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Groundfish Expanded Mortality Multiyear (GEMM): 2002–17

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
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List of Abbreviations

A-S	at-sea
A-SHOP	At-Sea Hake Observer Program
BT	bottom trawl
CP	catcher–processor
CS	catch share
DMR	discard mortality rate
DTL	daily trip limit
ECS	ecosystem component species
EM	electronic monitoring
FG	fixed gear
FMP	fishery management plan
gf.	groundfish
GMT	groundfish mortality team
H&L	hook and line
LE	limited entry
LST	longspine thornyhead
MSCV	mothership catcher vessel
MW	midwater
MWT	midwater trawl
N	north of latitude *x* (provided in cell)
ns.	nearshore
ngf.	nongroundfish
OA	open access
PacFIN	Pacific Fisheries Information Network
PHLB	Pacific halibut
POP	Pacific ocean perch
rf.	rockfish
RBPT	ridgeback prawn trawl
S	south of latitude *x* (provided in cell)
SCT	sea cucumber trawl
sh.	shelf
sl.	slope
SST	shortspine thornyhead
unid.	unidentified
WCGOP	West Coast Groundfish Observer Program

Groundfish Expanded Mortality Multiyear (GEMM)

This data product includes total estimated landings, discard, discard with discard mortality rates (DMRs) applied, catch (discard and landings), and mortality (discard with DMRs applied and landings) for all species and groupings recorded in A-SHOP, WCGOP, EM, and PacFIN data for the years 2002 to 2017. All units are metric tons (mt).

This does NOT include recreational mortality estimates, but includes research mortality estimates for 2005–17. However, management groupings have not been applied retroactively. Additionally, nongroundfish species are reported inconsistently across research projects, and should be interpreted with caution.

In addition to adding 2017 data, values from previous years were recalculated based on updated A-SHOP, WCGOP, EM, and PacFIN data and the most current procedures for estimation. The most current discard mortality rates approved and used by the GMT are applied to species discard estimates across all years, following methods used in the 2017 groundfish mortality report (i.e., if there is a discard mortality rate applied to estimates for that species/sector/gear in the 2017 GM report, then it will be applied to all years in this product).

These analyses are described in detail in the most recent groundfish mortality report (Somers et al. 2018), as well as methods described in earlier reports and available on the Northwest Fisheries Science Center Fisheries Observation Science web page.[1]

In 2017, the WCGOP first observed the Pacific halibut derby fishery and the California sea cucumber and ridgeback prawn fisheries. Previous versions of the GEMM incorporated those landings in the "Incidental Fisheries" sector and did not estimate discards. In this version, landings were estimated for each year (2002–17), **but discards were estimated only in 2017**.

We also include Pacific halibut commercial catch estimates from Jannot et al. 2018, but note that coefficients of variation are not currently reported for the LE bottom trawl fleet from 2002–10. For more information on the methods used to calculate these estimates, see Jannot et al. 2018.

A spreadsheet version is also available at www.nwfsc.noaa.gov/data/.

[1] https://www.nwfsc.noaa.gov/research/divisions/fram/observation/index.cfm

References

Jannot, J. E., K. Richerson, K. A. Somers, J. T. McVeigh, and N. B. Riley. 2018. Pacific halibut bycatch in the U.S. West Coast groundfish fisheries (2002–2017). NOAA Fisheries, NWFSC Observer Program, 2725 Montlake Boulevard East, Seattle, Washington 98112.

Somers, K. A., J. E. Jannot, K. Richerson, N. B. Riley, V. Tuttle, and J. T. McVeigh. 2018. Estimated discard and catch of groundfish species in the 2017 U.S. West Coast fisheries. NOAA Fisheries, NWFSC Observer Program, 2725 Montlake Boulevard East, Seattle, Washington 98112.

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	1.20	0.98	0.98	2.18	2.18
2002	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.52	1.08	1.08	1.60	1.60
2002	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.24	0.96	0.96	2.20	2.20
2002	A-S Hake CP	gf.	Dover sole	Dover sole	0.21	0.44	0.44	0.65	0.65
2002	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	English sole	English sole	0.04	0.06	0.06	0.10	0.10
2002	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.09	0.06	0.06	0.16	0.16
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.04	0.04	0.04	0.04
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.14	2.84	2.84	2.99	2.99
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.07	0.05	0.05	0.12	0.12
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	2.26	1.06	1.06	3.31	3.31
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.07	0.00	0.00	0.07	0.07
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.01	0.01	0.04	0.04
2002	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.53	3.26	3.26	3.78	3.78
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.15	0.19	0.19	0.34	0.34
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.05	0.07	0.07	0.12	0.12
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	9.25	1.88	1.88	11.13	11.13
2002	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.60	0.60	0.60	0.60
2002	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.11	0.11	0.11	0.11
2002	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.01	0.01
2002	A-S Hake CP	gf.	Other flatfish	Pacific sanddab	0.00	0.01	0.01	0.01	0.01
2002	A-S Hake CP	gf.	Other flatfish	Rex sole	2.93	8.47	8.47	11.40	11.40
2002	A-S Hake CP	gf.	Other gf.	Greenling, unid.	0.03	0.00	0.00	0.03	0.03
2002	A-S Hake CP	gf.	Pacific hake	Pacific hake	36332.91	125.01	125.01	36457.92	36457.92
2002	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.59	0.87	0.87	1.45	1.45
2002	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	18.62	2.14	2.14	20.76	20.76
2002	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.15	0.32	0.32	0.48	0.48
2002	A-S Hake CP	gf.	SST (N of 34°27')	SST	11.39	0.58	0.58	11.97	11.97
2002	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	0.71	35.29	35.29	36.00	36.00
2002	A-S Hake CP	gf.	Widow rf.	Widow rf.	49.24	66.16	66.16	115.40	115.40
2002	A-S Hake CP	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.02	0.02	0.02	0.02
2002	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	2.23	10.70	10.70	12.93	12.93
2002	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.04	0.09	0.09	0.13	0.13
2002	A-S Hake CP	ngf.	Other ngf.	American shad	0.06	0.11	0.11	0.17	0.17

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	A-S Hake CP	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Black eelpout	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.07	0.07	0.07	0.07
2002	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	0.00	0.16	0.16	0.16	0.16
2002	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2002	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	5.73	0.98	0.98	6.71	6.71
2002	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.01	0.57	0.57	0.58	0.58
2002	A-S Hake CP	ngf.	Other ngf.	King of the salmon	0.04	0.18	0.18	0.22	0.22
2002	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.01	0.01	0.01	0.01
2002	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.03	0.00	0.00	0.03	0.03
2002	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.08	0.08	0.09	0.09
2002	A-S Hake CP	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2002	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.02	0.02	0.02	0.02
2002	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	1.01	1.01	1.01	1.01
2002	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.31	0.31	0.31	0.31
2002	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.01	0.02	0.02	0.02	0.02
2002	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.02	0.01	0.01	0.03	0.03
2002	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2002	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.02	0.17	0.17	0.20	0.20
2002	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Ragfish	0.19	0.00	0.00	0.19	0.19
2002	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.29	0.00	0.00	0.29	0.29
2002	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.15	0.33	0.33	0.48	0.48
2002	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.05	0.00	0.00	0.05	0.05
2002	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	10.27	12.76	12.76	23.04	23.04
2002	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Sunstar starfish	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.41	0.00	0.00	0.41	0.41
2002	A-S Hake CP	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.02	0.00	0.00	0.02	0.02
2002	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.04	0.02	0.02	0.05	0.05

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	A-S Hake CP	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.42	0.39	0.39	0.82	0.82
2002	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.44	0.50	0.50	0.94	0.94
2002	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2002	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.04	0.07	0.07	0.11	0.11
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.11	0.11	0.15	0.15
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.77	1.16	1.16	1.93	1.93
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Dusky rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.01	0.01
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.09	0.09	0.09	0.17	0.17
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.08	0.03	0.03	0.11	0.11
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.17	0.22	0.22	0.39	0.39
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.02	0.02
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.05	0.05	0.07	0.07
2002	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.15	0.18	0.18	0.33	0.33
2002	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.02	0.16	0.16	0.18	0.18
2002	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	26502.92	208.52	208.52	26711.44	26711.44
2002	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	1.72	0.46	0.46	2.18	2.18
2002	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.15	0.23	0.23	0.38	0.38
2002	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.03	0.07	0.07	0.10	0.10
2002	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	0.48	0.70	0.70	1.18	1.18
2002	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	8.08	12.46	12.46	20.54	20.54
2002	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.40	1.02	1.02	1.42	1.42
2002	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.02	0.01	0.01	0.04	0.04
2002	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.05	0.11	0.11	0.16	0.16
2002	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.03	0.14	0.14	0.17	0.17
2002	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.06	0.07	0.07	0.13	0.13
2002	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.05	0.12	0.12	0.18	0.18
2002	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.01	0.00	0.00	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	A-S Hake MSCV	ngf.	Other ngf.	Longnose lancetfish	0.00	0.02	0.02	0.02	0.02
2002	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.05	0.05	0.05	0.05
2002	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.01	0.01
2002	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	ngf.	Other ngf.	Pacific sharpnose shark	0.00	0.03	0.03	0.03	0.03
2002	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.02	0.02	0.02	0.02
2002	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2002	A-S Hake MSCV	ngf.	Other ngf.	Skate, unid.	0.09	0.36	0.36	0.45	0.45
2002	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	5.74	6.01	6.01	11.75	11.75
2002	CS – BT	ngf.	Other ngf.	PHLB	0.00	524.41	344.82	524.41	344.82
2002	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	1340.01	0.00	0.00	1340.01	1340.01
2002	Incidental	gf.	Black rf. (CA)	Black rf.	0.83	0.00	0.00	0.83	0.83
2002	Incidental	gf.	Black rf. (OR)	Black rf.	0.81	0.00	0.00	0.81	0.81
2002	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.34	0.00	0.00	0.34	0.34
2002	Incidental	gf.	Cabezon (CA)	Cabezon	0.36	0.00	0.00	0.36	0.36
2002	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	3.12	0.00	0.00	3.12	3.12
2002	Incidental	gf.	Canary rf.	Canary rf.	4.65	0.00	0.00	4.65	4.65
2002	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.90	0.00	0.00	1.90	1.90
2002	Incidental	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.04	0.00	0.00	0.04	0.04
2002	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	1.17	0.00	0.00	1.17	1.17
2002	Incidental	gf.	Dover sole	Dover sole	107.06	0.00	0.00	107.06	107.06
2002	Incidental	gf.	ECS	Grenadier, unid.	2.71	0.00	0.00	2.71	2.71
2002	Incidental	gf.	ECS	Pacific grenadier	0.12	0.00	0.00	0.12	0.12
2002	Incidental	gf.	ECS	Sandpaper skate	0.48	0.00	0.00	0.48	0.48
2002	Incidental	gf.	ECS	Soupfin shark	30.76	0.00	0.00	30.76	30.76
2002	Incidental	gf.	ECS	Spotted ratfish	6.95	0.00	0.00	6.95	6.95
2002	Incidental	gf.	English sole	English sole	72.76	0.00	0.00	72.76	72.76
2002	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	26.16	0.00	0.00	26.16	26.16
2002	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	1.70	0.00	0.00	1.70	1.70
2002	Incidental	gf.	Longnose skate	Longnose skate	5.44	0.00	0.00	5.44	5.44
2002	Incidental	gf.	LST (N of 34°27')	LST	6.59	0.00	0.00	6.59	6.59
2002	Incidental	gf.	LST (S of 34°27')	LST	0.07	0.00	0.00	0.07	0.07
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.07	0.00	0.00	0.07	0.07
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	1.20	0.00	0.00	1.20	1.20
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.10	0.00	0.00	0.10	0.10
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.13	0.00	0.00	0.13	0.13
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.34	0.00	0.00	0.34	0.34
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.73	0.00	0.00	0.73	0.73
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.83	0.00	0.00	2.83	2.83
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	4.82	0.00	0.00	4.82	4.82
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.74	0.00	0.00	0.74	0.74
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.41	0.00	0.00	0.41	0.41
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.36	0.00	0.00	0.36	0.36
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.96	0.00	0.00	0.96	0.96
2002	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.05	0.00	0.00	0.05	0.05
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.20	0.00	0.00	0.20	0.20
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.17	0.00	0.00	0.17	0.17
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.12	0.00	0.00	0.12	0.12
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.39	0.00	0.00	0.39	0.39
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.04	0.00	0.00	0.04	0.04
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.03	0.00	0.00	0.03	0.03
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.16	0.00	0.00	0.16	0.16
2002	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.09	0.00	0.00	0.09	0.09
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.09	0.00	0.00	0.09	0.09
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.88	0.00	0.00	0.88	0.88

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.75	0.00	0.00	2.75	2.75
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.63	0.00	0.00	0.63	0.63
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.77	0.00	0.00	0.77	0.77
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.28	0.00	0.00	0.28	0.28
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.98	0.00	0.00	0.98	0.98
2002	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.09	0.00	0.00	0.09	0.09
2002	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	18.69	0.00	0.00	18.69	18.69
2002	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.55	0.00	0.00	1.55	1.55
2002	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.10	0.00	0.00	0.10	0.10
2002	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.34	0.00	0.00	0.34	0.34
2002	Incidental	gf.	Mixed thornyheads	SST/LST	1.22	0.00	0.00	1.22	1.22
2002	Incidental	gf.	Other flatfish	Curlfin sole	0.02	0.00	0.00	0.02	0.02
2002	Incidental	gf.	Other flatfish	Flatfish, unid.	8.99	0.00	0.00	8.99	8.99
2002	Incidental	gf.	Other flatfish	Flathead sole	7.17	0.00	0.00	7.17	7.17
2002	Incidental	gf.	Other flatfish	Pacific sanddab	4.12	0.00	0.00	4.12	4.12
2002	Incidental	gf.	Other flatfish	Rex sole	8.29	0.00	0.00	8.29	8.29
2002	Incidental	gf.	Other flatfish	Rock sole	2.08	0.00	0.00	2.08	2.08
2002	Incidental	gf.	Other flatfish	Sand sole	3.33	0.00	0.00	3.33	3.33
2002	Incidental	gf.	Other flatfish	Sanddab, unid.	68.25	0.00	0.00	68.25	68.25
2002	Incidental	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.03	0.00	0.00	0.03	0.03
2002	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2002	Incidental	gf.	Other gf.	Leopard shark	6.94	0.00	0.00	6.94	6.94
2002	Incidental	gf.	Other rf.	Rockfish, unid.	0.30	0.00	0.00	0.30	0.30
2002	Incidental	gf.	Pacific cod	Pacific cod	195.64	0.00	0.00	195.64	195.64
2002	Incidental	gf.	Pacific hake	Pacific hake	24.12	0.00	0.00	24.12	24.12
2002	Incidental	gf.	POP (N of 40°10')	POP	16.64	0.00	0.00	16.64	16.64
2002	Incidental	gf.	Petrale sole	Petrale sole	164.14	0.00	0.00	164.14	164.14
2002	Incidental	gf.	Sablefish (N of 36°)	Sablefish	126.22	0.00	0.00	126.22	126.22
2002	Incidental	gf.	Sablefish (S of 36°)	Sablefish	1.67	0.00	0.00	1.67	1.67
2002	Incidental	gf.	Shortbelly rf.	Shortbelly rf.	0.05	0.00	0.00	0.05	0.05
2002	Incidental	gf.	SST (N of 34°27')	SST	8.98	0.00	0.00	8.98	8.98
2002	Incidental	gf.	SST (S of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2002	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	177.67	0.00	0.00	177.67	177.67
2002	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.91	0.00	0.00	0.91	0.91
2002	Incidental	gf.	Starry flounder	Starry flounder	2.94	0.00	0.00	2.94	2.94
2002	Incidental	gf.	Widow rf.	Widow rf.	1.93	0.00	0.00	1.93	1.93
2002	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.22	0.00	0.00	0.22	0.22

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	67.14	0.00	0.00	67.14	67.14
2002	Incidental	ngf.	CA halibut	CA halibut	281.89	0.00	0.00	281.89	281.89
2002	Incidental	ngf.	Dungeness crab	Dungeness crab	14663.30	0.00	0.00	14663.30	14663.30
2002	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.06	0.00	0.00	0.06	0.06
2002	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.03	0.00	0.00	0.03	0.03
2002	Incidental	ngf.	Non-FMP flatfish	Slender sole	3.32	0.00	0.00	3.32	3.32
2002	Incidental	ngf.	Non-FMP flatfish	Speckled sanddab	0.03	0.00	0.00	0.03	0.03
2002	Incidental	ngf.	Other ngf.	Abalone, unid.	1.36	0.00	0.00	1.36	1.36
2002	Incidental	ngf.	Other ngf.	Albacore tuna	10001.39	0.00	0.00	10001.39	10001.39
2002	Incidental	ngf.	Other ngf.	American shad	25.97	0.00	0.00	25.97	25.97
2002	Incidental	ngf.	Other ngf.	Anemone, unid.	0.06	0.00	0.00	0.06	0.06
2002	Incidental	ngf.	Other ngf.	Armed box crab	0.29	0.00	0.00	0.29	0.29
2002	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	376.64	0.00	0.00	376.64	376.64
2002	Incidental	ngf.	Other ngf.	Basket cockle	47.44	0.00	0.00	47.44	47.44
2002	Incidental	ngf.	Other ngf.	Bat ray	0.07	0.00	0.00	0.07	0.07
2002	Incidental	ngf.	Other ngf.	Bigeye tuna	0.18	0.00	0.00	0.18	0.18
2002	Incidental	ngf.	Other ngf.	Bigfin eelpout	0.01	0.00	0.00	0.01	0.01
2002	Incidental	ngf.	Other ngf.	Bivalve, unid.	7.50	0.00	0.00	7.50	7.50
2002	Incidental	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Blue shark	0.05	0.00	0.00	0.05	0.05
2002	Incidental	ngf.	Other ngf.	Bluefin tuna	10.37	0.00	0.00	10.37	10.37
2002	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	80.71	0.00	0.00	80.71	80.71
2002	Incidental	ngf.	Other ngf.	Brown box crab	1.54	0.00	0.00	1.54	1.54
2002	Incidental	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Butter clam	15.55	0.00	0.00	15.55	15.55
2002	Incidental	ngf.	Other ngf.	CA barracuda	38.04	0.00	0.00	38.04	38.04
2002	Incidental	ngf.	Other ngf.	CA jackknife clam	0.03	0.00	0.00	0.03	0.03
2002	Incidental	ngf.	Other ngf.	CA mussel	0.09	0.00	0.00	0.09	0.09
2002	Incidental	ngf.	Other ngf.	CA sheephead	1.13	0.00	0.00	1.13	1.13
2002	Incidental	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	CA spiny lobster	317.36	0.00	0.00	317.36	317.36
2002	Incidental	ngf.	Other ngf.	Clam, unid.	1.94	0.00	0.00	1.94	1.94
2002	Incidental	ngf.	Other ngf.	Common thresher shark	300.59	0.00	0.00	300.59	300.59
2002	Incidental	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Crab, unid.	45.33	0.00	0.00	45.33	45.33
2002	Incidental	ngf.	Other ngf.	Croaker, unid.	0.07	0.00	0.00	0.07	0.07
2002	Incidental	ngf.	Other ngf.	Dorado	0.04	0.00	0.00	0.04	0.04
2002	Incidental	ngf.	Other ngf.	Echinoderm, unid.	2.48	0.00	0.00	2.48	2.48

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	ngf.	Other ngf.	Eel, unid.	0.50	0.00	0.00	0.50	0.50
2002	Incidental	ngf.	Other ngf.	Eelpout, unid.	0.12	0.00	0.00	0.12	0.12
2002	Incidental	ngf.	Other ngf.	Filetail cat shark	0.22	0.00	0.00	0.22	0.22
2002	Incidental	ngf.	Other ngf.	Fish, unid.	0.57	0.00	0.00	0.57	0.57
2002	Incidental	ngf.	Other ngf.	Gaper clam	6.49	0.00	0.00	6.49	6.49
2002	Incidental	ngf.	Other ngf.	Ghost shrimp	28.43	0.00	0.00	28.43	28.43
2002	Incidental	ngf.	Other ngf.	Giant sea bass	2.46	0.00	0.00	2.46	2.46
2002	Incidental	ngf.	Other ngf.	Hagfish, unid.	311.56	0.00	0.00	311.56	311.56
2002	Incidental	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Invertebrate, unid.	6.26	0.00	0.00	6.26	6.26
2002	Incidental	ngf.	Other ngf.	Jack mackerel	1016.92	0.00	0.00	1016.92	1016.92
2002	Incidental	ngf.	Other ngf.	Jellyfish, unid.	0.25	0.00	0.00	0.25	0.25
2002	Incidental	ngf.	Other ngf.	King crab, unid.	0.80	0.00	0.00	0.80	0.80
2002	Incidental	ngf.	Other ngf.	Mackerel, unid.	249.74	0.00	0.00	249.74	249.74
2002	Incidental	ngf.	Other ngf.	Market squid	72876.91	0.00	0.00	72876.91	72876.91
2002	Incidental	ngf.	Other ngf.	Mixed species	93.30	0.00	0.00	93.30	93.30
2002	Incidental	ngf.	Other ngf.	Mollusc, unid.	24.02	0.00	0.00	24.02	24.02
2002	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.04	0.00	0.00	0.04	0.04
2002	Incidental	ngf.	Other ngf.	Mud shrimp	4.23	0.00	0.00	4.23	4.23
2002	Incidental	ngf.	Other ngf.	Native littleneck clam	0.25	0.00	0.00	0.25	0.25
2002	Incidental	ngf.	Other ngf.	Northern anchovy	4881.66	0.00	0.00	4881.66	4881.66
2002	Incidental	ngf.	Other ngf.	Octopus, unid.	21.94	0.00	0.00	21.94	21.94
2002	Incidental	ngf.	Other ngf.	Pacific angel shark	20.63	0.00	0.00	20.63	20.63
2002	Incidental	ngf.	Other ngf.	Pacific bonito	33.17	0.00	0.00	33.17	33.17
2002	Incidental	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Pacific herring	3383.92	0.00	0.00	3383.92	3383.92
2002	Incidental	ngf.	Other ngf.	Pacific mackerel	3493.28	0.00	0.00	3493.28	3493.28
2002	Incidental	ngf.	Other ngf.	Pacific sardine	96896.83	0.00	0.00	96896.83	96896.83
2002	Incidental	ngf.	Other ngf.	Pacific tomcod	0.09	0.00	0.00	0.09	0.09
2002	Incidental	ngf.	Other ngf.	Pelagic thresher shark	2.13	0.00	0.00	2.13	2.13
2002	Incidental	ngf.	Other ngf.	Pink shrimp	0.80	0.00	0.00	0.80	0.80
2002	Incidental	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.03	0.00	0.00	0.03	0.03
2002	Incidental	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Queenfish	2.71	0.00	0.00	2.71	2.71
2002	Incidental	ngf.	Other ngf.	Ray, unid.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	ngf.	Other ngf.	Razor clam	94.84	0.00	0.00	94.84	94.84

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	ngf.	Other ngf.	Red rock crab	535.25	0.00	0.00	535.25	535.25
2002	Incidental	ngf.	Other ngf.	Red urchin	6788.27	0.00	0.00	6788.27	6788.27
2002	Incidental	ngf.	Other ngf.	Ridgeback prawn	1.95	0.00	0.00	1.95	1.95
2002	Incidental	ngf.	Other ngf.	Rosy razor clam	0.01	0.00	0.00	0.01	0.01
2002	Incidental	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Scallop, unid.	0.03	0.00	0.00	0.03	0.03
2002	Incidental	ngf.	Other ngf.	Sculpin, unid.	3.59	0.00	0.00	3.59	3.59
2002	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	300.34	0.00	0.00	300.34	300.34
2002	Incidental	ngf.	Other ngf.	Sea mouse, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Sea snail, unid.	0.01	0.00	0.00	0.01	0.01
2002	Incidental	ngf.	Other ngf.	Sea star, unid.	0.32	0.00	0.00	0.32	0.32
2002	Incidental	ngf.	Other ngf.	Shark, unid.	7.79	0.00	0.00	7.79	7.79
2002	Incidental	ngf.	Other ngf.	Shrimp, unid.	45.10	0.00	0.00	45.10	45.10
2002	Incidental	ngf.	Other ngf.	Skate, unid.	112.77	0.00	0.00	112.77	112.77
2002	Incidental	ngf.	Other ngf.	Skipjack tuna	10.69	0.00	0.00	10.69	10.69
2002	Incidental	ngf.	Other ngf.	Slickhead, unid.	0.10	0.00	0.00	0.10	0.10
2002	Incidental	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.05	0.00	0.00	0.05	0.05
2002	Incidental	ngf.	Other ngf.	Specklefin midshipman	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Spot prawn	226.93	0.00	0.00	226.93	226.93
2002	Incidental	ngf.	Other ngf.	Squid, unid.	3.53	0.00	0.00	3.53	3.53
2002	Incidental	ngf.	Other ngf.	Starry skate	0.07	0.00	0.00	0.07	0.07
2002	Incidental	ngf.	Other ngf.	Striped bass	0.01	0.00	0.00	0.01	0.01
2002	Incidental	ngf.	Other ngf.	Striped surfperch	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2002	Incidental	ngf.	Other ngf.	Sunstar starfish	0.07	0.00	0.00	0.07	0.07
2002	Incidental	ngf.	Other ngf.	Surfperch, unid.	29.92	0.00	0.00	29.92	29.92
2002	Incidental	ngf.	Other ngf.	Swordfish	400.71	0.00	0.00	400.71	400.71
2002	Incidental	ngf.	Other ngf.	Tuna, unid.	1.63	0.00	0.00	1.63	1.63
2002	Incidental	ngf.	Other ngf.	Urchin, unid.	4.51	0.00	0.00	4.51	4.51
2002	Incidental	ngf.	Other ngf.	Walleye pollock	4.05	0.00	0.00	4.05	4.05
2002	Incidental	ngf.	Other ngf.	White croaker	87.89	0.00	0.00	87.89	87.89
2002	Incidental	ngf.	Other ngf.	White sea bass	190.60	0.00	0.00	190.60	190.60
2002	Incidental	ngf.	Other ngf.	Wolf-eel	0.35	0.00	0.00	0.35	0.35
2002	Incidental	ngf.	Other ngf.	Yellowfin tuna	12.83	0.00	0.00	12.83	12.83
2002	Incidental	ngf.	Other ngf.	Yellowtail amberjack	34.23	0.00	0.00	34.23	34.23
2002	Incidental	ngf.	Shared ECS	Giant squid	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Incidental	ngf.	Shared ECS	Smelt, unid.	188.38	0.00	0.00	188.38	188.38
2002	Incidental	ngf.	Tanner crab	Tanner crab, unid.	0.40	0.00	0.00	0.40	0.40
2002	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	1.03	0.00	0.00	1.03	1.03
2002	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.28	0.00	0.00	0.28	0.28
2002	LE CA Halibut	gf.	Big skate	Big skate	0.00	0.93	0.47	0.93	0.47
2002	LE CA Halibut	gf.	Black rf. (CA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2002	LE CA Halibut	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.60	0.00	0.00	1.60	1.60
2002	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.03	0.00	0.00	0.03	0.03
2002	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	6.47	0.01	0.01	6.47	6.47
2002	LE CA Halibut	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.00	0.00	0.10	0.10
2002	LE CA Halibut	gf.	Dover sole	Dover sole	31.24	0.00	0.00	31.24	31.24
2002	LE CA Halibut	gf.	ECS	CA skate	0.00	1.34	1.34	1.34	1.34
2002	LE CA Halibut	gf.	ECS	Soupfin shark	0.41	0.00	0.00	0.41	0.41
2002	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	5.25	5.25	5.25	5.25
2002	LE CA Halibut	gf.	English sole	English sole	5.94	6.11	6.11	12.06	12.06
2002	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	1.37	1.17	0.59	2.55	1.96
2002	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	10.50	5.25	10.50	5.25
2002	LE CA Halibut	gf.	LST (N of 34°27')	LST	3.00	0.00	0.00	3.00	3.00
2002	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.05	0.08	0.08	0.12	0.12
2002	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2002	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.25	0.00	0.00	0.25	0.25
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2002	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.20	0.00	0.00	0.20	0.20
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.06	0.00	0.00	0.06	0.06
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	8.27	0.00	0.00	8.27	8.27
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.98	0.00	0.00	0.98	0.98
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2002	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE CA Halibut	gf.	Mixed thornyheads	SST/LST	0.18	0.00	0.00	0.18	0.18
2002	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	24.44	24.44	24.44	24.44
2002	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.88	0.23	0.23	1.11	1.11
2002	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	0.00	10.27	10.27	10.27	10.27
2002	LE CA Halibut	gf.	Other flatfish	Rex sole	3.65	0.03	0.03	3.69	3.69
2002	LE CA Halibut	gf.	Other flatfish	Rock sole	8.89	7.84	7.84	16.73	16.73
2002	LE CA Halibut	gf.	Other flatfish	Sand sole	24.11	1.15	1.15	25.26	25.26
2002	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	12.29	26.64	26.64	38.93	38.93
2002	LE CA Halibut	gf.	Other gf.	Leopard shark	0.35	0.68	0.68	1.03	1.03
2002	LE CA Halibut	gf.	Pacific cod	Pacific cod	0.00	0.33	0.33	0.33	0.33
2002	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.00	0.08	0.08	0.08	0.08
2002	LE CA Halibut	gf.	Petrale sole	Petrale sole	18.58	0.13	0.13	18.72	18.72
2002	LE CA Halibut	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	7.10	0.00	0.00	7.10	7.10
2002	LE CA Halibut	gf.	Sablefish (S of 36°)	Sablefish	1.40	0.00	0.00	1.40	1.40
2002	LE CA Halibut	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	gf.	SST (N of 34°27')	SST	2.13	0.00	0.00	2.13	2.13
2002	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.01	4.78	4.78	4.80	4.80
2002	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	2.27	0.00	0.00	2.27	2.27
2002	LE CA Halibut	gf.	Starry flounder	Starry flounder	15.89	0.21	0.21	16.10	16.10
2002	LE CA Halibut	gf.	Widow rf.	Widow rf.	0.25	0.00	0.00	0.25	0.25
2002	LE CA Halibut	ngf.	CA halibut	CA halibut	105.18	36.33	36.33	141.51	141.51
2002	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	181.45	181.45	181.45	181.45
2002	LE CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.03	0.05	0.05	0.07	0.07
2002	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	1.67	1.67	1.67	1.67
2002	LE CA Halibut	ngf.	Non-FMP flatfish	Spotted turbot	0.00	0.02	0.02	0.02	0.02
2002	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.72	0.72	0.72	0.72
2002	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.02	0.02	0.02	0.02
2002	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	1.93	1.93	1.93	1.93
2002	LE CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	23.99	23.99	23.99	23.99
2002	LE CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Common thresher shark	0.04	0.00	0.00	0.04	0.04
2002	LE CA Halibut	ngf.	Other ngf.	Crab, unid.	0.00	3.36	3.36	3.37	3.37
2002	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.00	0.04	0.04	0.04	0.04
2002	LE CA Halibut	ngf.	Other ngf.	Eelpout, unid.	0.00	0.14	0.14	0.14	0.14
2002	LE CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	2.35	2.35	2.35	2.35
2002	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.71	0.71	0.71	0.71

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	730.58	730.58	730.58	730.58
2002	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	1.14	1.14	1.14	1.14
2002	LE CA Halibut	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2002	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.02	0.02	0.02	0.02
2002	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.03	0.03	0.03	0.03
2002	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.43	0.02	0.02	0.45	0.45
2002	LE CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.34	0.00	0.00	0.34	0.34
2002	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.46	0.46	0.46	0.46
2002	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.10	1.10	1.10	1.10
2002	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.10	0.10	0.10	0.10
2002	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.04	0.04	0.04	0.04
2002	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.19	0.19	0.19	0.19
2002	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	1.30	1.30	1.30	1.30
2002	LE CA Halibut	ngf.	Other ngf.	Ray, unid.	0.00	1.08	1.08	1.08	1.08
2002	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	1.03	1.03	1.03	1.03
2002	LE CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.07	0.07	0.07	0.07
2002	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	8.46	8.46	8.46	8.46
2002	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.06	0.00	0.00	0.06	0.06
2002	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.17	0.17	0.17	0.17
2002	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	2.21	139.09	139.09	141.30	141.30
2002	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.03	0.03	0.03	0.03
2002	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.19	0.19	0.19	0.19
2002	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.04	0.04	0.04	0.04
2002	LE CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.03	0.03	0.03	0.03
2002	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.47	0.47	0.47	0.47
2002	LE CA Halibut	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE CA Halibut	ngf.	Other ngf.	White croaker	0.12	11.82	11.82	11.94	11.94
2002	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.49	0.09	0.09	0.58	0.58
2002	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.26	0.26	0.26	0.26
2002	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.22	0.00	0.00	0.22	0.22
2002	LE FG DTL – H&L	gf.	Big skate	Big skate	0.00	1.21	1.21	1.21	1.21
2002	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.19	0.00	0.00	0.19	0.19
2002	LE FG DTL – H&L	gf.	Canary rf.	Canary rf.	0.03	0.00	0.00	0.03	0.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.07	0.00	0.00	0.07	0.07
2002	LE FG DTL – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.02	0.00	0.00	0.02	0.02
2002	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.44	0.61	0.61	1.05	1.05
2002	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	4.94	4.94	4.94	4.94
2002	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	0.56	0.56	0.56	0.56
2002	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	47.82	0.00	0.00	47.82	47.82
2002	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.06	0.06	0.06	0.06
2002	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	1.35	1.35	1.35	1.35
2002	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.06	0.00	0.00	0.06	0.06
2002	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.14	0.14	0.14	0.14
2002	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.67	0.00	0.00	0.67	0.67
2002	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.07	0.00	0.00	0.07	0.07
2002	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	70.15	35.08	70.15	35.08
2002	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	1.76	0.00	0.00	1.76	1.76
2002	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	10.06	4.35	4.35	14.40	14.40
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.22	0.00	0.00	0.22	0.22
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.08	0.00	0.00	0.08	0.08
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.05	0.00	0.00	0.05	0.05
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.12	0.00	0.00	0.12	0.12
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.21	0.00	0.00	0.21	0.21
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.16	0.00	0.00	0.16	0.16
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.15	0.00	0.00	0.15	0.15
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.72	0.00	0.00	0.72	0.72
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.51	0.00	0.00	0.51	0.51
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.73	0.00	0.00	1.73	1.73
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.52	0.00	0.00	1.52	1.52
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.09	0.00	0.00	0.09	0.09
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.02	0.09	0.09	1.11	1.11
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.40	0.00	0.00	0.40	0.40
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	30.23	0.00	0.00	30.23	30.23
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.11	0.00	0.00	0.11	0.11
2002	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	2.15	0.00	0.00	2.15	2.15
2002	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	2.68	6.54	6.54	9.22	9.22
2002	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.07	0.00	0.00	0.07	0.07
2002	LE FG DTL – H&L	gf.	Other gf.	Leopard shark	0.07	0.00	0.00	0.07	0.07
2002	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.83	0.00	0.00	0.83	0.83
2002	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.06	0.00	0.00	0.06	0.06
2002	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.34	0.44	0.44	0.78	0.78
2002	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.11	0.00	0.00	0.11	0.11
2002	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	122.90	0.24	0.05	123.14	122.95
2002	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	109.22	4.84	0.97	114.06	110.19
2002	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	20.81	0.00	0.00	20.81	20.81
2002	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	75.14	67.81	67.81	142.95	142.95
2002	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	187.75	0.00	0.00	187.75	187.75
2002	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	1.12	0.00	0.00	1.12	1.12
2002	LE FG DTL – H&L	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.14	0.00	0.00	0.14	0.14
2002	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.07	0.00	0.00	0.07	0.07
2002	LE FG DTL – H&L	ngf.	Other ngf.	Albacore tuna	0.25	0.00	0.00	0.25	0.25
2002	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	3.73	3.73	3.73	3.73
2002	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.57	0.00	0.00	0.57	0.57
2002	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	11.50	11.50	11.50	11.50
2002	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.19	0.00	0.00	0.19	0.19
2002	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.16	0.16	0.16	0.16
2002	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.14	0.14	0.14	0.14
2002	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.40	0.40	0.40	0.40
2002	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2002	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.14	0.14	0.15	0.15
2002	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.81	0.00	0.00	0.81	0.81
2002	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.11	0.00	0.00	0.11	0.11
2002	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.11	0.11	0.11	0.11
2002	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	56.84	56.84	56.84	56.84

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	5.09	0.00	0.00	5.09	5.09
2002	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.11	0.00	0.00	0.11	0.11
2002	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.09	0.00	0.00	0.09	0.09
2002	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.04	0.00	0.00	0.04	0.04
2002	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.19	0.00	0.00	0.19	0.19
2002	LE FG DTL – H&L	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.11	0.00	0.00	0.11	0.11
2002	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2002	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2002	LE FG DTL – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2002	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	7.47	0.00	0.00	7.47	7.47
2002	LE FG DTL – Pot	gf.	Widow rf.	Widow rf.	0.02	0.00	0.00	0.02	0.02
2002	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.46	0.00	0.00	0.46	0.46
2002	LE FG DTL – Pot	ngf.	Other ngf.	Blue shark	0.09	0.00	0.00	0.09	0.09
2002	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.02	0.00	0.02	0.00
2002	LE FG DTL – Pot	ngf.	Other ngf.	Shrimp, unid.	0.04	0.00	0.00	0.04	0.04
2002	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	4.81	19.12	19.12	23.93	23.93
2002	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	0.05	0.05	0.05	0.05
2002	LE Sablefish – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	1.58	2.17	2.17	3.76	3.76
2002	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.23	0.08	0.08	0.31	0.31
2002	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.50	4.87	4.87	5.37	5.37
2002	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	gf.	ECS	CA skate	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	7.92	1.49	1.49	9.42	9.42
2002	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	0.13	0.13	0.13	0.13
2002	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2002	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	0.89	0.89	0.89	0.89
2002	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	3.22	1.41	0.10	4.63	3.32
2002	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.85	0.00	0.00	0.85	0.85
2002	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	10.14	5.07	10.14	5.07
2002	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.18	0.00	0.00	0.18	0.18
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	1.30	1.88	1.88	3.18	3.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.14	0.14	0.14	0.14
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.11	0.11	0.12	0.12
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.13	0.13	0.13	0.13
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.16	0.08	0.08	0.23	0.23
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	6.73	0.46	0.46	7.19	7.19
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	7.02	0.86	0.86	7.87	7.87
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	17.65	0.47	0.47	18.13	18.13
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.35	0.16	0.16	1.51	1.51
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.21	0.21	0.21	0.21
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	4.46	0.09	0.09	4.55	4.55
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.48	0.00	0.00	1.48	1.48
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	4.95	0.48	0.48	5.43	5.43
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.19	0.02	0.02	0.20	0.20
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.10	0.20	0.20	0.30	0.30
2002	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	4.79	4.79	4.79	4.79
2002	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.21	0.10	0.10	0.31	0.31
2002	LE Sablefish – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	0.40	0.04	0.04	0.44	0.44
2002	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.29	0.29	0.29	0.29
2002	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.22	0.00	0.00	0.22	0.22
2002	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.62	0.07	0.07	0.69	0.69
2002	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	791.81	172.32	34.46	964.14	826.28
2002	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	9.26	0.15	0.15	9.41	9.41
2002	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	215.92	222.79	111.39	438.71	327.32
2002	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.02	0.02
2002	LE Sablefish – H&L	gf.	Starry flounder	Starry flounder	0.18	0.00	0.00	0.18	0.18
2002	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.00	0.01	0.01	0.02	0.02
2002	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.02	1.88	1.88	1.91	1.91
2002	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.37	0.17	0.17	0.54	0.54

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.03	17.48	17.48	17.51	17.51
2002	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.62	0.62	0.62	0.62
2002	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.10	0.10	0.10	0.10
2002	LE Sablefish – H&L	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.08	0.08	0.08	0.08
2002	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.04	0.04	0.04	0.04
2002	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.11	0.11	0.11	0.11
2002	LE Sablefish – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2002	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.07	0.29	0.29	0.37	0.37
2002	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	35.03	137.73	22.04	172.76	57.07
2002	LE Sablefish – H&L	ngf.	Other ngf.	Pink urchin	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.18	0.18	0.18	0.18
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	7.93	7.93	7.93	7.93
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	8.29	24.67	24.67	32.96	32.96
2002	LE Sablefish – H&L	ngf.	Other ngf.	Spot prawn	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Sunstar starfish	0.00	0.28	0.28	0.28	0.28
2002	LE Sablefish – H&L	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – H&L	ngf.	Other ngf.	Wolf-eel	0.00	0.03	0.03	0.03	0.03
2002	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.31	0.27	0.27	0.58	0.58
2002	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.00	0.00	0.06	0.06
2002	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.73	0.89	0.89	1.61	1.61
2002	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.03	0.00	0.00	0.03	0.03
2002	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.65	0.00	0.00	0.65	0.65
2002	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2002	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.96	0.01	0.01	0.97	0.97
2002	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.48	0.01	0.01	0.49	0.49
2002	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.47	0.00	0.00	0.47	0.47
2002	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.16	0.00	0.00	0.16	0.16
2002	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	352.20	162.20	32.44	514.40	384.64
2002	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.19	0.01	0.01	0.21	0.21
2002	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.02	0.03	0.03	0.05	0.05
2002	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.07	0.07	0.07	0.07
2002	LE Sablefish – Pot	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Blue shark	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.15	0.15	0.15	0.15
2002	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.88	0.11	0.11	0.99	0.99
2002	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.58	0.58	0.58	0.58
2002	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.02	0.02	0.02	0.02
2002	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.13	0.19	0.19	0.33	0.33
2002	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	4.03	0.73	4.03	0.73
2002	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.29	0.00	0.00	0.29	0.29
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.08	0.08	0.08	0.08
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.08	0.08	0.08	0.08
2002	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.02	0.02
2002	LE Sablefish – Pot	ngf.	Other ngf.	Sunstar starfish	0.00	0.01	0.01	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Sablefish – Pot	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2002	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.51	0.03	0.03	0.54	0.54

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2002	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	840.93	1175.08	1175.08	2016.01	2016.01
2002	LE Trawl	gf.	Big skate	Big skate	0.00	41.05	20.52	41.05	20.52
2002	LE Trawl	gf.	Black rf. (CA)	Black rf.	1.76	0.00	0.00	1.76	1.76
2002	LE Trawl	gf.	Black rf. (OR)	Black rf.	1.18	0.00	0.00	1.18	1.18
2002	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.04	0.09	0.09	0.13	0.13
2002	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	14.19	31.31	31.31	45.50	45.50
2002	LE Trawl	gf.	Cabezon (CA)	Cabezon	0.04	0.00	0.00	0.04	0.04
2002	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.01	0.02	0.02	0.02	0.02
2002	LE Trawl	gf.	Canary rf.	Canary rf.	34.91	23.28	23.28	58.19	58.19
2002	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	113.29	108.84	108.84	222.13	222.13
2002	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	2.55	2.55	2.55	2.55
2002	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	105.13	81.65	81.65	186.78	186.78
2002	LE Trawl	gf.	Dover sole	Dover sole	6110.30	1026.40	1026.40	7136.70	7136.70
2002	LE Trawl	gf.	ECS	Black skate	0.00	17.73	17.73	17.73	17.73
2002	LE Trawl	gf.	ECS	CA skate	0.00	6.83	6.83	6.83	6.83
2002	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.87	0.87	0.87	0.87
2002	LE Trawl	gf.	ECS	Giant grenadier	0.00	425.84	425.84	425.84	425.84
2002	LE Trawl	gf.	ECS	Grenadier, unid.	176.45	371.98	371.98	548.43	548.43
2002	LE Trawl	gf.	ECS	Pacific flatnose	0.00	14.53	14.53	14.53	14.53
2002	LE Trawl	gf.	ECS	Pacific grenadier	0.00	170.97	170.97	170.97	170.97
2002	LE Trawl	gf.	ECS	Popeye grenadier	0.00	4.74	4.74	4.74	4.74
2002	LE Trawl	gf.	ECS	Sandpaper skate	0.00	31.92	31.92	31.92	31.92
2002	LE Trawl	gf.	ECS	Soupfin shark	0.33	0.00	0.00	0.33	0.33
2002	LE Trawl	gf.	ECS	Spotted ratfish	1.57	420.07	420.07	421.64	421.64
2002	LE Trawl	gf.	ECS	White skate	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	gf.	English sole	English sole	1060.60	447.45	447.45	1508.06	1508.06
2002	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	78.06	200.77	100.38	278.82	178.44
2002	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	13.89	24.30	12.15	38.19	26.04
2002	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	191.06	95.53	191.06	95.53
2002	LE Trawl	gf.	LST (N of 34°27')	LST	1862.60	283.20	283.20	2145.81	2145.81
2002	LE Trawl	gf.	LST (S of 34°27')	LST	0.29	0.01	0.01	0.30	0.30
2002	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.60	0.00	0.00	0.60	0.60
2002	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.22	0.10	0.10	0.32	0.32
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.11	0.00	0.00	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.65	0.00	0.00	0.65	0.65
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2002	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.03	0.00	0.00	0.03	0.03
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	3.63	4.40	4.40	8.03	8.03
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	8.45	11.34	11.34	19.79	19.79
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.09	0.02	0.02	0.11	0.11
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.11	0.00	0.00	0.11	0.11
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.45	0.07	0.07	0.52	0.52
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	8.67	48.21	48.21	56.88	56.88
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.09	0.09	0.09	0.09
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.62	3.35	3.35	4.97	4.97
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.67	5.20	5.20	5.87	5.87
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.50	0.50	0.50	0.50
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	3.10	14.00	14.00	17.10	17.10
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.73	1.73	1.73	3.46	3.46
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.89	3.30	3.30	4.19	4.19
2002	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Chameleon rf.	0.00	2.32	2.32	2.32	2.32
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.06	0.18	0.18	0.23	0.23
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	2.96	2.16	2.16	5.12	5.12
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.65	5.77	5.77	6.42	6.42
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	3.88	0.05	0.05	3.93	3.93
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.03	0.03	0.03	0.03
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.03	0.01	0.01	0.04	0.04
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.03	0.02	0.02	0.05	0.05
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.03	0.03	0.03	0.03
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.25	0.36	0.36	0.61	0.61
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	2.87	0.13	0.13	3.00	3.00
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.41	105.46	105.46	105.88	105.88
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.00	0.02	0.02	0.02	0.02
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.31	0.31	0.31	0.31
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.11	0.00	0.00	0.11	0.11
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.20	43.10	43.10	43.30	43.30
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.31	0.31	0.31	0.31
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.14	0.00	0.00	0.14	0.14

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.67	0.01	0.01	1.68	1.68
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	3.90	3.65	3.65	7.55	7.55
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.07	0.07	0.08	0.08
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.17	4.30	4.30	5.46	5.46
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	6.11	5.29	5.29	11.41	11.41
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	1.26	1.26	1.26	1.26
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	27.92	14.11	14.11	42.03	42.03
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	4.38	22.33	22.33	26.71	26.71
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	6.33	8.74	8.74	15.07	15.07
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.06	0.06	0.06	0.06
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	13.40	4.55	4.55	17.95	17.95
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	6.86	80.64	80.64	87.50	87.50
2002	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.04	4.87	4.87	6.91	6.91
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	34.70	11.74	11.74	46.44	46.44
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	244.74	1.78	1.78	246.52	246.52
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	61.93	9.38	9.38	71.31	71.31
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	0.01	0.11	0.11	0.11	0.11
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.23	0.23	0.23	1.46	1.46
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.28	0.06	0.06	0.34	0.34
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.26	6.67	6.67	6.93	6.93
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.07	0.58	0.58	0.65	0.65
2002	LE Trawl	gf.	Mixed thornyheads	SST/LST	51.80	428.65	428.65	480.46	480.46
2002	LE Trawl	gf.	Other flatfish	Butter sole	0.63	14.01	14.01	14.63	14.63
2002	LE Trawl	gf.	Other flatfish	Curlfin sole	3.88	6.06	6.06	9.93	9.93
2002	LE Trawl	gf.	Other flatfish	Flatfish, unid.	11.14	24.39	24.39	35.53	35.53
2002	LE Trawl	gf.	Other flatfish	Flathead sole	4.53	99.21	99.21	103.75	103.75
2002	LE Trawl	gf.	Other flatfish	Pacific sanddab	226.99	647.62	647.62	874.62	874.62
2002	LE Trawl	gf.	Other flatfish	Rex sole	582.88	234.26	234.26	817.14	817.14
2002	LE Trawl	gf.	Other flatfish	Rock sole	13.43	3.39	3.39	16.82	16.82
2002	LE Trawl	gf.	Other flatfish	Sand sole	151.61	6.96	6.96	158.57	158.57
2002	LE Trawl	gf.	Other flatfish	Sanddab, unid.	512.51	114.46	114.46	626.97	626.97
2002	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.15	0.15	0.15	0.15
2002	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.12	0.12	0.12	0.12
2002	LE Trawl	gf.	Other gf.	Leopard shark	0.03	0.00	0.00	0.03	0.03
2002	LE Trawl	gf.	Other rf.	Rockfish, unid.	1.42	0.00	0.00	1.42	1.42
2002	LE Trawl	gf.	Pacific cod	Pacific cod	500.45	64.87	64.87	565.32	565.32
2002	LE Trawl	gf.	Pacific hake	Pacific hake	28.71	1897.54	1897.54	1926.25	1926.25

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	gf.	POP (N of 40°10')	POP	129.77	23.52	23.52	153.29	153.29
2002	LE Trawl	gf.	Petrale sole	Petrale sole	1600.11	151.98	151.98	1752.09	1752.09
2002	LE Trawl	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	1334.22	2032.50	1016.25	3366.73	2350.48
2002	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	47.29	21.58	10.79	68.87	58.08
2002	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.01	56.13	56.13	56.14	56.14
2002	LE Trawl	gf.	SST (N of 34°27')	SST	637.85	181.61	181.61	819.45	819.45
2002	LE Trawl	gf.	SST (S of 34°27')	SST	0.19	0.01	0.01	0.19	0.19
2002	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	303.25	755.32	755.32	1058.57	1058.57
2002	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	49.32	73.28	73.28	122.61	122.61
2002	LE Trawl	gf.	Starry flounder	Starry flounder	28.51	32.57	32.57	61.07	61.07
2002	LE Trawl	gf.	Widow rf.	Widow rf.	15.23	2.45	2.45	17.68	17.68
2002	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.75	1.06	1.06	1.81	1.81
2002	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	230.94	35.43	35.43	266.37	266.37
2002	LE Trawl	ngf.	CA halibut	CA halibut	7.14	0.18	0.18	7.32	7.32
2002	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.00	895.05	895.05	895.05	895.05
2002	LE Trawl	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.19	0.19	0.19	0.19
2002	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	0.00	134.37	134.37	134.37	134.37
2002	LE Trawl	ngf.	Non-FMP flatfish	Fantail sole	0.22	0.00	0.00	0.22	0.22
2002	LE Trawl	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.04	0.04	0.04	0.04
2002	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.03	0.03	0.03	0.03
2002	LE Trawl	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.04	0.04	0.04	0.04
2002	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.00	110.54	110.54	110.54	110.54
2002	LE Trawl	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Non-FMP flatfish	Spotted turbot	0.00	0.24	0.24	0.24	0.24
2002	LE Trawl	ngf.	Other ngf.	American shad	1.56	65.18	65.18	66.74	66.74
2002	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	162.67	162.67	162.67	162.67
2002	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	1.18	1.18	1.18	1.18
2002	LE Trawl	ngf.	Other ngf.	Atka mackerel	0.00	0.11	0.11	0.11	0.11
2002	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.54	0.54	0.54	0.54
2002	LE Trawl	ngf.	Other ngf.	Bait shrimp, unid.	1.00	0.00	0.00	1.00	1.00
2002	LE Trawl	ngf.	Other ngf.	Basket starfish	0.00	0.41	0.41	0.41	0.41
2002	LE Trawl	ngf.	Other ngf.	Bat ray	0.00	0.09	0.09	0.09	0.09
2002	LE Trawl	ngf.	Other ngf.	Bearded eelpout	0.00	0.02	0.02	0.02	0.02
2002	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	4.51	4.51	4.51	4.51
2002	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.22	0.22	0.22	0.22
2002	LE Trawl	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	ngf.	Other ngf.	Blacktail snailfish	0.00	4.71	4.71	4.71	4.71
2002	LE Trawl	ngf.	Other ngf.	Blue shark	0.01	0.04	0.04	0.06	0.06
2002	LE Trawl	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.01	0.00	0.00	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	1.06	1.06	1.06	1.06
2002	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	15.93	15.93	15.93	15.93
2002	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	62.66	62.66	62.66	62.66
2002	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.70	0.70	0.70	0.70
2002	LE Trawl	ngf.	Other ngf.	Buffalo sculpin	0.00	0.17	0.17	0.17	0.17
2002	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.51	0.51	0.51	0.51
2002	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	31.52	31.52	31.52	31.52
2002	LE Trawl	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.06	0.06	0.06	0.06
2002	LE Trawl	ngf.	Other ngf.	Chiton, unid.	0.00	0.37	0.37	0.37	0.37
2002	LE Trawl	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	8.47	8.47	8.47	8.47
2002	LE Trawl	ngf.	Other ngf.	Coonstripe shrimp	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	21.94	21.94	21.94	21.94
2002	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	21.84	21.84	21.85	21.85
2002	LE Trawl	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.70	0.70	0.70	0.70
2002	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.06	0.06	0.06	0.06
2002	LE Trawl	ngf.	Other ngf.	Diamond stingray	0.00	0.25	0.25	0.25	0.25
2002	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	34.56	34.56	34.56	34.56
2002	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	9.23	9.23	9.23	9.23
2002	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	0.76	0.76	0.76	0.76
2002	LE Trawl	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.37	0.37	0.37	0.37
2002	LE Trawl	ngf.	Other ngf.	Gunnel, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.26	0.01	0.01	0.27	0.27
2002	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.33	0.33	0.33	0.33
2002	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.13	0.13	0.13	0.13
2002	LE Trawl	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	1.26	1.26	1.26	1.26
2002	LE Trawl	ngf.	Other ngf.	Humpback shrimp	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Hundred fathom mora	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	106.42	106.42	106.42	106.42
2002	LE Trawl	ngf.	Other ngf.	Isopod, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	66.19	66.19	66.19	66.19
2002	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.02	0.28	0.28	0.30	0.30
2002	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02
2002	LE Trawl	ngf.	Other ngf.	Leech, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Lithoid crab	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.07	0.07	0.07	0.07
2002	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.13	0.13	0.13	0.13
2002	LE Trawl	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.20	0.20	0.20	0.20
2002	LE Trawl	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.54	0.54	0.54	0.54
2002	LE Trawl	ngf.	Other ngf.	Market squid	1.90	0.00	0.00	1.90	1.90
2002	LE Trawl	ngf.	Other ngf.	Mixed species	0.74	0.00	0.00	0.74	0.74
2002	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.24	0.24	0.24	0.24
2002	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.03	0.03	0.03	0.03
2002	LE Trawl	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.32	0.32	0.32	0.32
2002	LE Trawl	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	1.58	1.58	1.58	1.58
2002	LE Trawl	ngf.	Other ngf.	Octopus, unid.	30.78	30.63	30.63	61.42	61.42
2002	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Pacific angel shark	0.17	0.00	0.00	0.17	0.17
2002	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	2.40	2.40	2.40	2.40
2002	LE Trawl	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	3.01	3.01	3.01	3.01
2002	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.28	0.28	0.28	0.28
2002	LE Trawl	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Pacific sandfish	0.00	0.03	0.03	0.03	0.03
2002	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.48	0.48	0.48	0.48
2002	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	2.02	2.02	2.02	2.02
2002	LE Trawl	ngf.	Other ngf.	Pacific spiny lumpsucker	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	6.35	6.35	6.35	6.35
2002	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	7.11	7.11	7.11	7.11
2002	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Pallid eelpout	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Paperbone, unid.	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Pink shrimp	16.91	0.03	0.03	16.94	16.94
2002	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.06	0.06	0.06	0.06
2002	LE Trawl	ngf.	Other ngf.	Pink urchin	0.00	1.70	1.70	1.70	1.70
2002	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	17.39	17.39	17.39	17.39
2002	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.15	0.15	0.15	0.15
2002	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.02	0.02	0.02	0.02
2002	LE Trawl	ngf.	Other ngf.	Prowfish	0.00	0.49	0.49	0.49	0.49
2002	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.47	0.47	0.47	0.47
2002	LE Trawl	ngf.	Other ngf.	Ray, unid.	0.00	1.50	1.50	1.50	1.50

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Red rock crab	0.49	0.18	0.18	0.67	0.67
2002	LE Trawl	ngf.	Other ngf.	Red urchin	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.02	0.02	0.02	0.02
2002	LE Trawl	ngf.	Other ngf.	Ridgeback prawn	4.14	0.00	0.00	4.14	4.14
2002	LE Trawl	ngf.	Other ngf.	Roughback sculpin	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.28	0.28	0.28	0.28
2002	LE Trawl	ngf.	Other ngf.	Scallop, unid.	0.00	0.37	0.37	0.37	0.37
2002	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.64	0.64	0.64	0.64
2002	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.11	10.21	10.21	10.32	10.32
2002	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.33	6.95	6.95	7.28	7.28
2002	LE Trawl	ngf.	Other ngf.	Sea mouse, unid.	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	4.64	4.64	4.64	4.64
2002	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.04	0.04	0.04	0.04
2002	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	129.72	129.72	129.72	129.72
2002	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.38	0.38	0.38	0.38
2002	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.33	67.13	67.13	67.46	67.46
2002	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Showy snailfish	0.00	0.08	0.08	0.08	0.08
2002	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.28	0.28	0.28	0.28
2002	LE Trawl	ngf.	Other ngf.	Sidestripe shrimp	0.00	0.07	0.07	0.07	0.07
2002	LE Trawl	ngf.	Other ngf.	Silver surfperch	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.47	0.47	0.47	0.47
2002	LE Trawl	ngf.	Other ngf.	Skate, unid.	653.00	1256.31	1256.31	1909.30	1909.30
2002	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	57.69	57.69	57.69	57.69
2002	LE Trawl	ngf.	Other ngf.	Slim sculpin	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	5.03	5.03	5.03	5.03
2002	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	1.07	1.07	1.07	1.07
2002	LE Trawl	ngf.	Other ngf.	Specklefin midshipman	0.00	0.05	0.05	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	3.50	3.50	3.50	3.50
2002	LE Trawl	ngf.	Other ngf.	Spot prawn	3.55	0.26	0.26	3.80	3.80
2002	LE Trawl	ngf.	Other ngf.	Squid, unid.	0.23	17.99	17.99	18.22	18.22
2002	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	1.30	1.30	1.30	1.30
2002	LE Trawl	ngf.	Other ngf.	Sunstar starfish	0.00	18.69	18.69	18.69	18.69
2002	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.23	0.13	0.13	0.36	0.36
2002	LE Trawl	ngf.	Other ngf.	Thornback	0.00	0.07	0.07	0.07	0.07
2002	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.17	0.17	0.17	0.17
2002	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	1.17	1.17	1.17	1.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.06	0.06	0.06	0.06
2002	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	1.78	1.78	1.78	1.78
2002	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	22.26	22.26	22.26	22.26
2002	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	32.27	32.27	32.27	32.27
2002	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Other ngf.	Walleye pollock	1.15	13.33	13.33	14.49	14.49
2002	LE Trawl	ngf.	Other ngf.	Warty poacher	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	White croaker	2.45	0.44	0.44	2.90	2.90
2002	LE Trawl	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2002	LE Trawl	ngf.	Other ngf.	White sturgeon	0.02	0.00	0.00	0.02	0.02
2002	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2002	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.77	0.94	0.94	1.71	1.71
2002	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.92	0.92	0.92	0.92
2002	LE Trawl	ngf.	Shared ECS	Giant squid	0.00	3.70	3.70	3.70	3.70
2002	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2002	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	1.21	1.21	1.21	1.21
2002	LE Trawl	ngf.	Shared ECS	Surf smelt	0.00	0.22	0.22	0.22	0.22
2002	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	32.21	32.21	32.21	32.21
2002	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	1.02	234.79	234.79	235.80	235.80
2002	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	460.29	460.29	460.29	460.29
2002	Nearshore	gf.	Black rf. (CA)	Black rf.	91.89	0.00	0.00	91.89	91.89
2002	Nearshore	gf.	Black rf. (OR)	Black rf.	124.50	0.00	0.00	124.50	124.50
2002	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.94	0.00	0.00	0.94	0.94
2002	Nearshore	gf.	Cabezon (CA)	Cabezon	50.03	0.00	0.00	50.03	50.03
2002	Nearshore	gf.	Cabezon (OR)	Cabezon	45.80	0.00	0.00	45.80	45.80
2002	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	10.10	0.00	0.00	10.10	10.10
2002	Nearshore	gf.	Canary rf.	Canary rf.	0.08	0.00	0.00	0.08	0.08
2002	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.44	0.00	0.00	0.44	0.44
2002	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2002	Nearshore	gf.	Dover sole	Dover sole	0.03	0.00	0.00	0.03	0.03
2002	Nearshore	gf.	ECS	Grenadier, unid.	0.21	0.00	0.00	0.21	0.21
2002	Nearshore	gf.	ECS	Soupfin shark	0.42	0.00	0.00	0.42	0.42
2002	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	40.70	0.00	0.00	40.70	40.70
2002	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	21.95	0.00	0.00	21.95	21.95
2002	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	gf.	LST (S of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.07	0.00	0.00	0.07	0.07
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	12.56	0.00	0.00	12.56	12.56
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	1.99	0.00	0.00	1.99	1.99

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	22.23	0.00	0.00	22.23	22.23
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	7.44	0.00	0.00	7.44	7.44
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.28	0.00	0.00	0.28	0.28
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	1.93	0.00	0.00	1.93	1.93
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	1.34	0.00	0.00	1.34	1.34
2002	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	4.69	0.00	0.00	4.69	4.69
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	8.77	0.00	0.00	8.77	8.77
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	6.90	0.00	0.00	6.90	6.90
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	21.63	0.00	0.00	21.63	21.63
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	2.75	0.00	0.00	2.75	2.75
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	6.07	0.00	0.00	6.07	6.07
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	32.01	0.00	0.00	32.01	32.01
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	16.56	0.00	0.00	16.56	16.56
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	1.14	0.00	0.00	1.14	1.14
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	7.30	0.00	0.00	7.30	7.30
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.84	0.00	0.00	0.84	0.84
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.62	0.00	0.00	0.62	0.62
2002	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.25	0.00	0.00	1.25	1.25
2002	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.85	0.00	0.00	0.85	0.85
2002	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.08	0.00	0.00	0.08	0.08
2002	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	4.85	0.00	0.00	4.85	4.85
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.17	0.00	0.00	0.17	0.17
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.14	0.00	0.00	0.14	0.14
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.30	0.00	0.00	0.30	0.30
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.08	0.00	0.00	0.08	0.08
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.04	0.00	0.00	0.04	0.04
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.08	0.00	0.00	0.08	0.08
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.04	0.00	0.00	0.04	0.04
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.40	0.00	0.00	1.40	1.40
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.07	0.00	0.00	0.07	0.07
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	5.93	0.00	0.00	5.93	5.93
2002	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.18	0.00	0.00	0.18	0.18
2002	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.42	0.00	0.00	1.42	1.42
2002	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.11	0.00	0.00	0.11	0.11
2002	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.14	0.00	0.00	0.14	0.14
2002	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	4.38	0.00	0.00	4.38	4.38
2002	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.22	0.00	0.00	0.22	0.22
2002	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.54	0.00	0.00	0.54	0.54
2002	Nearshore	gf.	Mixed thornyheads	SST/LST	0.13	0.00	0.00	0.13	0.13
2002	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.08	0.00	0.00	0.08	0.08
2002	Nearshore	gf.	Other flatfish	Rock sole	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	gf.	Other flatfish	Sand sole	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.09	0.00	0.00	0.09	0.09
2002	Nearshore	gf.	Other gf.	Kelp greenling (CA)	8.10	0.00	0.00	8.10	8.10
2002	Nearshore	gf.	Other gf.	Kelp greenling (OR)	53.48	0.00	0.00	53.48	53.48
2002	Nearshore	gf.	Other gf.	Leopard shark	0.23	0.00	0.00	0.23	0.23
2002	Nearshore	gf.	Other rf.	Rockfish, unid.	0.96	0.00	0.00	0.96	0.96
2002	Nearshore	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	14.77	0.00	0.00	14.77	14.77
2002	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	2.06	0.00	0.00	2.06	2.06
2002	Nearshore	gf.	SST (N of 34°27')	SST	0.20	0.00	0.00	0.20	0.20
2002	Nearshore	gf.	SST (S of 34°27')	SST	0.36	0.00	0.00	0.36	0.36
2002	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.19	0.00	0.00	0.19	0.19
2002	Nearshore	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	gf.	Widow rf.	Widow rf.	0.14	0.00	0.00	0.14	0.14
2002	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.03	0.00	0.00	0.03	0.03
2002	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.57	0.00	0.00	1.57	1.57
2002	Nearshore	ngf.	CA halibut	CA halibut	1.97	0.00	0.00	1.97	1.97
2002	Nearshore	ngf.	Dungeness crab	Dungeness crab	24.19	0.00	0.00	24.19	24.19
2002	Nearshore	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	ngf.	Other ngf.	Albacore tuna	0.76	0.00	0.00	0.76	0.76
2002	Nearshore	ngf.	Other ngf.	Bass, unid.	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.12	0.00	0.00	0.12	0.12
2002	Nearshore	ngf.	Other ngf.	CA barracuda	0.50	0.00	0.00	0.50	0.50
2002	Nearshore	ngf.	Other ngf.	CA sheephead	54.07	0.00	0.00	54.07	54.07
2002	Nearshore	ngf.	Other ngf.	CA spiny lobster	0.91	0.00	0.00	0.91	0.91
2002	Nearshore	ngf.	Other ngf.	Crab, unid.	0.57	0.00	0.00	0.57	0.57
2002	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	ngf.	Other ngf.	Echinoderm, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Nearshore	ngf.	Other ngf.	Eel, unid.	0.03	0.00	0.00	0.03	0.03
2002	Nearshore	ngf.	Other ngf.	Giant sea bass	0.03	0.00	0.00	0.03	0.03
2002	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.83	0.00	0.00	0.83	0.83
2002	Nearshore	ngf.	Other ngf.	Jack mackerel	0.07	0.00	0.00	0.07	0.07
2002	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.05	0.00	0.00	0.05	0.05
2002	Nearshore	ngf.	Other ngf.	Market squid	0.05	0.00	0.00	0.05	0.05
2002	Nearshore	ngf.	Other ngf.	Mixed species	2.22	0.00	0.00	2.22	2.22
2002	Nearshore	ngf.	Other ngf.	Mollusc, unid.	0.42	0.00	0.00	0.42	0.42
2002	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2002	Nearshore	ngf.	Other ngf.	Octopus, unid.	1.18	0.00	0.00	1.18	1.18
2002	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2002	Nearshore	ngf.	Other ngf.	Red rock crab	12.97	0.00	0.00	12.97	12.97
2002	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.02	0.00	0.00	0.02	0.02
2002	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.12	0.00	0.00	0.12	0.12
2002	Nearshore	ngf.	Other ngf.	Shark, unid.	0.15	0.00	0.00	0.15	0.15
2002	Nearshore	ngf.	Other ngf.	Shrimp, unid.	1.47	0.00	0.00	1.47	1.47
2002	Nearshore	ngf.	Other ngf.	Skate, unid.	0.04	0.00	0.00	0.04	0.04
2002	Nearshore	ngf.	Other ngf.	Spot prawn	2.56	0.00	0.00	2.56	2.56
2002	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.98	0.00	0.00	0.98	0.98
2002	Nearshore	ngf.	Other ngf.	White croaker	1.14	0.00	0.00	1.14	1.14
2002	Nearshore	ngf.	Other ngf.	White sea bass	2.67	0.00	0.00	2.67	2.67
2002	Nearshore	ngf.	Other ngf.	Wolf-eel	0.29	0.00	0.00	0.29	0.29
2002	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.04	0.00	0.00	0.04	0.04
2002	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.05	0.00	0.00	0.05	0.05
2002	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2002	OA CA Halibut	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	English sole	English sole	0.07	0.00	0.00	0.07	0.07
2002	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2002	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2002	OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.77	0.00	0.00	0.77	0.77
2002	OA CA Halibut	gf.	Other flatfish	Rock sole	0.03	0.00	0.00	0.03	0.03
2002	OA CA Halibut	gf.	Other flatfish	Sand sole	1.38	0.00	0.00	1.38	1.38

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.17	0.00	0.00	0.17	0.17
2002	OA CA Halibut	gf.	Other gf.	Leopard shark	0.03	0.00	0.00	0.03	0.03
2002	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.08	0.00	0.00	0.08	0.08
2002	OA CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2002	OA CA Halibut	gf.	Starry flounder	Starry flounder	0.72	0.00	0.00	0.72	0.72
2002	OA CA Halibut	ngf.	CA halibut	CA halibut	35.92	0.00	0.00	35.92	35.92
2002	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.25	0.00	0.00	0.25	0.25
2002	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.05	0.00	0.00	0.05	0.05
2002	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.32	0.00	0.00	0.32	0.32
2002	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.76	0.00	0.00	0.76	0.76
2002	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.14	0.00	0.00	0.14	0.14
2002	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.00	0.00	0.00	0.00	0.00
2002	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.07	0.00	0.00	0.07	0.07
2002	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	1.68	0.00	0.00	1.68	1.68
2002	OA CA Halibut	ngf.	Other ngf.	White croaker	0.17	0.00	0.00	0.17	0.17
2002	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.07	0.00	0.00	0.07	0.07
2002	OA CA Halibut	ngf.	Other ngf.	Yellowtail amberjack	0.06	0.00	0.00	0.06	0.06
2002	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.21	0.00	0.00	0.21	0.21
2002	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.97	0.00	0.00	1.97	1.97
2002	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.11	0.00	0.00	0.11	0.11
2002	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.91	0.00	0.00	2.91	2.91
2002	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2002	OA FG – H&L	gf.	Dover sole	Dover sole	0.23	0.00	0.00	0.23	0.23
2002	OA FG – H&L	gf.	ECS	Grenadier, unid.	36.60	0.00	0.00	36.60	36.60
2002	OA FG – H&L	gf.	ECS	Soupfin shark	0.39	0.00	0.00	0.39	0.39
2002	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	7.31	0.00	0.00	7.31	7.31
2002	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	4.29	0.00	0.00	4.29	4.29
2002	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.12	0.00	0.00	0.12	0.12
2002	OA FG – H&L	gf.	LST (S of 34°27')	LST	2.06	0.00	0.00	2.06	2.06
2002	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.15	0.00	0.00	0.15	0.15
2002	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2002	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2002	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.09	0.00	0.00	0.09	0.09
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.07	0.00	0.00	0.07	0.07
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.24	0.00	0.00	0.24	0.24
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.31	0.00	0.00	0.31	0.31
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.02	0.00	0.00	0.02	0.02
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.06	0.00	0.00	0.06	0.06
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.18	0.00	0.00	0.18	0.18
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.90	0.00	0.00	0.90	0.90
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.85	0.00	0.00	1.85	1.85
2002	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.31	0.00	0.00	0.31	0.31
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.44	0.00	0.00	0.44	0.44
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.29	0.00	0.00	0.29	0.29
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.48	0.00	0.00	0.48	0.48
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.17	0.00	0.00	0.17	0.17
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.45	0.00	0.00	0.45	0.45
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	36.79	0.00	0.00	36.79	36.79
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.31	0.00	0.00	0.31	0.31
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.12	0.00	0.00	0.12	0.12
2002	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.41	0.00	0.00	0.41	0.41
2002	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.20	0.00	0.00	0.20	0.20
2002	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.09	0.00	0.00	0.09	0.09
2002	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.03	0.00	0.00	0.03	0.03
2002	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	6.13	0.00	0.00	6.13	6.13
2002	OA FG – H&L	gf.	Other gf.	Leopard shark	5.71	0.00	0.00	5.71	5.71
2002	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.37	0.00	0.00	0.37	0.37
2002	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.31	0.00	0.00	0.31	0.31
2002	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2002	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.08	0.00	0.00	0.08	0.08
2002	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	249.42	0.00	0.00	249.42	249.42
2002	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	16.97	0.00	0.00	16.97	16.97
2002	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.58	0.00	0.00	0.58	0.58
2002	OA FG – H&L	gf.	SST (S of 34°27')	SST	1.78	0.00	0.00	1.78	1.78

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	4.21	0.00	0.00	4.21	4.21
2002	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.62	0.00	0.00	0.62	0.62
2002	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.25	0.00	0.00	0.25	0.25
2002	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.54	0.00	0.00	0.54	0.54
2002	OA FG – H&L	ngf.	CA halibut	CA halibut	0.51	0.00	0.00	0.51	0.51
2002	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.19	0.00	0.00	0.19	0.19
2002	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.17	0.00	0.00	0.17	0.17
2002	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.19	0.00	0.00	0.19	0.19
2002	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.65	0.00	0.00	0.65	0.65
2002	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.17	0.00	0.00	0.17	0.17
2002	OA FG – H&L	ngf.	Other ngf.	PHLB	0.38	35.41	0.00	35.79	0.38
2002	OA FG – H&L	ngf.	Other ngf.	Red rock crab	0.17	0.00	0.00	0.17	0.17
2002	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.03	0.00	0.00	0.03	0.03
2002	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.47	0.00	0.00	0.47	0.47
2002	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	0.15	0.00	0.00	0.15	0.15
2002	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.05	0.00	0.00	0.05	0.05
2002	OA FG – H&L	ngf.	Other ngf.	White croaker	0.12	0.00	0.00	0.12	0.12
2002	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.07	0.00	0.00	0.07	0.07
2002	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.01	0.00	0.00	0.01	0.01
2002	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.17	0.00	0.00	0.17	0.17
2002	OA FG – Pot	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2002	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.01	0.00	0.00	0.01	0.01
2002	OA FG – Pot	gf.	ECS	Soupfin shark	0.11	0.00	0.00	0.11	0.11
2002	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.46	0.00	0.00	0.46	0.46
2002	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2002	OA FG – Pot	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2002	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2002	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2002	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2002	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.28	0.00	0.00	0.28	0.28
2002	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.18	0.00	0.00	0.18	0.18
2002	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2002	OA FG – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2002	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2002	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	98.85	0.00	0.00	98.85	98.85

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	10.84	0.00	0.00	10.84	10.84
2002	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2002	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2002	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2002	OA FG – Pot	ngf.	CA halibut	CA halibut	0.05	0.00	0.00	0.05	0.05
2002	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	5.74	0.00	0.00	5.74	5.74
2002	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.98	0.00	0.00	0.98	0.98
2002	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.03	0.00	0.00	0.03	0.03
2002	OA FG – Pot	ngf.	Other ngf.	Giant sea bass	0.01	0.00	0.00	0.01	0.01
2002	OA FG – Pot	ngf.	Other ngf.	Market squid	0.09	0.00	0.00	0.09	0.09
2002	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.05	0.00	0.00	0.05	0.05
2002	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.41	0.00	0.00	0.41	0.41
2002	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.23	0.00	0.23	0.00
2002	OA FG – Pot	ngf.	Other ngf.	Red rock crab	5.04	0.00	0.00	5.04	5.04
2002	OA FG – Pot	ngf.	Other ngf.	Spot prawn	5.46	0.00	0.00	5.46	5.46
2002	OA FG – Pot	ngf.	Shared ECS	Smelt, unid.	0.05	0.00	0.00	0.05	0.05
2002	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.29	0.00	0.00	0.29	0.29
2002	PHLB Derby	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2002	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.18	0.00	0.00	1.18	1.18
2002	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05
2002	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.29	0.00	0.00	0.29	0.29
2002	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.28	0.00	0.00	0.28	0.28
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.10	0.00	0.00	0.10	0.10
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.26	0.00	0.00	0.26	0.26
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2002	PHLB Derby	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	13.88	0.00	0.00	13.88	13.88
2002	PHLB Derby	gf.	SST (N of 34°27')	SST	0.29	0.00	0.00	0.29	0.29
2002	PHLB Derby	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2002	PHLB Derby	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2002	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.24	0.00	0.00	0.24	0.24
2002	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.69	0.00	0.00	0.69	0.69

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Pink Shrimp	gf.	Canary rf.	Canary rf.	1.21	0.00	0.00	1.21	1.21
2002	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2002	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.59	0.00	0.00	0.59	0.59
2002	Pink Shrimp	gf.	Dover sole	Dover sole	10.14	0.00	0.00	10.14	10.14
2002	Pink Shrimp	gf.	ECS	Soupfin shark	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	gf.	English sole	English sole	1.13	0.00	0.00	1.13	1.13
2002	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	6.23	0.00	0.00	6.23	6.23
2002	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2002	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2002	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.25	0.00	0.00	0.25	0.25
2002	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.24	0.00	0.00	0.24	0.24
2002	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04
2002	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2002	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.05	0.00	0.00	0.05	0.05
2002	Pink Shrimp	gf.	Other flatfish	Rex sole	1.20	0.00	0.00	1.20	1.20
2002	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.08	0.00	0.00	0.08	0.08
2002	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2002	Pink Shrimp	gf.	Petrale sole	Petrale sole	1.59	0.00	0.00	1.59	1.59
2002	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	13.32	0.00	0.00	13.32	13.32
2002	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2002	Pink Shrimp	gf.	Starry flounder	Starry flounder	0.10	0.00	0.00	0.10	0.10
2002	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.17	0.00	0.00	0.17	0.17
2002	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	25.35	0.00	0.00	25.35	25.35
2002	Pink Shrimp	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.94	0.00	0.00	0.94	0.94
2002	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.01	0.00	0.00	0.01	0.01
2002	Pink Shrimp	ngf.	Other shrimp	Spot prawn	0.04	0.00	0.00	0.04	0.04
2002	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	25280.88	0.00	0.00	25280.88	25280.88
2002	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	34.13	0.00	0.00	34.13	34.13
2002	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2002	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.29	0.00	0.00	0.29	0.29
2002	RBPT	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2002	RBPT	gf.	English sole	English sole	0.44	0.00	0.00	0.44	0.44
2002	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2002	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2002	RBPT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.07	0.00	0.00	0.07	0.07
2002	RBPT	gf.	Other flatfish	Flatfish, unid.	2.34	0.00	0.00	2.34	2.34
2002	RBPT	gf.	Other flatfish	Rex sole	0.17	0.00	0.00	0.17	0.17
2002	RBPT	gf.	Other flatfish	Sanddab, unid.	0.26	0.00	0.00	0.26	0.26
2002	RBPT	gf.	Other gf.	Leopard shark	0.00	0.00	0.00	0.00	0.00
2002	RBPT	gf.	Other rf.	Rockfish, unid.	0.11	0.00	0.00	0.11	0.11
2002	RBPT	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2002	RBPT	ngf.	CA halibut	CA halibut	1.36	0.00	0.00	1.36	1.36
2002	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.07	0.00	0.00	0.07	0.07
2002	RBPT	ngf.	Other ngf.	Crab, unid.	0.09	0.00	0.00	0.09	0.09
2002	RBPT	ngf.	Other ngf.	King crab, unid.	0.16	0.00	0.00	0.16	0.16
2002	RBPT	ngf.	Other ngf.	Market squid	0.47	0.00	0.00	0.47	0.47
2002	RBPT	ngf.	Other ngf.	Mixed species	2.31	0.00	0.00	2.31	2.31
2002	RBPT	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2002	RBPT	ngf.	Other ngf.	Pacific angel shark	0.03	0.00	0.00	0.03	0.03
2002	RBPT	ngf.	Other ngf.	Pink shrimp	0.13	0.00	0.00	0.13	0.13
2002	RBPT	ngf.	Other ngf.	Red rock crab	0.15	0.00	0.00	0.15	0.15
2002	RBPT	ngf.	Other ngf.	Ridgeback prawn	209.72	0.00	0.00	209.72	209.72
2002	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.51	0.00	0.00	0.51	0.51
2002	RBPT	ngf.	Other ngf.	Shark, unid.	0.06	0.00	0.00	0.06	0.06
2002	RBPT	ngf.	Other ngf.	Spot prawn	1.14	0.00	0.00	1.14	1.14
2002	RBPT	ngf.	Other ngf.	White croaker	3.00	0.00	0.00	3.00	3.00
2002	RBPT	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2002	SCT	gf.	ECS	Soupfin shark	0.01	0.00	0.00	0.01	0.01
2002	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2002	SCT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2002	SCT	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2002	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2002	SCT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2002	SCT	gf.	Other flatfish	Flatfish, unid.	0.06	0.00	0.00	0.06	0.06
2002	SCT	ngf.	CA halibut	CA halibut	0.44	0.00	0.00	0.44	0.44
2002	SCT	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2002	SCT	ngf.	Other ngf.	Crab, unid.	0.05	0.00	0.00	0.05	0.05
2002	SCT	ngf.	Other ngf.	Market squid	0.04	0.00	0.00	0.04	0.04
2002	SCT	ngf.	Other ngf.	Mixed species	0.03	0.00	0.00	0.03	0.03
2002	SCT	ngf.	Other ngf.	Red rock crab	0.06	0.00	0.00	0.06	0.06
2002	SCT	ngf.	Other ngf.	Ridgeback prawn	0.33	0.00	0.00	0.33	0.33
2002	SCT	ngf.	Other ngf.	Sea cucumber, unid.	128.16	0.00	0.00	128.16	128.16
2002	SCT	ngf.	Other ngf.	White croaker	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.47	0.00	0.00	0.47	0.47
2002	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.74	0.00	0.00	0.74	0.74
2002	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.32	0.00	0.00	2.32	2.32
2002	Shoreside Hake	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	31.51	0.00	0.00	31.51	31.51
2002	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.25	0.00	0.00	0.25	0.25
2002	Shoreside Hake	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2002	Shoreside Hake	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2002	Shoreside Hake	gf.	English sole	English sole	0.55	0.00	0.00	0.55	0.55
2002	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.00	0.00	0.30	0.30
2002	Shoreside Hake	gf.	Lingcod (S of 40°10')	Lingcod	0.47	0.00	0.00	0.47	0.47
2002	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.29	0.00	0.00	0.29	0.29
2002	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	1.44	0.00	0.00	1.44	1.44
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.54	0.00	0.00	0.54	0.54
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	1.02	0.00	0.00	1.02	1.02
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	2.15	0.00	0.00	2.15	2.15
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.41	0.00	0.00	0.41	0.41
2002	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2002	Shoreside Hake	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.01	0.00	0.00	0.01	0.01
2002	Shoreside Hake	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.04	0.00	0.00	0.04	0.04
2002	Shoreside Hake	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.05	0.00	0.00	0.05	0.05
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.40	0.00	0.00	0.40	0.40
2002	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2002	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	22.65	0.00	0.00	22.65	22.65
2002	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.04	0.00	0.00	0.04	0.04
2002	Shoreside Hake	gf.	Other flatfish	Rex sole	0.06	0.00	0.00	0.06	0.06
2002	Shoreside Hake	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	gf.	Other flatfish	Sand sole	0.06	0.00	0.00	0.06	0.06
2002	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.27	0.00	0.00	0.27	0.27
2002	Shoreside Hake	gf.	Other rf.	Rockfish, unid.	0.09	0.00	0.00	0.09	0.09
2002	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.40	0.00	0.00	0.40	0.40
2002	Shoreside Hake	gf.	Pacific hake	Pacific hake	45679.05	0.00	0.00	45679.05	45679.05
2002	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.24	0.00	0.00	0.24	0.24
2002	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.44	0.00	0.00	0.44	0.44
2002	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	132.92	0.00	0.00	132.92	132.92
2002	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.07	0.00	0.00	0.07	0.07
2002	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.44	0.00	0.00	0.44	0.44
2002	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	29.50	0.00	0.00	29.50	29.50
2002	Shoreside Hake	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	3.73	0.00	0.00	3.73	3.73
2002	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.20	0.00	0.00	0.20	0.20
2002	Shoreside Hake	gf.	Widow rf.	Widow rf.	242.48	0.00	0.00	242.48	242.48
2002	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	439.15	0.00	0.00	439.15	439.15
2002	Shoreside Hake	ngf.	CA halibut	CA halibut	0.12	0.00	0.00	0.12	0.12
2002	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	ngf.	Other ngf.	American shad	4.54	0.00	0.00	4.54	4.54
2002	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.19	0.00	0.00	0.19	0.19
2002	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	7.11	0.00	0.00	7.11	7.11
2002	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.27	0.00	0.00	0.27	0.27
2002	Shoreside Hake	ngf.	Other ngf.	Market squid	0.13	0.00	0.00	0.13	0.13
2002	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2002	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.39	0.00	0.00	0.39	0.39
2002	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2002	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2002	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	0.15	0.00	0.00	0.15	0.15
2002	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.93	0.00	0.00	0.93	0.93
2002	Shoreside Hake	ngf.	Other ngf.	Spot prawn	0.31	0.00	0.00	0.31	0.31
2002	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	0.04	0.00	0.00	0.04	0.04
2002	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	3717.16	0.00	0.00	3717.16	3717.16
2002	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	3.48	3.48	3.48	3.48
2002	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	2.83	0.00	0.00	2.83	2.83
2002	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.07	0.00	0.00	0.07	0.07
2002	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.23	0.23	0.23	0.23
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.27	0.15	0.15	0.42	0.42

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.65	0.00	0.00	1.65	1.65
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.01	0.01	0.03	0.03
2002	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.01	0.04	0.04	0.04	0.04
2002	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	21628.96	0.00	0.00	21628.96	21628.96
2002	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.21	0.00	0.00	0.21	0.21
2002	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.45	0.45	0.46	0.46
2002	Tribal A-S Hake	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.29	261.87	261.87	262.16	262.16
2002	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	18.93	0.07	0.07	19.01	19.01
2002	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	174.80	0.86	0.86	175.67	175.67
2002	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.03	9.70	9.70	9.73	9.73
2002	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	0.88	0.88	0.88	0.88
2002	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.08	0.08	0.08	0.08
2002	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	0.32	0.32	0.32	0.32
2002	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.02	0.02	0.02	0.02
2002	Tribal A-S Hake	ngf.	Other ngf.	Skate, unid.	0.00	0.33	0.33	0.33	0.33
2002	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.02	0.19	0.19	0.21	0.21
2002	Tribal A-S Hake	ngf.	Other ngf.	Urchin/sand dollar, unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	847.82	0.00	0.00	847.82	847.82
2002	Tribal A-S Hake	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	3.24	0.00	0.00	3.24	3.24
2002	Tribal Shoreside	gf.	Canary rf.	Canary rf.	3.21	0.00	0.00	3.21	3.21
2002	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	1.44	0.00	0.00	1.44	1.44
2002	Tribal Shoreside	gf.	Dover sole	Dover sole	16.07	0.00	0.00	16.07	16.07
2002	Tribal Shoreside	gf.	English sole	English sole	40.23	0.00	0.00	40.23	40.23
2002	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	11.27	0.00	0.00	11.27	11.27
2002	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2002	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.04	0.00	0.00	0.04	0.04
2002	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.11	0.00	0.00	2.11	2.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2002	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	4.60	0.00	0.00	4.60	4.60
2002	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.65	0.00	0.00	1.65	1.65
2002	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	2.36	0.00	0.00	2.36	2.36
2002	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.00	0.00	0.04	0.04
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.28	0.00	0.00	0.28	0.28
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.58	0.00	0.00	5.58	5.58
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	6.93	0.00	0.00	6.93	6.93
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.34	0.00	0.00	0.34	0.34
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.04	0.00	0.00	1.04	1.04
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.67	0.00	0.00	0.67	0.67
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2002	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2002	Tribal Shoreside	gf.	Other flatfish	Butter sole	0.27	0.00	0.00	0.27	0.27
2002	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	3.81	0.00	0.00	3.81	3.81
2002	Tribal Shoreside	gf.	Other flatfish	Rex sole	3.01	0.00	0.00	3.01	3.01
2002	Tribal Shoreside	gf.	Other flatfish	Rock sole	2.65	0.00	0.00	2.65	2.65
2002	Tribal Shoreside	gf.	Other flatfish	Sand sole	1.25	0.00	0.00	1.25	1.25
2002	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	8.92	0.00	0.00	8.92	8.92
2002	Tribal Shoreside	gf.	Pacific cod	Pacific cod	58.30	0.00	0.00	58.30	58.30
2002	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.25	0.00	0.00	0.25	0.25
2002	Tribal Shoreside	gf.	Petrale sole	Petrale sole	20.63	0.00	0.00	20.63	20.63
2002	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	436.60	0.00	0.00	436.60	436.60
2002	Tribal Shoreside	gf.	SST (N of 34°27')	SST	4.76	0.00	0.00	4.76	4.76
2002	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	1.18	0.00	0.00	1.18	1.18
2002	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.14	0.00	0.00	0.14	0.14
2002	Tribal Shoreside	gf.	Widow rf.	Widow rf.	12.69	0.00	0.00	12.69	12.69
2002	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	2.23	0.00	0.00	2.23	2.23
2002	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	259.91	0.00	0.00	259.91	259.91
2002	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	818.47	0.00	0.00	818.47	818.47
2002	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	9.83	0.00	0.00	9.83	9.83
2002	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	3.39	0.00	0.00	3.39	3.39
2002	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	8.45	0.00	0.00	8.45	8.45
2002	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	0.03	0.00	0.00	0.03	0.03
2003	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	2.37	0.49	0.49	2.86	2.86
2003	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.14	0.04	0.04	0.18	0.18
2003	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	2.93	1.32	1.32	4.25	4.25
2003	A-S Hake CP	gf.	Dover sole	Dover sole	0.70	0.16	0.16	0.86	0.86
2003	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	A-S Hake CP	gf.	ECS	Spotted ratfish	0.02	0.00	0.00	0.02	0.02
2003	A-S Hake CP	gf.	English sole	English sole	0.00	0.00	0.00	0.01	0.01
2003	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.40	0.00	0.00	0.40	0.40
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.06	0.00	0.00	0.06	0.06
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.09	0.02	0.02	0.11	0.11
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.61	0.44	0.44	1.05	1.05
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.01	0.03	0.03	0.04	0.04
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	4.91	0.18	0.18	5.09	5.09
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2003	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	1.36	0.56	0.56	1.92	1.92
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.04	0.04
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.79	0.21	0.21	2.00	2.00
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	2.08	0.31	0.31	2.39	2.39
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.08	0.08	0.10	0.10
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	8.84	2.87	2.87	11.71	11.71
2003	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.03	0.01	0.01	0.04	0.04
2003	A-S Hake CP	gf.	Other flatfish	Rex sole	4.68	1.93	1.93	6.60	6.60
2003	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.25	0.00	0.00	0.25	0.25
2003	A-S Hake CP	gf.	Pacific hake	Pacific hake	41468.56	123.09	123.09	41591.65	41591.65
2003	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.75	4.34	4.34	5.09	5.09
2003	A-S Hake CP	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.03	0.03	0.03	0.03
2003	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	15.61	1.19	1.19	16.81	16.81
2003	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.44	0.05	0.05	0.49	0.49
2003	A-S Hake CP	gf.	SST (N of 34°27')	SST	14.31	1.34	1.34	15.65	15.65
2003	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	1.25	8.96	8.96	10.21	10.21
2003	A-S Hake CP	gf.	Widow rf.	Widow rf.	10.05	1.62	1.62	11.67	11.67
2003	A-S Hake CP	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.75	0.02	0.02	1.76	1.76
2003	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.06	0.06	0.06	0.12	0.12
2003	A-S Hake CP	ngf.	Other ngf.	American shad	1.79	0.31	0.31	2.10	2.10
2003	A-S Hake CP	ngf.	Other ngf.	Atka mackerel	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.08	0.29	0.29	0.37	0.37
2003	A-S Hake CP	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	0.06	0.77	0.77	0.83	0.83
2003	A-S Hake CP	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.01	0.00	0.00	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	10.11	2.32	2.32	12.43	12.43
2003	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.47	0.24	0.24	0.71	0.71
2003	A-S Hake CP	ngf.	Other ngf.	King of the salmon	0.04	0.38	0.38	0.43	0.43
2003	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.01	0.01	0.01	0.02	0.02
2003	A-S Hake CP	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	2.62	2.62	2.62	2.62
2003	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.00	0.09	0.09	0.09	0.09
2003	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.09	0.26	0.26	0.35	0.35
2003	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.01	0.00	0.00	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Ragfish	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.13	0.38	0.38	0.51	0.51
2003	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	15.36	80.82	80.82	96.19	96.19
2003	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.05	0.00	0.00	0.05	0.05
2003	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.02	0.02	0.02	0.02
2003	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.02	0.02	0.02	0.02
2003	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.02	0.07	0.07	0.08	0.08
2003	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.07	0.07	0.10	0.10
2003	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.00	0.12	0.12	0.12	0.12
2003	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.08	0.08	0.09	0.09

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.37	0.71	0.71	1.07	1.07
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Dusky rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2003	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.05	0.11	0.11	0.16	0.16
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.09	0.09	0.09	0.09
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.08	0.21	0.21	0.29	0.29
2003	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.01	0.15	0.15	0.16	0.16
2003	A-S Hake MSCV	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	25332.92	264.88	264.88	25597.79	25597.79
2003	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.01	0.09	0.09	0.10	0.10
2003	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.06	0.24	0.24	0.30	0.30
2003	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.02	0.02	0.02	0.02
2003	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.10	0.05	0.05	0.15	0.15
2003	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.98	0.98	1.01	1.01
2003	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	0.26	0.43	0.43	0.69	0.69
2003	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.57	0.57	0.58	0.58
2003	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.02	0.02	0.02	0.02
2003	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.00	0.03	0.03	0.03	0.03
2003	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.09	0.09	0.09	0.09
2003	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.00	0.04	0.04	0.04	0.04
2003	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.01	0.05	0.05	0.06	0.06
2003	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.23	0.23	0.23	0.23
2003	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	ngf.	Other ngf.	Longnose lancetfish	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2003	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.04	0.04	0.04	0.04
2003	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.30	0.30	0.30	0.30
2003	A-S Hake MSCV	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2003	A-S Hake MSCV	ngf.	Other ngf.	Skate, unid.	0.00	0.54	0.54	0.54	0.54
2003	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	0.70	5.08	5.08	5.77	5.77
2003	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2003	CS – BT	ngf.	Other ngf.	PHLB	0.00	186.65	124.43	186.65	124.43
2003	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	1399.41	0.00	0.00	1399.41	1399.41
2003	Incidental	gf.	Big skate	Big skate	3.79	0.00	0.00	3.79	3.79
2003	Incidental	gf.	Black rf. (CA)	Black rf.	0.07	0.00	0.00	0.07	0.07
2003	Incidental	gf.	Black rf. (OR)	Black rf.	0.47	0.00	0.00	0.47	0.47
2003	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2003	Incidental	gf.	Cabezon (CA)	Cabezon	0.14	0.00	0.00	0.14	0.14
2003	Incidental	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	3.08	0.00	0.00	3.08	3.08
2003	Incidental	gf.	Canary rf.	Canary rf.	3.09	0.00	0.00	3.09	3.09
2003	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.53	0.00	0.00	0.53	0.53
2003	Incidental	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	4.03	0.00	0.00	4.03	4.03
2003	Incidental	gf.	Dover sole	Dover sole	415.32	0.00	0.00	415.32	415.32
2003	Incidental	gf.	ECS	Black skate	0.05	0.00	0.00	0.05	0.05
2003	Incidental	gf.	ECS	CA skate	0.67	0.00	0.00	0.67	0.67
2003	Incidental	gf.	ECS	Giant grenadier	1.92	0.00	0.00	1.92	1.92
2003	Incidental	gf.	ECS	Grenadier, unid.	6.35	0.00	0.00	6.35	6.35
2003	Incidental	gf.	ECS	Pacific flatnose	0.19	0.00	0.00	0.19	0.19
2003	Incidental	gf.	ECS	Pacific grenadier	0.11	0.00	0.00	0.11	0.11
2003	Incidental	gf.	ECS	Sandpaper skate	4.47	0.00	0.00	4.47	4.47
2003	Incidental	gf.	ECS	Soupfin shark	34.22	0.00	0.00	34.22	34.22
2003	Incidental	gf.	ECS	Spotted ratfish	51.31	0.00	0.00	51.31	51.31
2003	Incidental	gf.	English sole	English sole	226.19	0.00	0.00	226.19	226.19
2003	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	48.54	0.00	0.00	48.54	48.54
2003	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	3.40	0.00	0.00	3.40	3.40
2003	Incidental	gf.	Longnose skate	Longnose skate	34.58	0.00	0.00	34.58	34.58
2003	Incidental	gf.	LST (N of 34°27')	LST	9.92	0.00	0.00	9.92	9.92
2003	Incidental	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.03	0.00	0.00	0.03	0.03
2003	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.17	0.00	0.00	0.17	0.17
2003	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.44	0.00	0.00	0.44	0.44
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.18	0.00	0.00	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.05	0.00	0.00	0.05	0.05
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.06	0.00	0.00	0.06	0.06
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.08	0.00	0.00	0.08	0.08
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.13	0.00	0.00	0.13	0.13
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	5.90	0.00	0.00	5.90	5.90
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.27	0.00	0.00	0.27	0.27
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.08	0.00	0.00	0.08	0.08
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	3.83	0.00	0.00	3.83	3.83
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.17	0.00	0.00	0.17	0.17
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.15	0.00	0.00	0.15	0.15
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	2.00	0.00	0.00	2.00	2.00
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.39	0.00	0.00	1.39	1.39
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.09	0.00	0.00	0.09	0.09
2003	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.31	0.00	0.00	0.31	0.31
2003	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.15	0.00	0.00	0.15	0.15
2003	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.54	0.00	0.00	0.54	0.54
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.05	0.00	0.00	0.05	0.05
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.24	0.00	0.00	0.24	0.24
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.95	0.00	0.00	1.95	1.95
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.66	0.00	0.00	5.66	5.66
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.34	0.00	0.00	0.34	0.34
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.51	0.00	0.00	1.51	1.51
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.45	0.00	0.00	0.45	0.45
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.19	0.00	0.00	1.19	1.19
2003	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	14.84	0.00	0.00	14.84	14.84
2003	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	9.91	0.00	0.00	9.91	9.91
2003	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2003	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	2.05	0.00	0.00	2.05	2.05
2003	Incidental	gf.	Mixed thornyheads	SST/LST	4.73	0.00	0.00	4.73	4.73

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	gf.	Other flatfish	Butter sole	3.06	0.00	0.00	3.06	3.06
2003	Incidental	gf.	Other flatfish	Curlfin sole	1.42	0.00	0.00	1.42	1.42
2003	Incidental	gf.	Other flatfish	Flatfish, unid.	21.66	0.00	0.00	21.66	21.66
2003	Incidental	gf.	Other flatfish	Flathead sole	6.87	0.00	0.00	6.87	6.87
2003	Incidental	gf.	Other flatfish	Pacific sanddab	117.03	0.00	0.00	117.03	117.03
2003	Incidental	gf.	Other flatfish	Rex sole	50.73	0.00	0.00	50.73	50.73
2003	Incidental	gf.	Other flatfish	Rock sole	3.57	0.00	0.00	3.57	3.57
2003	Incidental	gf.	Other flatfish	Sand sole	28.39	0.00	0.00	28.39	28.39
2003	Incidental	gf.	Other flatfish	Sanddab, unid.	15.16	0.00	0.00	15.16	15.16
2003	Incidental	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.02	0.00	0.00	0.02	0.02
2003	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2003	Incidental	gf.	Other gf.	Leopard shark	5.96	0.00	0.00	5.96	5.96
2003	Incidental	gf.	Other rf.	Rockfish, unid.	1.02	0.00	0.00	1.02	1.02
2003	Incidental	gf.	Pacific cod	Pacific cod	309.35	0.00	0.00	309.35	309.35
2003	Incidental	gf.	Pacific hake	Pacific hake	54.15	0.00	0.00	54.15	54.15
2003	Incidental	gf.	POP (N of 40°10')	POP	13.45	0.00	0.00	13.45	13.45
2003	Incidental	gf.	Petrale sole	Petrale sole	301.72	0.00	0.00	301.72	301.72
2003	Incidental	gf.	Sablefish (N of 36°)	Sablefish	319.62	0.00	0.00	319.62	319.62
2003	Incidental	gf.	Sablefish (S of 36°)	Sablefish	2.36	0.00	0.00	2.36	2.36
2003	Incidental	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	gf.	SST (N of 34°27')	SST	18.74	0.00	0.00	18.74	18.74
2003	Incidental	gf.	SST (S of 34°27')	SST	0.30	0.00	0.00	0.30	0.30
2003	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	250.38	0.00	0.00	250.38	250.38
2003	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	1.14	0.00	0.00	1.14	1.14
2003	Incidental	gf.	Starry flounder	Starry flounder	9.64	0.00	0.00	9.64	9.64
2003	Incidental	gf.	Widow rf.	Widow rf.	1.06	0.00	0.00	1.06	1.06
2003	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.87	0.00	0.00	0.87	0.87
2003	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	35.49	0.00	0.00	35.49	35.49
2003	Incidental	ngf.	CA halibut	CA halibut	237.96	0.00	0.00	237.96	237.96
2003	Incidental	ngf.	Dungeness crab	Dungeness crab	32525.55	0.00	0.00	32525.55	32525.55
2003	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.22	0.00	0.00	0.22	0.22
2003	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Non-FMP flatfish	Slender sole	7.97	0.00	0.00	7.97	7.97
2003	Incidental	ngf.	Other ngf.	Abalone, unid.	1.35	0.00	0.00	1.35	1.35
2003	Incidental	ngf.	Other ngf.	Albacore tuna	16544.75	0.00	0.00	16544.75	16544.75
2003	Incidental	ngf.	Other ngf.	American shad	49.27	0.00	0.00	49.27	49.27
2003	Incidental	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	ngf.	Other ngf.	Anemone, unid.	3.60	0.00	0.00	3.60	3.60
2003	Incidental	ngf.	Other ngf.	Armed box crab	0.06	0.00	0.00	0.06	0.06
2003	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	96.60	0.00	0.00	96.60	96.60
2003	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	290.58	0.00	0.00	290.58	290.58
2003	Incidental	ngf.	Other ngf.	Basket cockle	38.40	0.00	0.00	38.40	38.40
2003	Incidental	ngf.	Other ngf.	Basket starfish	0.07	0.00	0.00	0.07	0.07
2003	Incidental	ngf.	Other ngf.	Bat ray	0.77	0.00	0.00	0.77	0.77
2003	Incidental	ngf.	Other ngf.	Bigeye thresher shark	5.56	0.00	0.00	5.56	5.56
2003	Incidental	ngf.	Other ngf.	Bigeye tuna	1.19	0.00	0.00	1.19	1.19
2003	Incidental	ngf.	Other ngf.	Bigfin eelpout	0.11	0.00	0.00	0.11	0.11
2003	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.63	0.00	0.00	0.63	0.63
2003	Incidental	ngf.	Other ngf.	Blackbelly eelpout	0.03	0.00	0.00	0.03	0.03
2003	Incidental	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Blacktail snailfish	0.03	0.00	0.00	0.03	0.03
2003	Incidental	ngf.	Other ngf.	Blue shark	0.30	0.00	0.00	0.30	0.30
2003	Incidental	ngf.	Other ngf.	Bluefin tuna	35.96	0.00	0.00	35.96	35.96
2003	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	64.53	0.00	0.00	64.53	64.53
2003	Incidental	ngf.	Other ngf.	Brittle/basket star, unid.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Brown box crab	1.23	0.00	0.00	1.23	1.23
2003	Incidental	ngf.	Other ngf.	Brown cat shark	0.67	0.00	0.00	0.67	0.67
2003	Incidental	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Butter clam	41.03	0.00	0.00	41.03	41.03
2003	Incidental	ngf.	Other ngf.	CA barracuda	36.75	0.00	0.00	36.75	36.75
2003	Incidental	ngf.	Other ngf.	CA king crab	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	CA mussel	0.34	0.00	0.00	0.34	0.34
2003	Incidental	ngf.	Other ngf.	CA sheephead	1.39	0.00	0.00	1.39	1.39
2003	Incidental	ngf.	Other ngf.	CA slickhead	0.07	0.00	0.00	0.07	0.07
2003	Incidental	ngf.	Other ngf.	CA spiny lobster	329.06	0.00	0.00	329.06	329.06
2003	Incidental	ngf.	Other ngf.	Clam, unid.	2.14	0.00	0.00	2.14	2.14
2003	Incidental	ngf.	Other ngf.	Common thresher shark	300.51	0.00	0.00	300.51	300.51
2003	Incidental	ngf.	Other ngf.	Common/giant Pacific octopus	2.56	0.00	0.00	2.56	2.56
2003	Incidental	ngf.	Other ngf.	Coral, unid.	0.18	0.00	0.00	0.18	0.18
2003	Incidental	ngf.	Other ngf.	Crab, unid.	62.67	0.00	0.00	62.67	62.67
2003	Incidental	ngf.	Other ngf.	Croaker, unid.	1.84	0.00	0.00	1.84	1.84
2003	Incidental	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Dorado	0.31	0.00	0.00	0.31	0.31
2003	Incidental	ngf.	Other ngf.	Echinoderm, unid.	2.75	0.00	0.00	2.75	2.75

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	ngf.	Other ngf.	Eel, unid.	0.42	0.00	0.00	0.42	0.42
2003	Incidental	ngf.	Other ngf.	Eelpout, unid.	0.50	0.00	0.00	0.50	0.50
2003	Incidental	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Gaper clam	6.79	0.00	0.00	6.79	6.79
2003	Incidental	ngf.	Other ngf.	Ghost shrimp	27.47	0.00	0.00	27.47	27.47
2003	Incidental	ngf.	Other ngf.	Giant kelpfish	0.27	0.00	0.00	0.27	0.27
2003	Incidental	ngf.	Other ngf.	Giant sea bass	3.79	0.00	0.00	3.79	3.79
2003	Incidental	ngf.	Other ngf.	Giant wrymouth	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Hagfish, unid.	387.12	0.00	0.00	387.12	387.12
2003	Incidental	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Invertebrate, unid.	1.45	0.00	0.00	1.45	1.45
2003	Incidental	ngf.	Other ngf.	Jack mackerel	161.04	0.00	0.00	161.04	161.04
2003	Incidental	ngf.	Other ngf.	Jellyfish, unid.	0.25	0.00	0.00	0.25	0.25
2003	Incidental	ngf.	Other ngf.	King crab, unid.	0.08	0.00	0.00	0.08	0.08
2003	Incidental	ngf.	Other ngf.	Leech, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Longspine combfish	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Other ngf.	Mackerel, unid.	50.61	0.00	0.00	50.61	50.61
2003	Incidental	ngf.	Other ngf.	Market squid	45057.51	0.00	0.00	45057.51	45057.51
2003	Incidental	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Mixed species	106.37	0.00	0.00	106.37	106.37
2003	Incidental	ngf.	Other ngf.	Mollusc, unid.	35.98	0.00	0.00	35.98	35.98
2003	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.03	0.00	0.00	0.03	0.03
2003	Incidental	ngf.	Other ngf.	Mud shrimp	3.37	0.00	0.00	3.37	3.37
2003	Incidental	ngf.	Other ngf.	Mussel, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Native littleneck clam	0.26	0.00	0.00	0.26	0.26
2003	Incidental	ngf.	Other ngf.	North Pacific daggertooth	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Other ngf.	Northern anchovy	1928.61	0.00	0.00	1928.61	1928.61
2003	Incidental	ngf.	Other ngf.	Northern ronquil	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Nudibranch, unid.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Octopus, unid.	7.78	0.00	0.00	7.78	7.78
2003	Incidental	ngf.	Other ngf.	Pacific angel shark	16.71	0.00	0.00	16.71	16.71
2003	Incidental	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Pacific bonito	2.47	0.00	0.00	2.47	2.47
2003	Incidental	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Pacific electric ray	0.08	0.00	0.00	0.08	0.08
2003	Incidental	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Pacific herring	1999.73	0.00	0.00	1999.73	1999.73
2003	Incidental	ngf.	Other ngf.	Pacific mackerel	4157.60	0.00	0.00	4157.60	4157.60

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Pacific sardine	71922.73	0.00	0.00	71922.73	71922.73
2003	Incidental	ngf.	Other ngf.	Pacific staghorn sculpin	0.13	0.00	0.00	0.13	0.13
2003	Incidental	ngf.	Other ngf.	Pacific tomcod	0.11	0.00	0.00	0.11	0.11
2003	Incidental	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Pelagic thresher shark	4.23	0.00	0.00	4.23	4.23
2003	Incidental	ngf.	Other ngf.	Pink shrimp	0.09	0.00	0.00	0.09	0.09
2003	Incidental	ngf.	Other ngf.	Pink surfperch	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.03	0.00	0.00	0.03	0.03
2003	Incidental	ngf.	Other ngf.	Poacher, unid.	0.08	0.00	0.00	0.08	0.08
2003	Incidental	ngf.	Other ngf.	Queenfish	2.84	0.00	0.00	2.84	2.84
2003	Incidental	ngf.	Other ngf.	Ragfish	0.03	0.00	0.00	0.03	0.03
2003	Incidental	ngf.	Other ngf.	Razor clam	17.94	0.00	0.00	17.94	17.94
2003	Incidental	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Red rock crab	548.83	0.00	0.00	548.83	548.83
2003	Incidental	ngf.	Other ngf.	Red urchin	5098.23	0.00	0.00	5098.23	5098.23
2003	Incidental	ngf.	Other ngf.	Ridgeback prawn	2.55	0.00	0.00	2.55	2.55
2003	Incidental	ngf.	Other ngf.	Sand dollar, unid.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Scallop, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Sculpin, unid.	2.58	0.00	0.00	2.58	2.58
2003	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	211.81	0.00	0.00	211.81	211.81
2003	Incidental	ngf.	Other ngf.	Sea mouse, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Sea snail, unid.	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Sea star, unid.	3.96	0.00	0.00	3.96	3.96
2003	Incidental	ngf.	Other ngf.	Sea whip/sea fan	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Other ngf.	Shark, unid.	4.87	0.00	0.00	4.87	4.87
2003	Incidental	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Shrimp, unid.	36.84	0.00	0.00	36.84	36.84
2003	Incidental	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Skate, unid.	301.36	0.00	0.00	301.36	301.36
2003	Incidental	ngf.	Other ngf.	Skipjack tuna	11.88	0.00	0.00	11.88	11.88
2003	Incidental	ngf.	Other ngf.	Slickhead, unid.	0.29	0.00	0.00	0.29	0.29
2003	Incidental	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.05	0.00	0.00	0.05	0.05
2003	Incidental	ngf.	Other ngf.	Sponge, unid.	0.02	0.00	0.00	0.02	0.02
2003	Incidental	ngf.	Other ngf.	Spot prawn	111.88	0.00	0.00	111.88	111.88
2003	Incidental	ngf.	Other ngf.	Squid, unid.	2.82	0.00	0.00	2.82	2.82

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Incidental	ngf.	Other ngf.	Starry skate	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Sunstar starfish	0.24	0.00	0.00	0.24	0.24
2003	Incidental	ngf.	Other ngf.	Surfperch, unid.	33.79	0.00	0.00	33.79	33.79
2003	Incidental	ngf.	Other ngf.	Swordfish	653.92	0.00	0.00	653.92	653.92
2003	Incidental	ngf.	Other ngf.	Threadfin sculpin	0.05	0.00	0.00	0.05	0.05
2003	Incidental	ngf.	Other ngf.	Tuna, unid.	0.01	0.00	0.00	0.01	0.01
2003	Incidental	ngf.	Other ngf.	Twoline eelpout	0.05	0.00	0.00	0.05	0.05
2003	Incidental	ngf.	Other ngf.	Urchin, unid.	6.43	0.00	0.00	6.43	6.43
2003	Incidental	ngf.	Other ngf.	Walleye pollock	0.62	0.00	0.00	0.62	0.62
2003	Incidental	ngf.	Other ngf.	White croaker	66.33	0.00	0.00	66.33	66.33
2003	Incidental	ngf.	Other ngf.	White sea bass	217.67	0.00	0.00	217.67	217.67
2003	Incidental	ngf.	Other ngf.	White sturgeon	0.07	0.00	0.00	0.07	0.07
2003	Incidental	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Wolf-eel	0.74	0.00	0.00	0.74	0.74
2003	Incidental	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.00	0.00	0.00	0.00
2003	Incidental	ngf.	Other ngf.	Yellowfin tuna	2.44	0.00	0.00	2.44	2.44
2003	Incidental	ngf.	Other ngf.	Yellowtail amberjack	13.73	0.00	0.00	13.73	13.73
2003	Incidental	ngf.	Shared ECS	Smelt, unid.	190.39	0.00	0.00	190.39	190.39
2003	Incidental	ngf.	Tanner crab	Tanner crab, unid.	3.52	0.00	0.00	3.52	3.52
2003	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	0.16	0.00	0.00	0.16	0.16
2003	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.41	0.00	0.00	0.41	0.41
2003	LE CA Halibut	gf.	Big skate	Big skate	0.00	85.96	42.98	85.96	42.98
2003	LE CA Halibut	gf.	Black rf. (CA)	Black rf.	0.40	0.01	0.01	0.41	0.41
2003	LE CA Halibut	gf.	Cabezon (CA)	Cabezon	0.12	0.07	0.07	0.20	0.20
2003	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.07	0.00	0.00	0.07	0.07
2003	LE CA Halibut	gf.	Darkblotched rf.	Darkblotched rf.	0.13	0.00	0.00	0.13	0.13
2003	LE CA Halibut	gf.	Dover sole	Dover sole	41.48	0.00	0.00	41.48	41.48
2003	LE CA Halibut	gf.	ECS	CA skate	0.00	20.07	20.07	20.07	20.07
2003	LE CA Halibut	gf.	ECS	Soupfin shark	0.89	0.42	0.42	1.31	1.31
2003	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	4.82	4.82	4.82	4.82
2003	LE CA Halibut	gf.	English sole	English sole	18.10	15.82	15.82	33.92	33.92
2003	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	3.38	2.54	1.27	5.92	4.65
2003	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	9.43	4.72	9.43	4.72
2003	LE CA Halibut	gf.	LST (N of 34°27')	LST	2.45	0.00	0.00	2.45	2.45
2003	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2003	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.10	0.44	0.44	0.54	0.54
2003	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.00	0.00	0.02	0.02
2003	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.12	0.00	0.00	0.12	0.12

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2003	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.09	0.00	0.00	0.09	0.09
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.15	0.02	0.02	0.17	0.17
2003	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.88	0.00	0.00	0.88	0.88
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.25	0.00	0.00	0.25	0.25
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2003	LE CA Halibut	gf.	Mixed thornyheads	SST/LST	2.93	0.00	0.00	2.93	2.93
2003	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.20	25.34	25.34	25.54	25.54
2003	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	1.37	0.00	0.00	1.37	1.37
2003	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	20.70	16.01	16.01	36.71	36.71
2003	LE CA Halibut	gf.	Other flatfish	Rex sole	4.40	0.30	0.30	4.70	4.70
2003	LE CA Halibut	gf.	Other flatfish	Rock sole	11.05	6.24	6.24	17.30	17.30
2003	LE CA Halibut	gf.	Other flatfish	Sand sole	21.07	3.81	3.81	24.87	24.87
2003	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.26	0.08	0.08	0.34	0.34
2003	LE CA Halibut	gf.	Other gf.	Leopard shark	0.82	2.12	2.12	2.94	2.94
2003	LE CA Halibut	gf.	Other rf.	Rockfish, unid.	0.75	0.00	0.00	0.75	0.75
2003	LE CA Halibut	gf.	Pacific cod	Pacific cod	0.01	0.11	0.11	0.13	0.13
2003	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.00	0.04	0.04	0.04	0.04
2003	LE CA Halibut	gf.	Petrale sole	Petrale sole	40.48	0.43	0.43	40.91	40.91
2003	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	11.10	0.00	0.00	11.11	11.10
2003	LE CA Halibut	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	gf.	SST (N of 34°27')	SST	2.81	0.00	0.00	2.81	2.81
2003	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	10.67	10.67	10.67	10.67
2003	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	8.39	0.00	0.00	8.39	8.39
2003	LE CA Halibut	gf.	Starry flounder	Starry flounder	18.15	1.71	1.71	19.86	19.86
2003	LE CA Halibut	gf.	Widow rf.	Widow rf.	1.83	0.00	0.00	1.83	1.83
2003	LE CA Halibut	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	CA halibut	CA halibut	105.54	18.88	18.88	124.42	124.42
2003	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.01	139.05	139.05	139.06	139.06
2003	LE CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.02	0.02	0.03	0.03
2003	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.02	0.02	0.02	0.03	0.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.58	0.58	0.58	0.58
2003	LE CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	1.79	1.79	1.79	1.79
2003	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.04	0.04	0.04	0.04
2003	LE CA Halibut	ngf.	Other ngf.	Bass, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	7.80	7.80	7.80	7.80
2003	LE CA Halibut	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.34	2.34	2.34	2.34
2003	LE CA Halibut	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Bullet mackerel	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	CA spiny lobster	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	0.07	0.07	0.07	0.07
2003	LE CA Halibut	ngf.	Other ngf.	Crab, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.05	0.00	0.00	0.05	0.05
2003	LE CA Halibut	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Filetail cat shark	0.00	0.08	0.08	0.08	0.08
2003	LE CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	4.58	4.58	4.58	4.58
2003	LE CA Halibut	ngf.	Other ngf.	Jack mackerel	0.00	0.03	0.03	0.03	0.03
2003	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	174.09	174.09	174.09	174.09
2003	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.45	0.45	0.45	0.45
2003	LE CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Market squid	0.00	0.05	0.05	0.05	0.05
2003	LE CA Halibut	ngf.	Other ngf.	Mixed species	0.08	0.00	0.00	0.08	0.08
2003	LE CA Halibut	ngf.	Other ngf.	Mussel, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2003	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.78	0.00	0.00	0.78	0.78
2003	LE CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.22	0.05	0.05	0.28	0.28
2003	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.14	0.14	0.14	0.14
2003	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.98	0.98	0.98	0.98
2003	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Pacific mackerel	0.00	0.12	0.12	0.12	0.12
2003	LE CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.27	0.27	0.27	0.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.30	0.30	0.30	0.30
2003	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.27	0.27	0.27	0.27
2003	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	1.15	1.15	1.15	1.15
2003	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.46	0.46	0.46	0.46
2003	LE CA Halibut	ngf.	Other ngf.	Roughback sculpin	0.00	0.02	0.02	0.02	0.02
2003	LE CA Halibut	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.15	0.15	0.15	0.15
2003	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.25	0.25	0.25	0.25
2003	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	1.95	1.95	1.95	1.95
2003	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.04	0.20	0.20	0.25	0.25
2003	LE CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Showy snailfish	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.34	0.34	0.34	0.34
2003	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	3.77	14.35	14.35	18.12	18.12
2003	LE CA Halibut	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.08	0.07	0.07	0.14	0.14
2003	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	5.16	5.16	5.16	5.16
2003	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.38	0.38	0.38	0.38
2003	LE CA Halibut	ngf.	Other ngf.	Sturgeon, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE CA Halibut	ngf.	Other ngf.	Sunstar starfish	0.00	0.46	0.46	0.46	0.46
2003	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.05	0.05	0.05	0.05
2003	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.28	0.28	0.28	0.28
2003	LE CA Halibut	ngf.	Other ngf.	Threadfin sculpin	0.00	0.01	0.01	0.01	0.01
2003	LE CA Halibut	ngf.	Other ngf.	White croaker	0.12	7.48	7.48	7.60	7.60
2003	LE CA Halibut	ngf.	Other ngf.	White sea bass	1.20	0.02	0.02	1.22	1.22
2003	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.16	0.16	0.16	0.16
2003	LE CA Halibut	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.08	0.00	0.00	0.08	0.08
2003	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.22	0.00	0.00	0.22	0.22
2003	LE FG DTL – H&L	gf.	Cabezon (CA)	Cabezon	0.00	0.23	0.23	0.23	0.23
2003	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.09	0.00	0.00	0.09	0.09
2003	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.42	4.74	4.74	5.16	5.16
2003	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	0.71	0.71	0.71	0.71
2003	LE FG DTL – H&L	gf.	ECS	CA skate	0.00	0.65	0.65	0.65	0.65
2003	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	0.12	0.12	0.12	0.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	0.06	0.06	0.06	0.06
2003	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	30.65	2.59	2.59	33.24	33.24
2003	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.22	0.22	0.22	0.22
2003	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	1.15	1.15	1.15	1.15
2003	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.10	0.10	0.10	0.10
2003	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.00	0.19	0.19	0.19	0.19
2003	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	1.48	1.48	1.48	1.48
2003	LE FG DTL – H&L	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2003	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.02	0.00	0.00	0.02	0.02
2003	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.26	1.34	0.09	1.60	0.36
2003	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	28.22	14.11	28.22	14.11
2003	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	6.75	0.01	0.01	6.76	6.76
2003	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	10.09	7.66	7.66	17.75	17.75
2003	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.14	0.14	0.14	0.14
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.04	0.08	0.08	0.12	0.12
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.03	0.00	0.00	0.03	0.03
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.19	0.00	0.00	0.19	0.19
2003	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.01	0.01	0.02	0.02
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.04	0.00	0.00	0.04	0.04
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.35	0.00	0.00	0.35	0.35
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.83	0.02	0.02	0.86	0.86
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.92	0.16	0.16	2.08	2.08
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.08	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	69.60	0.68	0.68	70.28	70.28
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.07	0.00	0.00	0.07	0.07
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.13	0.04	0.04	0.17	0.17
2003	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.95	8.49	8.49	9.44	9.44
2003	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.33	0.00	0.00	0.33	0.33
2003	LE FG DTL – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2003	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.05	0.00	0.00	0.05	0.05
2003	LE FG DTL – H&L	gf.	Other gf.	Leopard shark	0.00	0.15	0.15	0.15	0.15
2003	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.99	0.00	0.00	0.99	0.99
2003	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.10	0.05	0.05	0.15	0.15
2003	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.71	1.55	1.55	2.26	2.26
2003	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2003	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	107.05	279.48	55.90	386.53	162.94
2003	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	106.45	40.37	8.07	146.81	114.52
2003	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	31.00	0.56	0.56	31.56	31.56
2003	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	118.37	19.77	19.77	138.14	138.14
2003	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	53.67	1.38	0.69	55.05	54.36
2003	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.42	0.04	0.04	0.46	0.46
2003	LE FG DTL – H&L	gf.	Starry flounder	Starry flounder	0.03	0.00	0.00	0.03	0.03
2003	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.30	0.00	0.00	0.30	0.30
2003	LE FG DTL – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.06	0.00	0.00	0.06	0.06
2003	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.22	0.00	0.00	0.22	0.22
2003	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – H&L	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	Bat ray	0.00	1.74	1.74	1.74	1.74
2003	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.14	0.14	0.14	0.14
2003	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	4.34	4.34	4.34	4.34
2003	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.45	0.00	0.00	0.45	0.45
2003	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	14.32	14.32	14.32	14.32
2003	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.13	0.00	0.00	0.13	0.13
2003	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.07	0.07	0.07	0.07
2003	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.16	0.00	0.00	0.16	0.16
2003	LE FG DTL – H&L	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	0.04	0.04	0.04	0.04
2003	LE FG DTL – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.04	0.04	0.04	0.04

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE FG DTL – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	4.50	4.50	4.50	4.50
2003	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.06	0.06	0.06	0.06
2003	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.08	0.08	0.08	0.08
2003	LE FG DTL – H&L	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.50	0.50	0.50	0.50
2003	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.13	0.00	0.00	0.13	0.13
2003	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.13	0.13	0.15	0.15
2003	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	0.17	0.03	0.17	0.03
2003	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.05	0.00	0.00	0.05	0.05
2003	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.07	0.07	0.07	0.07
2003	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.13	0.13	0.13	0.13
2003	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.50	0.50	0.50	0.50
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	45.45	45.45	45.45	45.45
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.23	0.23	0.23	0.23
2003	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	5.43	7.42	7.42	12.85	12.85
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.33	0.33	0.33	0.33
2003	LE FG DTL – H&L	ngf.	Other ngf.	Sunstar starfish	0.00	0.27	0.27	0.27	0.27
2003	LE FG DTL – H&L	ngf.	Other ngf.	Swell shark	0.00	0.13	0.13	0.13	0.13
2003	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2003	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.10	0.00	0.00	0.10	0.10
2003	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.08	0.00	0.00	0.08	0.08
2003	LE FG DTL – H&L	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2003	LE FG DTL – H&L	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.04	0.04	0.04	0.04
2003	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.01	0.01	0.01	0.01
2003	LE FG DTL – Pot	gf.	LST (S of 34°27')	LST	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.08	0.08	0.08	0.08
2003	LE FG DTL – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	6.62	3.44	0.69	10.05	7.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE FG DTL – Pot	gf.	SST (S of 34°27')	SST	0.00	0.02	0.02	0.02	0.02
2003	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	2.30	0.00	0.00	2.30	2.30
2003	LE FG DTL – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.06	0.06	0.06	0.06
2003	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.04	0.00	0.00	0.04	0.04
2003	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.05	0.05	0.05	0.05
2003	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2003	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	3.10	21.82	21.82	24.92	24.92
2003	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	0.98	0.98	0.98	0.98
2003	LE Sablefish – H&L	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.05	0.34	0.34	0.39	0.39
2003	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.19	0.10	0.10	0.29	0.29
2003	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.30	1.66	1.66	1.97	1.97
2003	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.26	0.26	0.26	0.26
2003	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	14.55	0.12	0.12	14.67	14.67
2003	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.09	0.09	0.09	0.09
2003	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.03	0.30	0.30	0.32	0.32
2003	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.31	2.31	2.31	2.31
2003	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	3.04	2.41	0.17	5.45	3.21
2003	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.34	0.00	0.00	0.34	0.34
2003	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	14.68	7.34	14.68	7.34
2003	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.89	0.00	0.00	0.89	0.89
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.13	0.00	0.00	0.13	0.13
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	2.87	1.28	1.28	4.15	4.15
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.04	0.02	0.02	0.05	0.05
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.11	0.19	0.19	0.30	0.30
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.25	0.08	0.08	0.33	0.33
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.11	0.07	0.07	0.17	0.17
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.05	0.05	0.05	0.05
2003	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.02	0.02	0.05	0.05
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.07	0.00	0.00	2.07	2.07
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.38	1.90	1.90	11.28	11.28
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	8.03	2.07	2.07	10.09	10.09
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.54	0.28	0.28	0.82	0.82

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.50	0.50	0.50	0.50
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.86	0.23	0.23	2.09	2.09
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.05	0.05	0.05	0.05
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.44	0.45	0.45	0.89	0.89
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.03	0.03	0.03	0.03
2003	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	5.20	0.00	0.00	5.20	5.20
2003	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.86	0.00	0.00	0.86	0.86
2003	LE Sablefish – H&L	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	gf.	Other rf.	Rockfish, unid.	0.09	0.00	0.00	0.09	0.09
2003	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	2.03	1.03	1.03	3.06	3.06
2003	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.19	0.19	0.19	0.19
2003	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.36	0.01	0.01	0.37	0.37
2003	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.37	0.06	0.06	0.43	0.43
2003	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1051.55	169.69	33.94	1221.24	1085.49
2003	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	8.79	0.37	0.37	9.17	9.17
2003	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	51.75	66.20	33.10	117.95	84.85
2003	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.08	0.08	0.08	0.08
2003	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.09	1.51	1.51	1.60	1.60
2003	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.29	0.10	0.10	0.39	0.39
2003	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.32	0.00	0.00	0.32	0.32
2003	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.01	35.30	35.30	35.31	35.31
2003	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.37	0.37	0.37	0.37
2003	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	36.58	196.81	31.49	233.39	68.07
2003	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.80	0.80	0.80	0.80
2003	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	13.57	13.57	13.57	13.57

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Sablefish – H&L	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	10.46	33.28	33.28	43.75	43.75
2003	LE Sablefish – H&L	ngf.	Other ngf.	Sunstar starfish	0.00	0.18	0.18	0.18	0.18
2003	LE Sablefish – H&L	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.08	1.51	1.51	1.60	1.60
2003	LE Sablefish – Pot	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2003	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.01	0.01	0.02	0.02
2003	LE Sablefish – Pot	gf.	Dover sole	Dover sole	1.34	0.37	0.37	1.72	1.72
2003	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	2.54	2.54	2.54	2.54
2003	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.11	2.15	2.15	2.26	2.26
2003	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2003	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.17	0.17	0.17	0.17
2003	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.15	1.84	1.84	2.99	2.99
2003	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.01	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2003	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.85	0.00	0.00	0.85	0.85
2003	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.99	0.01	0.01	2.99	2.99
2003	LE Sablefish – Pot	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2003	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	603.97	98.31	19.66	702.28	623.64
2003	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.34	0.04	0.04	0.39	0.39
2003	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.08	0.08	0.08	0.08
2003	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.02	0.00	0.00	0.02	0.02
2003	LE Sablefish – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.88	0.00	0.00	0.88	0.88
2003	LE Sablefish – Pot	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.10	0.10	0.10	0.10
2003	LE Sablefish – Pot	ngf.	Other ngf.	Blue shark	0.02	0.00	0.00	0.02	0.02
2003	LE Sablefish – Pot	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.08	0.08	0.08	0.08
2003	LE Sablefish – Pot	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	0.18	0.18	0.18	0.18
2003	LE Sablefish – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.04	0.04	0.04	0.04
2003	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	34.15	0.02	0.02	34.17	34.17
2003	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.47	0.47	0.47	0.47
2003	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	ngf.	Other ngf.	King crab, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2003	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.04	0.50	0.50	0.54	0.54
2003	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	0.30	0.05	0.30	0.05
2003	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.20	0.20	0.20	0.20
2003	LE Sablefish – Pot	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Pink snailfish	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – Pot	ngf.	Other ngf.	Red urchin	0.00	0.32	0.32	0.32	0.32
2003	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.05	0.05	0.05	0.05
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sea mouse, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.41	0.41	0.41	0.41
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.18	0.18	0.18	0.18
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.16	0.16	0.16	0.16
2003	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Sablefish – Pot	ngf.	Other ngf.	Sunstar starfish	0.00	0.22	0.22	0.22	0.22
2003	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.47	0.47	0.47	0.47
2003	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.94	0.94	0.94	0.94
2003	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	7.06	7.06	7.06	7.06
2003	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	935.24	478.39	478.39	1413.63	1413.63
2003	LE Trawl	gf.	Big skate	Big skate	0.04	78.63	39.32	78.67	39.36
2003	LE Trawl	gf.	Black rf. (CA)	Black rf.	0.11	0.00	0.00	0.11	0.11
2003	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.32	0.00	0.00	0.32	0.32
2003	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.07	0.00	0.00	0.07	0.07
2003	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	2.75	2.75	2.75	2.75
2003	LE Trawl	gf.	Cabezon (CA)	Cabezon	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.04	0.00	0.00	0.04	0.04
2003	LE Trawl	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Trawl	gf.	Canary rf.	Canary rf.	4.57	20.15	20.15	24.72	24.72
2003	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.57	2.84	2.84	5.41	5.41
2003	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.05	0.13	0.13	0.18	0.18
2003	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	72.86	91.09	91.09	163.95	163.95
2003	LE Trawl	gf.	Dover sole	Dover sole	6830.74	765.42	765.42	7596.16	7596.16
2003	LE Trawl	gf.	ECS	Black skate	0.00	17.04	17.04	17.04	17.04
2003	LE Trawl	gf.	ECS	CA skate	0.00	45.63	45.63	45.63	45.63
2003	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.17	0.17	0.17	0.17
2003	LE Trawl	gf.	ECS	Giant grenadier	0.00	283.13	283.13	283.13	283.13
2003	LE Trawl	gf.	ECS	Grenadier, unid.	217.24	301.41	301.41	518.65	518.65
2003	LE Trawl	gf.	ECS	Pacific flatnose	0.00	16.58	16.58	16.58	16.58
2003	LE Trawl	gf.	ECS	Pacific grenadier	0.00	29.17	29.17	29.17	29.17
2003	LE Trawl	gf.	ECS	Popeye grenadier	0.00	1.08	1.08	1.08	1.08
2003	LE Trawl	gf.	ECS	Sandpaper skate	0.00	41.33	41.33	41.33	41.33
2003	LE Trawl	gf.	ECS	Soupfin shark	0.60	0.00	0.00	0.60	0.60
2003	LE Trawl	gf.	ECS	Spotted ratfish	0.00	443.93	443.93	443.93	443.93
2003	LE Trawl	gf.	English sole	English sole	647.76	485.57	485.57	1133.32	1133.32
2003	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	33.84	133.19	66.59	167.03	100.44
2003	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	5.18	22.55	11.28	27.73	16.46
2003	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	160.48	80.24	160.48	80.24
2003	LE Trawl	gf.	LST (N of 34°27')	LST	1508.13	182.44	182.44	1690.57	1690.57
2003	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.05	0.00	0.00	0.05	0.05
2003	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.11	0.04	0.04	0.15	0.15
2003	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.03	0.12	0.12	0.15	0.15
2003	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.12	0.00	0.00	0.12	0.12
2003	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.01	0.01	0.03	0.03
2003	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.15	0.00	0.00	0.15	0.15
2003	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.16	0.00	0.00	0.16	0.16
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.39	0.47	0.47	0.86	0.86
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.10	5.89	5.89	5.99	5.99
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.09	0.04	0.04	0.12	0.12
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.97	71.07	71.07	72.03	72.03
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.02	0.02	0.02	0.02
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.46	2.98	2.98	3.45	3.45
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.18	2.14	2.14	2.32	2.32
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.26	0.13	0.13	0.39	0.39
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.52	5.52	5.52	7.03	7.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.31	0.33	0.33	0.64	0.64
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	2.86	2.86	2.86	2.86
2003	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	2.63	2.63	2.63	2.63
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.03	0.00	0.00	0.03	0.03
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.29	0.50	0.50	0.79	0.79
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.44	0.44	0.46	0.46
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.04	0.04	0.04	0.04
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.11	0.07	0.07	0.18	0.18
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.11	0.00	0.00	0.11	0.11
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.03	0.15	0.15	0.19	0.19
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.18	0.01	0.01	0.18	0.18
2003	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.37	0.04	0.04	0.40	0.40
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	15.03	10.70	10.70	25.73	25.73
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.02	1.36	1.36	1.38	1.38
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	3.20	1.95	1.95	5.15	5.15
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.67	5.07	5.07	8.74	8.74
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	1.29	1.29	1.29	1.29
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	51.19	14.54	14.54	65.73	65.73
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	2.94	14.84	14.84	17.78	17.78
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	17.98	5.39	5.39	23.37	23.37
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	7.58	7.58	7.58	7.58
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	7.76	9.72	9.72	17.47	17.47
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	4.66	64.95	64.95	69.61	69.61
2003	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	3.13	8.70	8.70	11.83	11.83
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	38.66	6.18	6.18	44.84	44.84
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	85.39	0.08	0.08	85.48	85.48
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	54.44	0.30	0.30	54.74	54.74
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	2.78	0.02	0.02	2.80	2.80
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2003	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.44	0.00	0.00	1.44	1.44
2003	LE Trawl	gf.	Mixed thornyheads	SST/LST	34.26	385.80	385.80	420.06	420.06
2003	LE Trawl	gf.	Other flatfish	Butter sole	0.38	3.45	3.45	3.83	3.83
2003	LE Trawl	gf.	Other flatfish	Curlfin sole	2.99	16.50	16.50	19.49	19.49
2003	LE Trawl	gf.	Other flatfish	Flatfish, unid.	15.47	49.61	49.61	65.08	65.08

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2003	LE Trawl	gf.	Other flatfish	Flathead sole	9.33	41.54	41.54	50.87	50.87
2003	LE Trawl	gf.	Other flatfish	Pacific sanddab	572.86	349.91	349.91	922.77	922.77
2003	LE Trawl	gf.	Other flatfish	Rex sole	583.49	202.67	202.67	786.17	786.17
2003	LE Trawl	gf.	Other flatfish	Rock sole	10.67	7.32	7.32	17.99	17.99
2003	LE Trawl	gf.	Other flatfish	Sand sole	95.95	4.09	4.09	100.05	100.05
2003	LE Trawl	gf.	Other flatfish	Sanddab, unid.	11.34	206.10	206.10	217.43	217.43
2003	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	gf.	Other gf.	Leopard shark	0.06	0.00	0.00	0.06	0.06
2003	LE Trawl	gf.	Other rf.	Rockfish, unid.	1.14	0.00	0.00	1.14	1.14
2003	LE Trawl	gf.	Pacific cod	Pacific cod	719.28	15.78	15.78	735.06	735.06
2003	LE Trawl	gf.	Pacific hake	Pacific hake	35.39	2340.52	2340.52	2375.91	2375.91
2003	LE Trawl	gf.	POP (N of 40°10')	POP	111.16	14.47	14.47	125.63	125.63
2003	LE Trawl	gf.	Petrale sole	Petrale sole	1615.96	74.06	74.06	1690.03	1690.03
2003	LE Trawl	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2008.34	713.35	356.68	2721.69	2365.01
2003	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	77.25	4.07	2.03	81.32	79.28
2003	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.24	0.24	0.24	0.24
2003	LE Trawl	gf.	SST (N of 34°27')	SST	620.49	187.27	187.27	807.76	807.76
2003	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	121.53	488.65	488.65	610.17	610.17
2003	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	141.05	35.55	35.55	176.60	176.60
2003	LE Trawl	gf.	Starry flounder	Starry flounder	14.82	0.37	0.37	15.19	15.19
2003	LE Trawl	gf.	Widow rf.	Widow rf.	1.59	1.22	1.22	2.80	2.80
2003	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.13	0.30	0.30	0.43	0.43
2003	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	58.48	1.23	1.23	59.71	59.71
2003	LE Trawl	ngf.	CA halibut	CA halibut	6.83	0.57	0.57	7.40	7.40
2003	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.02	294.29	294.29	294.31	294.31
2003	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	0.00	61.57	61.57	61.57	61.57
2003	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.39	0.09	0.09	0.48	0.48
2003	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.00	46.15	46.15	46.15	46.15
2003	LE Trawl	ngf.	Other ngf.	American shad	0.80	67.76	67.76	68.56	68.56
2003	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.09	0.09	0.09	0.09
2003	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	99.39	99.39	99.39	99.39
2003	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	0.46	0.46	0.46	0.46
2003	LE Trawl	ngf.	Other ngf.	Basket starfish	0.00	0.07	0.07	0.07	0.07
2003	LE Trawl	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	5.83	5.83	5.83	5.83
2003	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Trawl	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Blacktail snailfish	0.00	2.06	2.06	2.06	2.06
2003	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.11	0.11	0.11	0.11
2003	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.21	0.21	0.21	0.21
2003	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	27.91	27.91	27.91	27.91
2003	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	57.84	57.84	57.84	57.84
2003	LE Trawl	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.07	0.07	0.07	0.07
2003	LE Trawl	ngf.	Other ngf.	CA lizardfish	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	30.73	30.73	30.73	30.73
2003	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	2.76	2.76	2.76	2.76
2003	LE Trawl	ngf.	Other ngf.	Common thresher shark	0.03	0.55	0.55	0.59	0.59
2003	LE Trawl	ngf.	Other ngf.	Common/giant Pacific octopus	0.00	2.82	2.82	2.82	2.82
2003	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	12.09	12.09	12.09	12.09
2003	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	3.57	3.57	3.57	3.57
2003	LE Trawl	ngf.	Other ngf.	Crimson pasiphaeid shrimp	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.01	0.00	0.00	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	22.99	22.99	22.99	22.99
2003	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	5.23	5.23	5.23	5.23
2003	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	2.73	2.73	2.73	2.73
2003	LE Trawl	ngf.	Other ngf.	Flapjack devilfish	0.00	0.97	0.97	0.97	0.97
2003	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.09	0.09	0.09	0.09
2003	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.03	0.03	0.03	0.03
2003	LE Trawl	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	10.15	10.15	10.15	10.15
2003	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	101.70	101.70	101.70	101.70
2003	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	39.18	39.18	39.18	39.18
2003	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.23	0.23	0.23	0.23
2003	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.09	0.09	0.09	0.09
2003	LE Trawl	ngf.	Other ngf.	Lavender sculpin	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Leech, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	0.10	0.10	0.10	0.10
2003	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.85	0.85	0.85	0.85
2003	LE Trawl	ngf.	Other ngf.	Lumptail searobin	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Market squid	9.74	0.01	0.01	9.75	9.75
2003	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.40	0.40	0.40	0.40
2003	LE Trawl	ngf.	Other ngf.	Midwater eelpout	0.00	0.03	0.03	0.03	0.03
2003	LE Trawl	ngf.	Other ngf.	Mixed species	0.63	0.00	0.00	0.63	0.63
2003	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.10	0.10	0.10	0.10
2003	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.08	0.08	0.08	0.08
2003	LE Trawl	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.34	0.34	0.34	0.34
2003	LE Trawl	ngf.	Other ngf.	Octopus, unid.	33.40	17.72	17.72	51.12	51.12
2003	LE Trawl	ngf.	Other ngf.	Opaleye	0.00	2.02	2.02	2.02	2.02
2003	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Pacific angel shark	0.08	0.00	0.00	0.08	0.08
2003	LE Trawl	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.10	0.10	0.10	0.10
2003	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	10.22	10.22	10.22	10.22
2003	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.25	0.25	0.25	0.25
2003	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2003	LE Trawl	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.42	0.42	0.42	0.42
2003	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.96	1.96	1.96	1.96
2003	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.23	0.23	0.23	0.23
2003	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.01	3.20	3.20	3.21	3.21
2003	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Pink shrimp	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	1.50	1.50	1.50	1.50
2003	LE Trawl	ngf.	Other ngf.	Pink urchin	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	1.75	1.75	1.75	1.75
2003	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.12	0.12	0.12	0.12
2003	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	1.75	1.75	1.75	1.75
2003	LE Trawl	ngf.	Other ngf.	Red rock crab	0.11	0.05	0.05	0.15	0.15
2003	LE Trawl	ngf.	Other ngf.	Red urchin	0.00	0.20	0.20	0.20	0.20
2003	LE Trawl	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.02	0.02	0.02	0.02
2003	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.29	0.29	0.29	0.29
2003	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	2.64	2.64	2.64	2.64
2003	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.33	1.33	1.33	1.33
2003	LE Trawl	ngf.	Other ngf.	Sea mouse, unid.	0.00	0.23	0.23	0.23	0.23
2003	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	1.81	1.81	1.81	1.81

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.14	0.14	0.14	0.14
2003	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	55.17	55.17	55.17	55.17
2003	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.10	0.10	0.10	0.10
2003	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.17	24.02	24.02	24.20	24.20
2003	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.05	0.05	0.05	0.05
2003	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.10	0.10	0.10	0.10
2003	LE Trawl	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Skate, unid.	974.09	365.79	365.79	1339.88	1339.88
2003	LE Trawl	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	26.46	26.46	26.46	26.46
2003	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	3.33	3.33	3.33	3.33
2003	LE Trawl	ngf.	Other ngf.	Specklefin midshipman	0.00	0.48	0.48	0.48	0.48
2003	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	2.07	2.07	2.07	2.07
2003	LE Trawl	ngf.	Other ngf.	Spot prawn	0.00	0.11	0.11	0.11	0.11
2003	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.07	0.07	0.07	0.07
2003	LE Trawl	ngf.	Other ngf.	Squid, unid.	1.06	46.46	46.46	47.52	47.52
2003	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	1.99	1.99	1.99	1.99
2003	LE Trawl	ngf.	Other ngf.	Sturgeon poacher	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Sunstar starfish	0.00	10.40	10.40	10.40	10.40
2003	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Thornback	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	1.61	1.61	1.61	1.61
2003	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	0.29	0.29	0.29	0.29
2003	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2003	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	7.89	7.89	7.89	7.89
2003	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	2.27	2.27	2.27	2.27
2003	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Other ngf.	Walleye pollock	21.07	42.21	42.21	63.28	63.28
2003	LE Trawl	ngf.	Other ngf.	White croaker	7.12	9.79	9.79	16.91	16.91
2003	LE Trawl	ngf.	Other ngf.	White sea bass	0.06	0.00	0.00	0.06	0.06
2003	LE Trawl	ngf.	Other ngf.	White sturgeon	0.04	0.00	0.00	0.04	0.04
2003	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.13	0.18	0.18	0.32	0.32
2003	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.19	0.19	0.19	0.19
2003	LE Trawl	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Shared ECS	Giant squid	0.00	6.48	6.48	6.48	6.48
2003	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	LE Trawl	ngf.	Shared ECS	Pacific saury	0.00	0.01	0.01	0.01	0.01

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2003	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.13	0.13	0.13	0.13
2003	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	8.19	8.19	8.19	8.19
2003	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.05	286.04	286.04	286.09	286.09
2003	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	290.47	290.47	290.47	290.47
2003	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Big skate	Big skate	0.00	4.75	0.33	4.75	0.33
2003	Nearshore	gf.	Black rf. (CA)	Black rf.	57.55	4.01	1.75	61.56	59.30
2003	Nearshore	gf.	Black rf. (CA)	Nearshore rf., unid.	0.07	0.00	0.00	0.07	0.07
2003	Nearshore	gf.	Black rf. (OR)	Black rf.	115.25	0.00	0.00	115.25	115.25
2003	Nearshore	gf.	Cabezon (CA)	Cabezon	39.51	45.57	3.19	85.08	42.70
2003	Nearshore	gf.	Cabezon (OR)	Cabezon	26.95	0.00	0.00	26.95	26.95
2003	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.14	9.52	0.67	11.66	2.81
2003	Nearshore	gf.	Canary rf.	Canary rf.	0.00	10.66	6.49	10.66	6.49
2003	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2003	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2003	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	ECS	CA skate	0.00	2.07	0.15	2.07	0.15
2003	Nearshore	gf.	ECS	Soupfin shark	0.32	0.00	0.00	0.32	0.32
2003	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.22	0.02	0.22	0.02
2003	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	36.03	57.20	4.00	93.23	40.03
2003	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	20.35	25.74	1.80	46.09	22.15
2003	Nearshore	gf.	LST (S of 34°27')	LST	0.09	0.00	0.00	0.09	0.09
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.80	0.10	0.03	0.90	0.83
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	9.11	9.88	5.07	18.99	14.18
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.47	0.00	0.00	0.47	0.47
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	10.62	5.34	2.75	15.96	13.37
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.88	0.15	0.04	2.03	1.92
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.09	0.00	0.00	0.09	0.09
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.77	0.00	0.00	0.77	0.77
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.50	0.00	0.00	0.50	0.50
2003	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.30	0.00	0.00	2.30	2.30
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	6.29	2.72	1.52	9.01	7.81
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	4.28	3.74	2.48	8.02	6.77
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	19.32	1.94	1.19	21.26	20.51
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.02	0.01	0.02	0.01
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.95	0.00	0.00	0.95	0.95
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	1.35	0.07	0.04	1.42	1.39
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	13.24	16.80	11.37	30.04	24.61
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	13.49	1.81	1.07	15.29	14.55

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	1.15	0.14	0.07	1.29	1.23
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	3.63	0.00	0.00	3.63	3.63
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.72	0.47	0.36	1.19	1.08
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.12	0.00	0.00	0.12	0.12
2003	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.80	0.04	0.02	0.84	0.83
2003	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2003	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.08	0.00	0.00	0.08	0.08
2003	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.07	0.00	0.00	0.07	0.07
2003	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.38	0.31	0.08	3.69	3.46
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.02	0.02	0.02	0.02
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.18	0.00	0.00	0.18	0.18
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	4.47	0.37	0.25	4.84	4.72
2003	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.49	0.02	0.01	0.51	0.50
2003	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.13	0.00	0.00	0.13	0.13
2003	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	4.12	0.00	0.00	4.12	4.12
2003	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2003	Nearshore	gf.	Mixed thornyheads	SST/LST	0.22	0.00	0.00	0.22	0.22
2003	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.03	0.00	0.00	0.03	0.03
2003	Nearshore	gf.	Other flatfish	Pacific sanddab	0.00	1.97	0.14	1.97	0.14
2003	Nearshore	gf.	Other flatfish	Rock sole	0.03	0.00	0.00	0.03	0.03
2003	Nearshore	gf.	Other flatfish	Sand sole	0.02	0.12	0.01	0.14	0.03
2003	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.21	0.01	0.00	0.22	0.21
2003	Nearshore	gf.	Other gf.	Greenling, unid.	0.00	2.17	0.15	2.17	0.15
2003	Nearshore	gf.	Other gf.	Kelp greenling (CA)	5.04	14.79	1.04	19.83	6.07
2003	Nearshore	gf.	Other gf.	Kelp greenling (OR)	20.09	0.00	0.00	20.09	20.09
2003	Nearshore	gf.	Other gf.	Leopard shark	0.15	0.80	0.06	0.94	0.20
2003	Nearshore	gf.	Other rf.	Rockfish, unid.	1.05	0.00	0.00	1.05	1.05
2003	Nearshore	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Nearshore	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	9.02	0.00	0.00	9.02	9.02
2003	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	1.14	0.00	0.00	1.14	1.14
2003	Nearshore	gf.	SST (S of 34°27')	SST	0.65	0.00	0.00	0.65	0.65
2003	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.01	25.04	1.75	25.05	1.77
2003	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2003	Nearshore	gf.	Starry flounder	Starry flounder	0.03	0.00	0.00	0.03	0.03
2003	Nearshore	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2003	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.01	7.02	4.71	7.04	4.72
2003	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.21	2.93	1.22	4.14	2.43
2003	Nearshore	ngf.	CA halibut	CA halibut	3.20	0.19	0.19	3.39	3.39
2003	Nearshore	ngf.	Dungeness crab	Dungeness crab	24.21	0.00	0.00	24.21	24.21
2003	Nearshore	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.02	0.02	0.02	0.02
2003	Nearshore	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.96	0.96	0.96	0.96
2003	Nearshore	ngf.	Non-FMP flatfish	Slender sole	0.00	0.17	0.17	0.17	0.17
2003	Nearshore	ngf.	Other ngf.	Albacore tuna	0.50	0.00	0.00	0.50	0.50
2003	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	1.20	1.20	1.20	1.20
2003	Nearshore	ngf.	Other ngf.	Bat ray	0.00	3.54	3.54	3.54	3.54
2003	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	0.49	0.49	0.49	0.49
2003	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.01	0.01	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.10	0.00	0.00	0.10	0.10
2003	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.14	2.14	2.14	2.14
2003	Nearshore	ngf.	Other ngf.	Calico surfperch	0.00	0.01	0.01	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	CA barracuda	0.02	0.00	0.00	0.02	0.02
2003	Nearshore	ngf.	Other ngf.	CA sheephead	48.03	2.16	2.16	50.18	50.18
2003	Nearshore	ngf.	Other ngf.	CA spiny lobster	4.19	0.00	0.00	4.19	4.19
2003	Nearshore	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.12	0.12	0.12	0.12
2003	Nearshore	ngf.	Other ngf.	Common thresher shark	0.04	0.00	0.00	0.04	0.04
2003	Nearshore	ngf.	Other ngf.	Crab, unid.	0.89	0.19	0.19	1.09	1.09
2003	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.60	0.60	0.60	0.60
2003	Nearshore	ngf.	Other ngf.	Eel, unid.	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Finescale triggerfish	0.00	0.03	0.03	0.03	0.03
2003	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.02	0.02	0.02	0.02
2003	Nearshore	ngf.	Other ngf.	Giant sea bass	0.00	0.12	0.12	0.12	0.12
2003	Nearshore	ngf.	Other ngf.	Graceful crab	0.00	0.23	0.23	0.23	0.23
2003	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.06	2.88	2.88	2.94	2.94
2003	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Nearshore	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	0.75	0.75	0.75	0.75
2003	Nearshore	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	ngf.	Other ngf.	Longspine combfish	0.00	0.04	0.04	0.04	0.04
2003	Nearshore	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2003	Nearshore	ngf.	Other ngf.	Mixed species	1.81	0.00	0.00	1.81	1.81
2003	Nearshore	ngf.	Other ngf.	Mollusc, unid.	0.30	0.00	0.00	0.30	0.30
2003	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2003	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.97	0.01	0.01	0.98	0.98
2003	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.04	0.04	0.04	0.04
2003	Nearshore	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Pacific sardine	0.09	0.00	0.00	0.09	0.09
2003	Nearshore	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.01	0.01	0.01	0.01
2003	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.02	0.02	0.02	0.02
2003	Nearshore	ngf.	Other ngf.	Red rock crab	13.08	14.48	14.48	27.57	27.57
2003	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.00	0.22	0.22	0.22	0.22
2003	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.14	0.14	0.14	0.14
2003	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	10.04	10.04	10.04	10.04
2003	Nearshore	ngf.	Other ngf.	Shark, unid.	0.05	0.00	0.00	0.05	0.05
2003	Nearshore	ngf.	Other ngf.	Shrimp, unid.	2.62	0.00	0.00	2.62	2.62
2003	Nearshore	ngf.	Other ngf.	Skate, unid.	0.05	0.15	0.15	0.20	0.20
2003	Nearshore	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2003	Nearshore	ngf.	Other ngf.	Spot prawn	2.23	0.00	0.00	2.23	2.23
2003	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.06	0.06	0.06	0.06
2003	Nearshore	ngf.	Other ngf.	Striped bass	0.00	0.93	0.93	0.93	0.93
2003	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.07	0.07	0.07	0.07
2003	Nearshore	ngf.	Other ngf.	Sunstar starfish	0.00	21.15	21.15	21.15	21.15
2003	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.49	0.03	0.03	0.52	0.52
2003	Nearshore	ngf.	Other ngf.	Swell shark	0.00	7.28	7.28	7.28	7.28
2003	Nearshore	ngf.	Other ngf.	Thornback	0.00	0.22	0.22	0.22	0.22
2003	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	2.49	2.49	2.49	2.49
2003	Nearshore	ngf.	Other ngf.	White croaker	0.93	2.45	2.45	3.38	3.38
2003	Nearshore	ngf.	Other ngf.	White sea bass	0.41	0.00	0.00	0.41	0.41
2003	Nearshore	ngf.	Other ngf.	Wolf-eel	0.03	1.29	1.29	1.32	1.32
2003	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.16	0.00	0.00	0.16	0.16
2003	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.06	0.03	0.03	0.10	0.10
2003	OA CA Halibut	gf.	Big skate	Big skate	0.00	4.74	2.37	4.74	2.37
2003	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	OA CA Halibut	gf.	ECS	CA skate	0.00	2.69	2.69	2.69	2.69
2003	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	gf.	English sole	English sole	0.00	1.24	1.24	1.24	1.24
2003	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.18	0.09	0.18	0.09
2003	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	0.91	0.91	0.91	0.91
2003	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.16	0.00	0.00	0.16	0.16
2003	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.00	0.14	0.14	0.14	0.14
2003	OA CA Halibut	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2003	OA CA Halibut	gf.	Other flatfish	Sand sole	0.25	0.64	0.64	0.89	0.89
2003	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	gf.	Other gf.	Leopard shark	0.01	0.14	0.14	0.16	0.16
2003	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.94	0.94	0.94	0.94
2003	OA CA Halibut	gf.	Starry flounder	Starry flounder	0.31	1.18	1.18	1.49	1.49
2003	OA CA Halibut	ngf.	CA halibut	CA halibut	25.75	2.81	2.81	28.56	28.56
2003	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	18.21	18.21	18.21	18.21
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.12	0.12	0.12	0.12
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.20	0.20	0.20	0.20
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.32	0.32	0.32	0.32
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Non-FMP flatfish	Spotted turbot	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.14	0.14	0.14	0.14
2003	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	1.12	1.12	1.12	1.12
2003	OA CA Halibut	ngf.	Other ngf.	Bass, unid.	0.00	0.03	0.03	0.03	0.03
2003	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	21.13	21.13	21.13	21.13
2003	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.04	0.00	0.00	0.04	0.04
2003	OA CA Halibut	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.94	0.94	0.94	0.94
2003	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.84	0.84	0.84	0.84
2003	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.06	0.39	0.39	0.45	0.45
2003	OA CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	OA CA Halibut	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Flying fish, unid.	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.12	0.12	0.12	0.12
2003	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.03	0.03	0.03	0.03
2003	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.05	0.05	0.05	0.05
2003	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.04	0.04	0.04	0.04
2003	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2003	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	6.27	6.27	6.27	6.27
2003	OA CA Halibut	ngf.	Other ngf.	Kelp bass	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.46	0.46	0.46	0.46
2003	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.20	0.20	0.20	0.20
2003	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.05	0.05	0.05	0.05
2003	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.24	3.84	3.84	4.08	4.08
2003	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	2.50	2.50	2.50	2.50
2003	OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.18	0.18	0.18	0.18
2003	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.30	0.30	0.30	0.30
2003	OA CA Halibut	ngf.	Other ngf.	Queenfish	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.04	0.10	0.10	0.13	0.13
2003	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Sand dollar, unid.	0.00	1.27	1.27	1.27	1.27
2003	OA CA Halibut	ngf.	Other ngf.	Scallop, unid.	0.00	0.01	0.01	0.01	0.01
2003	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2003	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.37	0.37	0.37	0.37
2003	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.37	0.37	0.37	0.37
2003	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	4.78	4.78	4.78	4.78
2003	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.03	0.00	0.00	0.03	0.03
2003	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2003	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	2.31	2.31	2.31	2.31
2003	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.09	2.70	2.70	2.80	2.80
2003	OA CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.06	0.06	0.06	0.06
2003	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.10	0.10	0.10	0.10
2003	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	1.20	1.20	1.20	1.20
2003	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.07	0.07	0.07	0.07
2003	OA CA Halibut	ngf.	Other ngf.	White croaker	0.05	0.21	0.21	0.26	0.26
2003	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.03	0.02	0.02	0.04	0.04
2003	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.04	0.00	0.00	0.04	0.04
2003	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.19	0.00	0.00	0.19	0.19
2003	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2003	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2003	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2003	OA FG – H&L	gf.	Dover sole	Dover sole	0.24	0.57	0.57	0.81	0.81
2003	OA FG – H&L	gf.	ECS	Deepsea skate	0.00	0.20	0.20	0.20	0.20
2003	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	5.94	5.94	5.94	5.94
2003	OA FG – H&L	gf.	ECS	Grenadier, unid.	50.21	12.38	12.38	62.59	62.59
2003	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	8.02	8.02	8.02	8.02
2003	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2003	OA FG – H&L	gf.	ECS	Soupfin shark	0.22	0.00	0.00	0.22	0.22
2003	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.07	0.07	0.07	0.07
2003	OA FG – H&L	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	6.76	0.00	0.00	6.76	6.76
2003	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	4.11	0.00	0.00	4.11	4.11
2003	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	3.84	1.92	3.84	1.92
2003	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.45	0.45	0.45	0.45
2003	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.14	0.00	0.00	0.14	0.14
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.08	0.00	0.00	0.08	0.08
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.09	0.00	0.00	0.09	0.09
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.01	0.01	0.01	0.01
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.04	0.04	0.04	0.04
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.42	0.00	0.00	0.42	0.42
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.34	0.00	0.00	0.34	0.34
2003	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.07	0.00	0.00	0.07	0.07
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.75	0.02	0.02	0.77	0.77
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.92	0.00	0.00	0.92	0.92
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.06	0.00	0.00	0.06	0.06
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.24	0.00	0.00	0.24	0.24
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.30	0.02	0.02	0.32	0.32
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.97	0.00	0.00	0.97	0.97
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	49.25	0.11	0.11	49.36	49.36
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.12	0.19	0.19	0.31	0.31
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.05	0.00	0.00	0.05	0.05
2003	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.70	0.00	0.00	1.70	1.70
2003	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.10	2.67	2.67	2.77	2.77
2003	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.00	3.71	3.71	3.71	3.71
2003	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	1.67	0.00	0.00	1.67	1.67
2003	OA FG – H&L	gf.	Other gf.	Leopard shark	3.06	0.00	0.00	3.06	3.06
2003	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.53	0.00	0.00	1.53	1.53
2003	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.45	0.00	0.00	0.45	0.45
2003	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.04	0.04	0.04	0.04
2003	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2003	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.07	0.00	0.00	0.07	0.07
2003	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	354.94	40.91	8.18	395.85	363.12
2003	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	19.71	0.03	0.01	19.74	19.71
2003	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.22	13.23	13.23	13.46	13.46
2003	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.95	0.00	0.00	0.95	0.95
2003	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	43.99	1.43	0.71	45.41	44.70
2003	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.11	0.00	0.00	0.11	0.11
2003	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.37	0.00	0.00	0.37	0.37
2003	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.19	0.00	0.00	0.19	0.19
2003	OA FG – H&L	ngf.	CA halibut	CA halibut	0.44	0.05	0.05	0.49	0.49
2003	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	2.77	0.00	0.00	2.77	2.77
2003	OA FG – H&L	ngf.	Other ngf.	Basket starfish	0.00	0.12	0.12	0.12	0.12

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2003	OA FG – H&L	ngf.	Other ngf.	Bat ray	0.04	0.00	0.00	0.04	0.04
2003	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2003	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.07	0.00	0.00	0.07	0.07
2003	OA FG – H&L	ngf.	Other ngf.	Bluefin tuna	0.28	0.00	0.00	0.28	0.28
2003	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.02	0.00	0.00	0.02	0.02
2003	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	2.48	2.48	2.48	2.48
2003	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.06	0.00	0.00	0.06	0.06
2003	OA FG – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.14	0.14	0.14	0.14
2003	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.56	0.56	0.56	0.56
2003	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.02	0.02	0.02	0.02
2003	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	49.79	0.00	49.79	0.00
2003	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.39	0.39	0.40	0.40
2003	OA FG – H&L	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2003	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.07	0.07	0.07	0.07
2003	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.11	17.34	17.34	17.44	17.44
2003	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	2.17	0.89	0.89	3.05	3.05
2003	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	0.56	0.00	0.00	0.56	0.56
2003	OA FG – H&L	ngf.	Other ngf.	Sunstar starfish	0.00	0.01	0.01	0.01	0.01
2003	OA FG – H&L	ngf.	Other ngf.	White croaker	0.17	0.00	0.00	0.17	0.17
2003	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.01	0.00	0.00	0.01	0.01
2003	OA FG – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.07	0.07	0.07	0.07
2003	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.08	0.08	0.08	0.08
2003	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.06	0.06	0.07	0.07
2003	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2003	OA FG – Pot	gf.	Dover sole	Dover sole	0.24	0.33	0.33	0.56	0.56
2003	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.11	0.00	0.00	0.11	0.11
2003	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.37	0.00	0.00	0.37	0.37
2003	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.27	0.35	0.35	0.62	0.62
2003	OA FG – Pot	gf.	LST (S of 34°27')	LST	0.00	0.47	0.47	0.47	0.47
2003	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.30	0.00	0.00	0.30	0.30
2003	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.42	0.00	0.00	0.42	0.42
2003	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2003	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.45	0.45	0.46	0.46
2003	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.47	2.24	2.24	2.70	2.70
2003	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.48	0.00	0.00	0.48	0.48
2003	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.18	0.00	0.00	0.18	0.18
2003	OA FG – Pot	gf.	Pacific hake	Pacific hake	0.00	0.12	0.12	0.12	0.12
2003	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2003	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	175.73	92.24	18.45	267.97	194.18
2003	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	11.47	0.14	0.03	11.62	11.50
2003	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2003	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.02	0.57	0.57	0.59	0.59
2003	OA FG – Pot	gf.	Widow rf.	Widow rf.	0.02	0.00	0.00	0.02	0.02
2003	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	19.72	0.00	0.00	19.72	19.72
2003	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	1.55	0.00	0.00	1.55	1.55
2003	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.60	1.84	1.84	2.45	2.45
2003	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	12.08	0.00	0.00	12.08	12.08
2003	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.04	0.00	0.00	0.04	0.04
2003	OA FG – Pot	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2003	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.08	0.00	0.00	0.08	0.08
2003	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.01	0.00	0.00	0.01	0.01
2003	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.07	1.36	1.36	1.43	1.43
2003	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.40	0.00	0.40	0.00
2003	OA FG – Pot	ngf.	Other ngf.	Red rock crab	7.43	0.00	0.00	7.43	7.43
2003	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2003	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2003	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.15	0.00	0.00	0.15	0.15
2003	OA FG – Pot	ngf.	Other ngf.	Spot prawn	13.19	0.00	0.00	13.19	13.19
2003	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.05	0.05	0.05	0.05
2003	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	0.00	0.00	0.07	0.07
2003	PHLB Derby	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2003	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.43	0.00	0.00	1.43	1.43
2003	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2003	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2003	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.07	0.00	0.00	0.07	0.07
2003	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.25	0.00	0.00	0.25	0.25
2003	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2003	PHLB Derby	gf.	Pacific cod	Pacific cod	0.03	0.00	0.00	0.03	0.03
2003	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2003	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	46.35	0.00	0.00	46.35	46.35

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	PHLB Derby	gf.	SST (N of 34°27')	SST	0.06	0.00	0.00	0.06	0.06
2003	PHLB Derby	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	ngf.	Other ngf.	Albacore tuna	0.60	0.00	0.00	0.60	0.60
2003	PHLB Derby	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2003	PHLB Derby	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2003	PHLB Derby	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2003	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.58	0.00	0.00	0.58	0.58
2003	Pink Shrimp	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.02	0.00	0.00	0.02	0.02
2003	Pink Shrimp	gf.	Dover sole	Dover sole	0.50	0.00	0.00	0.50	0.50
2003	Pink Shrimp	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2003	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2003	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.07	0.00	0.00	0.07	0.07
2003	Pink Shrimp	gf.	Other flatfish	Rex sole	0.30	0.00	0.00	0.30	0.30
2003	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2003	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.22	0.00	0.00	0.22	0.22
2003	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.12	0.00	0.00	0.12	0.12
2003	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.09	0.00	0.00	0.09	0.09
2003	Pink Shrimp	ngf.	CA halibut	CA halibut	0.13	0.00	0.00	0.13	0.13
2003	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	13874.05	0.00	0.00	13874.05	13874.05
2003	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	2.34	0.00	0.00	2.34	2.34
2003	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2003	RBPT	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2003	RBPT	gf.	English sole	English sole	0.36	0.00	0.00	0.36	0.36
2003	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.00	0.00	0.02	0.02
2003	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2003	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2003	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2003	RBPT	gf.	Other flatfish	Flatfish, unid.	1.70	0.00	0.00	1.70	1.70
2003	RBPT	gf.	Other flatfish	Rex sole	0.04	0.00	0.00	0.04	0.04
2003	RBPT	gf.	Other flatfish	Sanddab, unid.	0.13	0.00	0.00	0.13	0.13
2003	RBPT	gf.	Other rf.	Rockfish, unid.	0.04	0.00	0.00	0.04	0.04
2003	RBPT	gf.	Pacific hake	Pacific hake	0.12	0.00	0.00	0.12	0.12
2003	RBPT	gf.	Petrale sole	Petrale sole	0.50	0.00	0.00	0.50	0.50
2003	RBPT	ngf.	CA halibut	CA halibut	0.54	0.00	0.00	0.54	0.54
2003	RBPT	ngf.	Other ngf.	Crab, unid.	0.09	0.00	0.00	0.09	0.09
2003	RBPT	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2003	RBPT	ngf.	Other ngf.	Market squid	0.24	0.00	0.00	0.24	0.24
2003	RBPT	ngf.	Other ngf.	Mixed species	2.71	0.00	0.00	2.71	2.71

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	RBPT	ngf.	Other ngf.	Mollusc, unid.	0.02	0.00	0.00	0.02	0.02
2003	RBPT	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2003	RBPT	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2003	RBPT	ngf.	Other ngf.	Pacific angel shark	0.05	0.00	0.00	0.05	0.05
2003	RBPT	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2003	RBPT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2003	RBPT	ngf.	Other ngf.	Red rock crab	0.04	0.00	0.00	0.04	0.04
2003	RBPT	ngf.	Other ngf.	Ridgeback prawn	225.33	0.00	0.00	225.33	225.33
2003	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.47	0.00	0.00	0.47	0.47
2003	RBPT	ngf.	Other ngf.	Shark, unid.	0.08	0.00	0.00	0.08	0.08
2003	RBPT	ngf.	Other ngf.	Spot prawn	1.50	0.00	0.00	1.50	1.50
2003	RBPT	ngf.	Other ngf.	White croaker	5.89	0.00	0.00	5.89	5.89
2003	RBPT	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2003	RBPT	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2003	SCT	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2003	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2003	SCT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2003	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2003	SCT	gf.	Other flatfish	Flatfish, unid.	0.05	0.00	0.00	0.05	0.05
2003	SCT	gf.	Other flatfish	Sanddab, unid.	0.03	0.00	0.00	0.03	0.03
2003	SCT	gf.	Pacific hake	Pacific hake	0.01	0.00	0.00	0.01	0.01
2003	SCT	gf.	Petrale sole	Petrale sole	0.04	0.00	0.00	0.04	0.04
2003	SCT	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2003	SCT	ngf.	CA halibut	CA halibut	0.18	0.00	0.00	0.18	0.18
2003	SCT	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2003	SCT	ngf.	Other ngf.	Crab, unid.	0.14	0.00	0.00	0.14	0.14
2003	SCT	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2003	SCT	ngf.	Other ngf.	Mixed species	0.06	0.00	0.00	0.06	0.06
2003	SCT	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2003	SCT	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2003	SCT	ngf.	Other ngf.	Pink shrimp	0.02	0.00	0.00	0.02	0.02
2003	SCT	ngf.	Other ngf.	Plainfin midshipman	0.01	0.00	0.00	0.01	0.01
2003	SCT	ngf.	Other ngf.	Red rock crab	0.03	0.00	0.00	0.03	0.03
2003	SCT	ngf.	Other ngf.	Ridgeback prawn	0.10	0.00	0.00	0.10	0.10
2003	SCT	ngf.	Other ngf.	Sea cucumber, unid.	132.46	0.00	0.00	132.46	132.46
2003	SCT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2003	SCT	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2003	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.23	0.00	0.00	0.23	0.23
2003	Shoreside Hake	gf.	Canary rf.	Canary rf.	0.11	0.00	0.00	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.26	0.00	0.00	0.26	0.26
2003	Shoreside Hake	gf.	Dover sole	Dover sole	0.03	0.00	0.00	0.03	0.03
2003	Shoreside Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.40	0.00	0.00	0.40	0.40
2003	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2003	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	9.52	0.00	0.00	9.52	9.52
2003	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.37	0.00	0.00	0.37	0.37
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.50	0.00	0.00	0.50	0.50
2003	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2003	Shoreside Hake	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.04	0.00	0.00	0.04	0.04
2003	Shoreside Hake	gf.	Pacific hake	Pacific hake	51220.32	0.00	0.00	51220.32	51220.32
2003	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.30	0.00	0.00	0.30	0.30
2003	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	40.28	0.00	0.00	40.28	40.28
2003	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.04	0.00	0.00	0.04	0.04
2003	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.06	0.00	0.00	0.06	0.06
2003	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	4.30	0.00	0.00	4.30	4.30
2003	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2003	Shoreside Hake	gf.	Widow rf.	Widow rf.	12.55	0.00	0.00	12.55	12.55
2003	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	45.15	0.00	0.00	45.15	45.15
2003	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	ngf.	Other ngf.	American shad	8.43	0.00	0.00	8.43	8.43
2003	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.46	0.00	0.00	0.46	0.46
2003	Shoreside Hake	ngf.	Other ngf.	Bluefin tuna	0.02	0.00	0.00	0.02	0.02
2003	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	70.43	0.00	0.00	70.43	70.43
2003	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	3.13	0.00	0.00	3.13	3.13
2003	Shoreside Hake	ngf.	Other ngf.	Market squid	0.48	0.00	0.00	0.48	0.48
2003	Shoreside Hake	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2003	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2003	Shoreside Hake	ngf.	Other ngf.	Pacific herring	1.24	0.00	0.00	1.24	1.24

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	1.70	0.00	0.00	1.70	1.70
2003	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2003	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2003	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.12	0.00	0.00	0.12	0.12
2003	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	0.16	0.00	0.00	0.16	0.16
2003	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	107.87	0.00	0.00	107.87	107.87
2003	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	1.40	1.40	1.41	1.41
2003	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.20	0.20	0.20	0.20
2003	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.67	0.00	0.00	0.67	0.67
2003	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2003	Tribal A-S Hake	gf.	ECS	Soupfin shark	0.00	0.24	0.24	0.24	0.24
2003	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.02	0.03	0.03	0.05	0.05
2003	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.23	0.00	0.00	0.23	0.23
2003	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.14	0.06	0.06	0.20	0.20
2003	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.00	0.00	0.04	0.04
2003	Tribal A-S Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2003	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.09	0.44	0.44	0.53	0.53
2003	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	19430.76	16.29	16.29	19447.05	19447.05
2003	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	1.09	0.00	0.00	1.09	1.09
2003	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.05	0.08	0.08	0.13	0.13
2003	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	1.10	258.36	258.36	259.46	259.46
2003	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	1.86	0.30	0.30	2.17	2.17
2003	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	34.28	0.00	0.00	34.28	34.28
2003	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.06	11.63	11.63	11.69	11.69
2003	Tribal A-S Hake	ngf.	Other ngf.	Blue shark	0.00	0.11	0.11	0.11	0.11
2003	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	1.34	1.34	1.34	1.34
2003	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2003	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2003	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.03	0.03	0.03	0.03
2003	Tribal A-S Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2003	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	8.91	8.91	8.91	8.91
2003	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.05	0.05	0.05	0.05
2003	Tribal A-S Hake	ngf.	Other ngf.	Skate, unid.	0.00	0.02	0.02	0.02	0.02
2003	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.04	0.04
2003	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	977.20	0.00	0.00	977.20	977.20
2003	Tribal A-S Hake	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2003	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	22.56	0.00	0.00	22.56	22.56
2003	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2003	Tribal Shoreside	gf.	Canary rf.	Canary rf.	1.47	0.00	0.00	1.47	1.47

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2003	Tribal Shoreside	gf.	Dover sole	Dover sole	32.90	0.00	0.00	32.90	32.90
2003	Tribal Shoreside	gf.	English sole	English sole	67.19	0.00	0.00	67.19	67.19
2003	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	22.24	0.00	0.00	22.24	22.24
2003	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.13	0.00	0.00	0.13	0.13
2003	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2003	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.17	0.00	0.00	0.17	0.17
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.21	0.00	0.00	0.21	0.21
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.87	0.00	0.00	0.87	0.87
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.72	0.00	0.00	0.72	0.72
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.19	0.00	0.00	0.19	0.19
2003	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.53	0.00	0.00	0.53	0.53
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.27	0.00	0.00	0.27	0.27
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.55	0.00	0.00	5.55	5.55
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	11.72	0.00	0.00	11.72	11.72
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.82	0.00	0.00	0.82	0.82
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.57	0.00	0.00	0.57	0.57
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.34	0.00	0.00	0.34	0.34
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2003	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2003	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	2.89	0.00	0.00	2.89	2.89
2003	Tribal Shoreside	gf.	Other flatfish	Rex sole	4.94	0.00	0.00	4.94	4.94
2003	Tribal Shoreside	gf.	Other flatfish	Rock sole	2.34	0.00	0.00	2.34	2.34
2003	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.03	0.00	0.00	0.03	0.03
2003	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.78	0.00	0.00	0.78	0.78
2003	Tribal Shoreside	gf.	Pacific cod	Pacific cod	213.70	0.00	0.00	213.70	213.70
2003	Tribal Shoreside	gf.	Pacific hake	Pacific hake	4078.87	0.00	0.00	4078.87	4078.87
2003	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.11	0.00	0.00	0.11	0.11
2003	Tribal Shoreside	gf.	Petrale sole	Petrale sole	83.94	0.00	0.00	83.94	83.94
2003	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	602.47	0.00	0.00	602.47	602.47
2003	Tribal Shoreside	gf.	SST (N of 34°27')	SST	5.76	0.00	0.00	5.76	5.76
2003	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	3.79	0.00	0.00	3.79	3.79
2003	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2003	Tribal Shoreside	gf.	Widow rf.	Widow rf.	9.35	0.00	0.00	9.35	9.35
2003	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.28	0.00	0.00	0.28	0.28
2003	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	273.03	0.00	0.00	273.03	273.03
2003	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	777.30	0.00	0.00	777.30	777.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2003	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	17.21	0.00	0.00	17.21	17.21
2003	Tribal Shoreside	ngf.	Other ngf.	American shad	4.49	0.00	0.00	4.49	4.49
2003	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2003	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2003	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	5.87	0.00	0.00	5.87	5.87
2003	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2003	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	20.68	0.00	0.00	20.68	20.68
2003	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	116.84	0.00	0.00	116.84	116.84
2004	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	0.75	0.35	0.35	1.10	1.10
2004	A-S Hake CP	gf.	Big skate	Big skate	0.00	0.51	0.51	0.51	0.51
2004	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.35	0.14	0.14	0.48	0.48
2004	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	3.72	0.65	0.65	4.37	4.37
2004	A-S Hake CP	gf.	Dover sole	Dover sole	0.08	0.06	0.06	0.14	0.14
2004	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.03	0.03	0.03	0.03
2004	A-S Hake CP	gf.	English sole	English sole	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.07	0.07	0.37	0.37
2004	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.08	0.11	0.11	0.19	0.19
2004	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.05	0.05	0.07	0.07
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.55	0.55	0.55	1.10	1.10
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.96	0.02	0.02	1.98	1.98
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.03	0.01	0.01	0.04	0.04
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.02	0.02	0.02	0.02
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.09	0.00	0.00	0.09	0.09
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	7.17	6.55	6.55	13.72	13.72
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.32	0.02	0.02	0.34	0.34
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.14	0.38	0.38	0.52	0.52
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	5.43	2.98	2.98	8.40	8.40
2004	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	0.21	0.14	0.14	0.36	0.36
2004	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Other flatfish	Rex sole	0.94	0.73	0.73	1.67	1.67

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	A-S Hake CP	gf.	Other flatfish	Southern rock sole	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2004	A-S Hake CP	gf.	Pacific hake	Pacific hake	72858.72	295.68	295.68	73154.40	73154.40
2004	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.79	0.16	0.16	0.95	0.95
2004	A-S Hake CP	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	16.36	3.11	3.11	19.46	19.46
2004	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	gf.	SST (N of 34°27')	SST	4.01	1.27	1.27	5.27	5.27
2004	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	5.20	323.63	323.63	328.83	328.83
2004	A-S Hake CP	gf.	Widow rf.	Widow rf.	3.98	4.25	4.25	8.23	8.23
2004	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	4.71	1.60	1.60	6.31	6.31
2004	A-S Hake CP	ngf.	Non-FMP flatfish	Kamchatka flounder	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	American shad	0.03	0.01	0.01	0.04	0.04
2004	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.40	0.40	0.40	0.40
2004	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	0.66	3.14	3.14	3.80	3.80
2004	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	35.61	22.37	22.37	57.98	57.98
2004	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.03	1.81	1.81	1.84	1.84
2004	A-S Hake CP	ngf.	Other ngf.	King of the salmon	0.32	0.80	0.80	1.12	1.12
2004	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.01	0.03	0.03	0.04	0.04
2004	A-S Hake CP	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.81	0.81	0.81	0.81
2004	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.06	0.01	0.01	0.08	0.08
2004	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.05	0.75	0.75	0.79	0.79
2004	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.19	0.12	0.12	0.31	0.31
2004	A-S Hake CP	ngf.	Other ngf.	Ragfish	0.35	3.20	3.20	3.55	3.55
2004	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.06	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	2.19	2.19	2.19	2.19
2004	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.00	0.02	0.02	0.02	0.02
2004	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.01	0.05	0.05	0.06	0.06
2004	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	132.57	987.78	987.78	1120.36	1120.36
2004	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.04	0.05	0.05	0.09	0.09
2004	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	0.01	0.01	0.02	0.02
2004	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.03	0.03	0.03	0.03
2004	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	4.03	0.09	0.09	4.12	4.12
2004	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	2.88	0.15	0.15	3.03	3.03
2004	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2004	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.46	0.35	0.35	0.81	0.81
2004	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.03	0.23	0.23	0.26	0.26
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.07	0.07	0.09	0.09
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.39	0.48	0.48	0.88	0.88
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.09	0.26	0.26	0.35	0.35
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.10	0.10	0.11	0.11
2004	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2004	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.02	0.18	0.18	0.20	0.20
2004	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.19	0.04	0.04	0.22	0.22
2004	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	24010.07	92.49	92.49	24102.57	24102.57
2004	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.09	0.02	0.02	0.10	0.10
2004	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	9.03	0.28	0.28	9.31	9.31
2004	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.01	0.01	0.02	0.02
2004	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.00	0.01	0.01	0.01	0.01
2004	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	1.91	7.93	7.93	9.83	9.83
2004	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	7.28	4.16	4.16	11.45	11.45
2004	A-S Hake MSCV	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	4.20	7.97	7.97	12.18	12.18
2004	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.14	0.07	0.07	0.21	0.21
2004	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.07	0.25	0.25	0.32	0.32
2004	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.00	0.03	0.03	0.03	0.03
2004	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.01	0.01
2004	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.32	0.32	0.32	0.32
2004	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.23	0.23	0.23	0.23
2004	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.05	0.20	0.20	0.25	0.25
2004	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2004	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	2.84	2.06	2.06	4.89	4.89
2004	CS – BT	ngf.	Other ngf.	PHLB	0.00	212.43	133.12	212.43	133.12
2004	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	1040.51	0.00	0.00	1040.51	1040.51
2004	Incidental	gf.	Big skate	Big skate	1.92	0.00	0.00	1.92	1.92
2004	Incidental	gf.	Black rf. (CA)	Black rf.	0.10	0.00	0.00	0.10	0.10
2004	Incidental	gf.	Black rf. (OR)	Black rf.	0.89	0.00	0.00	0.89	0.89
2004	Incidental	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.57	0.00	0.00	2.57	2.57
2004	Incidental	gf.	Cabezon (CA)	Cabezon	0.13	0.00	0.00	0.13	0.13
2004	Incidental	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.91	0.00	0.00	2.91	2.91
2004	Incidental	gf.	Canary rf.	Canary rf.	1.17	0.00	0.00	1.17	1.17
2004	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.94	0.00	0.00	2.94	2.94
2004	Incidental	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.03	0.00	0.00	0.03	0.03
2004	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.93	0.00	0.00	0.93	0.93
2004	Incidental	gf.	Dover sole	Dover sole	120.75	0.00	0.00	120.75	120.75
2004	Incidental	gf.	ECS	Black skate	0.04	0.00	0.00	0.04	0.04
2004	Incidental	gf.	ECS	CA skate	1.26	0.00	0.00	1.26	1.26
2004	Incidental	gf.	ECS	Giant grenadier	0.17	0.00	0.00	0.17	0.17
2004	Incidental	gf.	ECS	Grenadier, unid.	0.07	0.00	0.00	0.07	0.07
2004	Incidental	gf.	ECS	Pacific flatnose	0.03	0.00	0.00	0.03	0.03
2004	Incidental	gf.	ECS	Pacific grenadier	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	ECS	Sandpaper skate	1.29	0.00	0.00	1.29	1.29

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	gf.	ECS	Soupfin shark	25.17	0.00	0.00	25.17	25.17
2004	Incidental	gf.	ECS	Spotted ratfish	9.93	0.00	0.00	9.93	9.93
2004	Incidental	gf.	English sole	English sole	56.47	0.00	0.00	56.47	56.47
2004	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	18.75	0.00	0.00	18.75	18.75
2004	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	5.24	0.00	0.00	5.24	5.24
2004	Incidental	gf.	Longnose skate	Longnose skate	5.56	0.00	0.00	5.56	5.56
2004	Incidental	gf.	LST (N of 34°27')	LST	1.64	0.00	0.00	1.64	1.64
2004	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.10	0.00	0.00	0.10	0.10
2004	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.04	0.00	0.00	0.04	0.04
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.04	0.00	0.00	0.04	0.04
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.83	0.00	0.00	0.83	0.83
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.54	0.00	0.00	0.54	0.54
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.05	0.00	0.00	0.05	0.05
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.46	0.00	0.00	0.46	0.46
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.07	0.00	0.00	0.07	0.07
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.07	0.00	0.00	0.07	0.07
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.10	0.00	0.00	0.10	0.10
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.21	0.00	0.00	0.21	0.21
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.06	0.00	0.00	0.06	0.06
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.12	0.00	0.00	0.12	0.12
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.54	0.00	0.00	1.54	1.54
2004	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.29	0.00	0.00	0.29	0.29

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.13	0.00	0.00	0.13	0.13
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.22	0.00	0.00	0.22	0.22
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.88	0.00	0.00	1.88	1.88
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.24	0.00	0.00	2.24	2.24
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.52	0.00	0.00	0.52	0.52
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.18	0.00	0.00	0.18	0.18
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.38	0.00	0.00	0.38	0.38
2004	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.28	0.00	0.00	0.28	0.28
2004	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.06	0.00	0.00	0.06	0.06
2004	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	19.44	0.00	0.00	19.44	19.44
2004	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.85	0.00	0.00	1.85	1.85
2004	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.06	0.00	0.00	0.06	0.06
2004	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.29	0.00	0.00	0.29	0.29
2004	Incidental	gf.	Mixed thornyheads	SST/LST	0.03	0.00	0.00	0.03	0.03
2004	Incidental	gf.	Other flatfish	Curlfin sole	0.37	0.00	0.00	0.37	0.37
2004	Incidental	gf.	Other flatfish	Flatfish, unid.	10.68	0.00	0.00	10.68	10.68
2004	Incidental	gf.	Other flatfish	Flathead sole	1.78	0.00	0.00	1.78	1.78
2004	Incidental	gf.	Other flatfish	Pacific sanddab	16.72	0.00	0.00	16.72	16.72
2004	Incidental	gf.	Other flatfish	Rex sole	5.03	0.00	0.00	5.03	5.03
2004	Incidental	gf.	Other flatfish	Rock sole	4.50	0.00	0.00	4.50	4.50
2004	Incidental	gf.	Other flatfish	Sand sole	3.39	0.00	0.00	3.39	3.39
2004	Incidental	gf.	Other flatfish	Sanddab, unid.	9.48	0.00	0.00	9.48	9.48
2004	Incidental	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2004	Incidental	gf.	Other gf.	Leopard shark	4.96	0.00	0.00	4.96	4.96
2004	Incidental	gf.	Other rf.	Rockfish, unid.	0.68	0.00	0.00	0.68	0.68
2004	Incidental	gf.	Pacific cod	Pacific cod	266.50	0.00	0.00	266.50	266.50
2004	Incidental	gf.	Pacific hake	Pacific hake	7.61	0.00	0.00	7.61	7.61
2004	Incidental	gf.	POP (N of 40°10')	POP	5.34	0.00	0.00	5.34	5.34
2004	Incidental	gf.	Petrale sole	Petrale sole	117.35	0.00	0.00	117.35	117.35
2004	Incidental	gf.	Sablefish (N of 36°)	Sablefish	223.35	0.00	0.00	223.35	223.35
2004	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.44	0.00	0.00	0.44	0.44
2004	Incidental	gf.	Shortbelly rf.	Shortbelly rf.	0.04	0.00	0.00	0.04	0.04
2004	Incidental	gf.	SST (N of 34°27')	SST	17.74	0.00	0.00	17.74	17.74
2004	Incidental	gf.	SST (S of 34°27')	SST	0.15	0.00	0.00	0.15	0.15
2004	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	157.35	0.00	0.00	157.35	157.35
2004	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	10.27	0.00	0.00	10.27	10.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	gf.	Starry flounder	Starry flounder	5.44	0.00	0.00	5.44	5.44
2004	Incidental	gf.	Widow rf.	Widow rf.	0.13	0.00	0.00	0.13	0.13
2004	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.18	0.00	0.00	0.18	0.18
2004	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	18.18	0.00	0.00	18.18	18.18
2004	Incidental	ngf.	CA halibut	CA halibut	242.50	0.00	0.00	242.50	242.50
2004	Incidental	ngf.	Dungeness crab	Dungeness crab	26526.69	0.00	0.00	26526.69	26526.69
2004	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.03	0.00	0.00	0.03	0.03
2004	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	0.05	0.00	0.00	0.05	0.05
2004	Incidental	ngf.	Non-FMP flatfish	Slender sole	0.68	0.00	0.00	0.68	0.68
2004	Incidental	ngf.	Other ngf.	Abalone, unid.	1.23	0.00	0.00	1.23	1.23
2004	Incidental	ngf.	Other ngf.	Albacore tuna	14367.42	0.00	0.00	14367.42	14367.42
2004	Incidental	ngf.	Other ngf.	American shad	46.06	0.00	0.00	46.06	46.06
2004	Incidental	ngf.	Other ngf.	Anchovy, unid.	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Anemone, unid.	1.55	0.00	0.00	1.55	1.55
2004	Incidental	ngf.	Other ngf.	Armed box crab	0.03	0.00	0.00	0.03	0.03
2004	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	209.09	0.00	0.00	209.09	209.09
2004	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	462.76	0.00	0.00	462.76	462.76
2004	Incidental	ngf.	Other ngf.	Basket cockle	54.16	0.00	0.00	54.16	54.16
2004	Incidental	ngf.	Other ngf.	Bat ray	1.70	0.00	0.00	1.70	1.70
2004	Incidental	ngf.	Other ngf.	Bigeye thresher shark	5.18	0.00	0.00	5.18	5.18
2004	Incidental	ngf.	Other ngf.	Bigeye tuna	1.83	0.00	0.00	1.83	1.83
2004	Incidental	ngf.	Other ngf.	Bigfin eelpout	0.10	0.00	0.00	0.10	0.10
2004	Incidental	ngf.	Other ngf.	Bivalve, unid.	2.00	0.00	0.00	2.00	2.00
2004	Incidental	ngf.	Other ngf.	Blacktail snailfish	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Blue shark	0.19	0.00	0.00	0.19	0.19
2004	Incidental	ngf.	Other ngf.	Bluefin tuna	10.06	0.00	0.00	10.06	10.06
2004	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	51.12	0.00	0.00	51.12	51.12
2004	Incidental	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Brown box crab	0.16	0.00	0.00	0.16	0.16
2004	Incidental	ngf.	Other ngf.	Brown cat shark	0.22	0.00	0.00	0.22	0.22
2004	Incidental	ngf.	Other ngf.	Brown smoothhound shark	0.04	0.00	0.00	0.04	0.04
2004	Incidental	ngf.	Other ngf.	Butter clam	16.41	0.00	0.00	16.41	16.41
2004	Incidental	ngf.	Other ngf.	CA barracuda	26.01	0.00	0.00	26.01	26.01
2004	Incidental	ngf.	Other ngf.	CA jackknife clam	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	CA mussel	0.26	0.00	0.00	0.26	0.26
2004	Incidental	ngf.	Other ngf.	CA sheephead	0.55	0.00	0.00	0.55	0.55
2004	Incidental	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	CA spiny lobster	389.21	0.00	0.00	389.21	389.21

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	ngf.	Other ngf.	Clam, unid.	1.56	0.00	0.00	1.56	1.56
2004	Incidental	ngf.	Other ngf.	Common thresher shark	114.43	0.00	0.00	114.43	114.43
2004	Incidental	ngf.	Other ngf.	Coral, unid.	0.12	0.00	0.00	0.12	0.12
2004	Incidental	ngf.	Other ngf.	Crab, unid.	50.67	0.00	0.00	50.67	50.67
2004	Incidental	ngf.	Other ngf.	Croaker, unid.	21.40	0.00	0.00	21.40	21.40
2004	Incidental	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Dorado	0.41	0.00	0.00	0.41	0.41
2004	Incidental	ngf.	Other ngf.	Echinoderm, unid.	7.14	0.00	0.00	7.14	7.14
2004	Incidental	ngf.	Other ngf.	Eel, unid.	0.98	0.00	0.00	0.98	0.98
2004	Incidental	ngf.	Other ngf.	Eelpout, unid.	0.33	0.00	0.00	0.33	0.33
2004	Incidental	ngf.	Other ngf.	Filetail cat shark	0.59	0.00	0.00	0.59	0.59
2004	Incidental	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Gaper clam	5.82	0.00	0.00	5.82	5.82
2004	Incidental	ngf.	Other ngf.	Ghost shrimp	33.98	0.00	0.00	33.98	33.98
2004	Incidental	ngf.	Other ngf.	Giant sea bass	4.17	0.00	0.00	4.17	4.17
2004	Incidental	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Gray smoothhound shark	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Hagfish, unid.	237.97	0.00	0.00	237.97	237.97
2004	Incidental	ngf.	Other ngf.	Halibut, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Invertebrate, unid.	1.60	0.00	0.00	1.60	1.60
2004	Incidental	ngf.	Other ngf.	Jack mackerel	1051.79	0.00	0.00	1051.79	1051.79
2004	Incidental	ngf.	Other ngf.	Jellyfish, unid.	0.10	0.00	0.00	0.10	0.10
2004	Incidental	ngf.	Other ngf.	King crab, unid.	0.06	0.00	0.00	0.06	0.06
2004	Incidental	ngf.	Other ngf.	Longspine combfish	0.03	0.00	0.00	0.03	0.03
2004	Incidental	ngf.	Other ngf.	Lumptail searobin	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Mackerel, unid.	21.84	0.00	0.00	21.84	21.84
2004	Incidental	ngf.	Other ngf.	Market squid	40110.30	0.00	0.00	40110.30	40110.30
2004	Incidental	ngf.	Other ngf.	Mixed species	59.53	0.00	0.00	59.53	59.53
2004	Incidental	ngf.	Other ngf.	Mollusc, unid.	36.16	0.00	0.00	36.16	36.16
2004	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.04	0.00	0.00	0.04	0.04
2004	Incidental	ngf.	Other ngf.	Mud shrimp	2.39	0.00	0.00	2.39	2.39
2004	Incidental	ngf.	Other ngf.	Native littleneck clam	0.28	0.00	0.00	0.28	0.28
2004	Incidental	ngf.	Other ngf.	Northern anchovy	7019.00	0.00	0.00	7019.00	7019.00
2004	Incidental	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Octopus, unid.	2.97	0.00	0.00	2.97	2.97
2004	Incidental	ngf.	Other ngf.	Pacific angel shark	13.00	0.00	0.00	13.00	13.00
2004	Incidental	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Pacific bonito	353.85	0.00	0.00	353.85	353.85

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	ngf.	Other ngf.	Pacific electric ray	0.18	0.00	0.00	0.18	0.18
2004	Incidental	ngf.	Other ngf.	Pacific herring	1658.00	0.00	0.00	1658.00	1658.00
2004	Incidental	ngf.	Other ngf.	Pacific mackerel	3684.43	0.00	0.00	3684.43	3684.43
2004	Incidental	ngf.	Other ngf.	Pacific sardine	89350.19	0.00	0.00	89350.19	89350.19
2004	Incidental	ngf.	Other ngf.	Pacific tomcod	0.09	0.00	0.00	0.09	0.09
2004	Incidental	ngf.	Other ngf.	Pelagic thresher shark	1.63	0.00	0.00	1.63	1.63
2004	Incidental	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Queenfish	0.06	0.00	0.00	0.06	0.06
2004	Incidental	ngf.	Other ngf.	Razor clam	110.89	0.00	0.00	110.89	110.89
2004	Incidental	ngf.	Other ngf.	Red rock crab	495.71	0.00	0.00	495.71	495.71
2004	Incidental	ngf.	Other ngf.	Red urchin	5696.61	0.00	0.00	5696.61	5696.61
2004	Incidental	ngf.	Other ngf.	Ridgeback prawn	2.14	0.00	0.00	2.14	2.14
2004	Incidental	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Sculpin, unid.	2.21	0.00	0.00	2.21	2.21
2004	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	135.50	0.00	0.00	135.50	135.50
2004	Incidental	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Sea star, unid.	0.26	0.00	0.00	0.26	0.26
2004	Incidental	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Shark, unid.	4.75	0.00	0.00	4.75	4.75
2004	Incidental	ngf.	Other ngf.	Sheep crab	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Shovelnose guitarfish	0.02	0.00	0.00	0.02	0.02
2004	Incidental	ngf.	Other ngf.	Shrimp, unid.	26.39	0.00	0.00	26.39	26.39
2004	Incidental	ngf.	Other ngf.	Sixgill shark	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Skate, unid.	78.44	0.00	0.00	78.44	78.44
2004	Incidental	ngf.	Other ngf.	Skipjack tuna	115.01	0.00	0.00	115.01	115.01
2004	Incidental	ngf.	Other ngf.	Slickhead, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Snailfish, unid.	0.02	0.00	0.00	0.02	0.02
2004	Incidental	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Sponge, unid.	0.42	0.00	0.00	0.42	0.42
2004	Incidental	ngf.	Other ngf.	Spot prawn	155.84	0.00	0.00	155.84	155.84
2004	Incidental	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Squid, unid.	0.60	0.00	0.00	0.60	0.60
2004	Incidental	ngf.	Other ngf.	Starry skate	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Surfperch, unid.	39.84	0.00	0.00	39.84	39.84
2004	Incidental	ngf.	Other ngf.	Swordfish	356.58	0.00	0.00	356.58	356.58

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Incidental	ngf.	Other ngf.	Thornback	0.03	0.00	0.00	0.03	0.03
2004	Incidental	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Threadfin slickhead	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Tuna, unid.	0.42	0.00	0.00	0.42	0.42
2004	Incidental	ngf.	Other ngf.	Twoline eelpout	0.01	0.00	0.00	0.01	0.01
2004	Incidental	ngf.	Other ngf.	Urchin, unid.	1.02	0.00	0.00	1.02	1.02
2004	Incidental	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Walleye pollock	0.21	0.00	0.00	0.21	0.21
2004	Incidental	ngf.	Other ngf.	Warty poacher	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	White croaker	27.88	0.00	0.00	27.88	27.88
2004	Incidental	ngf.	Other ngf.	White sea bass	142.01	0.00	0.00	142.01	142.01
2004	Incidental	ngf.	Other ngf.	White sturgeon	0.04	0.00	0.00	0.04	0.04
2004	Incidental	ngf.	Other ngf.	Wolf-eel	0.25	0.00	0.00	0.25	0.25
2004	Incidental	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.00	0.00	0.00	0.00
2004	Incidental	ngf.	Other ngf.	Yellowfin tuna	154.56	0.00	0.00	154.56	154.56
2004	Incidental	ngf.	Other ngf.	Yellowtail amberjack	21.14	0.00	0.00	21.14	21.14
2004	Incidental	ngf.	Shared ECS	Smelt, unid.	173.79	0.00	0.00	173.79	173.79
2004	Incidental	ngf.	Tanner crab	Tanner crab, unid.	1.00	0.00	0.00	1.00	1.00
2004	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	0.06	0.00	0.00	0.06	0.06
2004	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Big skate	Big skate	0.00	42.44	21.22	42.44	21.22
2004	LE CA Halibut	gf.	Black rf. (CA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.08	0.01	0.01	0.10	0.10
2004	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.50	32.55	32.55	33.05	33.05
2004	LE CA Halibut	gf.	Darkblotched rf.	Darkblotched rf.	0.14	0.00	0.00	0.14	0.14
2004	LE CA Halibut	gf.	Dover sole	Dover sole	0.96	0.12	0.12	1.09	1.09
2004	LE CA Halibut	gf.	ECS	CA skate	0.00	12.19	12.19	12.19	12.19
2004	LE CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.06	0.06	0.06	0.06
2004	LE CA Halibut	gf.	ECS	Soupfin shark	0.27	0.22	0.22	0.49	0.49
2004	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.68	0.68	0.68	0.68
2004	LE CA Halibut	gf.	English sole	English sole	5.43	6.24	6.24	11.67	11.67
2004	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	1.90	0.55	0.28	2.46	2.18
2004	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	1.44	0.72	1.44	0.72
2004	LE CA Halibut	gf.	LST (N of 34°27')	LST	0.13	0.00	0.00	0.13	0.13
2004	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.04	0.04	0.04	0.04
2004	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.03	0.03	0.03	0.03
2004	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.09	0.00	0.00	0.09	0.09
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.30	0.00	0.00	0.30	0.30
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2004	LE CA Halibut	gf.	Mixed thornyheads	SST/LST	0.10	0.00	0.00	0.10	0.10
2004	LE CA Halibut	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.30	14.96	14.96	15.26	15.26
2004	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.33	0.00	0.00	0.33	0.33
2004	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	20.74	6.52	6.52	27.26	27.26
2004	LE CA Halibut	gf.	Other flatfish	Rex sole	1.06	0.44	0.44	1.50	1.50
2004	LE CA Halibut	gf.	Other flatfish	Rock sole	7.61	2.23	2.23	9.83	9.83
2004	LE CA Halibut	gf.	Other flatfish	Sand sole	15.17	0.97	0.97	16.15	16.15
2004	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	1.01	1.01	1.01	1.01
2004	LE CA Halibut	gf.	Other gf.	Greenling, unid.	0.00	0.03	0.03	0.03	0.03
2004	LE CA Halibut	gf.	Other gf.	Leopard shark	0.61	0.82	0.82	1.43	1.43
2004	LE CA Halibut	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.00	4.07	4.07	4.07	4.07
2004	LE CA Halibut	gf.	Petrale sole	Petrale sole	20.71	2.68	2.68	23.39	23.39
2004	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	0.67	0.18	0.09	0.85	0.76
2004	LE CA Halibut	gf.	Shortbelly rf.	Shortbelly rf.	0.05	0.00	0.00	0.05	0.05
2004	LE CA Halibut	gf.	SST (N of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2004	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	9.60	2.96	2.96	12.56	12.56
2004	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.90	0.00	0.00	0.90	0.90
2004	LE CA Halibut	gf.	Starry flounder	Starry flounder	15.82	1.47	1.47	17.29	17.29
2004	LE CA Halibut	gf.	Widow rf.	Widow rf.	0.42	0.00	0.00	0.42	0.42
2004	LE CA Halibut	ngf.	CA halibut	CA halibut	136.33	4.56	4.56	140.89	140.89
2004	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	126.85	126.85	126.85	126.85
2004	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.02	0.02	0.02	0.02
2004	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.07	0.81	0.81	0.88	0.88
2004	LE CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.02	0.02	0.02	0.02
2004	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.33	0.33	0.33	0.33
2004	LE CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08
2004	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	12.95	12.95	12.95	12.95
2004	LE CA Halibut	ngf.	Other ngf.	Brown box crab	0.00	0.69	0.69	0.69	0.69
2004	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.57	2.57	2.57	2.57
2004	LE CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2004	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.07	0.00	0.00	0.07	0.07
2004	LE CA Halibut	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Gray smoothhound shark	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	8.18	8.18	8.18	8.18
2004	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	337.50	337.50	337.50	337.50
2004	LE CA Halibut	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2004	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.12	0.12	0.12	0.12
2004	LE CA Halibut	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.13	0.00	0.00	0.13	0.13
2004	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.02	0.02	0.02	0.02
2004	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.81	0.81	0.81	0.81
2004	LE CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.02	0.02	0.02	0.02
2004	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.06	0.06	0.06	0.06
2004	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.12	0.12	0.12	0.12
2004	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.76	0.76	0.76	0.76
2004	LE CA Halibut	ngf.	Other ngf.	Roughback sculpin	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.14	0.14	0.14	0.14
2004	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.76	0.76	0.76	0.76
2004	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.26	0.26	0.26	0.26
2004	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.05	0.00	0.00	0.05	0.05

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Showy snailfish	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	2.50	26.51	26.51	29.01	29.01
2004	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2004	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.04	0.04
2004	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	1.99	1.99	1.99	1.99
2004	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	1.30	1.30	1.30	1.30
2004	LE CA Halibut	ngf.	Other ngf.	Sturgeon, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.04	0.04	0.04	0.04
2004	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.06	0.06	0.06	0.06
2004	LE CA Halibut	ngf.	Other ngf.	Threadfin sculpin	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Other ngf.	White croaker	0.20	0.48	0.48	0.68	0.68
2004	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.65	0.00	0.00	0.65	0.65
2004	LE CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.94	0.94	0.94	0.94
2004	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.07	0.07	0.07	0.07
2004	LE CA Halibut	ngf.	Shared ECS	Round herring	0.00	0.01	0.01	0.01	0.01
2004	LE CA Halibut	ngf.	Shared ECS	Smelt, unid.	0.10	0.00	0.00	0.10	0.10
2004	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.72	0.00	0.00	1.72	1.72
2004	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.24	0.00	0.00	2.24	2.24
2004	LE FG DTL – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.05	0.05	0.05	0.05
2004	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.96	2.51	2.51	3.47	3.47
2004	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	0.09	0.09	0.09	0.09
2004	LE FG DTL – H&L	gf.	ECS	CA skate	0.00	0.04	0.04	0.04	0.04
2004	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	11.75	0.20	0.20	11.94	11.94
2004	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	4.38	4.38	4.38	4.38
2004	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.18	0.18	0.18	0.18
2004	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2004	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.62	0.00	0.00	0.62	0.62
2004	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	25.80	12.90	25.80	12.90
2004	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	0.35	0.00	0.00	0.35	0.35
2004	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	7.52	6.38	6.38	13.90	13.90
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.09	0.00	0.00	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.05	0.00	0.00	0.05	0.05
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Chameleon rf.	0.01	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.18	0.00	0.00	0.18	0.18
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.30	0.00	0.00	0.30	0.30
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.15	0.00	0.00	0.15	0.15
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.23	0.00	0.00	0.23	0.23
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.12	0.00	0.00	0.12	0.12
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.27	0.00	0.00	0.27	0.27
2004	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.29	0.00	0.00	0.29	0.29
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.06	0.00	0.00	1.06	1.06
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.15	0.00	0.00	0.15	0.15
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.71	0.03	0.03	0.74	0.74
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	38.76	0.84	0.84	39.60	39.60
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.69	0.00	0.00	0.69	0.69
2004	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.66	0.00	0.00	0.66	0.66
2004	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	22.35	0.00	0.00	22.35	22.35
2004	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.38	0.00	0.00	0.38	0.38
2004	LE FG DTL – H&L	gf.	Other flatfish	Rex sole	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	1.78	0.00	0.00	1.78	1.78
2004	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.76	0.00	0.00	0.76	0.76
2004	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.31	0.94	0.94	1.25	1.25
2004	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	85.05	1.18	0.24	86.22	85.28
2004	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	76.04	5.73	1.15	81.77	77.18
2004	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	18.50	0.00	0.00	18.50	18.50
2004	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	104.06	31.24	31.24	135.31	135.31
2004	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	20.29	2.58	1.29	22.88	21.59
2004	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.06	0.02	0.02	0.07	0.07
2004	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.09	0.00	0.00	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.06	0.00	0.00	0.06	0.06
2004	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	ngf.	Other ngf.	Bat ray	0.00	0.05	0.05	0.05	0.05
2004	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2004	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	3.49	3.49	3.49	3.49
2004	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.75	0.25	0.25	1.00	1.00
2004	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	5.85	5.85	5.85	5.85
2004	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.05	0.00	0.00	0.05	0.05
2004	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.39	0.00	0.00	0.39	0.39
2004	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.01	0.01
2004	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.40	0.40	0.40	0.40
2004	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.10	0.10	0.10	0.10
2004	LE FG DTL – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.17	0.17	0.17	0.17
2004	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.05	0.05	0.05	0.05
2004	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.10	0.00	0.00	0.10	0.10
2004	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.03	0.04	0.04	0.07	0.07
2004	LE FG DTL – H&L	ngf.	Other ngf.	Pacific electric ray	0.00	0.36	0.36	0.36	0.36
2004	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.08	0.00	0.00	0.08	0.08
2004	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.71	0.71	0.71	0.71
2004	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.03	0.03	0.03	0.03
2004	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.06	0.06	0.06	0.06
2004	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.04	0.04	0.04	0.04
2004	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	28.27	28.27	28.27	28.27
2004	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.07	0.07	0.07	0.07
2004	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	1.11	0.31	0.31	1.41	1.41
2004	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE FG DTL – H&L	ngf.	Other ngf.	Spot prawn	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.15	0.00	0.00	0.15	0.15
2004	LE FG DTL – H&L	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2004	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.10	0.00	0.00	0.10	0.10
2004	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.08	0.00	0.00	0.08	0.08
2004	LE FG DTL – H&L	ngf.	Shared ECS	Smelt, unid.	0.03	0.00	0.00	0.03	0.03
2004	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.01	0.01	0.01	0.01
2004	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.03	0.01	0.01	0.03	0.03
2004	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.11	0.00	0.00	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.05	0.05	0.05	0.05
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.07	0.00	0.00	0.07	0.07
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2004	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	11.16	4.52	0.90	15.69	12.07
2004	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.01	0.01
2004	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	2.39	0.00	0.00	2.39	2.39
2004	LE FG DTL – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.02	0.00	0.02	0.00
2004	LE FG DTL – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.03	0.03	0.03	0.03
2004	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.77	18.63	18.63	19.40	19.40
2004	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	0.83	0.83	0.83	0.83
2004	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.03	5.25	5.25	5.28	5.28
2004	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.38	0.26	0.26	0.64	0.64
2004	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.65	0.73	0.73	1.38	1.38
2004	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.10	0.10	0.10	0.10
2004	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.79	0.79	0.79	0.79
2004	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	9.79	1.23	1.23	11.02	11.02
2004	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.05	0.05	0.05	0.05
2004	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	0.51	0.51	0.51	0.51
2004	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.48	0.48	0.48	0.48
2004	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.47	2.47	2.47	2.47
2004	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	4.38	4.10	0.29	8.48	4.67
2004	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.32	0.00	0.00	0.32	0.32
2004	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	35.45	17.72	35.45	17.72
2004	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.54	0.04	0.04	0.58	0.58
2004	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.17	0.17	0.17	0.17
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.04	0.04	0.05	0.05
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.33	0.33	0.33	0.33

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.04	0.04	0.04	0.04
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.02	0.02	0.02	0.02
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.95	4.48	4.48	5.43	5.43
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.00	0.00	0.02	0.02
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.30	0.30	0.33	0.33
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.07	0.27	0.27	0.34	0.34
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	5.03	5.03	5.03	5.03
2004	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.05	0.00	0.00	0.05	0.05
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.03	0.03	0.03	0.03
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.54	0.00	0.00	0.54	0.54
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.20	4.58	4.58	13.78	13.78
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	14.71	5.34	5.34	20.05	20.05
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	3.36	0.08	0.08	3.45	3.45
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.37	0.37	0.37	0.37
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	3.52	0.04	0.04	3.56	3.56
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.04	0.04	0.04	0.04
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.11	0.03	0.03	2.14	2.14
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.24	0.00	0.00	0.24	0.24
2004	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	3.37	0.00	0.00	3.37	3.37
2004	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	1.62	0.01	0.01	1.63	1.63
2004	LE Sablefish – H&L	gf.	Other flatfish	Flathead sole	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	3.87	7.96	7.96	11.83	11.83
2004	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.37	0.37	0.37	0.37
2004	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.98	0.02	0.02	1.00	1.00
2004	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	1.02	0.02	0.02	1.05	1.05
2004	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1318.09	158.09	31.62	1476.18	1349.71
2004	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	10.56	1.33	1.33	11.89	11.89
2004	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	69.56	132.24	66.12	201.80	135.68
2004	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.09	1.09	1.09	1.09
2004	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.24	0.63	0.63	1.87	1.87
2004	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.03	0.03	0.03	0.03
2004	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.15	0.00	0.00	0.15	0.15
2004	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	27.96	27.96	27.96	27.96
2004	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.62	1.62	1.62	1.62
2004	LE Sablefish – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE Sablefish – H&L	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2004	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2004	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.08	0.08	0.08	0.08
2004	LE Sablefish – H&L	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Other ngf.	Market squid	0.27	0.00	0.00	0.27	0.27
2004	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	39.24	205.97	32.96	245.21	72.20
2004	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.12	0.12	0.12	0.12
2004	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.47	0.47	0.47	0.47
2004	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	22.36	22.36	22.36	22.36
2004	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	12.64	22.25	22.25	34.89	34.89
2004	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.02	0.02	0.02	0.02
2004	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.28	0.22	0.22	0.50	0.50
2004	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.05	0.05	0.07	0.07
2004	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.64	0.14	0.14	0.77	0.77
2004	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.29	0.72	0.72	3.01	3.01
2004	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.27	1.34	1.34	1.61	1.61
2004	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2004	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.18	0.00	0.00	0.18	0.18
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.07	0.05	0.05	0.12	0.12
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.21	0.00	0.00	2.21	2.21
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.91	0.00	0.00	0.91	0.91
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.18	0.18	0.18	0.18
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.04	0.04	0.04	0.04
2004	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.97	0.00	0.00	0.97	0.97
2004	LE Sablefish – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.01	0.01	0.02	0.02
2004	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	619.60	326.96	65.39	946.56	684.99
2004	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.40	0.00	0.00	0.41	0.41
2004	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.03	0.03	0.03	0.03
2004	LE Sablefish – Pot	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2004	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2004	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.54	0.00	0.00	0.54	0.54
2004	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.13	0.13	0.13	0.13
2004	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.06	0.00	0.00	0.06	0.06
2004	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.32	0.32	0.32	0.32
2004	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	32.60	5.87	32.60	5.87
2004	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.10	0.00	0.00	0.10	0.10
2004	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Sablefish – Pot	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2004	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	1246.61	512.22	512.22	1758.83	1758.83
2004	LE Trawl	gf.	Big skate	Big skate	0.00	136.43	68.22	136.43	68.22
2004	LE Trawl	gf.	Black rf. (CA)	Black rf.	1.11	0.00	0.00	1.11	1.11
2004	LE Trawl	gf.	Black rf. (OR)	Black rf.	1.41	0.00	0.00	1.41	1.41
2004	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.06	0.15	0.15	0.22	0.22
2004	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	3.70	8.61	8.61	12.31	12.31
2004	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.03	0.00	0.00	0.03	0.03
2004	LE Trawl	gf.	Canary rf.	Canary rf.	5.07	7.57	7.57	12.63	12.63
2004	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	28.47	22.43	22.43	50.91	50.91
2004	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.72	0.72	0.72	0.72
2004	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	178.69	29.05	29.05	207.74	207.74
2004	LE Trawl	gf.	Dover sole	Dover sole	6552.99	404.55	404.55	6957.54	6957.54
2004	LE Trawl	gf.	ECS	Black skate	0.00	18.53	18.53	18.53	18.53
2004	LE Trawl	gf.	ECS	CA skate	0.00	10.43	10.43	10.43	10.43
2004	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.76	0.76	0.76	0.76
2004	LE Trawl	gf.	ECS	Giant grenadier	0.00	127.56	127.56	127.56	127.56
2004	LE Trawl	gf.	ECS	Grenadier, unid.	107.85	156.33	156.33	264.17	264.17

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	gf.	ECS	Pacific flatnose	0.00	11.03	11.03	11.03	11.03
2004	LE Trawl	gf.	ECS	Pacific grenadier	0.00	65.37	65.37	65.37	65.37
2004	LE Trawl	gf.	ECS	Popeye grenadier	0.00	1.47	1.47	1.47	1.47
2004	LE Trawl	gf.	ECS	Sandpaper skate	0.00	63.17	63.17	63.17	63.17
2004	LE Trawl	gf.	ECS	Soupfin shark	1.03	0.23	0.23	1.26	1.26
2004	LE Trawl	gf.	ECS	Spotted ratfish	0.00	191.13	191.13	191.13	191.13
2004	LE Trawl	gf.	ECS	White skate	0.00	0.40	0.40	0.40	0.40
2004	LE Trawl	gf.	English sole	English sole	809.71	169.56	169.56	979.27	979.27
2004	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	44.36	116.36	58.18	160.72	102.54
2004	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	7.52	27.97	13.99	35.49	21.51
2004	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	373.40	186.70	373.40	186.70
2004	LE Trawl	gf.	LST (N of 34°27')	LST	679.22	113.97	113.97	793.19	793.19
2004	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.38	0.01	0.01	0.39	0.39
2004	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2004	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.33	0.00	0.00	0.33	0.33
2004	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.13	0.13	0.13	0.13
2004	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.49	1.02	1.02	1.51	1.51
2004	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.13	0.02	0.02	0.15	0.15
2004	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.05	0.00	0.00	0.05	0.05
2004	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.27	0.28	0.28	0.55	0.55
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.72	3.63	3.63	5.35	5.35
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.13	0.13	0.13	0.13
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	1.20	12.19	12.19	13.39	13.39
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.19	0.14	0.14	0.33	0.33
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.10	4.55	4.55	4.65	4.65
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.15	0.15	0.15	0.15
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.64	0.02	0.02	1.66	1.66
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.13	1.18	1.18	1.31	1.31
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	4.26	4.26	4.26	4.26
2004	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.03	0.00	0.00	0.03	0.03
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.03	0.03	0.03	0.06	0.06
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.23	0.15	0.15	0.38	0.38
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.89	0.89	0.89	0.89
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.04	0.04	0.04	0.04
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.02	0.16	0.16	0.18	0.18

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.53	0.53	0.53	0.53
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.11	0.00	0.00	0.11	0.11
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.80	0.80	0.84	0.84
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	8.70	8.70	8.70	8.70
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.13	0.01	0.01	0.14	0.14
2004	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.08	0.75	0.75	0.83	0.83
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	22.54	6.72	6.72	29.26	29.26
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	3.36	0.07	0.07	3.42	3.42
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.43	2.25	2.25	4.68	4.68
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.99	3.66	3.66	13.65	13.65
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	56.48	1.69	1.69	58.17	58.17
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	22.89	6.32	6.32	29.21	29.21
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	13.74	0.51	0.51	14.26	14.26
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	3.74	1.38	1.38	5.11	5.11
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	19.60	52.41	52.41	72.01	72.01
2004	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	10.59	0.00	0.00	10.59	10.59
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	45.82	5.88	5.88	51.69	51.69
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	108.99	0.68	0.68	109.67	109.67
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	79.36	1.13	1.13	80.50	80.50
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	1.24	0.00	0.00	1.24	1.24
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.58	0.26	0.26	0.84	0.84
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.08	0.00	0.00	0.08	0.08
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.66	0.66	0.66	0.66
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.69	1.55	1.55	2.24	2.24
2004	LE Trawl	gf.	Mixed thornyheads	SST/LST	0.69	122.99	122.99	123.68	123.68
2004	LE Trawl	gf.	Other flatfish	Butter sole	0.27	3.73	3.73	4.00	4.00
2004	LE Trawl	gf.	Other flatfish	Curlfin sole	1.51	7.10	7.10	8.62	8.62
2004	LE Trawl	gf.	Other flatfish	Flatfish, unid.	5.91	7.03	7.03	12.94	12.94
2004	LE Trawl	gf.	Other flatfish	Flathead sole	33.22	43.86	43.86	77.08	77.08
2004	LE Trawl	gf.	Other flatfish	Pacific sanddab	441.51	153.37	153.37	594.88	594.88
2004	LE Trawl	gf.	Other flatfish	Rex sole	533.53	98.55	98.55	632.09	632.09
2004	LE Trawl	gf.	Other flatfish	Rock sole	12.92	4.40	4.40	17.32	17.32
2004	LE Trawl	gf.	Other flatfish	Sand sole	128.86	5.69	5.69	134.55	134.55

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	gf.	Other flatfish	Sanddab, unid.	10.02	72.47	72.47	82.49	82.49
2004	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.05	0.05	0.05	0.05
2004	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.11	0.11	0.11	0.11
2004	LE Trawl	gf.	Other gf.	Leopard shark	0.03	0.00	0.00	0.03	0.03
2004	LE Trawl	gf.	Other gf.	Whitespotted greenling	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	gf.	Other rf.	Rockfish, unid.	4.23	0.00	0.00	4.23	4.23
2004	LE Trawl	gf.	Pacific cod	Pacific cod	825.43	3.80	3.80	829.24	829.24
2004	LE Trawl	gf.	Pacific hake	Pacific hake	21.18	2677.05	2677.05	2698.24	2698.24
2004	LE Trawl	gf.	POP (N of 40°10')	POP	109.58	22.24	22.24	131.82	131.82
2004	LE Trawl	gf.	Petrale sole	Petrale sole	1744.43	60.78	60.78	1805.21	1805.21
2004	LE Trawl	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.11	0.11	0.11	0.11
2004	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2104.98	687.22	343.61	2792.20	2448.59
2004	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	78.24	23.42	11.71	101.65	89.94
2004	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.22	5.05	5.05	5.27	5.27
2004	LE Trawl	gf.	SST (N of 34°27')	SST	598.49	113.92	113.92	712.41	712.41
2004	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	57.25	569.38	569.38	626.63	626.63
2004	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	152.29	81.85	81.85	234.14	234.14
2004	LE Trawl	gf.	Starry flounder	Starry flounder	77.13	38.41	38.41	115.54	115.54
2004	LE Trawl	gf.	Widow rf.	Widow rf.	7.83	5.24	5.24	13.07	13.07
2004	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.15	0.17	0.17	0.32	0.32
2004	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	75.18	7.50	7.50	82.68	82.68
2004	LE Trawl	ngf.	CA halibut	CA halibut	3.94	0.00	0.00	3.94	3.94
2004	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.00	302.16	302.16	302.16	302.16
2004	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	4.65	26.90	26.90	31.55	31.55
2004	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.05	0.18	0.18	0.23	0.23
2004	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	1.18	14.42	14.42	15.60	15.60
2004	LE Trawl	ngf.	Other ngf.	American shad	0.00	30.33	30.33	30.33	30.33
2004	LE Trawl	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	64.53	64.53	64.53	64.53
2004	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	0.52	0.52	0.52	0.52
2004	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Bat ray	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	5.60	5.60	5.60	5.60
2004	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.05	0.05	0.05	0.05
2004	LE Trawl	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.04	0.04	0.04	0.04
2004	LE Trawl	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Blacktail snailfish	0.00	0.11	0.11	0.11	0.11
2004	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.18	0.18	0.18	0.18
2004	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	3.24	3.24	3.24	3.24
2004	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	3.98	3.98	3.98	3.98
2004	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	42.90	42.90	42.90	42.90
2004	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.24	0.24	0.24	0.24
2004	LE Trawl	ngf.	Other ngf.	Buffalo sculpin	0.00	0.26	0.26	0.26	0.26
2004	LE Trawl	ngf.	Other ngf.	CA barracuda	0.04	0.00	0.00	0.04	0.04
2004	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	23.58	23.58	23.58	23.58
2004	LE Trawl	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	0.53	0.53	0.53	0.53
2004	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	2.92	2.92	2.92	2.92
2004	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	24.50	24.50	24.50	24.50
2004	LE Trawl	ngf.	Other ngf.	Crested bigscale	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.08	0.00	0.00	0.08	0.08
2004	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Deepbody anchovy	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	17.84	17.84	17.84	17.84
2004	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	2.20	2.20	2.20	2.20
2004	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	0.52	0.52	0.52	0.52
2004	LE Trawl	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.05	0.05	0.05	0.05
2004	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.64	0.64	0.64	0.64
2004	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	30.80	30.80	30.80	30.80
2004	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.59	0.59	0.59	0.59
2004	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	7.04	7.04	7.04	7.04
2004	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	1.19	1.19	1.19	1.19
2004	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.14	0.14	0.14	0.14
2004	LE Trawl	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Market squid	4.04	0.00	0.00	4.04	4.04
2004	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.31	0.31	0.31	0.31
2004	LE Trawl	ngf.	Other ngf.	Mixed species	0.72	0.00	0.00	0.72	0.72
2004	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.38	0.38	0.38	0.38
2004	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Octopus, unid.	2.73	5.62	5.62	8.35	8.35
2004	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	3.29	3.29	3.29	3.29
2004	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.25	0.25	0.25	0.25
2004	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Pacific sandfish	0.00	0.17	0.17	0.17	0.17
2004	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.56	0.56	0.56	0.56
2004	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.86	1.86	1.86	1.86
2004	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.78	0.78	0.78	0.78
2004	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.26	0.25	0.25	0.50	0.50
2004	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.04	0.04	0.04	0.04
2004	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.08	0.08	0.08	0.08
2004	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.30	0.30	0.30	0.30
2004	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.07	0.07	0.07	0.07
2004	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.66	0.66	0.66	0.66
2004	LE Trawl	ngf.	Other ngf.	Ray, unid.	0.00	0.26	0.26	0.26	0.26
2004	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.03	0.03	0.03	0.03
2004	LE Trawl	ngf.	Other ngf.	Redtail surfperch	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.24	0.24	0.24	0.24
2004	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	2.38	2.38	2.38	2.38
2004	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.79	1.79	1.79	1.79

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	1.02	1.02	1.02	1.02
2004	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	44.19	44.19	44.19	44.19
2004	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.29	0.29	0.29	0.29
2004	LE Trawl	ngf.	Other ngf.	Shark, unid.	3.94	22.98	22.98	26.92	26.92
2004	LE Trawl	ngf.	Other ngf.	Sheep crab	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.05	0.05	0.05	0.05
2004	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Skate, unid.	607.63	229.19	229.19	836.82	836.82
2004	LE Trawl	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	4.42	4.42	4.42	4.42
2004	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	1.07	1.07	1.07	1.07
2004	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Specklefin midshipman	0.00	0.01	0.01	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	4.93	4.93	4.93	4.93
2004	LE Trawl	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.20	0.20	0.20	0.20
2004	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Squid, unid.	1.54	73.53	73.53	75.06	75.06
2004	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.32	0.32	0.32	0.32
2004	LE Trawl	ngf.	Other ngf.	Stony coral	0.00	0.33	0.33	0.33	0.33
2004	LE Trawl	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.09	0.09	0.09	0.09
2004	LE Trawl	ngf.	Other ngf.	Swell shark	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.14	0.14	0.14	0.14
2004	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	0.23	0.23	0.23	0.23
2004	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	4.28	4.28	4.28	4.28
2004	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	4.89	4.89	4.89	4.89
2004	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Other ngf.	Walleye pollock	4.14	4.53	4.53	8.67	8.67
2004	LE Trawl	ngf.	Other ngf.	White croaker	0.54	0.26	0.26	0.80	0.80
2004	LE Trawl	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2004	LE Trawl	ngf.	Other ngf.	White sturgeon	0.06	0.00	0.00	0.06	0.06
2004	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.37	0.38	0.38	0.75	0.75
2004	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.06	0.06	0.06	0.06
2004	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02
2004	LE Trawl	ngf.	Other ngf.	Yellowfin tuna	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.84	0.01	0.01	0.85	0.85
2004	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	4.35	4.35	4.35	4.35
2004	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	81.05	81.05	81.05	81.05
2004	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	191.26	191.26	191.26	191.26
2004	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Big skate	Big skate	0.00	0.09	0.01	0.09	0.01
2004	Nearshore	gf.	Black rf. (CA)	Black rf.	66.79	1.74	0.78	68.53	67.57
2004	Nearshore	gf.	Black rf. (OR)	Black rf.	115.52	2.12	0.45	117.64	115.97
2004	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.33	0.18	0.16	1.51	1.50
2004	Nearshore	gf.	Cabezon (CA)	Cabezon	49.49	14.61	1.02	64.11	50.52
2004	Nearshore	gf.	Cabezon (OR)	Cabezon	26.96	3.51	0.25	30.47	27.20
2004	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.90	0.51	0.04	2.41	1.93
2004	Nearshore	gf.	Canary rf.	Canary rf.	0.02	6.03	3.57	6.05	3.59
2004	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.18	0.00	0.00	0.18	0.18
2004	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.00	0.00	0.10	0.10
2004	Nearshore	gf.	ECS	CA skate	0.02	0.00	0.00	0.02	0.02
2004	Nearshore	gf.	ECS	Soupfin shark	0.22	0.00	0.00	0.22	0.22
2004	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.77	0.05	0.77	0.05
2004	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	36.88	26.27	1.84	63.14	38.71
2004	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	26.33	18.40	1.29	44.73	27.62
2004	Nearshore	gf.	Longnose skate	Longnose skate	0.00	0.22	0.02	0.22	0.02
2004	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	LST (S of 34°27')	LST	0.06	0.00	0.00	0.06	0.06
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.08	0.00	0.00	0.08	0.08
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	12.21	3.52	1.16	15.73	13.37
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.29	0.00	0.00	0.29	0.29
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	7.28	0.54	0.16	7.83	7.44
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.84	0.01	0.00	1.85	1.84
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.04	0.01	0.00	0.04	0.04
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.85	0.00	0.00	0.85	0.85
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.27	0.00	0.00	0.27	0.27
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.13	0.13	0.05	2.26	2.18
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	10.27	1.61	0.88	11.88	11.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	5.93	7.08	4.99	13.01	10.92
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	24.07	1.73	1.14	25.80	25.21
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.03	0.02	0.03	0.02
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.96	0.61	0.39	2.57	2.35
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	3.93	0.98	0.87	4.91	4.80
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	15.70	2.73	1.78	18.43	17.48
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	13.48	0.41	0.24	13.89	13.73
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.95	0.47	0.28	1.42	1.23
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	4.73	0.00	0.00	4.73	4.73
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.02	0.76	0.58	1.79	1.60
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.48	0.01	0.01	0.49	0.49
2004	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.71	0.43	0.26	1.14	0.96
2004	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2004	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2004	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.03	0.00	0.00	0.03	0.03
2004	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	2.64	0.17	0.08	2.81	2.71
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.02	0.02	0.03	0.03
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.23	0.23	0.25	0.25
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.03	0.03	0.03	0.03
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.06	0.06	0.06	0.06
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.39	0.39	0.39	0.39
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.05	0.02	0.02	0.06	0.06
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.04	0.04	0.05	0.05
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.92	0.00	0.00	0.92	0.92
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.95	0.95	0.95	0.95
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.05	0.00	0.00	0.05	0.05
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	9.19	0.76	0.68	9.95	9.88
2004	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.63	0.06	0.04	0.69	0.67
2004	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2004	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.05	0.00	0.00	0.05	0.05
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.20	0.00	0.00	3.20	3.20
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	POP	0.05	0.00	0.00	0.05	0.05
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.15	0.00	0.00	0.15	0.15
2004	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.24	0.00	0.00	0.24	0.24
2004	Nearshore	gf.	Mixed thornyheads	SST/LST	0.20	0.00	0.00	0.20	0.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.06	0.00	0.00	0.06	0.06
2004	Nearshore	gf.	Other flatfish	Pacific sanddab	0.00	0.04	0.00	0.04	0.00
2004	Nearshore	gf.	Other flatfish	Rock sole	0.02	0.05	0.00	0.07	0.02
2004	Nearshore	gf.	Other flatfish	Sand sole	0.06	0.00	0.00	0.06	0.06
2004	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.10	0.00	0.00	0.10	0.10
2004	Nearshore	gf.	Other gf.	Greenling, unid.	0.00	1.34	0.09	1.34	0.09
2004	Nearshore	gf.	Other gf.	Kelp greenling (CA)	2.08	7.60	0.53	9.68	2.61
2004	Nearshore	gf.	Other gf.	Kelp greenling (OR)	22.94	1.13	0.08	24.08	23.02
2004	Nearshore	gf.	Other gf.	Leopard shark	0.20	0.21	0.01	0.41	0.21
2004	Nearshore	gf.	Other rf.	Rockfish, unid.	3.88	0.00	0.00	3.88	3.88
2004	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.01	0.00	0.01	0.00
2004	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	2.01	0.00	0.00	2.01	2.01
2004	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	1.04	0.00	0.00	1.04	1.04
2004	Nearshore	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.51	0.04	0.51	0.04
2004	Nearshore	gf.	Starry flounder	Starry flounder	0.03	0.00	0.00	0.03	0.03
2004	Nearshore	gf.	Widow rf.	Widow rf.	0.10	0.01	0.01	0.11	0.10
2004	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.90	0.93	1.90	0.93
2004	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.19	0.97	0.25	2.15	1.43
2004	Nearshore	ngf.	CA halibut	CA halibut	2.67	0.02	0.02	2.69	2.69
2004	Nearshore	ngf.	Dungeness crab	Dungeness crab	12.70	0.07	0.07	12.77	12.77
2004	Nearshore	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.18	0.18	0.18	0.18
2004	Nearshore	ngf.	Other ngf.	Albacore tuna	0.36	0.00	0.00	0.36	0.36
2004	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	4.12	4.12	4.12	4.12
2004	Nearshore	ngf.	Other ngf.	Bat ray	0.00	0.77	0.77	0.77	0.77
2004	Nearshore	ngf.	Other ngf.	Black croaker	0.00	0.02	0.02	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	12.52	12.52	12.52	12.52
2004	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.23	0.23	0.23	0.23
2004	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.24	0.00	0.00	0.24	0.24
2004	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.04	0.04	0.04	0.04
2004	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.05	0.05	0.05	0.05
2004	Nearshore	ngf.	Other ngf.	CA barracuda	0.39	0.00	0.00	0.39	0.39
2004	Nearshore	ngf.	Other ngf.	CA moray	0.00	0.54	0.54	0.54	0.54

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Nearshore	ngf.	Other ngf.	CA sheephead	39.05	51.25	51.25	90.30	90.30
2004	Nearshore	ngf.	Other ngf.	CA spiny lobster	1.11	0.00	0.00	1.11	1.11
2004	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Crab, unid.	2.19	0.09	0.09	2.28	2.28
2004	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.33	0.03	0.03	0.36	0.36
2004	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.05	0.05	0.05	0.05
2004	Nearshore	ngf.	Other ngf.	Eel, unid.	0.02	0.00	0.00	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Finescale triggerfish	0.00	0.15	0.15	0.15	0.15
2004	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.13	0.13	0.13	0.13
2004	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.77	0.77	0.77	0.77
2004	Nearshore	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Gray smoothhound shark	0.00	0.02	0.02	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.16	0.16	0.16	0.16
2004	Nearshore	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.11	0.11	0.11	0.11
2004	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	25.18	25.18	25.18	25.18
2004	Nearshore	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.02	0.02	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Kelp surfperch	0.00	0.01	0.01	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.02	0.02	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2004	Nearshore	ngf.	Other ngf.	Masking crab	0.00	0.06	0.06	0.06	0.06
2004	Nearshore	ngf.	Other ngf.	Mixed species	1.31	0.00	0.00	1.31	1.31
2004	Nearshore	ngf.	Other ngf.	Mollusc, unid.	0.21	0.08	0.08	0.29	0.29
2004	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.04	0.02	0.02	0.06	0.06
2004	Nearshore	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	1.42	1.42	1.42	1.42
2004	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.96	0.01	0.01	0.96	0.96
2004	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.04	0.04	0.04	0.04
2004	Nearshore	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	PHLB	0.00	1.00	1.00	1.00	1.00
2004	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.15	0.00	0.00	0.15	0.15
2004	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	1.63	1.63	1.63	1.63
2004	Nearshore	ngf.	Other ngf.	Pacific sardine	0.07	0.00	0.00	0.07	0.07
2004	Nearshore	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.09	0.09	0.09	0.09

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.38	0.38	0.38	0.38
2004	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.06	0.06	0.06	0.06
2004	Nearshore	ngf.	Other ngf.	Red rock crab	11.70	0.83	0.83	12.53	12.53
2004	Nearshore	ngf.	Other ngf.	Red urchin	0.01	0.00	0.00	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Rock greenling	0.00	0.48	0.48	0.48	0.48
2004	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.17	0.17	0.17	0.17
2004	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.10	0.10	0.10	0.10
2004	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.16	0.16	0.16	0.16
2004	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.00	0.88	0.88	0.88	0.88
2004	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.23	0.23	0.23	0.23
2004	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.17	0.17	0.17	0.17
2004	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	24.59	24.59	24.59	24.59
2004	Nearshore	ngf.	Other ngf.	Señorita	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Shark, unid.	0.21	0.04	0.04	0.25	0.25
2004	Nearshore	ngf.	Other ngf.	Sheep crab	0.00	0.01	0.01	0.01	0.01
2004	Nearshore	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.52	0.52	0.52	0.52
2004	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.27	0.00	0.00	0.27	0.27
2004	Nearshore	ngf.	Other ngf.	Skate, unid.	0.13	0.00	0.00	0.13	0.13
2004	Nearshore	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.03	0.03	0.03	0.03
2004	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Spot prawn	4.03	0.00	0.00	4.03	4.03
2004	Nearshore	ngf.	Other ngf.	Spotted sand bass	0.00	0.22	0.22	0.22	0.22
2004	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.21	0.21	0.21	0.21
2004	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.16	0.18	0.18	0.34	0.34
2004	Nearshore	ngf.	Other ngf.	Swell shark	0.00	2.14	2.14	2.14	2.14
2004	Nearshore	ngf.	Other ngf.	Thornback	0.00	0.07	0.07	0.07	0.07
2004	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Walleye surfperch	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	White croaker	0.41	0.18	0.18	0.59	0.59
2004	Nearshore	ngf.	Other ngf.	White sea bass	0.75	0.00	0.00	0.75	0.75
2004	Nearshore	ngf.	Other ngf.	Wolf-eel	0.09	0.92	0.92	1.01	1.01
2004	Nearshore	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2004	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.20	0.00	0.00	0.20	0.20
2004	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.11	0.00	0.00	0.11	0.11
2004	OA CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.07	0.07	0.07	0.07
2004	OA CA Halibut	gf.	Big skate	Big skate	0.00	7.50	3.75	7.50	3.75
2004	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.15	0.15	0.15	0.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA CA Halibut	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	gf.	ECS	CA skate	0.00	25.13	25.13	25.13	25.13
2004	OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08
2004	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2004	OA CA Halibut	gf.	English sole	English sole	0.00	0.84	0.84	0.84	0.84
2004	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.27	0.13	0.30	0.17
2004	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	9.72	4.86	9.72	4.86
2004	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2004	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.03	4.29	4.29	4.32	4.32
2004	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.68	0.05	0.05	0.73	0.73
2004	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	1.13	8.00	8.00	9.13	9.13
2004	OA CA Halibut	gf.	Other flatfish	Rock sole	0.05	0.01	0.01	0.05	0.05
2004	OA CA Halibut	gf.	Other flatfish	Sand sole	1.74	0.07	0.07	1.81	1.81
2004	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	2.72	2.72	2.72	2.72
2004	OA CA Halibut	gf.	Other gf.	Leopard shark	0.00	0.16	0.16	0.16	0.16
2004	OA CA Halibut	gf.	Pacific hake	Pacific hake	0.00	4.14	4.14	4.14	4.14
2004	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.38	0.38	0.38	0.76	0.76
2004	OA CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	31.83	31.83	31.83	31.83
2004	OA CA Halibut	gf.	Starry flounder	Starry flounder	4.48	2.03	2.03	6.51	6.51
2004	OA CA Halibut	ngf.	CA halibut	CA halibut	70.79	7.13	7.13	77.92	77.92
2004	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	31.86	31.86	31.86	31.86
2004	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.02	0.02	0.02	0.02
2004	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.10	0.10	0.10	0.10
2004	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.12	0.12	0.12	0.12
2004	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2004	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.03	0.03	0.03	0.03
2004	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.03	0.03	0.03	0.03
2004	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	1.02	1.02	1.02	1.02
2004	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.11	0.11	0.11	0.11
2004	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.00	0.04	0.04	0.04	0.04
2004	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA CA Halibut	ngf.	Other ngf.	Filetail cat shark	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.06	0.06	0.06	0.06
2004	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	4.55	4.55	4.55	4.55
2004	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	7.11	7.11	7.11	7.11
2004	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	82.79	82.79	82.79	82.79
2004	OA CA Halibut	ngf.	Other ngf.	Kelp bass	0.00	0.06	0.06	0.06	0.06
2004	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.06	0.06	0.06	0.06
2004	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.05	0.05	0.05	0.05
2004	OA CA Halibut	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.05	0.05	0.05	0.05
2004	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.00	0.15	0.15	0.15	0.15
2004	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	6.23	6.23	6.23	6.23
2004	OA CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.68	0.68	0.68	0.68
2004	OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.10	0.10	0.10	0.10
2004	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.09	0.09	0.09	0.09
2004	OA CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.09	0.09	0.09	0.09
2004	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	1.16	1.16	1.16	1.16
2004	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2004	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	25.93	25.93	25.93	25.93
2004	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.03	0.04	0.04	0.06	0.06
2004	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.03	0.03	0.03	0.03
2004	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.35	0.35	0.35	0.35
2004	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.04	3.88	3.88	3.92	3.92
2004	OA CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.02	0.02	0.02	0.02
2004	OA CA Halibut	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2004	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.21	0.21	0.21	0.21
2004	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.06	0.06	0.06	0.06
2004	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.30	0.30	0.30	0.30
2004	OA CA Halibut	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	White croaker	0.00	0.05	0.05	0.05	0.05

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.26	0.00	0.00	0.26	0.26
2004	OA CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.04	0.04	0.04	0.04
2004	OA CA Halibut	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2004	OA CA Halibut	ngf.	Other ngf.	Yellowfin tuna	0.00	0.05	0.05	0.05	0.05
2004	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.03	0.17	0.17	0.20	0.20
2004	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.21	0.00	0.00	0.21	0.21
2004	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.08	0.00	0.00	0.08	0.08
2004	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.12	0.09	0.09	1.21	1.21
2004	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.06	0.00	0.00	0.06	0.06
2004	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.08	0.00	0.00	0.08	0.08
2004	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.02	0.02	0.02	0.04	0.04
2004	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.26	0.00	0.00	0.26	0.26
2004	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.40	0.59	0.59	0.98	0.98
2004	OA FG – H&L	gf.	Dover sole	Dover sole	0.13	0.29	0.29	0.42	0.42
2004	OA FG – H&L	gf.	ECS	Black skate	0.00	0.47	0.47	0.47	0.47
2004	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	3.64	3.64	3.64	3.64
2004	OA FG – H&L	gf.	ECS	Grenadier, unid.	50.29	4.22	4.22	54.51	54.51
2004	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	1.45	1.45	1.45	1.45
2004	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	0.12	0.12	0.12	0.12
2004	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.31	0.31	0.31	0.31
2004	OA FG – H&L	gf.	ECS	Soupfin shark	0.34	0.00	0.00	0.34	0.34
2004	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.51	0.51	0.51	0.51
2004	OA FG – H&L	gf.	English sole	English sole	0.16	0.00	0.00	0.16	0.16
2004	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	6.96	0.00	0.00	6.96	6.96
2004	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	6.41	1.07	0.08	7.48	6.48
2004	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	14.95	7.48	14.95	7.48
2004	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	1.14	1.14	1.14	1.14
2004	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.14	0.00	0.00	0.14	0.14

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.01	0.01	0.02	0.02
2004	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.03	0.03	0.05	0.05
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.05	0.00	0.00	0.05	0.05
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.04	0.01	0.01	0.05	0.05
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.07	0.00	0.00	0.07	0.07
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.21	0.00	0.00	0.21	0.21
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.05	0.00	0.00	0.05	0.05
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.52	0.00	0.00	1.52	1.52
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.03	0.03	0.04	0.04
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.71	0.01	0.01	1.72	1.72
2004	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.41	0.00	0.00	0.41	0.41
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.05	0.05	0.05	0.05
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.46	0.46	0.52	0.52
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.66	0.16	0.16	0.82	0.82
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.84	0.00	0.00	0.84	0.84
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.87	0.00	0.00	0.87	0.87
2004	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.08	0.01	0.01	0.09	0.09
2004	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.03	0.00	0.00	1.03	1.03
2004	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	24.34	0.35	0.35	24.70	24.70
2004	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.11	0.00	0.00	1.11	1.11
2004	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.68	0.00	0.00	1.68	1.68
2004	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.88	0.11	0.11	1.00	1.00
2004	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Other flatfish	Rex sole	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	2.35	0.00	0.00	2.35	2.35
2004	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	gf.	Other gf.	Leopard shark	5.63	0.00	0.00	5.63	5.63
2004	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	2.91	0.00	0.00	2.91	2.91
2004	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.44	0.00	0.00	0.44	0.44
2004	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.13	0.13	0.13	0.13
2004	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.06	0.11	0.11	0.17	0.17
2004	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.05	0.08	0.08	0.13	0.13
2004	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	261.96	33.39	6.68	295.34	268.63
2004	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	10.19	0.33	0.07	10.52	10.26
2004	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.24	14.58	14.58	14.82	14.82
2004	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2004	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	86.38	10.26	5.13	96.64	91.51
2004	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.07	0.06	0.06	0.13	0.13
2004	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.05	0.00	0.00	0.05	0.05
2004	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.76	0.00	0.00	0.76	0.76
2004	OA FG – H&L	ngf.	CA halibut	CA halibut	0.75	0.00	0.00	0.75	0.75
2004	OA FG – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.09	0.09	0.09	0.09
2004	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.60	0.00	0.00	0.60	0.60
2004	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2004	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.01	0.92	0.92	0.93	0.93
2004	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.64	0.00	0.00	0.64	0.64
2004	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.28	1.28	1.28	1.28
2004	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	ngf.	Other ngf.	CA sheephead	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.06	0.06	0.06	0.06
2004	OA FG – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2004	OA FG – H&L	ngf.	Other ngf.	Croaker, unid.	0.18	0.00	0.00	0.18	0.18
2004	OA FG – H&L	ngf.	Other ngf.	Dorado	0.02	0.00	0.00	0.02	0.02
2004	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.88	0.88	0.88	0.88
2004	OA FG – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.09	0.09	0.09	0.09
2004	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2004	OA FG – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.02	0.02	0.02	0.02
2004	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2004	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.07	0.00	0.00	0.07	0.07
2004	OA FG – H&L	ngf.	Other ngf.	PHLB	0.98	43.29	0.00	44.27	0.98
2004	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.04	0.00	0.00	0.04	0.04
2004	OA FG – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	1.17	1.17	1.17	1.17
2004	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.00	2.01	2.01	2.01	2.01
2004	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	1.30	0.72	0.72	2.01	2.01
2004	OA FG – H&L	ngf.	Other ngf.	Skipjack tuna	0.00	0.00	0.00	0.00	0.00
2004	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.09	0.00	0.00	0.09	0.09
2004	OA FG – H&L	ngf.	Other ngf.	Swordfish	0.14	0.00	0.00	0.14	0.14
2004	OA FG – H&L	ngf.	Other ngf.	White croaker	0.01	0.00	0.00	0.01	0.01
2004	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.26	0.00	0.00	0.26	0.26
2004	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.33	0.00	0.00	0.33	0.33
2004	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.38	0.00	0.00	0.38	0.38
2004	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.12	0.00	0.00	0.12	0.12
2004	OA FG – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.02	0.02	0.02	0.02
2004	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.31	0.31	0.31	0.31
2004	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.04	0.04	0.04	0.04
2004	OA FG – Pot	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.09	0.00	0.00	0.09	0.09
2004	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.09	0.09	0.09	0.09
2004	OA FG – Pot	gf.	Dover sole	Dover sole	0.00	0.13	0.13	0.13	0.13
2004	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08
2004	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.04	0.00	0.00	0.04	0.04
2004	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.08	0.71	0.71	0.79	0.79
2004	OA FG – Pot	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.02	0.02	0.02	0.02
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.09	0.00	0.00	0.09	0.09
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2004	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.19	0.19	0.23	0.23
2004	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.16	0.21	0.21	0.37	0.37
2004	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.21	0.21	0.21	0.21
2004	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.24	0.00	0.00	0.24	0.24

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.03	0.00	0.00	0.03	0.03
2004	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.97	0.00	0.00	0.97	0.97
2004	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	168.69	67.04	13.41	235.73	182.10
2004	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	15.48	0.55	0.11	16.03	15.59
2004	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.01	0.08	0.08	0.09	0.09
2004	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.07	0.07	0.07	0.07
2004	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.19	0.19	0.19	0.19
2004	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	4.71	0.00	0.00	4.71	4.71
2004	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.04	0.04	0.04	0.04
2004	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.93	0.00	0.00	0.93	0.93
2004	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.21	0.06	0.06	0.28	0.28
2004	OA FG – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.35	0.35	0.35	0.35
2004	OA FG – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.02	0.02	0.02	0.02
2004	OA FG – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.03	0.03	0.03	0.03
2004	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.05	0.00	0.00	0.05	0.05
2004	OA FG – Pot	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01
2004	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.08	0.00	0.00	0.08	0.08
2004	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.01	0.00	0.00	0.01	0.01
2004	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.09	0.29	0.29	0.37	0.37
2004	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.39	0.00	0.39	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Pacific tomcod	0.01	0.00	0.00	0.01	0.01
2004	OA FG – Pot	ngf.	Other ngf.	Red rock crab	4.22	0.00	0.00	4.22	4.22
2004	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.01	0.01	0.01	0.01
2004	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.05	0.05	0.05	0.05
2004	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2004	OA FG – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.02	0.02	0.02	0.02
2004	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.10	0.10	0.10	0.10
2004	OA FG – Pot	ngf.	Other ngf.	Spot prawn	3.22	0.00	0.00	3.22	3.22
2004	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.13	0.13	0.13	0.13
2004	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.41	0.41	0.41	0.41
2004	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.63	0.00	0.00	0.63	0.63
2004	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2004	PHLB Derby	gf.	Dover sole	Dover sole	0.15	0.00	0.00	0.15	0.15
2004	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	2.06	0.00	0.00	2.06	2.06
2004	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2004	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.07	0.00	0.00	0.07	0.07
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.12	0.00	0.00	0.12	0.12
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.71	0.00	0.00	0.71	0.71
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2004	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2004	PHLB Derby	gf.	Pacific cod	Pacific cod	0.11	0.00	0.00	0.11	0.11
2004	PHLB Derby	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2004	PHLB Derby	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2004	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	69.07	0.00	0.00	69.07	69.07
2004	PHLB Derby	gf.	SST (N of 34°27')	SST	0.32	0.00	0.00	0.32	0.32
2004	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.22	0.00	0.00	0.22	0.22
2004	PHLB Derby	ngf.	Other ngf.	Albacore tuna	1.09	0.00	0.00	1.09	1.09
2004	PHLB Derby	ngf.	Other ngf.	Blue shark	0.10	0.00	0.00	0.10	0.10
2004	PHLB Derby	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2004	PHLB Derby	ngf.	Other ngf.	Skate, unid.	3.23	0.00	0.00	3.23	3.23
2004	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.30	17.77	17.77	18.07	18.07
2004	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.06	0.06	0.06	0.06
2004	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.03	0.03	0.03	0.03
2004	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	1.37	1.37	1.37	1.37
2004	Pink Shrimp	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	14.38	14.38	14.38	14.38
2004	Pink Shrimp	gf.	Dover sole	Dover sole	0.88	15.57	15.57	16.45	16.45
2004	Pink Shrimp	gf.	ECS	CA skate	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.06	0.06	0.06	0.06
2004	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.90	0.90	0.90	0.90
2004	Pink Shrimp	gf.	English sole	English sole	0.00	0.27	0.27	0.27	0.27
2004	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.13	0.13	0.14	0.14
2004	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	1.44	1.44	1.44	1.44
2004	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	5.61	5.61	5.61	5.61
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	3.27	3.27	3.27	3.27
2004	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	2.16	2.16	2.16	2.16
2004	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.20	0.20	0.20	0.20
2004	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	4.34	4.34	4.34	4.34
2004	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	3.75	3.75	3.75	3.75
2004	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.02	0.02	0.02	0.02
2004	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.14	0.14	0.14	0.14
2004	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	1.45	1.45	1.45	1.45
2004	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.42	0.42	0.42	0.42
2004	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	44.53	44.53	44.53	44.53
2004	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.17	0.17	0.17	0.17
2004	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.25	0.25	0.25	0.25
2004	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2004	Pink Shrimp	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	0.34	0.34	0.34	0.34
2004	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	6.82	6.82	6.82	6.82
2004	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	5.88	5.88	5.88	5.88
2004	Pink Shrimp	gf.	Other flatfish	Rex sole	0.54	38.78	38.78	39.32	39.32
2004	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.52	0.52	0.52	0.52
2004	Pink Shrimp	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.00	0.07	0.07	0.07	0.07
2004	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	427.41	427.41	427.41	427.41
2004	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	1.78	1.78	1.78	1.78
2004	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.03	2.03	2.03	2.06	2.06
2004	Pink Shrimp	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.01	0.62	0.62	0.62	0.62
2004	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	6.42	6.42	6.42	6.42
2004	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.84	0.84	0.84	0.84
2004	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	4.89	4.89	4.89	4.89
2004	Pink Shrimp	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.73	0.73	0.73	0.73

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.05	0.22	0.22	0.27	0.27
2004	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2004	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	114.95	114.95	114.95	114.95
2004	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.45	0.45	0.45	0.45
2004	Pink Shrimp	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	1.12	1.12	1.12	1.12
2004	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.39	0.39	0.39	0.39
2004	Pink Shrimp	ngf.	Other ngf.	Armed box crab	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	3.74	3.74	3.74	3.74
2004	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.36	0.36	0.36	0.36
2004	Pink Shrimp	ngf.	Other ngf.	Crinoid, unid.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	9.39	9.39	9.39	9.39
2004	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	1.37	1.37	1.37	1.37
2004	Pink Shrimp	ngf.	Other ngf.	Giant wrymouth	0.00	0.02	0.02	0.02	0.02
2004	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	5.64	5.64	5.64	5.64
2004	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.35	2.35	2.35	2.35
2004	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.98	0.98	0.98	0.98
2004	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.47	0.47	0.47	0.47
2004	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	17.71	17.71	17.71	17.71
2004	Pink Shrimp	ngf.	Other ngf.	Northern ronquil	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.43	0.43	0.43	0.43
2004	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.95	0.95	0.95	0.95
2004	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	2.37	2.37	2.37	2.37
2004	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	5.26	5.26	5.26	5.26
2004	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	0.26	0.26	0.26	0.26

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.75	0.75	0.75	0.75
2004	Pink Shrimp	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.36	0.36	0.36	0.36
2004	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	6.65	6.65	6.65	6.65
2004	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.13	0.13	0.13	0.13
2004	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	2.05	2.05	2.05	2.05
2004	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.04	0.04	0.04	0.04
2004	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	1.58	1.58	1.58	1.58
2004	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.02	0.02	0.02	0.02
2004	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.37	0.37	0.37	0.37
2004	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.06	0.06	0.06	0.06
2004	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	7.39	7.39	7.39	7.39
2004	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.03	0.03	0.03	0.03
2004	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.15	0.15	0.15	0.15
2004	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.24	0.24	0.24	0.24
2004	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	15.15	15.15	15.15	15.15
2004	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2004	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	8969.74	0.00	0.00	8969.74	8969.74
2004	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	57.36	57.36	57.36	57.36
2004	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.06	0.06	0.06	0.06
2004	Pink Shrimp	ngf.	Shared ECS	Lightfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Shared ECS	Night smelt	0.00	0.75	0.75	0.75	0.75
2004	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2004	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	60.28	60.28	60.28	60.28
2004	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	0.69	0.69	0.69	0.69
2004	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.12	0.00	0.00	0.12	0.12
2004	RBPT	gf.	English sole	English sole	0.24	0.00	0.00	0.24	0.24
2004	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2004	RBPT	gf.	Other flatfish	Flatfish, unid.	0.32	0.00	0.00	0.32	0.32

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	RBPT	gf.	Other flatfish	Sanddab, unid.	0.08	0.00	0.00	0.08	0.08
2004	RBPT	ngf.	CA halibut	CA halibut	0.33	0.00	0.00	0.33	0.33
2004	RBPT	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2004	RBPT	ngf.	Other ngf.	King crab, unid.	0.03	0.00	0.00	0.03	0.03
2004	RBPT	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2004	RBPT	ngf.	Other ngf.	Mixed species	0.19	0.00	0.00	0.19	0.19
2004	RBPT	ngf.	Other ngf.	Pacific angel shark	0.02	0.00	0.00	0.02	0.02
2004	RBPT	ngf.	Other ngf.	Red rock crab	0.17	0.00	0.00	0.17	0.17
2004	RBPT	ngf.	Other ngf.	Ridgeback prawn	25.33	0.00	0.00	25.33	25.33
2004	RBPT	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2004	RBPT	ngf.	Other ngf.	Spot prawn	1.43	0.00	0.00	1.43	1.43
2004	RBPT	ngf.	Other ngf.	White croaker	1.40	0.00	0.00	1.40	1.40
2004	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2004	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2004	SCT	gf.	Other flatfish	Flatfish, unid.	0.07	0.00	0.00	0.07	0.07
2004	SCT	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2004	SCT	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2004	SCT	ngf.	CA halibut	CA halibut	0.04	0.00	0.00	0.04	0.04
2004	SCT	ngf.	Other ngf.	Crab, unid.	0.13	0.00	0.00	0.13	0.13
2004	SCT	ngf.	Other ngf.	Halibut, unid.	0.01	0.00	0.00	0.01	0.01
2004	SCT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2004	SCT	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2004	SCT	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2004	SCT	ngf.	Other ngf.	Red rock crab	0.02	0.00	0.00	0.02	0.02
2004	SCT	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2004	SCT	ngf.	Other ngf.	Sea cucumber, unid.	125.36	0.00	0.00	125.36	125.36
2004	SCT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2004	SCT	ngf.	Other ngf.	Spot prawn	0.00	0.00	0.00	0.00	0.00
2004	SCT	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.33	0.00	0.00	0.33	0.33
2004	Shoreside Hake	gf.	Canary rf.	Canary rf.	1.28	0.00	0.00	1.28	1.28
2004	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.86	0.00	0.00	0.86	0.86
2004	Shoreside Hake	gf.	Dover sole	Dover sole	0.65	0.00	0.00	0.65	0.65
2004	Shoreside Hake	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	ECS	Soupfin shark	0.15	0.00	0.00	0.15	0.15
2004	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	English sole	English sole	6.64	0.00	0.00	6.64	6.64
2004	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	3.95	0.00	0.00	3.95	3.95
2004	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	19.78	0.00	0.00	19.78	19.78
2004	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2004	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.39	0.00	0.00	1.39	1.39
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.21	0.00	0.00	0.21	0.21
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.03	0.00	0.00	0.03	0.03
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.82	0.00	0.00	0.82	0.82
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.58	0.00	0.00	0.58	0.58
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.42	0.00	0.00	2.42	2.42
2004	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.59	0.00	0.00	0.59	0.59
2004	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.76	0.00	0.00	0.76	0.76
2004	Shoreside Hake	gf.	Other flatfish	Rex sole	0.06	0.00	0.00	0.06	0.06
2004	Shoreside Hake	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Pacific cod	Pacific cod	1.04	0.00	0.00	1.04	1.04
2004	Shoreside Hake	gf.	Pacific hake	Pacific hake	89634.46	0.00	0.00	89634.46	89634.46
2004	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.83	0.00	0.00	0.83	0.83
2004	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.78	0.00	0.00	0.78	0.78
2004	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	129.43	0.00	0.00	129.43	129.43
2004	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2004	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.39	0.00	0.00	0.39	0.39
2004	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	30.33	0.00	0.00	30.33	30.33
2004	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2004	Shoreside Hake	gf.	Widow rf.	Widow rf.	28.30	0.00	0.00	28.30	28.30
2004	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	118.40	0.00	0.00	118.40	118.40
2004	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2004	Shoreside Hake	ngf.	Other ngf.	American shad	47.12	0.00	0.00	47.12	47.12
2004	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.03	0.00	0.00	0.03	0.03
2004	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.32	0.00	0.00	0.32	0.32
2004	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.19	0.00	0.00	0.19	0.19
2004	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	108.21	0.00	0.00	108.21	108.21
2004	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.45	0.00	0.00	0.45	0.45
2004	Shoreside Hake	ngf.	Other ngf.	Market squid	1.38	0.00	0.00	1.38	1.38
2004	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Shoreside Hake	ngf.	Other ngf.	Pacific herring	33.24	0.00	0.00	33.24	33.24
2004	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.79	0.00	0.00	0.79	0.79
2004	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.15	0.00	0.00	0.15	0.15
2004	Shoreside Hake	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2004	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	0.07	0.00	0.00	0.07	0.07
2004	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	2.09	0.00	0.00	2.09	2.09
2004	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	0.17	0.00	0.00	0.17	0.17
2004	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	10.32	0.00	0.00	10.32	10.32
2004	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	1.94	1.94	1.94	1.94
2004	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.33	0.33	0.33	0.33
2004	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.61	0.00	0.00	0.61	0.61
2004	Tribal A-S Hake	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2004	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.18	0.18	0.18	0.18
2004	Tribal A-S Hake	gf.	Longnose skate	Longnose skate	0.00	0.04	0.04	0.04	0.04
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.07	0.00	0.00	0.07	0.07
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.08	0.00	0.00	0.08	0.08
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2004	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.01	0.01	0.01	0.01
2004	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.03	0.01	0.01	0.05	0.05
2004	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	23511.37	0.00	0.00	23511.37	23511.37
2004	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2004	Tribal A-S Hake	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.06	0.06	0.06	0.06
2004	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.18	274.32	274.32	274.50	274.50
2004	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	1.50	0.00	0.00	1.50	1.50
2004	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	29.08	0.00	0.00	29.08	29.08
2004	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.30	9.24	9.24	9.54	9.54
2004	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	1.41	1.41	1.41	1.41
2004	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2004	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2004	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02
2004	Tribal A-S Hake	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2004	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Tribal A-S Hake	ngf.	Other ngf.	Shark, unid.	0.00	0.18	0.18	0.18	0.18
2004	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.04	0.04
2004	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	160.75	1.93	1.93	162.68	162.68
2004	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	81.89	0.00	0.00	81.89	81.89
2004	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2004	Tribal Shoreside	gf.	Canary rf.	Canary rf.	3.81	0.00	0.00	3.81	3.81
2004	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.22	0.00	0.00	0.22	0.22
2004	Tribal Shoreside	gf.	Dover sole	Dover sole	83.56	0.00	0.00	83.56	83.56
2004	Tribal Shoreside	gf.	English sole	English sole	81.06	0.00	0.00	81.06	81.06
2004	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	23.79	0.00	0.00	23.79	23.79
2004	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2004	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2004	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.05	0.00	0.00	0.05	0.05
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.54	0.00	0.00	0.54	0.54
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.43	0.00	0.00	0.43	0.43
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.84	0.00	0.00	1.84	1.84
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.10	0.00	0.00	0.10	0.10
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.08	0.00	0.00	0.08	0.08
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.00	0.00	0.04	0.04
2004	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.29	0.00	0.00	0.29	0.29
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.98	0.00	0.00	5.98	5.98
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	14.28	0.00	0.00	14.28	14.28
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.38	0.00	0.00	0.38	0.38
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.63	0.00	0.00	0.63	0.63
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.63	0.00	0.00	0.63	0.63
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2004	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	6.73	0.00	0.00	6.73	6.73
2004	Tribal Shoreside	gf.	Other flatfish	Rex sole	6.86	0.00	0.00	6.86	6.86
2004	Tribal Shoreside	gf.	Other flatfish	Rock sole	2.47	0.00	0.00	2.47	2.47
2004	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.89	0.00	0.00	0.89	0.89
2004	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.38	0.00	0.00	0.38	0.38
2004	Tribal Shoreside	gf.	Pacific cod	Pacific cod	307.65	0.00	0.00	307.65	307.65
2004	Tribal Shoreside	gf.	Pacific hake	Pacific hake	6848.33	0.00	0.00	6848.33	6848.33
2004	Tribal Shoreside	gf.	POP (N of 40°10')	POP	3.93	0.00	0.00	3.93	3.93
2004	Tribal Shoreside	gf.	Petrale sole	Petrale sole	84.11	0.00	0.00	84.11	84.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2004	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	710.08	0.00	0.00	710.08	710.08
2004	Tribal Shoreside	gf.	SST (N of 34°27')	SST	6.46	0.00	0.00	6.46	6.46
2004	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	40.06	0.00	0.00	40.06	40.06
2004	Tribal Shoreside	gf.	Starry flounder	Starry flounder	2.25	0.00	0.00	2.25	2.25
2004	Tribal Shoreside	gf.	Widow rf.	Widow rf.	21.45	0.00	0.00	21.45	21.45
2004	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.80	0.00	0.00	0.80	0.80
2004	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	352.91	0.00	0.00	352.91	352.91
2004	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1212.25	0.00	0.00	1212.25	1212.25
2004	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	6.94	0.00	0.00	6.94	6.94
2004	Tribal Shoreside	ngf.	Other ngf.	American shad	0.08	0.00	0.00	0.08	0.08
2004	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	1.08	0.00	0.00	1.08	1.08
2004	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.06	0.00	0.00	0.06	0.06
2004	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	8.82	0.00	0.00	8.82	8.82
2004	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	45.91	0.00	0.00	45.91	45.91
2004	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.09	0.00	0.00	0.09	0.09
2005	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	0.72	0.05	0.05	0.77	0.77
2005	A-S Hake CP	gf.	Big skate	Big skate	0.00	0.28	0.28	0.28	0.28
2005	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.12	0.22	0.22	0.34	0.34
2005	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	2.71	3.25	3.25	5.96	5.96
2005	A-S Hake CP	gf.	Dover sole	Dover sole	0.31	0.02	0.02	0.33	0.33
2005	A-S Hake CP	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	ECS	Sandpaper skate	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.23	0.23	0.23	0.23
2005	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.10	0.10	0.40	0.40
2005	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.04	0.08	0.08	0.12	0.12
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.08	0.03	0.03	0.11	0.11
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.25	0.25	0.26	0.26
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.07	0.07	0.08	0.08
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.01	0.01	0.03	0.03
2005	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.06	0.00	0.00	0.06	0.06
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.01	0.01	0.03	0.03
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.02	0.01	0.01	0.02	0.02
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.02	0.02	0.02	0.02
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	25.75	4.49	4.49	30.24	30.24
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.13	0.19	0.19	0.32	0.32
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.34	0.00	0.00	0.35	0.35
2005	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	8.55	0.72	0.72	9.27	9.27
2005	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Other flatfish	Rex sole	1.65	0.33	0.33	1.97	1.97
2005	A-S Hake CP	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Pacific hake	Pacific hake	78497.48	475.39	475.39	78972.88	78972.88
2005	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.58	0.20	0.20	0.78	0.78
2005	A-S Hake CP	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	8.56	4.48	4.48	13.04	13.04
2005	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.01	0.01	0.01	0.01
2005	A-S Hake CP	gf.	SST (N of 34°27')	SST	6.18	0.17	0.17	6.35	6.35
2005	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	3.15	39.08	39.08	42.23	42.23
2005	A-S Hake CP	gf.	Widow rf.	Widow rf.	8.87	34.33	34.33	43.20	43.20
2005	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	3.48	44.02	44.02	47.50	47.50
2005	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	American shad	0.66	4.78	4.78	5.44	5.44
2005	A-S Hake CP	ngf.	Other ngf.	Blacktail snailfish group	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.02	0.34	0.34	0.36	0.36
2005	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	7.01	5.16	5.16	12.16	12.16
2005	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.35	0.35	0.35	0.35
2005	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.04	0.00	0.00	0.04	0.04
2005	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.03	0.00	0.00	0.03	0.03
2005	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	2.91	0.64	0.64	3.55	3.55
2005	A-S Hake CP	ngf.	Other ngf.	Jack/pompano, unid.	0.03	0.00	0.00	0.03	0.03
2005	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	1.56	5.27	5.27	6.82	6.82
2005	A-S Hake CP	ngf.	Other ngf.	King of the salmon	5.02	2.83	2.83	7.85	7.85
2005	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.01	0.01
2005	A-S Hake CP	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.04	0.02	0.02	0.06	0.06
2005	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.01	0.01	0.02	0.02
2005	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.01	0.01	0.01	0.01	0.01
2005	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.01	0.01	0.01	0.01
2005	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	1.22	1.22	1.22	1.22
2005	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.04	0.04	0.04	0.04
2005	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.03	0.01	0.01	0.03	0.03
2005	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.01	0.11	0.11	0.12	0.12
2005	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.01	0.01	0.01	0.02	0.02
2005	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.03	0.26	0.26	0.29	0.29
2005	A-S Hake CP	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.37	0.53	0.53	0.90	0.90
2005	A-S Hake CP	ngf.	Other ngf.	Ragfish	1.38	5.47	5.47	6.85	6.85
2005	A-S Hake CP	ngf.	Other ngf.	Ribbon snailfish	0.02	0.00	0.00	0.02	0.02
2005	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.04	0.00	0.00	0.04	0.04
2005	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	1.71	1.71	1.71	1.71
2005	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2005	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.00	0.04	0.04	0.04	0.04
2005	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	71.81	108.56	108.56	180.37	180.37
2005	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.01	0.01
2005	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.05	0.09	0.09	0.14	0.14
2005	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.01	0.01	0.01	0.02	0.02
2005	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.24	0.25	0.25	0.49	0.49
2005	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.38	0.38	0.38	0.38
2005	A-S Hake MSCV	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.47	0.23	0.23	0.70	0.70
2005	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	4.28	0.80	0.80	5.08	5.08
2005	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.02	0.03	0.03	0.05	0.05
2005	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.02	0.17	0.17	0.19	0.19

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	A-S Hake MSCV	gf.	English sole	English sole	0.01	0.04	0.04	0.05	0.05
2005	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.61	1.41	1.41	2.02	2.02
2005	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.32	0.18	0.18	0.51	0.51
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.14	0.02	0.02	0.16	0.16
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.69	0.20	0.20	0.89	0.89
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	3.57	0.84	0.84	4.41	4.41
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.01	0.01
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.04	0.04
2005	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.01	0.01	0.01	0.03	0.03
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.65	0.05	0.05	5.70	5.70
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.01	0.01	0.02	0.02
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	2.78	0.00	0.00	2.78	2.78
2005	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	2.88	2.92	2.92	5.81	5.81
2005	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.54	0.67	0.67	1.21	1.21
2005	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2005	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	48600.64	80.43	80.43	48681.07	48681.07
2005	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.82	0.04	0.04	0.86	0.86
2005	A-S Hake MSCV	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	1.40	0.71	0.71	2.11	2.11
2005	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	2.69	0.00	0.00	2.69	2.69
2005	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.42	0.33	0.33	0.74	0.74
2005	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	16.51	11.40	11.40	27.91	27.91
2005	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	16.08	19.47	19.47	35.55	35.55
2005	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	21.24	4.32	4.32	25.55	25.55
2005	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.01	0.01	0.01	0.01
2005	A-S Hake MSCV	ngf.	Other ngf.	American shad	13.16	7.11	7.11	20.27	20.27
2005	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.31	0.31	0.31	0.31
2005	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.79	1.28	1.28	2.07	2.07
2005	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.11	0.11	0.11	0.11
2005	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.45	0.44	0.44	0.89	0.89
2005	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.09	0.93	0.93	1.02	1.02
2005	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	8.07	25.03	25.03	33.10	33.10
2005	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.01	0.01	0.01	0.02	0.02
2005	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.18	0.18	0.19	0.19
2005	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.01	0.01	0.01	0.01
2005	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.57	0.57	0.57	0.57
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.51	0.51	0.51	0.51
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.30	0.04	0.04	0.33	0.33
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.02	0.01	0.01	0.02	0.02
2005	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.13	1.13	1.13	1.13
2005	A-S Hake MSCV	ngf.	Other ngf.	Pomfret, unid.	0.04	0.00	0.00	0.04	0.04
2005	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.07	1.97	1.97	2.04	2.04
2005	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	3.12	3.12	3.12	3.12
2005	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.00	0.05	0.05	0.05	0.05
2005	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2005	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Skate, unid.	0.09	0.00	0.00	0.09	0.09
2005	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	4.10	495.96	495.96	500.06	500.06
2005	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2005	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	CS – BT	ngf.	Other ngf.	PHLB	0.00	460.35	286.52	460.35	286.52
2005	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.75	0.00	0.00	0.75	0.75
2005	Incidental	gf.	Black rf. (CA)	Black rf.	0.09	0.00	0.00	0.09	0.09
2005	Incidental	gf.	Black rf. (OR)	Black rf.	1.74	0.00	0.00	1.74	1.74
2005	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.41	0.00	0.00	0.41	0.41
2005	Incidental	gf.	Cabezon (CA)	Cabezon	0.15	0.00	0.00	0.15	0.15
2005	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	3.53	0.00	0.00	3.53	3.53
2005	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.21	0.00	0.00	0.21	0.21
2005	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Dover sole	Dover sole	0.09	0.00	0.00	0.09	0.09
2005	Incidental	gf.	ECS	Grenadier, unid.	2.94	0.00	0.00	2.94	2.94
2005	Incidental	gf.	ECS	Soupfin shark	24.23	0.00	0.00	24.23	24.23
2005	Incidental	gf.	English sole	English sole	1.02	0.00	0.00	1.02	1.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	4.44	0.00	0.00	4.44	4.44
2005	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	2.22	0.00	0.00	2.22	2.22
2005	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2005	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.11	0.00	0.00	0.11	0.11
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.02	0.00	0.00	0.02	0.02
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.11	0.00	0.00	0.11	0.11
2005	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.11	0.00	0.00	0.11	0.11
2005	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.28	0.00	0.00	0.28	0.28
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.20	0.00	0.00	0.20	0.20
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.04	0.00	0.00	0.04	0.04
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.38	0.00	0.00	1.38	1.38
2005	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.22	0.00	0.00	0.22	0.22
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.27	0.00	0.00	0.27	0.27
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.42	0.00	0.00	0.42	0.42
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.20	0.00	0.00	0.20	0.20
2005	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.10	0.00	0.00	0.10	0.10
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	10.44	0.00	0.00	10.44	10.44
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.33	0.00	0.00	0.33	0.33
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.05	0.00	0.00	0.05	0.05
2005	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.27	0.00	0.00	0.27	0.27
2005	Incidental	gf.	Other flatfish	Butter sole	0.06	0.00	0.00	0.06	0.06
2005	Incidental	gf.	Other flatfish	Flatfish, unid.	10.65	0.00	0.00	10.65	10.65

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Incidental	gf.	Other flatfish	Pacific sanddab	1.14	0.00	0.00	1.14	1.14
2005	Incidental	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Other flatfish	Sand sole	1.33	0.00	0.00	1.33	1.33
2005	Incidental	gf.	Other flatfish	Sanddab, unid.	0.13	0.00	0.00	0.13	0.13
2005	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Other gf.	Leopard shark	5.53	0.00	0.00	5.53	5.53
2005	Incidental	gf.	Other rf.	Rockfish, unid.	0.27	0.00	0.00	0.27	0.27
2005	Incidental	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2005	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2005	Incidental	gf.	Petrale sole	Petrale sole	0.31	0.00	0.00	0.31	0.31
2005	Incidental	gf.	Sablefish (N of 36°)	Sablefish	55.11	0.00	0.00	55.11	55.11
2005	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.07	0.00	0.00	0.07	0.07
2005	Incidental	gf.	SST (N of 34°27')	SST	0.43	0.00	0.00	0.43	0.43
2005	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	7.41	0.00	0.00	7.41	7.41
2005	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2005	Incidental	gf.	Starry flounder	Starry flounder	5.64	0.00	0.00	5.64	5.64
2005	Incidental	gf.	Widow rf.	Widow rf.	0.99	0.00	0.00	0.99	0.99
2005	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	6.97	0.00	0.00	6.97	6.97
2005	Incidental	ngf.	CA halibut	CA halibut	161.46	0.00	0.00	161.46	161.46
2005	Incidental	ngf.	Dungeness crab	Dungeness crab	22270.27	0.00	0.00	22270.27	22270.27
2005	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2005	Incidental	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2005	Incidental	ngf.	Other ngf.	Abalone, unid.	1.36	0.00	0.00	1.36	1.36
2005	Incidental	ngf.	Other ngf.	Albacore tuna	8855.14	0.00	0.00	8855.14	8855.14
2005	Incidental	ngf.	Other ngf.	American shad	33.14	0.00	0.00	33.14	33.14
2005	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	305.29	0.00	0.00	305.29	305.29
2005	Incidental	ngf.	Other ngf.	Basket cockle	37.75	0.00	0.00	37.75	37.75
2005	Incidental	ngf.	Other ngf.	Bat ray	2.39	0.00	0.00	2.39	2.39
2005	Incidental	ngf.	Other ngf.	Bigeye thresher shark	9.55	0.00	0.00	9.55	9.55
2005	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.76	0.00	0.00	0.76	0.76
2005	Incidental	ngf.	Other ngf.	Blue shark	0.12	0.00	0.00	0.12	0.12
2005	Incidental	ngf.	Other ngf.	Bluefin tuna	206.74	0.00	0.00	206.74	206.74
2005	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	32.31	0.00	0.00	32.31	32.31
2005	Incidental	ngf.	Other ngf.	Butter clam	8.05	0.00	0.00	8.05	8.05
2005	Incidental	ngf.	Other ngf.	CA barracuda	35.73	0.00	0.00	35.73	35.73
2005	Incidental	ngf.	Other ngf.	CA mussel	0.09	0.00	0.00	0.09	0.09
2005	Incidental	ngf.	Other ngf.	CA sheephead	0.78	0.00	0.00	0.78	0.78
2005	Incidental	ngf.	Other ngf.	CA spiny lobster	340.14	0.00	0.00	340.14	340.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Incidental	ngf.	Other ngf.	Clam, unid.	1.30	0.00	0.00	1.30	1.30
2005	Incidental	ngf.	Other ngf.	Common thresher shark	178.56	0.00	0.00	178.56	178.56
2005	Incidental	ngf.	Other ngf.	Crab, unid.	33.40	0.00	0.00	33.40	33.40
2005	Incidental	ngf.	Other ngf.	Croaker, unid.	7.79	0.00	0.00	7.79	7.79
2005	Incidental	ngf.	Other ngf.	Dorado	0.17	0.00	0.00	0.17	0.17
2005	Incidental	ngf.	Other ngf.	Echinoderm, unid.	1.73	0.00	0.00	1.73	1.73
2005	Incidental	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	ngf.	Other ngf.	Gaper clam	4.06	0.00	0.00	4.06	4.06
2005	Incidental	ngf.	Other ngf.	Ghost shrimp	26.60	0.00	0.00	26.60	26.60
2005	Incidental	ngf.	Other ngf.	Giant sea bass	2.86	0.00	0.00	2.86	2.86
2005	Incidental	ngf.	Other ngf.	Hagfish, unid.	666.47	0.00	0.00	666.47	666.47
2005	Incidental	ngf.	Other ngf.	Jack mackerel	216.80	0.00	0.00	216.80	216.80
2005	Incidental	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	Incidental	ngf.	Other ngf.	Mackerel, unid.	2.06	0.00	0.00	2.06	2.06
2005	Incidental	ngf.	Other ngf.	Market squid	55739.93	0.00	0.00	55739.93	55739.93
2005	Incidental	ngf.	Other ngf.	Mixed species	23.22	0.00	0.00	23.22	23.22
2005	Incidental	ngf.	Other ngf.	Mollusc, unid.	45.21	0.00	0.00	45.21	45.21
2005	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2005	Incidental	ngf.	Other ngf.	Mud shrimp	1.44	0.00	0.00	1.44	1.44
2005	Incidental	ngf.	Other ngf.	Native littleneck clam	0.24	0.00	0.00	0.24	0.24
2005	Incidental	ngf.	Other ngf.	Northern anchovy	11414.08	0.00	0.00	11414.08	11414.08
2005	Incidental	ngf.	Other ngf.	Octopus, unid.	1.95	0.00	0.00	1.95	1.95
2005	Incidental	ngf.	Other ngf.	Olympia oyster	0.75	0.00	0.00	0.75	0.75
2005	Incidental	ngf.	Other ngf.	Pacific angel shark	11.41	0.00	0.00	11.41	11.41
2005	Incidental	ngf.	Other ngf.	Pacific bonito	10.44	0.00	0.00	10.44	10.44
2005	Incidental	ngf.	Other ngf.	Pacific herring	355.15	0.00	0.00	355.15	355.15
2005	Incidental	ngf.	Other ngf.	Pacific mackerel	3577.04	0.00	0.00	3577.04	3577.04
2005	Incidental	ngf.	Other ngf.	Pacific sardine	86455.33	0.00	0.00	86455.33	86455.33
2005	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.44	0.00	0.00	0.44	0.44
2005	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.25	0.00	0.00	0.25	0.25
2005	Incidental	ngf.	Other ngf.	Razor clam	59.11	0.00	0.00	59.11	59.11
2005	Incidental	ngf.	Other ngf.	Red rock crab	491.12	0.00	0.00	491.12	491.12
2005	Incidental	ngf.	Other ngf.	Red urchin	5349.06	0.00	0.00	5349.06	5349.06
2005	Incidental	ngf.	Other ngf.	Ridgeback prawn	2.30	0.00	0.00	2.30	2.30
2005	Incidental	ngf.	Other ngf.	Scallop, unid.	0.08	0.00	0.00	0.08	0.08
2005	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.40	0.00	0.00	1.40	1.40
2005	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	158.42	0.00	0.00	158.42	158.42
2005	Incidental	ngf.	Other ngf.	Shark, unid.	7.12	0.00	0.00	7.12	7.12
2005	Incidental	ngf.	Other ngf.	Shrimp, unid.	28.89	0.00	0.00	28.89	28.89

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Incidental	ngf.	Other ngf.	Skate, unid.	19.10	0.00	0.00	19.10	19.10
2005	Incidental	ngf.	Other ngf.	Skipjack tuna	365.00	0.00	0.00	365.00	365.00
2005	Incidental	ngf.	Other ngf.	Spot prawn	148.67	0.00	0.00	148.67	148.67
2005	Incidental	ngf.	Other ngf.	Squid, unid.	0.58	0.00	0.00	0.58	0.58
2005	Incidental	ngf.	Other ngf.	Surfperch, unid.	26.37	0.00	0.00	26.37	26.37
2005	Incidental	ngf.	Other ngf.	Swordfish	296.67	0.00	0.00	296.67	296.67
2005	Incidental	ngf.	Other ngf.	Tuna, unid.	0.17	0.00	0.00	0.17	0.17
2005	Incidental	ngf.	Other ngf.	Urchin, unid.	2.37	0.00	0.00	2.37	2.37
2005	Incidental	ngf.	Other ngf.	White croaker	23.76	0.00	0.00	23.76	23.76
2005	Incidental	ngf.	Other ngf.	White sea bass	138.26	0.00	0.00	138.26	138.26
2005	Incidental	ngf.	Other ngf.	Wolf-eel	0.12	0.00	0.00	0.12	0.12
2005	Incidental	ngf.	Other ngf.	Yellowfin tuna	96.46	0.00	0.00	96.46	96.46
2005	Incidental	ngf.	Other ngf.	Yellowtail amberjack	9.56	0.00	0.00	9.56	9.56
2005	Incidental	ngf.	Shared ECS	Smelt, unid.	106.92	0.00	0.00	106.92	106.92
2005	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.73	0.00	0.00	0.73	0.73
2005	LE CA Halibut	gf.	Big skate	Big skate	0.00	49.58	24.79	49.58	24.79
2005	LE CA Halibut	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.13	0.00	0.00	0.13	0.13
2005	LE CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.08	0.01	0.01	0.09	0.09
2005	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.10	0.00	0.00	1.10	1.10
2005	LE CA Halibut	gf.	Dover sole	Dover sole	1.73	0.01	0.01	1.73	1.73
2005	LE CA Halibut	gf.	ECS	CA skate	0.00	28.76	28.76	28.76	28.76
2005	LE CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.46	0.46	0.46	0.46
2005	LE CA Halibut	gf.	ECS	Soupfin shark	0.49	2.41	2.41	2.90	2.90
2005	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.32	0.32	0.32	0.32
2005	LE CA Halibut	gf.	English sole	English sole	4.35	6.94	6.94	11.29	11.29
2005	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	2.62	1.05	0.53	3.67	3.15
2005	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	1.46	0.73	1.46	0.73
2005	LE CA Halibut	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.14	0.14	0.14	0.14
2005	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.34	0.00	0.00	0.34	0.34
2005	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.10	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.25	0.00	0.00	0.25	0.25
2005	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	7.08	7.08	7.08	7.08
2005	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.65	0.00	0.00	0.65	0.65
2005	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	7.77	12.65	12.65	20.43	20.43
2005	LE CA Halibut	gf.	Other flatfish	Rex sole	0.67	0.11	0.11	0.78	0.78
2005	LE CA Halibut	gf.	Other flatfish	Rock sole	9.00	1.67	1.67	10.67	10.67
2005	LE CA Halibut	gf.	Other flatfish	Sand sole	15.33	1.46	1.46	16.79	16.79
2005	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.14	0.14	0.14	0.14
2005	LE CA Halibut	gf.	Other gf.	Kelp greenling (CA)	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	gf.	Other gf.	Leopard shark	1.61	6.27	6.27	7.89	7.89
2005	LE CA Halibut	gf.	Other rf.	Rockfish, unid.	0.11	0.00	0.00	0.11	0.11
2005	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.00	1.38	1.38	1.38	1.38
2005	LE CA Halibut	gf.	Petrale sole	Petrale sole	17.42	0.25	0.25	17.67	17.67
2005	LE CA Halibut	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	3.42	0.00	0.00	3.42	3.42
2005	LE CA Halibut	gf.	SST (N of 34°27')	SST	0.06	0.00	0.00	0.06	0.06
2005	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	13.13	13.13	13.13	13.13
2005	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	2.03	0.00	0.00	2.03	2.03
2005	LE CA Halibut	gf.	Starry flounder	Starry flounder	22.36	8.77	8.77	31.13	31.13
2005	LE CA Halibut	gf.	Widow rf.	Widow rf.	0.07	0.00	0.00	0.07	0.07
2005	LE CA Halibut	ngf.	CA halibut	CA halibut	188.88	5.02	5.02	193.90	193.90
2005	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	153.83	153.83	153.83	153.83
2005	LE CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.09	0.09	0.09	0.09
2005	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.19	0.19	0.19	0.19
2005	LE CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.19	0.19	0.19	0.19
2005	LE CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.06	0.06	0.06	0.06
2005	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.05	0.05	0.05	0.05
2005	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	51.48	51.48	51.48	51.48
2005	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	7.62	7.62	7.62	7.62
2005	LE CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Common thresher shark	0.04	0.00	0.00	0.04	0.04
2005	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.11	0.00	0.00	0.11	0.11
2005	LE CA Halibut	ngf.	Other ngf.	Dusky sculpin	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	8.36	8.36	8.36	8.36
2005	LE CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.20	0.20	0.20	0.20
2005	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	74.08	74.08	74.08	74.08
2005	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.08	0.08	0.08	0.08
2005	LE CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.50	0.00	0.00	0.50	0.50
2005	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.12	1.12	1.12	1.12
2005	LE CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.03	0.03	0.03	0.03
2005	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.12	0.12	0.12	0.12
2005	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.19	0.19	0.19	0.19
2005	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.25	0.25	0.25	0.25
2005	LE CA Halibut	ngf.	Other ngf.	Pelagic thresher shark	0.02	0.00	0.00	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.02	0.02	0.02	0.02
2005	LE CA Halibut	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	1.91	1.91	1.91	1.91
2005	LE CA Halibut	ngf.	Other ngf.	Roughback sculpin	0.00	0.04	0.04	0.04	0.04
2005	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.16	0.16	0.16	0.16
2005	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	1.04	1.04	1.04	1.04
2005	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.25	0.25	0.25	0.25
2005	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.30	0.60	0.60	0.90	0.90
2005	LE CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.04	0.04	0.04	0.04
2005	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	1.35	0.21	0.21	1.56	1.56
2005	LE CA Halibut	ngf.	Other ngf.	Smoothhound shark, unid.	0.00	0.16	0.16	0.16	0.16
2005	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2005	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.38	0.38	0.38	0.38

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	9.25	9.25	9.25	9.25
2005	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.01	0.04	0.04	0.05	0.05
2005	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.27	0.27	0.27	0.27
2005	LE CA Halibut	ngf.	Other ngf.	White croaker	0.01	2.46	2.46	2.47	2.47
2005	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.66	0.00	0.00	0.66	0.66
2005	LE CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.20	0.20	0.20	0.20
2005	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.13	0.13	0.13	0.13
2005	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.00	0.00	0.05	0.05
2005	LE FG DTL – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.80	0.00	0.00	0.80	0.80
2005	LE FG DTL – H&L	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.69	0.00	0.00	2.69	2.69
2005	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.59	0.00	0.00	0.59	0.59
2005	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.12	8.37	8.37	8.49	8.49
2005	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	0.23	0.23	0.23	0.23
2005	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.05	0.05	0.05	0.05
2005	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	24.39	0.10	0.10	24.49	24.49
2005	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2005	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	0.20	0.20	0.20	0.20
2005	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.18	0.18	0.18	0.18
2005	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.28	0.28	0.28	0.28
2005	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.17	0.00	0.00	0.17	0.17
2005	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.65	0.00	0.00	0.65	0.65
2005	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	70.12	35.06	70.12	35.06
2005	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	6.44	0.00	0.00	6.44	6.44
2005	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	8.24	11.89	11.89	20.13	20.13
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.07	0.00	0.00	0.07	0.07
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.11	0.00	0.00	0.11	0.11
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.08	0.00	0.00	0.08	0.08
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.03	0.00	0.00	0.03	0.03
2005	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	2.77	0.00	0.00	2.77	2.77
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.05	0.00	0.00	0.05	0.05
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.10	0.00	0.00	0.10	0.10

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.44	0.00	0.00	0.44	0.44
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.48	0.00	0.00	3.48	3.48
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.19	0.06	0.06	0.24	0.24
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.35	0.00	0.00	0.35	0.35
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	19.57	0.00	0.00	19.57	19.57
2005	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.41	0.00	0.00	0.41	0.41
2005	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.93	8.49	8.49	9.42	9.42
2005	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.34	0.00	0.00	0.34	0.34
2005	LE FG DTL – H&L	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2005	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.25	0.00	0.00	0.25	0.25
2005	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.07	0.00	0.00	0.07	0.07
2005	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.53	0.23	0.23	0.76	0.76
2005	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.06	0.00	0.00	0.06	0.06
2005	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.07	0.00	0.00	0.07	0.07
2005	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	173.95	11.37	2.27	185.32	176.23
2005	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	71.39	4.02	0.80	75.41	72.19
2005	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	9.86	0.15	0.15	10.01	10.01
2005	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	126.33	17.17	17.17	143.50	143.50
2005	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	91.89	3.39	1.70	95.28	93.58
2005	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.63	0.00	0.00	0.63	0.63
2005	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.07	0.00	0.00	0.07	0.07
2005	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.05	0.00	0.00	0.05	0.05
2005	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.08	0.00	0.00	0.08	0.08
2005	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	0.73	0.73	0.73	0.73
2005	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.31	0.45	0.45	0.75	0.75
2005	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	16.37	16.37	16.37	16.37
2005	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.06	0.00	0.00	0.06	0.06
2005	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.04	0.04	0.04	0.04
2005	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	4.48	4.48	4.48	4.48
2005	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.24	0.24	0.24	0.24
2005	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.05	0.00	0.00	0.05	0.05
2005	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2005	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2005	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.41	0.00	0.00	0.41	0.41

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.13	0.13	0.13	0.13
2005	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	37.69	37.69	37.69	37.69
2005	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	5.09	0.00	0.00	5.09	5.09
2005	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2005	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.06	0.00	0.00	0.06	0.06
2005	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.13	0.00	0.00	0.13	0.13
2005	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	3.28	0.76	0.15	4.04	3.43
2005	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.03	0.03	0.03	0.03
2005	LE FG DTL – Pot	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE FG DTL – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE FG DTL – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2005	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	2.16	57.62	57.62	59.78	59.78
2005	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	32.64	32.64	32.64	32.64
2005	LE Sablefish – H&L	gf.	Black rf. (OR)	Black rf.	0.06	0.00	0.00	0.06	0.06
2005	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.07	0.00	0.00	0.07	0.07
2005	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.00	0.59	0.59	0.59	0.59
2005	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2005	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.38	0.27	0.27	1.66	1.66
2005	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.85	1.71	1.71	2.56	2.56
2005	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.05	0.05	0.05	0.05
2005	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.33	0.33	0.33	0.33
2005	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	2.85	0.02	0.02	2.87	2.87
2005	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.07	0.07	0.07	0.07
2005	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	0.10	0.10	0.10	0.10
2005	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.84	0.84	0.84	0.84
2005	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.84	2.84	2.84	2.84
2005	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	7.56	6.64	0.47	14.20	8.02
2005	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.52	0.03	0.00	0.54	0.52
2005	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	35.86	17.93	35.86	17.93
2005	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.64	0.01	0.01	0.65	0.65
2005	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.15	0.00	0.00	0.15	0.15
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.75	0.04	0.04	0.80	0.80
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.10	2.01	2.01	2.12	2.12
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	2.09	0.25	0.25	2.34	2.34
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.32	1.30	1.30	1.62	1.62
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.19	0.09	0.09	0.28	0.28
2005	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.12	0.00	0.00	0.12	0.12
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.28	0.01	0.01	1.30	1.30
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	21.56	6.42	6.42	27.98	27.98
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	19.39	5.20	5.20	24.58	24.58
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.01	0.01
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.98	3.06	3.06	4.04	4.04
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	3.10	3.10	3.10	3.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.91	1.07	1.07	2.99	2.99
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.18	0.10	0.10	2.28	2.28
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.45	0.00	0.00	0.45	0.45
2005	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	1.72	0.01	0.01	1.72	1.72
2005	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.21	0.01	0.01	0.22	0.22
2005	LE Sablefish – H&L	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	gf.	Other flatfish	Rock sole	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.85	1.62	1.62	3.47	3.47
2005	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.36	0.36	0.36	0.36
2005	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.35	0.20	0.20	0.55	0.55
2005	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.24	0.03	0.03	0.27	0.27
2005	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1341.56	170.33	34.07	1511.90	1375.63
2005	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	7.90	0.70	0.70	8.60	8.60
2005	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	137.95	101.81	50.90	239.76	188.86
2005	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2005	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.60	0.60	0.60	0.60
2005	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.42	0.30	0.30	0.72	0.72
2005	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.01	0.01	0.01	0.02	0.02
2005	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.24	0.01	0.01	0.25	0.25
2005	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	ngf.	Other ngf.	Bat ray	0.00	0.27	0.27	0.27	0.27
2005	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	24.13	24.13	24.13	24.13
2005	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.56	0.56	0.56	0.56
2005	LE Sablefish – H&L	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.08	0.08	0.08	0.08
2005	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Sablefish – H&L	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	ngf.	Other ngf.	Kelp bass	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	40.79	235.21	37.63	275.99	78.42
2005	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.02	0.02	0.02	0.02
2005	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.35	0.35	0.35	0.35
2005	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.02	2.79	2.79	2.81	2.81
2005	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	9.00	11.41	11.41	20.41	20.41
2005	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Sablefish – H&L	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Sablefish – H&L	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – H&L	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.08	0.08	0.08	0.08
2005	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	1.37	1.50	1.50	2.87	2.87
2005	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.09	0.09	0.12	0.12
2005	LE Sablefish – Pot	gf.	Dover sole	Dover sole	1.35	0.36	0.36	1.71	1.71
2005	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.77	0.77	0.77	0.77
2005	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.12	0.02	0.02	0.14	0.14
2005	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.12	0.12	0.12	0.12
2005	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.76	1.22	1.22	3.99	3.99
2005	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.03	0.03	0.08	0.08
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.84	0.05	0.05	0.90	0.90
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.68	0.05	0.05	0.73	0.73

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.12	0.00	0.00	2.12	2.12
2005	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	gf.	Pacific hake	Pacific hake	0.00	0.05	0.05	0.05	0.05
2005	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2005	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	615.00	100.02	20.00	715.02	635.00
2005	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.26	0.04	0.04	0.30	0.30
2005	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.22	0.22	0.22	0.22
2005	LE Sablefish – Pot	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.01	0.01
2005	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.82	0.82	0.82	0.82
2005	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.14	0.14	0.14	0.14
2005	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Sablefish – Pot	ngf.	Other ngf.	King crab, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.10	0.10	0.10	0.10
2005	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.10	0.10	0.10	0.10
2005	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	2.62	0.47	2.62	0.47
2005	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.06	0.06	0.06	0.06
2005	LE Sablefish – Pot	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.63	0.63	0.63	0.63
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.56	0.56	0.56	0.56
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.45	0.45	0.45	0.45
2005	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.22	0.00	0.00	0.22	0.22
2005	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Sablefish – Pot	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.62	0.62	0.62	0.62
2005	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	2.00	2.00	2.00	2.00
2005	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	5.11	5.11	5.11	5.11
2005	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	2075.51	2075.70	2075.70	4151.22	4151.22
2005	LE Trawl	gf.	Big skate	Big skate	0.00	145.37	72.69	145.37	72.69
2005	LE Trawl	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.50	0.61	0.61	1.11	1.11
2005	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.01	0.01
2005	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.51	18.44	18.44	19.95	19.95
2005	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.09	0.02	0.02	0.11	0.11
2005	LE Trawl	gf.	Canary rf.	Canary rf.	4.16	31.08	31.08	35.25	35.25
2005	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	23.12	55.50	55.50	78.62	78.62
2005	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.57	0.57	0.57	0.57
2005	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	76.82	25.73	25.73	102.55	102.55
2005	LE Trawl	gf.	Dover sole	Dover sole	6746.58	691.42	691.42	7438.00	7438.00
2005	LE Trawl	gf.	ECS	Alaska skate	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	gf.	ECS	Aleutian skate	0.00	0.41	0.41	0.41	0.41
2005	LE Trawl	gf.	ECS	Black skate	0.00	25.26	25.26	25.26	25.26

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	gf.	ECS	CA grenadier	0.00	3.75	3.75	3.75	3.75
2005	LE Trawl	gf.	ECS	CA skate	0.00	35.86	35.86	35.86	35.86
2005	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.06	0.06	0.06	0.06
2005	LE Trawl	gf.	ECS	Giant grenadier	0.00	93.96	93.96	93.96	93.96
2005	LE Trawl	gf.	ECS	Grenadier, unid.	97.08	22.56	22.56	119.63	119.63
2005	LE Trawl	gf.	ECS	Pacific flatnose	0.00	10.39	10.39	10.39	10.39
2005	LE Trawl	gf.	ECS	Pacific grenadier	0.00	44.33	44.33	44.33	44.33
2005	LE Trawl	gf.	ECS	Popeye grenadier	0.00	5.26	5.26	5.26	5.26
2005	LE Trawl	gf.	ECS	Sandpaper skate	0.00	81.54	81.54	81.54	81.54
2005	LE Trawl	gf.	ECS	Soupfin shark	0.42	0.35	0.35	0.77	0.77
2005	LE Trawl	gf.	ECS	Spotted ratfish	0.42	237.60	237.60	238.02	238.02
2005	LE Trawl	gf.	English sole	English sole	856.14	268.64	268.64	1124.78	1124.78
2005	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	63.39	407.61	203.80	470.99	267.19
2005	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	9.36	19.86	9.93	29.22	19.29
2005	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	657.35	328.68	657.35	328.68
2005	LE Trawl	gf.	LST (N of 34°27')	LST	627.97	85.60	85.60	713.56	713.56
2005	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.01	0.01	0.01	0.02	0.02
2005	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.07	0.02	0.02	0.09	0.09
2005	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.10	0.00	0.00	0.10	0.10
2005	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.07	0.03	0.03	0.10	0.10
2005	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.07	0.07	0.07	0.07
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	3.86	3.93	3.93	7.79	7.79
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.61	1.30	1.30	2.91	2.91
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.02	0.58	0.58	0.60	0.60
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	3.03	61.33	61.33	64.36	64.36
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.07	0.07	0.07	0.07
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.07	1.91	1.91	1.98	1.98
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.04	1.71	1.71	1.75	1.75
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.29	0.29	0.29	0.29
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.15	4.87	4.87	6.02	6.02
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.53	1.14	1.14	1.68	1.68
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.05	0.58	0.58	0.63	0.63
2005	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.01	0.01	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.17	0.17	0.17	0.17
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	1.47	1.47	1.47	1.47
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.27	0.27	0.27	0.27
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.76	0.01	0.01	0.77	0.77
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.27	1.12	1.12	1.38	1.38
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.09	0.02	0.02	0.11	0.11
2005	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	3.54	0.12	0.12	3.66	3.66
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	8.52	3.14	3.14	11.66	11.66
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	1.35	0.00	0.00	1.35	1.35
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.47	0.46	0.46	1.93	1.93
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.17	1.22	1.22	4.39	4.39
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	44.39	0.88	0.88	45.27	45.27
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	3.28	2.52	2.52	5.80	5.80
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	8.67	0.69	0.69	9.36	9.36
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.21	0.21	0.21	0.21
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.05	0.25	0.25	2.30	2.30
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	10.16	25.76	25.76	35.92	35.92
2005	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	6.84	0.42	0.42	7.26	7.26
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	34.03	6.92	6.92	40.95	40.95
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	24.14	0.05	0.05	24.20	24.20
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	51.48	0.60	0.60	52.08	52.08
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.60	0.03	0.03	0.63	0.63
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rockfish, unid.	0.00	0.25	0.25	0.25	0.25
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	4.82	4.82	4.82	4.82
2005	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.57	0.00	0.00	0.58	0.58
2005	LE Trawl	gf.	Mixed thornyheads	SST/LST	7.92	84.25	84.25	92.16	92.16
2005	LE Trawl	gf.	Other flatfish	Butter sole	0.12	0.41	0.41	0.53	0.53
2005	LE Trawl	gf.	Other flatfish	Curlfin sole	0.80	5.28	5.28	6.08	6.08
2005	LE Trawl	gf.	Other flatfish	Flatfish, unid.	8.78	18.90	18.90	27.68	27.68
2005	LE Trawl	gf.	Other flatfish	Flathead sole	35.52	53.07	53.07	88.59	88.59
2005	LE Trawl	gf.	Other flatfish	Pacific sanddab	224.28	219.05	219.05	443.32	443.32
2005	LE Trawl	gf.	Other flatfish	Rex sole	577.86	169.12	169.12	746.98	746.98
2005	LE Trawl	gf.	Other flatfish	Rock sole	10.35	3.25	3.25	13.60	13.60
2005	LE Trawl	gf.	Other flatfish	Sand sole	91.20	0.82	0.82	92.03	92.03
2005	LE Trawl	gf.	Other flatfish	Sanddab, unid.	121.28	56.37	56.37	177.65	177.65

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.04	0.04	0.04	0.04
2005	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.09	0.09	0.09	0.09
2005	LE Trawl	gf.	Other gf.	Leopard shark	0.03	0.87	0.87	0.90	0.90
2005	LE Trawl	gf.	Other rf.	Rockfish, unid.	1.99	0.00	0.00	1.99	1.99
2005	LE Trawl	gf.	Pacific cod	Pacific cod	723.64	6.15	6.15	729.79	729.79
2005	LE Trawl	gf.	Pacific hake	Pacific hake	2.68	834.89	834.89	837.57	837.57
2005	LE Trawl	gf.	POP (N of 40°10')	POP	56.97	11.41	11.41	68.37	68.37
2005	LE Trawl	gf.	Petrale sole	Petrale sole	2685.57	55.85	55.85	2741.41	2741.41
2005	LE Trawl	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.26	0.26	0.26	0.26
2005	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2257.04	513.55	256.77	2770.58	2513.81
2005	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	54.90	15.10	7.55	70.00	62.45
2005	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.84	0.84	0.84	0.84
2005	LE Trawl	gf.	SST (N of 34°27')	SST	498.34	77.38	77.38	575.72	575.72
2005	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	126.34	1412.75	1412.75	1539.09	1539.09
2005	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	84.35	76.59	76.59	160.95	160.95
2005	LE Trawl	gf.	Starry flounder	Starry flounder	24.04	0.46	0.46	24.51	24.51
2005	LE Trawl	gf.	Widow rf.	Widow rf.	2.83	3.89	3.89	6.73	6.73
2005	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.23	1.01	1.01	1.24	1.24
2005	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	27.35	40.28	40.28	67.62	67.62
2005	LE Trawl	ngf.	CA halibut	CA halibut	4.75	0.86	0.86	5.62	5.62
2005	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.00	270.41	270.41	270.41	270.41
2005	LE Trawl	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	7.14	21.35	21.35	28.49	28.49
2005	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.24	0.24	0.24	0.24
2005	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.00	52.53	52.53	52.53	52.53
2005	LE Trawl	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.12	0.12	0.12	0.12
2005	LE Trawl	ngf.	Other ngf.	American shad	0.00	7.16	7.16	7.16	7.16
2005	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	49.52	49.52	49.52	49.52
2005	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	2.36	2.36	2.36	2.36
2005	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.09	0.01	0.01	0.10	0.10
2005	LE Trawl	ngf.	Other ngf.	Barnacle, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	ngf.	Other ngf.	Bat ray	0.00	0.30	0.30	0.30	0.30
2005	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	3.40	3.40	3.40	3.40
2005	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.07	0.07	0.07	0.07
2005	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.15	0.15	0.15	0.15
2005	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Blue shark	0.00	0.37	0.37	0.37	0.37
2005	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.12	0.12	0.12	0.12
2005	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	9.77	9.77	9.77	9.77
2005	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	27.64	27.64	27.64	27.64
2005	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.35	2.35	2.35	2.35
2005	LE Trawl	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	15.27	15.27	15.27	15.27
2005	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	1.21	1.21	1.21	1.21
2005	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	0.83	0.83	0.83	0.83
2005	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	0.29	0.29	0.29	0.29
2005	LE Trawl	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.08	0.00	0.00	0.08	0.08
2005	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	16.69	16.69	16.69	16.69
2005	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	2.18	2.18	2.18	2.18
2005	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	1.04	1.04	1.04	1.04
2005	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.21	0.21	0.21	0.21
2005	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.07	0.07	0.07	0.07
2005	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	98.59	98.59	98.59	98.59
2005	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	14.80	14.80	14.80	14.80
2005	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	39.22	39.22	39.22	39.22
2005	LE Trawl	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.08	0.08	0.08	0.08
2005	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	1.11	1.11	1.11	1.11
2005	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.04	0.04	0.04	0.04
2005	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	1.22	1.22	1.22	1.22

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Market squid	4.95	0.00	0.00	4.95	4.95
2005	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.25	0.25	0.25	0.25
2005	LE Trawl	ngf.	Other ngf.	Mixed species	1.11	0.00	0.00	1.11	1.11
2005	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.14	0.14	0.14	0.14
2005	LE Trawl	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.09	0.09	0.09	0.09
2005	LE Trawl	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	ngf.	Other ngf.	Octopus, unid.	8.11	4.43	4.43	12.54	12.54
2005	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Pacific argentine	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	1.78	1.78	1.78	1.78
2005	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.12	0.12	0.12	0.12
2005	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Pacific sandfish	0.00	0.06	0.06	0.06	0.06
2005	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.41	0.41	0.41	0.41
2005	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	5.97	5.97	5.97	5.97
2005	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.06	0.06	0.06	0.06
2005	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.52	0.52	0.52	0.52
2005	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.64	0.64	0.64	0.64
2005	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.34	0.34	0.34	0.34
2005	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.04	0.04	0.04	0.04
2005	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.40	0.40	0.40	0.40
2005	LE Trawl	ngf.	Other ngf.	Ray, unid.	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.23	0.23	0.23	0.23
2005	LE Trawl	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Scaly dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.19	0.19	0.19	0.19
2005	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	1.66	1.66	1.66	1.66
2005	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.89	1.89	1.89	1.89
2005	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	0.71	0.71	0.71	0.71
2005	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	43.12	43.12	43.12	43.12

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.19	0.19	0.19	0.19
2005	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.04	15.82	15.82	15.85	15.85
2005	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.08	0.08	0.08	0.08
2005	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.10	0.10	0.10	0.10
2005	LE Trawl	ngf.	Other ngf.	Skate, unid.	865.40	78.95	78.95	944.35	944.35
2005	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	2.65	2.65	2.65	2.65
2005	LE Trawl	ngf.	Other ngf.	Slim sculpin	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Smootheye poacher	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	1.04	1.04	1.04	1.04
2005	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	0.02	0.02	0.02	0.02
2005	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.08	0.08	0.08	0.08
2005	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	18.74	18.74	18.74	18.74
2005	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Squid, unid.	0.17	42.70	42.70	42.88	42.88
2005	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.15	0.15	0.15	0.15
2005	LE Trawl	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.21	0.21	0.21	0.21
2005	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.46	0.46	0.46	0.46
2005	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	0.22	0.22	0.22	0.22
2005	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	3.21	3.21	3.21	3.21
2005	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	16.69	16.69	16.69	16.69
2005	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Walleye pollock	5.00	0.33	0.33	5.33	5.33
2005	LE Trawl	ngf.	Other ngf.	White croaker	0.30	1.17	1.17	1.46	1.46
2005	LE Trawl	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2005	LE Trawl	ngf.	Other ngf.	White sturgeon	0.01	0.43	0.43	0.44	0.44
2005	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.38	0.80	0.80	1.18	1.18
2005	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.07	0.07	0.07	0.07
2005	LE Trawl	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2005	LE Trawl	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.03	0.03	0.03	0.03
2005	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.15	0.15	0.15	0.15
2005	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	9.57	9.57	9.57	9.57
2005	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	22.82	22.82	22.82	22.82
2005	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	250.96	250.96	250.96	250.96
2005	Nearshore	gf.	Big skate	Big skate	0.00	0.37	0.03	0.37	0.03
2005	Nearshore	gf.	Black rf. (CA)	Black rf.	73.65	1.68	0.58	75.33	74.24
2005	Nearshore	gf.	Black rf. (CA)	Nearshore rf., unid.	0.21	0.00	0.00	0.21	0.21
2005	Nearshore	gf.	Black rf. (OR)	Black rf.	96.87	4.31	1.08	101.18	97.94
2005	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.26	0.00	0.00	1.26	1.26
2005	Nearshore	gf.	Cabezon (CA)	Cabezon	30.84	16.93	1.19	47.78	32.03
2005	Nearshore	gf.	Cabezon (OR)	Cabezon	28.28	0.82	0.06	29.10	28.34
2005	Nearshore	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.48	1.27	0.09	2.75	1.57
2005	Nearshore	gf.	Canary rf.	Canary rf.	0.05	6.53	4.22	6.58	4.27
2005	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.20	0.00	0.00	0.20	0.20
2005	Nearshore	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.37	0.00	0.00	0.37	0.37
2005	Nearshore	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	gf.	ECS	Soupfin shark	0.17	0.00	0.00	0.17	0.17
2005	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.03	0.00	0.03	0.00
2005	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	29.24	30.03	2.10	59.28	31.35
2005	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	21.40	18.27	1.28	39.67	22.68
2005	Nearshore	gf.	LST (S of 34°27')	LST	0.09	0.00	0.00	0.09	0.09
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.49	0.00	0.00	0.49	0.49
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	17.33	6.93	2.34	24.26	19.67
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.87	0.00	0.00	0.87	0.87
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	4.56	0.37	0.11	4.93	4.67
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	2.44	0.02	0.01	2.46	2.45
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.09	0.00	0.00	0.09	0.09
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	2.01	0.00	0.00	2.01	2.01
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.58	0.00	0.00	0.58	0.58
2005	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	4.72	0.06	0.02	4.78	4.75
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	10.01	2.11	1.15	12.13	11.16
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	5.43	11.56	8.20	16.99	13.63
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	21.37	1.35	0.84	22.73	22.22
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	2.35	3.43	2.36	5.78	4.71
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	3.20	0.03	0.02	3.23	3.22

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	18.04	3.35	2.18	21.39	20.22
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	12.34	0.29	0.17	12.63	12.51
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.83	0.29	0.16	1.12	0.99
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	4.83	0.00	0.00	4.83	4.83
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.16	0.80	0.59	1.95	1.74
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.42	0.04	0.03	0.46	0.45
2005	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.81	0.33	0.21	1.13	1.01
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	0.02	0.02	0.07	0.07
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.03	0.01	0.00	0.04	0.03
2005	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.27	0.69	0.24	3.96	3.50
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.21	0.00	0.00	0.21	0.21
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.01	0.01	0.01	0.01
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.03	0.00	0.00	0.03	0.03
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.16	0.16	0.16	0.16
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.10	0.10	0.11	0.11
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.25	0.00	0.00	1.25	1.25
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	12.03	1.00	0.58	13.04	12.61
2005	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.31	0.04	0.02	0.35	0.33
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.06	0.00	0.00	0.06	0.06
2005	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.28	0.00	0.00	0.28	0.28
2005	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.98	0.00	0.00	1.98	1.98
2005	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.25	0.00	0.00	0.25	0.25
2005	Nearshore	gf.	Mixed thornyheads	SST/LST	0.29	0.00	0.00	0.29	0.29
2005	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.17	0.00	0.00	0.17	0.17
2005	Nearshore	gf.	Other flatfish	Pacific sanddab	0.00	0.13	0.01	0.13	0.01
2005	Nearshore	gf.	Other flatfish	Rock sole	0.00	0.04	0.00	0.04	0.01
2005	Nearshore	gf.	Other flatfish	Sand sole	0.06	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2005	Nearshore	gf.	Other gf.	Greenling, unid.	0.00	0.75	0.05	0.75	0.05
2005	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.76	3.15	0.22	4.91	1.98
2005	Nearshore	gf.	Other gf.	Kelp greenling (OR)	20.76	3.33	0.23	24.08	20.99
2005	Nearshore	gf.	Other gf.	Leopard shark	0.51	0.00	0.00	0.51	0.51
2005	Nearshore	gf.	Other rf.	Rockfish, unid.	0.76	0.00	0.00	0.76	0.76
2005	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	5.81	0.00	0.00	5.81	5.81
2005	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	2.07	0.00	0.00	2.07	2.07
2005	Nearshore	gf.	SST (S of 34°27')	SST	0.34	0.00	0.00	0.34	0.34
2005	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.03	2.00	0.14	2.03	0.17
2005	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	gf.	Starry flounder	Starry flounder	0.15	0.00	0.00	0.15	0.15
2005	Nearshore	gf.	Widow rf.	Widow rf.	0.17	0.06	0.03	0.24	0.20
2005	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	2.00	1.34	2.00	1.34
2005	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.84	0.63	0.16	2.47	1.99
2005	Nearshore	ngf.	CA halibut	CA halibut	1.11	0.00	0.00	1.11	1.11
2005	Nearshore	ngf.	Dungeness crab	Dungeness crab	9.42	0.01	0.01	9.44	9.44
2005	Nearshore	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.01	0.01	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.04	0.04	0.04	0.04
2005	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	4.03	4.03	4.03	4.03
2005	Nearshore	ngf.	Other ngf.	Bat ray	0.18	0.66	0.66	0.84	0.84
2005	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	10.26	10.26	10.26	10.26
2005	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.42	0.00	0.00	0.42	0.42
2005	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.59	2.59	2.59	2.59
2005	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.11	0.11	0.11	0.11
2005	Nearshore	ngf.	Other ngf.	CA barracuda	0.22	0.00	0.00	0.22	0.22
2005	Nearshore	ngf.	Other ngf.	CA moray	0.00	2.30	2.30	2.30	2.30
2005	Nearshore	ngf.	Other ngf.	CA sheephead	39.42	33.67	33.67	73.09	73.09
2005	Nearshore	ngf.	Other ngf.	CA spiny lobster	5.44	0.00	0.00	5.44	5.44
2005	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.03	0.03	0.03	0.03
2005	Nearshore	ngf.	Other ngf.	Crab, unid.	1.53	0.00	0.00	1.53	1.53
2005	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.62	0.00	0.00	0.62	0.62
2005	Nearshore	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.10	0.10	0.10	0.10
2005	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.19	0.19	0.19	0.19
2005	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.23	0.23	0.23	0.23
2005	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	16.17	16.17	16.17	16.17
2005	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.00	0.31	0.31	0.31	0.31
2005	Nearshore	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.03	0.03	0.03	0.03
2005	Nearshore	ngf.	Other ngf.	Mixed species	1.88	0.00	0.00	1.88	1.88
2005	Nearshore	ngf.	Other ngf.	Mollusc, unid.	2.79	0.07	0.07	2.87	2.87
2005	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.03	0.05	0.05	0.08	0.08
2005	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.66	0.66	0.66	0.66
2005	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.12	0.03	0.03	0.15	0.15
2005	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.02	0.02	0.02	0.02
2005	Nearshore	ngf.	Other ngf.	PHLB	0.00	2.20	2.20	2.20	2.20
2005	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.62	0.00	0.00	0.62	0.62
2005	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.31	0.31	0.31	0.31
2005	Nearshore	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	ngf.	Other ngf.	Plainfin midshipman	0.00	0.07	0.07	0.07	0.07
2005	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.01	0.01	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.27	0.27	0.27	0.27
2005	Nearshore	ngf.	Other ngf.	Red rock crab	8.38	0.30	0.30	8.69	8.69
2005	Nearshore	ngf.	Other ngf.	Red urchin	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.02	0.02	0.02	0.02
2005	Nearshore	ngf.	Other ngf.	Round stingray	0.00	0.02	0.02	0.02	0.02
2005	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.11	0.11	0.11	0.11
2005	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.06	0.06	0.06	0.06
2005	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.04	0.50	0.50	0.53	0.53
2005	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.02	0.06	0.06	0.07	0.07
2005	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	22.28	22.28	22.28	22.28
2005	Nearshore	ngf.	Other ngf.	Shark, unid.	0.22	0.00	0.00	0.22	0.22
2005	Nearshore	ngf.	Other ngf.	Shovelnose guitarfish	0.00	1.46	1.46	1.46	1.46
2005	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.69	0.00	0.00	0.69	0.69
2005	Nearshore	ngf.	Other ngf.	Skate, unid.	0.26	0.00	0.00	0.26	0.26
2005	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Spot prawn	4.38	0.00	0.00	4.38	4.38
2005	Nearshore	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.05	0.05	0.05	0.05
2005	Nearshore	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01
2005	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.04	0.04	0.04	0.04
2005	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.39	0.01	0.01	0.39	0.39
2005	Nearshore	ngf.	Other ngf.	Swell shark	0.00	1.04	1.04	1.04	1.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Nearshore	ngf.	Other ngf.	Thornback	0.00	0.16	0.16	0.16	0.16
2005	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2005	Nearshore	ngf.	Other ngf.	White croaker	0.17	0.44	0.44	0.61	0.61
2005	Nearshore	ngf.	Other ngf.	White sea bass	0.12	0.00	0.00	0.12	0.12
2005	Nearshore	ngf.	Other ngf.	Wolf-eel	0.00	0.27	0.27	0.27	0.27
2005	Nearshore	ngf.	Other ngf.	Yellowfin tuna	0.02	0.00	0.00	0.02	0.02
2005	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.19	0.00	0.00	0.19	0.19
2005	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.04	0.00	0.00	0.04	0.04
2005	OA CA Halibut	gf.	Big skate	Big skate	0.00	23.86	11.93	23.86	11.93
2005	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.02	0.02	0.03	0.03
2005	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	gf.	ECS	CA skate	0.00	25.14	25.14	25.14	25.14
2005	OA CA Halibut	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.07	0.07	0.07	0.07
2005	OA CA Halibut	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08
2005	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.04	0.04	0.04	0.04
2005	OA CA Halibut	gf.	English sole	English sole	0.01	2.02	2.02	2.04	2.04
2005	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.04	1.12	0.56	1.16	0.60
2005	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.75	0.37	0.75	0.37
2005	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.21	0.21	0.21	0.21
2005	OA CA Halibut	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	2.40	2.40	2.40	2.40
2005	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.34	0.01	0.01	0.35	0.35
2005	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.54	3.09	3.09	3.64	3.64
2005	OA CA Halibut	gf.	Other flatfish	Rex sole	0.01	0.03	0.03	0.04	0.04
2005	OA CA Halibut	gf.	Other flatfish	Rock sole	0.05	0.11	0.11	0.16	0.16
2005	OA CA Halibut	gf.	Other flatfish	Sand sole	1.63	0.51	0.51	2.14	2.14
2005	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.01	0.93	0.93	0.94	0.94
2005	OA CA Halibut	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	gf.	Other gf.	Leopard shark	0.02	1.51	1.51	1.53	1.53
2005	OA CA Halibut	gf.	Pacific hake	Pacific hake	0.00	3.23	3.23	3.23	3.23
2005	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.28	0.43	0.43	0.71	0.71
2005	OA CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	11.90	11.90	11.90	11.90
2005	OA CA Halibut	gf.	Starry flounder	Starry flounder	4.91	4.03	4.03	8.94	8.94
2005	OA CA Halibut	ngf.	CA halibut	CA halibut	64.51	5.43	5.43	69.94	69.94
2005	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	172.93	172.93	172.93	172.93
2005	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.04	0.04	0.04	0.04
2005	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08
2005	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.07	0.07	0.07	0.07
2005	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	7.24	7.24	7.24	7.24
2005	OA CA Halibut	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.02	2.02	2.02	2.02
2005	OA CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.13	0.13	0.13	0.13
2005	OA CA Halibut	ngf.	Other ngf.	CA moray	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Dusky sculpin	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.04	0.04	0.04	0.04
2005	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	4.21	4.21	4.21	4.21
2005	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.14	0.14	0.14	0.14
2005	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	12.57	12.57	12.57	12.57
2005	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.11	0.11	0.11	0.11
2005	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.18	0.18	0.18	0.18
2005	OA CA Halibut	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.11	0.00	0.00	0.11	0.11
2005	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.27	1.27	1.27	1.27
2005	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.03	0.03	0.03	0.03
2005	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.04	0.04	0.04	0.04
2005	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	2.20	2.20	2.21	2.21
2005	OA CA Halibut	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Round stingray	0.00	0.35	0.35	0.35	0.35
2005	OA CA Halibut	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	1.73	1.73	1.73	1.73

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA CA Halibut	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2005	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.03	0.03	0.03	0.03
2005	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.17	0.00	0.00	0.17	0.17
2005	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.10	0.10	0.10	0.10
2005	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	1.42	1.42	1.42	1.42
2005	OA CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.18	0.95	0.95	1.13	1.13
2005	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.09	0.09	0.09	0.09
2005	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.02	0.02	0.02	0.02
2005	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.40	0.40	0.40	0.40
2005	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	2.26	2.26	2.26	2.26
2005	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2005	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.86	0.86	0.86	0.86
2005	OA CA Halibut	ngf.	Other ngf.	White croaker	0.00	0.31	0.31	0.31	0.31
2005	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.41	0.03	0.03	0.44	0.44
2005	OA CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.37	0.37	0.37	0.37
2005	OA CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.20	0.20	0.20	0.20
2005	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.30	0.28	0.28	0.58	0.58
2005	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2005	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.09	0.00	0.00	0.09	0.09
2005	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.82	0.00	0.00	0.82	0.82
2005	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.02	0.00	0.00	0.02	0.02
2005	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.03	0.00	0.00	0.03	0.03
2005	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.26	0.00	0.00	0.26	0.26
2005	OA FG – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.85	0.00	0.00	1.85	1.85
2005	OA FG – H&L	gf.	Dover sole	Dover sole	0.24	1.83	1.83	2.07	2.07
2005	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	2.29	2.29	2.29	2.29
2005	OA FG – H&L	gf.	ECS	Grenadier, unid.	33.86	6.76	6.76	40.62	40.62
2005	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	1.64	1.64	1.64	1.64
2005	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	2.61	2.61	2.61	2.61
2005	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.62	0.62	0.62	0.62
2005	OA FG – H&L	gf.	ECS	Soupfin shark	0.37	0.00	0.00	0.37	0.37
2005	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.48	0.48	0.48	0.48
2005	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	15.64	0.00	0.00	15.64	15.64
2005	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	3.80	0.00	0.00	3.80	3.80

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	31.08	15.54	31.08	15.54
2005	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.01	0.64	0.64	0.65	0.65
2005	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.72	0.00	0.00	0.72	0.72
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.05	0.00	0.00	0.05	0.05
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.06	0.00	0.00	0.06	0.06
2005	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.05	0.00	0.00	0.05	0.05
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.12	0.00	0.00	0.12	0.12
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.17	0.00	0.00	0.17	0.17
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.00	0.00	0.02	0.02
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.11	0.00	0.00	0.11	0.11
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2005	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.24	0.00	0.00	0.24	0.24
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.11	0.00	0.00	0.11	0.11
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.08	0.00	0.00	0.08	0.08
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.02	0.02	0.02	0.02
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	2.32	0.00	0.00	2.32	2.32
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.02	0.02	0.03	0.03
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.02	0.00	0.00	0.02	0.02
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.93	0.00	0.00	1.93	1.93
2005	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.52	0.00	0.00	0.52	0.52
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.14	0.00	0.00	0.14	0.14
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.11	0.00	0.00	3.11	3.11
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.30	0.00	0.00	5.30	5.30
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.14	0.14	0.14	0.14
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.38	0.00	0.00	1.38	1.38
2005	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.04	0.06	0.06	0.10	0.10
2005	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.40	0.00	0.00	1.40	1.40
2005	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	11.93	0.00	0.00	11.93	11.93
2005	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	3.82	0.00	0.00	3.82	3.82
2005	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.45	0.00	0.00	0.45	0.45
2005	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Other flatfish	Rock sole	0.07	0.00	0.00	0.07	0.07
2005	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	0.72	0.00	0.00	0.72	0.72
2005	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	gf.	Other gf.	Leopard shark	5.22	0.72	0.72	5.94	5.94
2005	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.65	0.00	0.00	0.65	0.65
2005	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.57	0.00	0.00	0.57	0.57
2005	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.21	0.21	0.21	0.21
2005	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.33	0.00	0.00	0.33	0.33
2005	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.01	0.04	0.04	0.05	0.05
2005	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	515.07	45.55	9.11	560.62	524.18
2005	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	5.17	0.00	0.00	5.17	5.17
2005	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.23	7.41	7.41	7.64	7.64
2005	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.25	0.00	0.00	0.25	0.25
2005	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	3.31	39.99	19.99	43.30	23.31
2005	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.08	0.00	0.00	0.08	0.08
2005	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.05	0.00	0.00	0.05	0.05
2005	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.04	0.00	0.00	0.04	0.04
2005	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.61	0.00	0.00	0.61	0.61
2005	OA FG – H&L	ngf.	CA halibut	CA halibut	0.23	0.00	0.00	0.23	0.23
2005	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2005	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.25	0.00	0.00	0.25	0.25
2005	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	5.09	5.09	5.09	5.09
2005	OA FG – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.62	0.62	0.62	0.62
2005	OA FG – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	ngf.	Other ngf.	Croaker, unid.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	1.15	1.15	1.15	1.15
2005	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.05	0.05	0.05	0.05
2005	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2005	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2005	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2005	OA FG – H&L	ngf.	Other ngf.	PHLB	2.50	57.01	0.00	59.52	2.50
2005	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.47	0.47	0.47	0.47
2005	OA FG – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.04	0.04	0.04	0.04
2005	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.28	0.28	0.28	0.28
2005	OA FG – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.04	0.04	0.04	0.04
2005	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.11	3.31	3.31	3.41	3.41
2005	OA FG – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.21	0.21	0.21	0.21
2005	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	4.87	1.73	1.73	6.60	6.60
2005	OA FG – H&L	ngf.	Other ngf.	Skipjack tuna	0.10	0.00	0.00	0.10	0.10
2005	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	1.00	0.00	0.00	1.00	1.00
2005	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.18	0.00	0.00	0.18	0.18
2005	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.06	0.00	0.00	0.06	0.06
2005	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.10	0.10	0.10	0.10
2005	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.28	0.28	0.28	0.28
2005	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.22	0.22	0.22	0.22
2005	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.27	0.27	0.27	0.27
2005	OA FG – Pot	gf.	Dover sole	Dover sole	0.09	0.40	0.40	0.49	0.49
2005	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.19	0.00	0.00	0.19	0.19
2005	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.00	0.00	0.30	0.30
2005	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.08	0.21	0.21	0.29	0.29
2005	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.09	0.09	0.09	0.09
2005	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.08	0.02	0.02	0.10	0.10
2005	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.06	0.00	0.00	0.06	0.06
2005	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2005	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.13	0.13	0.13	0.13
2005	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.08	0.07	0.07	0.15	0.15
2005	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.09	0.09	0.10	0.10
2005	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.62	0.00	0.00	0.62	0.62
2005	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.07	0.00	0.00	0.07	0.07
2005	OA FG – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2005	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.37	0.00	0.00	0.37	0.37
2005	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.03	0.03	0.03	0.03
2005	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	366.28	82.11	16.42	448.40	382.71
2005	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	11.00	0.01	0.00	11.02	11.00
2005	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.00	0.23	0.23	0.23	0.23
2005	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.02	0.01	0.01	0.03	0.03
2005	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.07	0.07	0.07	0.07
2005	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	3.29	0.09	0.09	3.38	3.38

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2005	OA FG – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2005	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2005	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.51	0.00	0.00	0.51	0.51
2005	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.06	0.00	0.00	0.06	0.06
2005	OA FG – Pot	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	2.79	2.79	2.79	2.79
2005	OA FG – Pot	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2005	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	5.01	0.00	0.00	5.01	5.01
2005	OA FG – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.02	0.00	0.00	0.02	0.02
2005	OA FG – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.09	0.09	0.09	0.09
2005	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.01	0.40	0.40	0.41	0.41
2005	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.79	0.00	0.79	0.00
2005	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.95	0.00	0.00	0.95	0.95
2005	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2005	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.19	0.19	0.19	0.19
2005	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.08	0.00	0.00	0.08	0.08
2005	OA FG – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2005	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.78	0.78	0.78	0.78
2005	OA FG – Pot	ngf.	Other ngf.	Spot prawn	0.04	0.00	0.00	0.04	0.04
2005	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.22	0.22	0.22	0.22
2005	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.75	0.00	0.00	0.75	0.75
2005	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2005	PHLB Derby	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2005	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.51	0.00	0.00	1.51	1.51
2005	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.11	0.00	0.00	0.11	0.11
2005	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.27	0.00	0.00	0.27	0.27
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.42	0.00	0.00	0.42	0.42
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.19	0.00	0.00	0.19	0.19
2005	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2005	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	46.24	0.00	0.00	46.24	46.24
2005	PHLB Derby	gf.	SST (N of 34°27')	SST	0.20	0.00	0.00	0.20	0.20
2005	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2005	PHLB Derby	ngf.	Other ngf.	Blue shark	0.06	0.00	0.00	0.06	0.06
2005	PHLB Derby	ngf.	Other ngf.	Skate, unid.	2.60	0.00	0.00	2.60	2.60
2005	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	13.58	13.58	13.60	13.60
2005	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	gf.	Cabezon (OR)	Cabezon	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.44	0.44	0.44	0.44
2005	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	13.57	13.57	13.57	13.57
2005	Pink Shrimp	gf.	Dover sole	Dover sole	0.03	18.35	18.35	18.37	18.37
2005	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.07	0.07	0.07	0.07
2005	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.50	0.50	0.50	0.50
2005	Pink Shrimp	gf.	English sole	English sole	0.00	1.63	1.63	1.63	1.63
2005	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.73	0.73	0.74	0.74
2005	Pink Shrimp	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	1.54	1.54	1.54	1.54
2005	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.03	0.03	0.03	0.03
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	2.62	2.62	2.62	2.62
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.17	0.17	0.17	0.17
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.31	0.31	0.31	0.31
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	3.76	3.76	3.76	3.76
2005	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.12	0.12	0.12	0.12
2005	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.04	0.04	0.04	0.04
2005	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	3.76	3.76	3.76	3.76
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.07	0.07	0.07	0.07
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.19	0.19	0.19	0.19
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.08	0.08	0.08	0.08
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.17	0.17	0.17	0.17
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2005	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	5.40	5.40	5.40	5.40
2005	Pink Shrimp	gf.	Other flatfish	Butter sole	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	0.83	0.83	0.83	0.83
2005	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	3.18	3.18	3.18	3.18
2005	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	12.88	12.88	12.88	12.88
2005	Pink Shrimp	gf.	Other flatfish	Rex sole	0.01	40.05	40.05	40.05	40.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	682.49	682.49	682.49	682.49
2005	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	2.58	2.58	2.58	2.58
2005	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.03	1.77	1.77	1.80	1.80
2005	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.37	0.37	0.37	0.37
2005	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	1.91	1.91	1.91	1.91
2005	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.19	1.19	1.19	1.19
2005	Pink Shrimp	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2005	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	81.56	81.56	81.56	81.56
2005	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.46	0.46	0.46	0.46
2005	Pink Shrimp	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	1.94	1.94	1.94	1.94
2005	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.44	0.44	0.44	0.44
2005	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	1.69	1.69	1.69	1.69
2005	Pink Shrimp	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.10	0.10	0.10	0.10
2005	Pink Shrimp	ngf.	Other ngf.	CA tonguefish	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	3.30	3.30	3.30	3.30
2005	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Giant wrymouth	0.00	0.16	0.16	0.16	0.16
2005	Pink Shrimp	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	2.91	2.91	2.91	2.91
2005	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.31	2.31	2.31	2.31
2005	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	1.27	1.27	1.27	1.27
2005	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	6.28	6.28	6.28	6.28
2005	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.09	0.09	0.09	0.09
2005	Pink Shrimp	ngf.	Other ngf.	Longspine combfish	0.00	0.06	0.06	0.06	0.06
2005	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.47	0.47	0.47	0.47
2005	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	1.05	1.05	1.05	1.05
2005	Pink Shrimp	ngf.	Other ngf.	Northern ronquil	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.42	0.42	0.42	0.42
2005	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	1.59	1.59	1.59	1.59
2005	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	3.55	3.55	3.55	3.55
2005	Pink Shrimp	ngf.	Other ngf.	PHLB	0.00	0.04	0.04	0.04	0.04
2005	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	13.57	13.57	13.57	13.57
2005	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	2.51	2.51	2.51	2.51
2005	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.21	0.21	0.21	0.21
2005	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	2.03	2.03	2.03	2.03
2005	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.04	0.04	0.04	0.04
2005	Pink Shrimp	ngf.	Other ngf.	Pygmy poacher	0.00	0.17	0.17	0.17	0.17
2005	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.36	0.36	0.36	0.36
2005	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.71	0.71	0.71	0.71
2005	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	2.32	2.32	2.32	2.32
2005	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2005	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	6.17	6.17	6.17	6.17
2005	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.04	0.04	0.04	0.04
2005	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.19	0.19	0.19	0.19
2005	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	2.37	2.37	2.37	2.37
2005	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.06	0.06	0.06	0.06
2005	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.03	0.03	0.03	0.03
2005	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	10860.31	0.00	0.00	10860.31	10860.31
2005	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	286.94	286.94	286.94	286.94
2005	Pink Shrimp	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.50	0.50	0.50	0.50
2005	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2005	Pink Shrimp	ngf.	Shared ECS	Lightfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	21.91	21.91	21.91	21.91
2005	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	1.83	1.83	1.83	1.83
2005	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	1.66	1.66	1.66	1.66

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	6.05	6.05
2005	Research	gf.	Black rf.	Black rf.	0.00	0.00	0.00	0.01	0.01
2005	Research	gf.	Bocaccio rf.	Bocaccio rf.	0.00	0.00	0.00	1.76	1.76
2005	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	2.32	2.32
2005	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	13.37	13.37
2005	Research	gf.	Cowcod (N of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.02	0.02
2005	Research	gf.	Cowcod (S of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.10	0.10
2005	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	2.08	2.08
2005	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	29.83	29.83
2005	Research	gf.	English sole	English sole	0.00	0.00	0.00	4.39	4.39
2005	Research	gf.	Groundfish, unid.	Groundfish, unid.	0.00	0.00	0.00	18.88	18.88
2005	Research	gf.	Lingcod	Lingcod	0.00	0.00	0.00	4.54	4.54
2005	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	9.40	9.40
2005	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.94	0.94
2005	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	1.18	1.18
2005	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2005	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.17	0.17
2005	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.13	0.13
2005	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.44	0.44
2005	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	3.04	3.04
2005	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.60	0.60
2005	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.06	0.06
2005	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.27	0.27
2005	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2005	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	13.48	13.48
2005	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2005	Research	gf.	Other gf.	Cabezon (coast)	0.00	0.00	0.00	0.00	0.00
2005	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.02	0.02
2005	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	14.18	14.18
2005	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.23	0.23
2005	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	60.86	60.86
2005	Research	gf.	POP	POP	0.00	0.00	0.00	1.84	1.84
2005	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	3.51	3.51
2005	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	15.56	15.56
2005	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	2.17	2.17
2005	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	8.21	8.21
2005	Research	gf.	SST	SST	0.00	0.00	0.00	4.68	4.68
2005	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	14.81	14.81
2005	Research	gf.	Splitnose rf.	Splitnose rf.	0.00	0.00	0.00	7.08	7.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	1.11	1.11
2005	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.64	0.64
2005	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	4.73	4.73
2005	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.04	0.04
2005	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	2.53	2.53
2005	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.17	0.00	0.00	0.17	0.17
2005	RBPT	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2005	RBPT	gf.	English sole	English sole	0.24	0.00	0.00	0.24	0.24
2005	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2005	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2005	RBPT	gf.	Other flatfish	Flatfish, unid.	0.65	0.00	0.00	0.65	0.65
2005	RBPT	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2005	RBPT	ngf.	CA halibut	CA halibut	0.68	0.00	0.00	0.68	0.68
2005	RBPT	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2005	RBPT	ngf.	Other ngf.	Market squid	0.05	0.00	0.00	0.05	0.05
2005	RBPT	ngf.	Other ngf.	Mixed species	0.32	0.00	0.00	0.32	0.32
2005	RBPT	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2005	RBPT	ngf.	Other ngf.	Pacific angel shark	0.04	0.00	0.00	0.04	0.04
2005	RBPT	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2005	RBPT	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2005	RBPT	ngf.	Other ngf.	Red rock crab	0.03	0.00	0.00	0.03	0.03
2005	RBPT	ngf.	Other ngf.	Ridgeback prawn	25.55	0.00	0.00	25.55	25.55
2005	RBPT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2005	RBPT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2005	RBPT	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2005	RBPT	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01
2005	RBPT	ngf.	Other ngf.	White croaker	4.66	0.00	0.00	4.66	4.66
2005	SCT	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	SCT	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2005	SCT	ngf.	CA halibut	CA halibut	0.00	0.00	0.00	0.00	0.00
2005	SCT	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2005	SCT	ngf.	Other ngf.	Sea cucumber, unid.	103.54	0.00	0.00	103.54	103.54
2005	SCT	ngf.	Other ngf.	Spot prawn	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.91	0.00	0.00	0.91	0.91
2005	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.24	0.00	0.00	2.24	2.24
2005	Shoreside Hake	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.15	0.00	0.00	0.15	0.15
2005	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	5.51	0.00	0.00	5.51	5.51

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Shoreside Hake	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2005	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2005	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	5.94	0.00	0.00	5.94	5.94
2005	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	LST (S of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2005	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2005	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	25.76	0.00	0.00	25.76	25.76
2005	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.12	0.00	0.00	0.12	0.12
2005	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.16	0.00	0.00	1.16	1.16
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.19	0.00	0.00	0.19	0.19
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	3.17	0.00	0.00	3.17	3.17
2005	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.57	0.00	0.00	0.57	0.57
2005	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.38	0.00	0.00	0.38	0.38
2005	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2005	Shoreside Hake	gf.	Other flatfish	Rex sole	0.15	0.00	0.00	0.15	0.15
2005	Shoreside Hake	gf.	Pacific cod	Pacific cod	1.20	0.00	0.00	1.20	1.20
2005	Shoreside Hake	gf.	Pacific hake	Pacific hake	97627.84	0.00	0.00	97627.84	97627.84
2005	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.52	0.00	0.00	0.52	0.52
2005	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	22.45	0.00	0.00	22.45	22.45
2005	Shoreside Hake	gf.	Sablefish (S of 36°)	Sablefish	0.07	0.00	0.00	0.07	0.07
2005	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.29	0.00	0.00	0.29	0.29
2005	Shoreside Hake	gf.	SST (S of 34°27')	SST	0.17	0.00	0.00	0.17	0.17
2005	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	95.60	0.00	0.00	95.60	95.60
2005	Shoreside Hake	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Widow rf.	Widow rf.	77.24	0.00	0.00	77.24	77.24
2005	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2005	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	172.69	0.00	0.00	172.69	172.69
2005	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.04	0.00	0.00	0.04	0.04
2005	Shoreside Hake	ngf.	Other ngf.	Albacore tuna	0.28	0.00	0.00	0.28	0.28

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Shoreside Hake	ngf.	Other ngf.	American shad	153.44	0.00	0.00	153.44	153.44
2005	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.03	0.00	0.00	0.03	0.03
2005	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.74	0.00	0.00	0.74	0.74
2005	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.33	0.00	0.00	0.33	0.33
2005	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	77.02	0.00	0.00	77.02	77.02
2005	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	3.85	0.00	0.00	3.85	3.85
2005	Shoreside Hake	ngf.	Other ngf.	Market squid	9.54	0.00	0.00	9.54	9.54
2005	Shoreside Hake	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2005	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2005	Shoreside Hake	ngf.	Other ngf.	Pacific herring	7.36	0.00	0.00	7.36	7.36
2005	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	2.11	0.00	0.00	2.11	2.11
2005	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	8.74	0.00	0.00	8.74	8.74
2005	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	2.01	0.00	0.00	2.01	2.01
2005	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.93	0.00	0.00	0.93	0.93
2005	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	0.06	0.00	0.00	0.06	0.06
2005	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	189.83	0.00	0.00	189.83	189.83
2005	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	2.30	2.30	2.33	2.33
2005	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.03	0.03	0.03	0.03
2005	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.40	0.01	0.01	0.41	0.41
2005	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2005	Tribal A-S Hake	gf.	ECS	Soupfin shark	0.00	0.50	0.50	0.50	0.50
2005	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.35	0.64	0.64	0.99	0.99
2005	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.23	0.02	0.02	0.26	0.26
2005	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.07	0.00	0.00	0.07	0.07
2005	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2005	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.00	0.03	0.03	0.04	0.04
2005	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	23561.63	0.00	0.00	23561.63	23561.63
2005	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.06	0.00	0.00	0.06	0.06
2005	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2005	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	6.87	278.36	278.36	285.23	285.23
2005	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	1.39	0.00	0.00	1.39	1.39
2005	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	39.16	0.08	0.08	39.24	39.24
2005	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.01	16.13	16.13	16.15	16.15
2005	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	0.93	0.93	0.93	0.93
2005	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.12	0.12	0.12	0.12
2005	Tribal A-S Hake	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02
2005	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2005	Tribal A-S Hake	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.30	0.30	0.30	0.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.18	0.18	0.18	0.18
2005	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	0.10	0.10	0.10	0.10
2005	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2005	Tribal A-S Hake	ngf.	Other ngf.	Salmon shark	0.00	0.20	0.20	0.20	0.20
2005	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.05	0.05
2005	Tribal A-S Hake	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2005	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	349.43	66.88	66.88	416.31	416.31
2005	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	158.35	0.00	0.00	158.35	158.35
2005	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2005	Tribal Shoreside	gf.	Canary rf.	Canary rf.	4.30	0.00	0.00	4.30	4.30
2005	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.08	0.00	0.00	0.08	0.08
2005	Tribal Shoreside	gf.	Dover sole	Dover sole	144.99	0.00	0.00	144.99	144.99
2005	Tribal Shoreside	gf.	English sole	English sole	65.91	0.00	0.00	65.91	65.91
2005	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	29.90	0.00	0.00	29.90	29.90
2005	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.19	0.00	0.00	0.19	0.19
2005	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.16	0.00	0.00	0.16	0.16
2005	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.08	0.00	0.00	0.08	0.08
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.20	0.00	0.00	2.20	2.20
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	1.69	0.00	0.00	1.69	1.69
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	4.18	0.00	0.00	4.18	4.18
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.49	0.00	0.00	0.49	0.49
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.64	0.00	0.00	0.64	0.64
2005	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.15	0.00	0.00	0.15	0.15
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.04	0.00	0.00	0.04	0.04
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.16	0.00	0.00	0.16	0.16
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.64	0.00	0.00	5.64	5.64
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	19.76	0.00	0.00	19.76	19.76
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.34	0.00	0.00	0.34	0.34
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.96	0.00	0.00	0.96	0.96
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.71	0.00	0.00	1.71	1.71
2005	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2005	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	29.18	0.00	0.00	29.18	29.18
2005	Tribal Shoreside	gf.	Other flatfish	Rex sole	13.72	0.00	0.00	13.72	13.72
2005	Tribal Shoreside	gf.	Other flatfish	Rock sole	2.31	0.00	0.00	2.31	2.31
2005	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.46	0.00	0.00	0.46	0.46
2005	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	1.16	0.00	0.00	1.16	1.16
2005	Tribal Shoreside	gf.	Pacific cod	Pacific cod	123.72	0.00	0.00	123.72	123.72
2005	Tribal Shoreside	gf.	Pacific hake	Pacific hake	11422.31	0.00	0.00	11422.31	11422.31
2005	Tribal Shoreside	gf.	POP (N of 40°10')	POP	3.45	0.00	0.00	3.45	3.45

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2005	Tribal Shoreside	gf.	Petrale sole	Petrale sole	29.68	0.00	0.00	29.68	29.68
2005	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	699.84	0.00	0.00	699.84	699.84
2005	Tribal Shoreside	gf.	SST (N of 34°27')	SST	10.79	0.00	0.00	10.79	10.79
2005	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	5.95	0.00	0.00	5.95	5.95
2005	Tribal Shoreside	gf.	Starry flounder	Starry flounder	1.26	0.00	0.00	1.26	1.26
2005	Tribal Shoreside	gf.	Widow rf.	Widow rf.	28.58	0.00	0.00	28.58	28.58
2005	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.83	0.00	0.00	0.83	0.83
2005	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	542.08	0.00	0.00	542.08	542.08
2005	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	2276.74	0.00	0.00	2276.74	2276.74
2005	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	6.32	0.00	0.00	6.32	6.32
2005	Tribal Shoreside	ngf.	Other ngf.	American shad	1.84	0.00	0.00	1.84	1.84
2005	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.03	0.00	0.00	0.03	0.03
2005	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	1.14	0.00	0.00	1.14	1.14
2005	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2005	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.03	0.00	0.00	0.03	0.03
2005	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	23.41	0.00	0.00	23.41	23.41
2005	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01
2005	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	19.60	0.00	0.00	19.60	19.60
2005	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.01	0.00	0.00	0.01	0.01
2006	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.06	0.06	0.12	0.12
2006	A-S Hake CP	gf.	Big skate	Big skate	0.05	0.06	0.06	0.12	0.12
2006	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.03	0.07	0.07	0.10	0.10
2006	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	4.30	2.54	2.54	6.84	6.84
2006	A-S Hake CP	gf.	Dover sole	Dover sole	0.03	0.00	0.00	0.03	0.03
2006	A-S Hake CP	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.12	0.12	0.12	0.12
2006	A-S Hake CP	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.04	0.11	0.11	0.16	0.16
2006	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.01	0.06	0.06	0.07	0.07
2006	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.05	2.52	2.52	2.58	2.58
2006	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.01	0.01
2006	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.01	0.01	0.02	0.02
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.75	4.32	4.32	6.06	6.06
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.22	0.08	0.08	0.30	0.30
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.32	0.35	0.35	0.67	0.67
2006	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.01	0.01	0.02	0.02
2006	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Other flatfish	Rex sole	0.25	0.02	0.02	0.27	0.27
2006	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	gf.	Pacific hake	Pacific hake	78246.29	1879.52	1879.52	80125.80	80125.80
2006	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.21	0.55	0.55	0.76	0.76
2006	A-S Hake CP	gf.	Roundfish, unid.	Roundfish, unid.	0.00	0.00	0.00	0.01	0.01
2006	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	1.71	0.18	0.18	1.89	1.89
2006	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.06	0.24	0.24	0.31	0.31
2006	A-S Hake CP	gf.	SST (N of 34°27')	SST	0.39	0.10	0.10	0.49	0.49
2006	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	1.63	4.46	4.46	6.09	6.09
2006	A-S Hake CP	gf.	Widow rf.	Widow rf.	32.97	35.00	35.00	67.97	67.97
2006	A-S Hake CP	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2006	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.08	3.39	3.39	3.47	3.47
2006	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	American shad	0.03	1.26	1.26	1.29	1.29
2006	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.19	0.19	0.19	0.19
2006	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	7.53	3.08	3.08	10.62	10.62
2006	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.41	0.41	0.41	0.41
2006	A-S Hake CP	ngf.	Other ngf.	Coral/bryozoan, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	0.26	864.49	864.49	864.74	864.74
2006	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	0.80	0.64	0.64	1.44	1.44
2006	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.04	1.00	1.00	1.03	1.03
2006	A-S Hake CP	ngf.	Other ngf.	King of the salmon	16.03	12.77	12.77	28.80	28.80
2006	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.02	0.01	0.01	0.02	0.02
2006	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.07	0.05	0.05	0.12	0.12
2006	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.04	0.01	0.01	0.04	0.04
2006	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.06	0.11	0.11	0.17	0.17
2006	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2006	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.11	0.11	0.11	0.11
2006	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.01	0.26	0.26	0.28	0.28
2006	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.04	0.01	0.01	0.04	0.04
2006	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.28	0.28	0.28	0.28
2006	A-S Hake CP	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake CP	ngf.	Other ngf.	Ragfish	6.01	4.21	4.21	10.21	10.21
2006	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	3.77	3.77	3.77	3.77
2006	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Smalleye squaretail	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	38.65	37.78	37.78	76.43	76.43
2006	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.01	0.01	0.01	0.02	0.02
2006	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.06	0.02	0.02	0.08	0.08
2006	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.03	0.05	0.05	0.08	0.08
2006	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.73	0.24	0.24	0.96	0.96
2006	A-S Hake MSCV	gf.	Big skate	Big skate	0.03	0.46	0.46	0.49	0.49
2006	A-S Hake MSCV	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.34	0.51	0.51	0.85	0.85
2006	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.57	3.74	3.74	4.31	4.31
2006	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.04	0.78	0.78	0.82	0.82
2006	A-S Hake MSCV	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	1.21	1.73	1.73	2.94	2.94
2006	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.04	0.04	0.04	0.04
2006	A-S Hake MSCV	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.08	0.02	0.02	0.10	0.10
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.06	1.26	1.26	1.31	1.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.19	0.19	0.21	0.21
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.03	0.03	0.03	0.03
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.32	0.26	0.26	0.58	0.58
2006	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.09	0.09	0.11	0.11
2006	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.38	0.38	0.39	0.39
2006	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.01	0.05	0.05	0.06	0.06
2006	A-S Hake MSCV	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.04	0.01	0.01	0.05	0.05
2006	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	54138.79	368.36	368.36	54507.15	54507.15
2006	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.62	1.29	1.29	1.91	1.91
2006	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.21	0.32	0.32	0.53	0.53
2006	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	11.24	11.24	11.24	11.24
2006	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.02	0.02	0.02	0.03	0.03
2006	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	3.34	13.84	13.84	17.18	17.18
2006	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	31.47	41.23	41.23	72.71	72.71
2006	A-S Hake MSCV	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.01	0.01	0.02	0.02
2006	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	22.83	37.10	37.10	59.93	59.93
2006	A-S Hake MSCV	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Non-FMP flatfish	Yellowfin sole	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	American shad	3.16	20.37	20.37	23.53	23.53
2006	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.15	0.15	0.15	0.15
2006	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.10	0.10	0.10	0.10
2006	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	2.69	2.69	2.69	2.69
2006	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.06	6.73	6.73	6.79	6.79
2006	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.02	0.21	0.21	0.22	0.22

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.38	0.72	0.72	1.10	1.10
2006	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2006	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.02	0.02	0.02	0.02
2006	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.01	0.00	0.00	0.01	0.01
2006	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.53	0.53	0.53	0.53
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	9.62	9.62	9.62	9.62
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	2.08	1.69	1.69	3.77	3.77
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.17	0.07	0.07	0.25	0.25
2006	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.15	0.15	0.15	0.15
2006	A-S Hake MSCV	ngf.	Other ngf.	Pelagic octopus, unid.	0.01	0.00	0.00	0.01	0.01
2006	A-S Hake MSCV	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.16	0.24	0.24	0.39	0.39
2006	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.11	0.11	0.11	0.11
2006	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	0.34	0.34	0.34	0.34
2006	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	3.33	13.59	13.59	16.93	16.93
2006	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2006	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2006	CS – BT	ngf.	Other ngf.	PHLB	0.00	390.91	242.47	390.91	242.47
2006	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	1.68	0.00	0.00	1.68	1.68
2006	Incidental	gf.	Black rf. (CA)	Black rf.	0.28	0.00	0.00	0.28	0.28
2006	Incidental	gf.	Black rf. (OR)	Black rf.	0.29	0.00	0.00	0.29	0.29
2006	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.57	0.00	0.00	0.57	0.57
2006	Incidental	gf.	Cabezon (CA)	Cabezon	0.13	0.00	0.00	0.13	0.13
2006	Incidental	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.65	0.00	0.00	1.65	1.65
2006	Incidental	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.22	0.00	0.00	0.22	0.22
2006	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.13	0.00	0.00	0.13	0.13
2006	Incidental	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2006	Incidental	gf.	ECS	Grenadier, unid.	0.19	0.00	0.00	0.19	0.19
2006	Incidental	gf.	ECS	Soupfin shark	25.54	0.00	0.00	25.54	25.54
2006	Incidental	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	English sole	English sole	0.40	0.00	0.00	0.40	0.40

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	4.83	0.00	0.00	4.83	4.83
2006	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	1.84	0.00	0.00	1.84	1.84
2006	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.02	0.00	0.00	0.02	0.02
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.15	0.00	0.00	0.15	0.15
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.05	0.00	0.00	0.05	0.05
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.03	0.00	0.00	0.03	0.03
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.03	0.00	0.00	0.03	0.03
2006	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.12	0.00	0.00	0.12	0.12
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.05	0.00	0.00	0.05	0.05
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.21	0.00	0.00	0.21	0.21
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.05	0.00	0.00	0.05	0.05
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.49	0.00	0.00	1.49	1.49
2006	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2006	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2006	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.59	0.00	0.00	0.59	0.59
2006	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2006	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	11.33	0.00	0.00	11.33	11.33
2006	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.22	0.00	0.00	1.22	1.22
2006	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	4.84	0.00	0.00	4.84	4.84
2006	Incidental	gf.	Other flatfish	Flatfish, unid.	7.99	0.00	0.00	7.99	7.99
2006	Incidental	gf.	Other flatfish	Pacific sanddab	0.79	0.00	0.00	0.79	0.79
2006	Incidental	gf.	Other flatfish	Rex sole	0.05	0.00	0.00	0.05	0.05
2006	Incidental	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Other flatfish	Sand sole	0.78	0.00	0.00	0.78	0.78
2006	Incidental	gf.	Other flatfish	Sanddab, unid.	0.07	0.00	0.00	0.07	0.07
2006	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Incidental	gf.	Other gf.	Leopard shark	7.12	0.00	0.00	7.12	7.12
2006	Incidental	gf.	Other rf.	Rockfish, unid.	0.23	0.00	0.00	0.23	0.23
2006	Incidental	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2006	Incidental	gf.	Pacific hake	Pacific hake	0.03	0.00	0.00	0.03	0.03
2006	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Petrale sole	Petrale sole	0.26	0.00	0.00	0.26	0.26
2006	Incidental	gf.	Sablefish (N of 36°)	Sablefish	41.58	0.00	0.00	41.58	41.58
2006	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.90	0.00	0.00	0.90	0.90
2006	Incidental	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2006	Incidental	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2006	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	6.38	0.00	0.00	6.38	6.38
2006	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2006	Incidental	gf.	Starry flounder	Starry flounder	3.37	0.00	0.00	3.37	3.37
2006	Incidental	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2006	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	3.62	0.00	0.00	3.62	3.62
2006	Incidental	ngf.	CA halibut	CA halibut	146.92	0.00	0.00	146.92	146.92
2006	Incidental	ngf.	Dungeness crab	Dungeness crab	34127.74	0.00	0.00	34127.74	34127.74
2006	Incidental	ngf.	Other ngf.	Abalone, unid.	1.34	0.00	0.00	1.34	1.34
2006	Incidental	ngf.	Other ngf.	Albacore tuna	12757.27	0.00	0.00	12757.27	12757.27
2006	Incidental	ngf.	Other ngf.	American shad	23.81	0.00	0.00	23.81	23.81
2006	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	253.45	0.00	0.00	253.45	253.45
2006	Incidental	ngf.	Other ngf.	Basket cockle	46.76	0.00	0.00	46.76	46.76
2006	Incidental	ngf.	Other ngf.	Bass, unid.	0.03	0.00	0.00	0.03	0.03
2006	Incidental	ngf.	Other ngf.	Bat ray	2.33	0.00	0.00	2.33	2.33
2006	Incidental	ngf.	Other ngf.	Bigeye thresher shark	4.33	0.00	0.00	4.33	4.33
2006	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.67	0.00	0.00	0.67	0.67
2006	Incidental	ngf.	Other ngf.	Blue shark	0.04	0.00	0.00	0.04	0.04
2006	Incidental	ngf.	Other ngf.	Bluefin tuna	0.76	0.00	0.00	0.76	0.76
2006	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	43.77	0.00	0.00	43.77	43.77
2006	Incidental	ngf.	Other ngf.	Butter clam	5.09	0.00	0.00	5.09	5.09
2006	Incidental	ngf.	Other ngf.	CA barracuda	25.38	0.00	0.00	25.38	25.38
2006	Incidental	ngf.	Other ngf.	CA mussel	0.35	0.00	0.00	0.35	0.35
2006	Incidental	ngf.	Other ngf.	CA sheephead	0.44	0.00	0.00	0.44	0.44
2006	Incidental	ngf.	Other ngf.	CA spiny lobster	398.25	0.00	0.00	398.25	398.25
2006	Incidental	ngf.	Other ngf.	Clam, unid.	0.72	0.00	0.00	0.72	0.72
2006	Incidental	ngf.	Other ngf.	Common thresher shark	158.69	0.00	0.00	158.69	158.69
2006	Incidental	ngf.	Other ngf.	Crab, unid.	38.64	0.00	0.00	38.64	38.64
2006	Incidental	ngf.	Other ngf.	Croaker, unid.	1.81	0.00	0.00	1.81	1.81
2006	Incidental	ngf.	Other ngf.	Dorado	1.89	0.00	0.00	1.89	1.89

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.20	0.00	0.00	0.20	0.20
2006	Incidental	ngf.	Other ngf.	Eel, unid.	0.40	0.00	0.00	0.40	0.40
2006	Incidental	ngf.	Other ngf.	Gaper clam	1.74	0.00	0.00	1.74	1.74
2006	Incidental	ngf.	Other ngf.	Ghost shrimp	14.00	0.00	0.00	14.00	14.00
2006	Incidental	ngf.	Other ngf.	Giant sea bass	2.75	0.00	0.00	2.75	2.75
2006	Incidental	ngf.	Other ngf.	Golden prawn	0.05	0.00	0.00	0.05	0.05
2006	Incidental	ngf.	Other ngf.	Hagfish, unid.	516.99	0.00	0.00	516.99	516.99
2006	Incidental	ngf.	Other ngf.	Jack mackerel	1168.10	0.00	0.00	1168.10	1168.10
2006	Incidental	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2006	Incidental	ngf.	Other ngf.	Mackerel, unid.	40.61	0.00	0.00	40.61	40.61
2006	Incidental	ngf.	Other ngf.	Market squid	49160.10	0.00	0.00	49160.10	49160.10
2006	Incidental	ngf.	Other ngf.	Mixed species	54.44	0.00	0.00	54.44	54.44
2006	Incidental	ngf.	Other ngf.	Mollusc, unid.	77.21	0.00	0.00	77.21	77.21
2006	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.01	0.00	0.00	0.01	0.01
2006	Incidental	ngf.	Other ngf.	Mud shrimp	1.17	0.00	0.00	1.17	1.17
2006	Incidental	ngf.	Other ngf.	Native littleneck clam	0.23	0.00	0.00	0.23	0.23
2006	Incidental	ngf.	Other ngf.	Northern anchovy	12957.99	0.00	0.00	12957.99	12957.99
2006	Incidental	ngf.	Other ngf.	Octopus, unid.	1.77	0.00	0.00	1.77	1.77
2006	Incidental	ngf.	Other ngf.	Pacific angel shark	14.33	0.00	0.00	14.33	14.33
2006	Incidental	ngf.	Other ngf.	Pacific bonito	2490.70	0.00	0.00	2490.70	2490.70
2006	Incidental	ngf.	Other ngf.	Pacific herring	740.09	0.00	0.00	740.09	740.09
2006	Incidental	ngf.	Other ngf.	Pacific mackerel	6567.95	0.00	0.00	6567.95	6567.95
2006	Incidental	ngf.	Other ngf.	Pacific sardine	86608.58	0.00	0.00	86608.58	86608.58
2006	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.13	0.00	0.00	0.13	0.13
2006	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.01	0.00	0.00	0.01	0.01
2006	Incidental	ngf.	Other ngf.	Razor clam	81.04	0.00	0.00	81.04	81.04
2006	Incidental	ngf.	Other ngf.	Red rock crab	501.28	0.00	0.00	501.28	501.28
2006	Incidental	ngf.	Other ngf.	Red urchin	5037.60	0.00	0.00	5037.60	5037.60
2006	Incidental	ngf.	Other ngf.	Ridgeback prawn	0.84	0.00	0.00	0.84	0.84
2006	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.12	0.00	0.00	1.12	1.12
2006	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	149.86	0.00	0.00	149.86	149.86
2006	Incidental	ngf.	Other ngf.	Shark, unid.	7.48	0.00	0.00	7.48	7.48
2006	Incidental	ngf.	Other ngf.	Shrimp, unid.	18.97	0.00	0.00	18.97	18.97
2006	Incidental	ngf.	Other ngf.	Skate, unid.	12.60	0.00	0.00	12.60	12.60
2006	Incidental	ngf.	Other ngf.	Skipjack tuna	2.53	0.00	0.00	2.53	2.53
2006	Incidental	ngf.	Other ngf.	Spot prawn	145.64	0.00	0.00	145.64	145.64
2006	Incidental	ngf.	Other ngf.	Squid, unid.	18.36	0.00	0.00	18.36	18.36
2006	Incidental	ngf.	Other ngf.	Surfperch, unid.	15.95	0.00	0.00	15.95	15.95
2006	Incidental	ngf.	Other ngf.	Swordfish	516.91	0.00	0.00	516.91	516.91

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Incidental	ngf.	Other ngf.	Tuna, unid.	0.80	0.00	0.00	0.80	0.80
2006	Incidental	ngf.	Other ngf.	Urchin, unid.	1.60	0.00	0.00	1.60	1.60
2006	Incidental	ngf.	Other ngf.	White croaker	20.36	0.00	0.00	20.36	20.36
2006	Incidental	ngf.	Other ngf.	White sea bass	183.01	0.00	0.00	183.01	183.01
2006	Incidental	ngf.	Other ngf.	Wolf-eel	0.10	0.00	0.00	0.10	0.10
2006	Incidental	ngf.	Other ngf.	Yellowfin tuna	2.30	0.00	0.00	2.30	2.30
2006	Incidental	ngf.	Other ngf.	Yellowtail amberjack	18.19	0.00	0.00	18.19	18.19
2006	Incidental	ngf.	Shared ECS	Smelt, unid.	159.78	0.00	0.00	159.78	159.78
2006	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.35	0.01	0.01	0.36	0.36
2006	LE CA Halibut	gf.	Big skate	Big skate	0.00	23.81	11.91	23.81	11.91
2006	LE CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.20	0.01	0.01	0.21	0.21
2006	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.26	0.00	0.00	1.26	1.26
2006	LE CA Halibut	gf.	Dover sole	Dover sole	8.36	0.02	0.02	8.38	8.38
2006	LE CA Halibut	gf.	ECS	CA skate	0.00	24.91	24.91	24.91	24.91
2006	LE CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.13	0.13	0.13	0.13
2006	LE CA Halibut	gf.	ECS	Soupfin shark	0.63	0.41	0.41	1.04	1.04
2006	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	2.25	2.25	2.25	2.25
2006	LE CA Halibut	gf.	English sole	English sole	5.27	5.83	5.83	11.10	11.10
2006	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	2.08	0.64	0.32	2.72	2.40
2006	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	1.39	0.69	1.39	0.69
2006	LE CA Halibut	gf.	LST (N of 34°27')	LST	0.36	0.00	0.00	0.36	0.36
2006	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.04	0.04	0.04	0.04
2006	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.14	0.00	0.00	0.14	0.14
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.42	0.00	0.00	0.42	0.42
2006	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.61	0.00	0.00	0.61	0.61
2006	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.72	0.00	0.00	1.72	1.72
2006	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	10.90	10.90	10.90	10.90
2006	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.35	0.03	0.03	0.39	0.39
2006	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	12.35	23.99	23.99	36.33	36.33
2006	LE CA Halibut	gf.	Other flatfish	Rex sole	2.57	1.91	1.91	4.49	4.49
2006	LE CA Halibut	gf.	Other flatfish	Rock sole	4.23	0.64	0.64	4.87	4.87

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE CA Halibut	gf.	Other flatfish	Sand sole	14.17	0.44	0.44	14.61	14.61
2006	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	gf.	Other gf.	Leopard shark	0.65	4.92	4.92	5.56	5.56
2006	LE CA Halibut	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.00	0.12	0.12	0.12	0.12
2006	LE CA Halibut	gf.	Petrale sole	Petrale sole	32.43	1.48	1.48	33.91	33.91
2006	LE CA Halibut	gf.	Roundfish, unid.	Cod, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	8.23	0.00	0.00	8.23	8.23
2006	LE CA Halibut	gf.	SST (N of 34°27')	SST	0.63	0.00	0.00	0.63	0.63
2006	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	8.26	8.26	8.26	8.26
2006	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	2.95	0.00	0.00	2.95	2.95
2006	LE CA Halibut	gf.	Starry flounder	Starry flounder	9.74	2.87	2.87	12.61	12.61
2006	LE CA Halibut	ngf.	CA halibut	CA halibut	119.55	11.10	11.10	130.65	130.65
2006	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	310.57	310.57	310.57	310.57
2006	LE CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.01	0.00	0.00	0.01	0.01
2006	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.06	0.06	0.06	0.06
2006	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.38	0.38	0.38	0.38
2006	LE CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Non-FMP flatfish	Spotted turbot	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.38	0.38	0.38	0.38
2006	LE CA Halibut	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.23	0.23	0.23	0.23
2006	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.03	0.03	0.03	0.03
2006	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	37.45	37.45	37.45	37.45
2006	LE CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	12.14	12.14	12.14	12.14
2006	LE CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	ngf.	Other ngf.	Combfish, unid.	0.00	0.09	0.09	0.09	0.09
2006	LE CA Halibut	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2006	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.17	17.31	17.31	17.48	17.48
2006	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.04	0.04	0.04	0.04
2006	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.04	0.04	0.04	0.04
2006	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.07	0.07	0.07	0.07
2006	LE CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	8.13	8.13	8.13	8.13
2006	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.33	0.33	0.33	0.33
2006	LE CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE CA Halibut	ngf.	Other ngf.	Mollusc, unid.	0.00	0.47	0.47	0.47	0.47
2006	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.53	0.53	0.53	0.53
2006	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2006	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.12	0.00	0.00	0.12	0.12
2006	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.13	0.13	0.13	0.13
2006	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	2.36	2.36	2.36	2.36
2006	LE CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.74	0.74	0.74	0.74
2006	LE CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2006	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.07	0.07	0.07	0.07
2006	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.05	0.05	0.05	0.05
2006	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.03	0.03	0.03	0.03
2006	LE CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	1.20	1.20	1.20	1.20
2006	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.19	0.19	0.19	0.19
2006	LE CA Halibut	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.27	0.27	0.27	0.27
2006	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	8.37	8.37	8.37	8.37
2006	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.11	0.11	0.11	0.11
2006	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.15	0.00	0.00	0.15	0.15
2006	LE CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.03	0.03	0.03	0.03
2006	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	1.15	7.26	7.26	8.41	8.41
2006	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.20	0.20	0.20	0.20
2006	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.04	0.04	0.04	0.04
2006	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	1.28	1.28	1.28	1.28
2006	LE CA Halibut	ngf.	Other ngf.	White croaker	0.00	3.45	3.45	3.46	3.46
2006	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.65	0.00	0.00	0.65	0.65
2006	LE CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.05	0.05	0.05	0.05
2006	LE CA Halibut	ngf.	Other ngf.	White surfperch	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.89	0.89	0.89	0.89
2006	LE CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE CA Halibut	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2006	LE CA Halibut	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.04	0.00	0.00	0.04	0.04
2006	LE FG DTL – H&L	gf.	Black rf. (CA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2006	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.72	2.92	2.92	3.64	3.64
2006	LE FG DTL – H&L	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	4.79	0.00	0.00	4.79	4.79
2006	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.54	0.03	0.03	0.57	0.57
2006	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.24	3.96	3.96	4.20	4.20
2006	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.13	0.13	0.13	0.13
2006	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	1.36	1.36	1.36	1.36
2006	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	13.11	0.06	0.06	13.16	13.16
2006	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.20	0.20	0.20	0.20
2006	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	2.98	2.98	2.98	2.98
2006	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.10	0.10	0.10	0.10
2006	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	1.36	1.36	1.36	1.36
2006	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.23	0.00	0.00	0.23	0.23
2006	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.17	0.00	0.00	0.17	0.17
2006	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	37.56	18.78	37.56	18.78
2006	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	7.16	0.42	0.42	7.58	7.58
2006	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	9.46	4.84	4.84	14.30	14.30
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.03	0.00	0.00	0.03	0.03
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.22	0.00	0.00	0.22	0.22
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.18	0.00	0.00	0.18	0.18
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.11	0.00	0.00	0.11	0.11
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.16	0.00	0.00	0.16	0.16
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.02	0.02	0.02	0.02
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.37	0.00	0.00	0.37	0.37
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.03	0.00	0.00	0.03	0.03
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	2.33	0.00	0.00	2.33	2.33

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.05	0.00	0.00	0.05	0.05
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.98	0.00	0.00	0.98	0.98
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	8.02	0.00	0.00	8.02	8.02
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.32	0.00	0.00	0.32	0.32
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.58	0.00	0.00	0.58	0.58
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.23	0.05	0.05	0.28	0.28
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.29	0.00	0.00	1.29	1.29
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	33.93	0.95	0.95	34.88	34.88
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.29	0.29	0.29	0.29
2006	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.29	0.00	0.00	0.29	0.29
2006	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	3.79	1.54	1.54	5.33	5.33
2006	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.76	0.00	0.00	0.76	0.76
2006	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2006	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.26	1.09	1.09	1.35	1.35
2006	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.04	0.00	0.00	0.04	0.04
2006	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.04	0.02	0.02	0.06	0.06
2006	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	138.60	29.32	5.86	167.93	144.47
2006	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	61.93	3.25	0.65	65.18	62.58
2006	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	14.86	0.26	0.26	15.11	15.11
2006	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	125.15	19.36	19.36	144.51	144.51
2006	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	35.58	2.49	1.25	38.07	36.82
2006	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2006	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.30	0.00	0.00	0.30	0.30
2006	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.06	0.00	0.00	0.06	0.06
2006	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.08	0.08	0.08	0.08
2006	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	10.18	10.18	10.18	10.18
2006	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	1.05	0.00	0.00	1.05	1.05
2006	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	13.06	13.06	13.06	13.06
2006	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.03	0.00	0.00	0.03	0.03
2006	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE FG DTL – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	3.02	3.02	3.02	3.02
2006	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.27	0.00	0.00	0.27	0.27
2006	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.01	0.01	0.01	0.01
2006	LE FG DTL – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	2.04	2.04	2.04	2.04
2006	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.04	0.04	0.04	0.04
2006	LE FG DTL – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.34	0.34	0.34	0.34
2006	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE FG DTL – H&L	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.09	0.00	0.00	0.09	0.09
2006	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.03	0.03	0.05	0.05
2006	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.07	0.00	0.00	0.07	0.07
2006	LE FG DTL – H&L	ngf.	Other ngf.	Pacific electric ray	0.00	0.05	0.05	0.05	0.05
2006	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.06	0.15	0.15	0.22	0.22
2006	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.04	0.04	0.04	0.04
2006	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.02	0.02	0.02	0.02
2006	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.70	0.70	0.70	0.70
2006	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	17.76	17.76	17.76	17.76
2006	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	2.41	2.35	2.35	4.76	4.76
2006	LE FG DTL – H&L	ngf.	Other ngf.	Skipjack tuna	0.01	0.00	0.00	0.01	0.01
2006	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.03	0.00	0.00	0.03	0.03
2006	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.04	0.07	0.07	0.11	0.11
2006	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.07	0.00	0.00	0.07	0.07
2006	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.74	1.74	1.74	1.74
2006	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.06	0.00	0.06	0.00
2006	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.84	60.55	60.55	61.38	61.38
2006	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	5.63	5.63	5.63	5.63
2006	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.18	0.10	0.10	0.28	0.28
2006	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	3.77	0.31	0.31	4.09	4.09
2006	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.74	0.24	0.24	0.98	0.98

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.26	0.26	0.26	0.26
2006	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.44	0.44	0.44	0.44
2006	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	7.10	0.00	0.00	7.10	7.10
2006	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.09	0.09	0.09	0.09
2006	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	4.50	4.50	4.50	4.50
2006	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.31	0.31	0.31	0.31
2006	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.53	0.53	0.53	0.53
2006	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	0.86	0.86	0.86	0.86
2006	LE Sablefish – H&L	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	8.03	26.55	1.86	34.57	9.89
2006	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.19	0.00	0.00	0.19	0.19
2006	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	105.00	52.50	105.00	52.50
2006	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.78	0.06	0.06	0.84	0.84
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.35	0.03	0.03	0.38	0.38
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.51	0.51	0.52	0.52
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.10	0.10	0.11	0.11
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.03	0.03	0.03	0.03
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.07	0.06	0.06	0.13	0.13
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.09	0.23	0.23	1.32	1.32
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Spotted rf., unid.	0.00	0.55	0.55	0.55	0.55
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.23	0.00	0.00	0.23	0.23
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.09	0.01	0.01	0.10	0.10
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.63	0.00	0.00	0.63	0.63
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	11.20	0.99	0.99	12.19	12.19
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	28.88	1.30	1.30	30.19	30.19
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.25	0.30	0.30	1.55	1.55
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.29	0.29	0.29	0.29
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.18	0.04	0.04	2.22	2.22
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.00	0.00	0.05	0.05
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Spotted rf., unid.	0.00	0.12	0.12	0.12	0.12
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.05	0.00	0.00	0.05	0.05
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.50	0.00	0.00	0.50	0.50
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.28	0.00	0.00	1.28	1.28

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.21	0.00	0.00	0.21	0.21
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.23	0.00	0.00	0.23	0.23
2006	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	1.39	1.39	1.39	1.39
2006	LE Sablefish – H&L	gf.	Other rf.	Rockfish, unid.	0.05	0.00	0.00	0.05	0.05
2006	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	0.29	0.09	0.09	0.38	0.38
2006	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.09	0.09	0.09	0.09
2006	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.13	0.15	0.15	0.28	0.28
2006	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.15	0.01	0.01	0.16	0.16
2006	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1401.23	189.53	37.91	1590.76	1439.13
2006	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	10.95	1.33	1.33	12.28	12.28
2006	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	95.45	292.25	146.13	387.70	241.58
2006	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.65	0.65	0.65	0.65
2006	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.55	0.26	0.26	0.81	0.81
2006	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	18.01	18.01	18.01	18.01
2006	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.03	0.03	0.03	0.03
2006	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.12	0.12	0.12	0.12
2006	LE Sablefish – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.06	0.06	0.06	0.06
2006	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Sablefish – H&L	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.07	0.07	0.07	0.07
2006	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.05	0.05	0.05	0.05
2006	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	39.28	652.84	104.45	692.12	143.73
2006	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.47	0.47	0.47	0.47
2006	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	19.94	19.94	19.94	19.94
2006	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	12.86	4.21	4.21	17.07	17.07
2006	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2006	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	1.33	0.34	0.34	1.66	1.66

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.13	0.00	0.00	0.13	0.13
2006	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.30	0.11	0.11	0.41	0.41
2006	LE Sablefish – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	3.98	5.55	5.55	9.53	9.53
2006	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.34	3.20	3.20	3.54	3.54
2006	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.46	0.00	0.00	0.46	0.46
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.86	0.01	0.01	0.87	0.87
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.19	0.00	0.00	2.19	2.19
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.26	0.00	0.00	0.26	0.26
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.41	0.00	0.00	0.41	0.41
2006	LE Sablefish – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.07	0.00	0.00	0.07	0.07
2006	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	581.80	133.50	26.70	715.30	608.50
2006	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2006	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.50	0.50	0.50	0.50
2006	LE Sablefish – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.03	8.39	8.39	8.42	8.42
2006	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2006	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	15.79	2.84	15.79	2.84
2006	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.28	0.28	0.28	0.28
2006	LE Sablefish – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.07	0.07	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.02	0.00	0.00	0.02	0.02
2006	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	0.29	0.00	0.00	0.29	0.29
2006	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.18	0.18	0.18	0.18
2006	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.08	0.08	0.08	0.08
2006	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	1716.45	715.40	715.40	2431.85	2431.85
2006	LE Trawl	gf.	Big skate	Big skate	0.00	142.81	71.41	142.81	71.41
2006	LE Trawl	gf.	Black rf. (CA)	Black rf.	0.00	0.08	0.08	0.08	0.08
2006	LE Trawl	gf.	Black rf. (OR)	Black rf.	2.17	0.00	0.00	2.17	2.17
2006	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.08	1.93	1.93	2.01	2.01
2006	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.75	13.95	13.95	14.69	14.69
2006	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.05	0.06	0.06	0.10	0.10
2006	LE Trawl	gf.	Canary rf.	Canary rf.	2.69	20.97	20.97	23.66	23.66
2006	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	16.32	121.83	121.83	138.15	138.15
2006	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.86	0.86	0.86	0.86
2006	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	86.94	84.54	84.54	171.48	171.48
2006	LE Trawl	gf.	Dover sole	Dover sole	5731.75	1004.93	1004.93	6736.68	6736.68
2006	LE Trawl	gf.	ECS	Aleutian skate	0.00	1.06	1.06	1.06	1.06
2006	LE Trawl	gf.	ECS	Black skate	0.00	25.34	25.34	25.34	25.34
2006	LE Trawl	gf.	ECS	CA grenadier	0.00	1.40	1.40	1.40	1.40
2006	LE Trawl	gf.	ECS	CA skate	0.00	25.30	25.30	25.30	25.30
2006	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.78	0.78	0.78	0.78
2006	LE Trawl	gf.	ECS	Giant grenadier	0.00	159.18	159.18	159.18	159.18
2006	LE Trawl	gf.	ECS	Grenadier, unid.	91.43	0.41	0.41	91.84	91.84
2006	LE Trawl	gf.	ECS	Pacific flatnose	0.00	10.57	10.57	10.57	10.57
2006	LE Trawl	gf.	ECS	Pacific grenadier	0.00	76.17	76.17	76.17	76.17
2006	LE Trawl	gf.	ECS	Popeye grenadier	0.00	2.37	2.37	2.37	2.37
2006	LE Trawl	gf.	ECS	Sandpaper skate	0.00	80.58	80.58	80.58	80.58
2006	LE Trawl	gf.	ECS	Soupfin shark	0.71	0.35	0.35	1.06	1.06
2006	LE Trawl	gf.	ECS	Spotted ratfish	0.00	287.10	287.10	287.10	287.10
2006	LE Trawl	gf.	English sole	English sole	863.37	388.54	388.54	1251.92	1251.92
2006	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	104.20	330.15	165.08	434.36	269.28
2006	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	9.49	1.36	0.68	10.85	10.17
2006	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	515.09	257.55	515.09	257.55
2006	LE Trawl	gf.	LST (N of 34°27')	LST	731.89	73.59	73.59	805.48	805.48
2006	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.06	0.07	0.07	0.14	0.14
2006	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.14	0.00	0.00	0.14	0.14
2006	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.69	1.59	1.59	2.28	2.28
2006	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.04	0.04	0.05	0.05

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.70	1.13	1.13	1.84	1.84
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.26	0.69	0.69	1.95	1.95
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.05	0.01	0.01	0.06	0.06
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	7.54	28.44	28.44	35.98	35.98
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.44	0.12	0.12	0.56	0.56
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.06	0.71	0.71	0.76	0.76
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.51	0.03	0.03	0.54	0.54
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.85	0.42	0.42	2.26	2.26
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.16	3.79	3.79	3.94	3.94
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.04	0.00	0.00	0.04	0.04
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.93	0.93	0.95	0.95
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	9.07	9.07	9.07	9.07
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.27	0.27	0.27	0.27
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.32	0.47	0.47	0.79	0.79
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.67	0.62	0.62	1.29	1.29
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	10.89	10.89	10.89	10.89
2006	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.28	1.80	1.80	2.08	2.08
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	7.49	6.68	6.68	14.17	14.17
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.89	0.03	0.03	0.92	0.92
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.25	1.53	1.53	3.77	3.77
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.27	1.97	1.97	5.24	5.24
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	44.51	12.38	12.38	56.88	56.88
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.09	1.15	1.15	1.24	1.24
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	5.45	2.32	2.32	7.77	7.77
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.88	0.88	0.88	0.88
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	7.98	21.04	21.04	29.02	29.02
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	5.48	52.04	52.04	57.52	57.52
2006	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.57	0.00	0.00	1.57	1.57
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	24.96	17.99	17.99	42.94	42.94
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	22.07	0.01	0.01	22.08	22.08
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	35.68	0.47	0.47	36.16	36.16
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.63	0.14	0.14	0.77	0.77
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.13	0.13	0.13	0.13
2006	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	7.03	44.01	44.01	51.04	51.04
2006	LE Trawl	gf.	Mixed thornyheads	SST/LST	0.01	66.97	66.97	66.98	66.98
2006	LE Trawl	gf.	Other flatfish	Butter sole	0.00	0.75	0.75	0.75	0.75
2006	LE Trawl	gf.	Other flatfish	Curlfin sole	3.86	3.69	3.69	7.55	7.55
2006	LE Trawl	gf.	Other flatfish	Flatfish, unid.	5.16	107.45	107.45	112.61	112.61
2006	LE Trawl	gf.	Other flatfish	Flathead sole	20.99	14.56	14.56	35.55	35.55
2006	LE Trawl	gf.	Other flatfish	Pacific sanddab	395.87	320.59	320.59	716.45	716.45
2006	LE Trawl	gf.	Other flatfish	Rex sole	540.54	164.08	164.08	704.62	704.62
2006	LE Trawl	gf.	Other flatfish	Rock sole	6.22	2.29	2.29	8.51	8.51
2006	LE Trawl	gf.	Other flatfish	Sand sole	37.84	4.05	4.05	41.89	41.89
2006	LE Trawl	gf.	Other flatfish	Sanddab, unid.	13.99	11.10	11.10	25.10	25.10
2006	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	gf.	Other gf.	Leopard shark	0.02	0.00	0.00	0.02	0.02
2006	LE Trawl	gf.	Other rf.	Rockfish, unid.	3.80	0.00	0.00	3.80	3.80
2006	LE Trawl	gf.	Pacific cod	Pacific cod	329.69	5.53	5.53	335.22	335.22
2006	LE Trawl	gf.	Pacific hake	Pacific hake	0.99	994.28	994.28	995.27	995.27
2006	LE Trawl	gf.	POP (N of 40°10')	POP	63.90	7.77	7.77	71.67	71.67
2006	LE Trawl	gf.	Petrale sole	Petrale sole	2549.86	109.51	109.51	2659.37	2659.37
2006	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2447.22	360.89	180.45	2808.11	2627.66
2006	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	11.45	0.14	0.07	11.60	11.53
2006	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.84	0.84	0.84	0.84
2006	LE Trawl	gf.	SST (N of 34°27')	SST	528.17	70.32	70.32	598.49	598.49
2006	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	85.00	611.92	611.92	696.92	696.92
2006	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	103.98	53.05	53.05	157.04	157.04
2006	LE Trawl	gf.	Starry flounder	Starry flounder	53.54	0.79	0.79	54.32	54.32
2006	LE Trawl	gf.	Widow rf.	Widow rf.	5.98	0.91	0.91	6.90	6.90
2006	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.47	0.87	0.87	1.34	1.34
2006	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	23.51	4.81	4.81	28.32	28.32
2006	LE Trawl	ngf.	CA halibut	CA halibut	3.06	0.00	0.00	3.06	3.06
2006	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.00	373.82	373.82	373.82	373.82
2006	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	1.67	19.34	19.34	21.01	21.01
2006	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.12	0.12	0.12	0.12
2006	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.10	46.57	46.57	46.67	46.67
2006	LE Trawl	ngf.	Other ngf.	American shad	0.07	6.17	6.17	6.24	6.24
2006	LE Trawl	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	37.79	37.79	37.79	37.79
2006	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	0.88	0.88	0.88	0.88
2006	LE Trawl	ngf.	Other ngf.	Bat ray	0.00	0.04	0.04	0.04	0.04
2006	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	2.90	2.90	2.90	2.90
2006	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.40	0.40	0.40	0.40
2006	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.08	0.08	0.08	0.08
2006	LE Trawl	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.17	0.17	0.17	0.17
2006	LE Trawl	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.50	0.50	0.50	0.50
2006	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	10.71	10.71	10.71	10.71
2006	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	30.43	30.43	30.43	30.43
2006	LE Trawl	ngf.	Other ngf.	Bull sculpin	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.09	0.09	0.09	0.09
2006	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	18.31	18.31	18.31	18.31
2006	LE Trawl	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	1.01	1.01	1.01	1.01
2006	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	1.92	1.92	1.92	1.92
2006	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.03	0.00	0.00	0.03	0.03
2006	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.04	0.04	0.04	0.04
2006	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	18.63	18.63	18.63	18.63
2006	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	2.09	2.09	2.09	2.09
2006	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	1.78	1.78	1.78	1.78
2006	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.32	0.32	0.32	0.32
2006	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	31.94	31.94	31.94	31.94
2006	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	0.10	0.10	0.10	0.10
2006	LE Trawl	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.08	0.08	0.08	0.08
2006	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	1.51	1.51	1.51	1.51
2006	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	1.12	1.12	1.12	1.12
2006	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Market squid	25.53	0.00	0.00	25.53	25.53
2006	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.31	0.31	0.31	0.31
2006	LE Trawl	ngf.	Other ngf.	Mixed species	0.80	0.00	0.00	0.80	0.80
2006	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Octopus, unid.	3.66	4.36	4.36	8.02	8.02
2006	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Pacific bonito	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	1.48	1.48	1.48	1.48
2006	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.52	0.52	0.52	0.52
2006	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.07	0.00	0.00	0.08	0.08
2006	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.13	0.13	0.13	0.13
2006	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	3.38	3.38	3.38	3.38
2006	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.68	0.68	0.68	0.68
2006	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.10	0.10	0.10	0.10
2006	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Pelagic thresher shark	0.02	0.00	0.00	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.41	0.41	0.41	0.41
2006	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	2.24	2.24	2.24	2.24
2006	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Prickly shark	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Other ngf.	Prowfish	0.00	0.11	0.11	0.11	0.11
2006	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.16	0.16	0.16	0.16
2006	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.17	0.17	0.17	0.17
2006	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	1.83	1.83	1.83	1.83
2006	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.22	1.22	1.22	1.22
2006	LE Trawl	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.09	0.09	0.09	0.09
2006	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	0.34	0.34	0.34	0.34
2006	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.21	0.21	0.21	0.21
2006	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	40.50	40.50	40.50	40.50
2006	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.13	0.13	0.13	0.13
2006	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.14	36.21	36.21	36.34	36.34
2006	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.38	0.38	0.38	0.38
2006	LE Trawl	ngf.	Other ngf.	Skate, unid.	1021.41	107.45	107.45	1128.87	1128.87
2006	LE Trawl	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	0.46	0.46	0.46	0.46
2006	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	1.01	1.01	1.01	1.01
2006	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	16.58	16.58	16.58	16.58
2006	LE Trawl	ngf.	Other ngf.	Spotfin sculpin	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Squid, unid.	4.96	65.15	65.15	70.11	70.11
2006	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.60	0.60	0.60	0.60
2006	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	1.30	1.30	1.30	1.30
2006	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.26	0.26	0.26	0.26
2006	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	0.31	0.31	0.31	0.31
2006	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	3.17	3.17	3.17	3.17
2006	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	10.03	10.03	10.03	10.03
2006	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Walleye pollock	0.13	0.00	0.00	0.13	0.13
2006	LE Trawl	ngf.	Other ngf.	Warty poacher	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Wattled eelpout	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Whiptail gulper, unid.	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	White croaker	1.12	2.71	2.71	3.82	3.82
2006	LE Trawl	ngf.	Other ngf.	White sea bass	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2006	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.65	0.63	0.63	1.29	1.29
2006	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.07	0.07	0.07	0.07
2006	LE Trawl	ngf.	Other ngf.	Yellow rock crab	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2006	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.03	0.03	0.03	0.03
2006	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.02	0.02	0.02	0.02
2006	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	45.72	45.72	45.72	45.72
2006	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	353.30	353.30	353.30	353.30
2006	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Black rf. (CA)	Black rf.	61.05	3.74	2.14	64.78	63.19
2006	Nearshore	gf.	Black rf. (OR)	Black rf.	92.32	7.66	1.89	99.98	94.22
2006	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.17	0.00	0.00	1.17	1.17
2006	Nearshore	gf.	Cabezon (CA)	Cabezon	28.20	15.38	1.08	43.58	29.27
2006	Nearshore	gf.	Cabezon (OR)	Cabezon	21.97	3.70	0.26	25.67	22.23
2006	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.84	0.00	0.00	0.84	0.84
2006	Nearshore	gf.	Canary rf.	Canary rf.	0.00	8.00	4.92	8.01	4.92
2006	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.09	0.00	0.00	0.09	0.09
2006	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.28	0.00	0.00	0.28	0.28
2006	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	ECS	Soupfin shark	1.13	0.00	0.00	1.13	1.13
2006	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.39	0.03	0.39	0.03
2006	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	31.04	18.61	1.30	49.65	32.35
2006	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	17.90	28.13	1.97	46.02	19.86
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.11	0.01	0.01	0.13	0.12
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	15.12	7.88	2.77	23.01	17.89
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.66	0.00	0.00	0.66	0.66
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	5.62	0.46	0.14	6.09	5.76
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	2.06	0.00	0.00	2.06	2.06
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.07	0.00	0.00	0.07	0.07
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	1.27	0.00	0.00	1.27	1.27
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.79	0.00	0.00	0.79	0.79
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	4.84	0.08	0.03	4.92	4.87
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	8.29	1.78	0.97	10.08	9.27
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	8.39	8.51	5.33	16.90	13.72
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	19.95	3.59	2.17	23.54	22.12
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.04	0.03	0.04	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	2.02	0.83	0.53	2.85	2.55
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	2.25	0.23	0.15	2.48	2.41
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	15.54	4.68	3.06	20.22	18.60
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	17.27	0.26	0.15	17.53	17.42
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.71	0.12	0.06	0.83	0.77
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	6.04	0.00	0.00	6.04	6.04
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.10	1.20	0.90	2.30	2.00
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.43	0.00	0.00	0.43	0.43
2006	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.78	0.45	0.25	1.23	1.03
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.03	0.03	0.03	0.03
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.02	0.02	0.04	0.04
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.15	0.00	0.00	0.15	0.15
2006	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	4.66	0.08	0.02	4.74	4.68
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.39	0.00	0.00	0.39	0.39
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.31	0.00	0.00	0.31	0.31
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.17	0.00	0.00	0.17	0.17
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.28	0.00	0.00	0.28	0.28
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.03	0.09	0.09	0.12	0.12
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.18	0.00	0.00	0.18	0.18
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.10	0.00	0.00	0.10	0.10
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.08	0.02	0.02	0.10	0.10
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	10.43	0.00	0.00	10.43	10.43
2006	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.50	0.00	0.00	1.50	1.50
2006	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.08	0.00	0.00	0.08	0.08
2006	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2006	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.16	0.00	0.00	0.16	0.16
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.68	0.00	0.00	3.68	3.68
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.30	0.00	0.00	0.30	0.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Mixed thornyheads	SST/LST	0.52	0.00	0.00	0.52	0.52
2006	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.25	0.00	0.00	0.25	0.25
2006	Nearshore	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.63	7.99	0.56	9.62	2.19
2006	Nearshore	gf.	Other gf.	Kelp greenling (OR)	14.51	2.65	0.19	17.16	14.69
2006	Nearshore	gf.	Other gf.	Leopard shark	0.80	3.47	0.24	4.27	1.05
2006	Nearshore	gf.	Other gf.	Painted greenling	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Other rf.	Rockfish, unid.	0.75	0.00	0.00	0.75	0.75
2006	Nearshore	gf.	Pacific hake	Pacific hake	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	7.37	0.00	0.00	7.37	7.37
2006	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	1.90	0.00	0.00	1.90	1.90
2006	Nearshore	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.00	0.00	0.03	0.03
2006	Nearshore	gf.	Starry flounder	Starry flounder	0.04	0.12	0.01	0.15	0.04
2006	Nearshore	gf.	Widow rf.	Widow rf.	0.06	0.08	0.04	0.14	0.10
2006	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.50	0.72	1.50	0.73
2006	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.59	0.42	0.10	2.01	1.69
2006	Nearshore	ngf.	CA halibut	CA halibut	0.93	0.00	0.00	0.93	0.93
2006	Nearshore	ngf.	Dungeness crab	Dungeness crab	14.00	0.29	0.29	14.28	14.28
2006	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08
2006	Nearshore	ngf.	Other ngf.	Bat ray	0.03	1.56	1.56	1.59	1.59
2006	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	0.08	0.08	0.08	0.08
2006	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.37	0.00	0.00	0.37	0.37
2006	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.12	0.12	0.12	0.12
2006	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	4.78	4.78	4.78	4.78
2006	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.10	0.10	0.10	0.10
2006	Nearshore	ngf.	Other ngf.	Bull sculpin	0.00	0.02	0.02	0.02	0.02
2006	Nearshore	ngf.	Other ngf.	CA barracuda	0.16	0.00	0.00	0.16	0.16
2006	Nearshore	ngf.	Other ngf.	CA sheephead	38.41	10.59	10.59	49.00	49.00
2006	Nearshore	ngf.	Other ngf.	CA spiny lobster	5.88	0.00	0.00	5.88	5.88
2006	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.02	0.02	0.02	0.02
2006	Nearshore	ngf.	Other ngf.	Common thresher shark	0.13	0.00	0.00	0.13	0.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Crab, unid.	2.96	0.12	0.12	3.08	3.08
2006	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.36	0.00	0.00	0.36	0.36
2006	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.22	0.22	0.22	0.22
2006	Nearshore	ngf.	Other ngf.	Dorado	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.03	0.03	0.03	0.03
2006	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.35	0.00	0.00	0.35	0.35
2006	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.03	1.03	1.03	1.03
2006	Nearshore	ngf.	Other ngf.	Jack mackerel	0.02	0.00	0.00	0.02	0.02
2006	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	4.45	4.45	4.45	4.45
2006	Nearshore	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2006	Nearshore	ngf.	Other ngf.	Mixed species	1.00	0.00	0.00	1.00	1.00
2006	Nearshore	ngf.	Other ngf.	Mollusc, unid.	9.71	0.03	0.03	9.74	9.74
2006	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.06	0.06	0.08	0.08
2006	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.38	0.15	0.15	0.54	0.54
2006	Nearshore	ngf.	Other ngf.	Pacific angel shark	0.05	0.00	0.00	0.05	0.05
2006	Nearshore	ngf.	Other ngf.	Pacific bonito	0.03	0.00	0.00	0.03	0.03
2006	Nearshore	ngf.	Other ngf.	PHLB	0.00	0.53	0.53	0.53	0.53
2006	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.40	0.02	0.02	0.42	0.42
2006	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	1.27	1.27	1.27	1.27
2006	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.04	0.04	0.04	0.04
2006	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.18	0.18	0.18	0.18
2006	Nearshore	ngf.	Other ngf.	Red rock crab	23.44	0.22	0.22	23.66	23.66
2006	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.02	0.57	0.57	0.59	0.59
2006	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.30	0.30	0.30	0.30
2006	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2006	Nearshore	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	24.82	24.82	24.82	24.82
2006	Nearshore	ngf.	Other ngf.	Shark, unid.	0.30	1.15	1.15	1.44	1.44
2006	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.08	0.00	0.00	0.08	0.08
2006	Nearshore	ngf.	Other ngf.	Skate, unid.	0.91	0.44	0.44	1.35	1.35
2006	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2006	Nearshore	ngf.	Other ngf.	Spot prawn	6.24	0.00	0.00	6.24	6.24
2006	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.09	0.09	0.09	0.09
2006	Nearshore	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.28	0.00	0.00	0.28	0.28
2006	Nearshore	ngf.	Other ngf.	Swell shark	0.00	2.44	2.44	2.44	2.44
2006	Nearshore	ngf.	Other ngf.	Thornback	0.00	0.12	0.12	0.12	0.12
2006	Nearshore	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Other ngf.	White croaker	0.09	0.27	0.27	0.36	0.36
2006	Nearshore	ngf.	Other ngf.	White sea bass	0.51	0.00	0.00	0.51	0.51
2006	Nearshore	ngf.	Other ngf.	Wolf-eel	0.05	0.53	0.53	0.58	0.58
2006	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.11	0.00	0.00	0.11	0.11
2006	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2006	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.03	0.00	0.00	0.03	0.03
2006	OA CA Halibut	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2006	OA CA Halibut	gf.	ECS	Soupfin shark	0.03	0.00	0.00	0.03	0.03
2006	OA CA Halibut	gf.	English sole	English sole	0.03	0.00	0.00	0.03	0.03
2006	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.07	0.00	0.00	0.07	0.07
2006	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.50	0.00	0.00	0.50	0.50
2006	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.85	0.00	0.00	0.85	0.85
2006	OA CA Halibut	gf.	Other flatfish	Rex sole	0.02	0.00	0.00	0.02	0.02
2006	OA CA Halibut	gf.	Other flatfish	Rock sole	0.06	0.00	0.00	0.06	0.06
2006	OA CA Halibut	gf.	Other flatfish	Sand sole	1.88	0.00	0.00	1.88	1.88
2006	OA CA Halibut	gf.	Other gf.	Leopard shark	0.02	0.00	0.00	0.02	0.02
2006	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.14	0.00	0.00	0.14	0.14
2006	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.07	0.00	0.00	0.07	0.07
2006	OA CA Halibut	gf.	Starry flounder	Starry flounder	3.52	0.00	0.00	3.52	3.52
2006	OA CA Halibut	ngf.	CA halibut	CA halibut	54.83	0.00	0.00	54.83	54.83
2006	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.09	0.00	0.00	0.09	0.09
2006	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2006	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.08	0.00	0.00	0.08	0.08
2006	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.73	0.00	0.00	0.73	0.73
2006	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.08	0.00	0.00	0.08	0.08
2006	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.54	1.33	1.33	1.87	1.87
2006	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.26	0.18	0.18	0.45	0.45
2006	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.32	0.00	0.00	0.32	0.32
2006	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.72	0.00	0.00	1.72	1.72
2006	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.00	0.44	0.44	0.44	0.44
2006	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.02	0.28	0.28	0.29	0.29
2006	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.17	0.00	0.00	1.17	1.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.82	0.00	0.00	1.82	1.82
2006	OA FG – H&L	gf.	Dover sole	Dover sole	0.25	1.04	1.04	1.28	1.28
2006	OA FG – H&L	gf.	ECS	Black skate	0.00	0.51	0.51	0.51	0.51
2006	OA FG – H&L	gf.	ECS	CA grenadier	0.00	2.07	2.07	2.07	2.07
2006	OA FG – H&L	gf.	ECS	Grenadier, unid.	12.55	0.33	0.33	12.88	12.88
2006	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	0.30	0.30	0.30	0.30
2006	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.06	0.06	0.06	0.06
2006	OA FG – H&L	gf.	ECS	Soupfin shark	0.44	0.00	0.00	0.44	0.44
2006	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.47	0.47	0.47	0.47
2006	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	16.79	0.00	0.00	16.79	16.79
2006	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	3.73	0.92	0.06	4.64	3.79
2006	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	6.83	3.42	6.83	3.42
2006	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.09	1.04	1.04	1.13	1.13
2006	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.07	0.00	0.00	0.07	0.07
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.57	0.57	0.58	0.58
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.06	0.06	0.06	0.06
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.03	0.02	0.02	0.05	0.05
2006	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.04	0.00	0.00	0.04	0.04
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.12	0.08	0.08	0.21	0.21
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.09	0.00	0.00	0.09	0.09
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.51	0.00	0.00	0.51	0.51
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.49	0.00	0.00	0.49	0.49
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.66	0.00	0.00	0.66	0.66
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.26	0.00	0.00	0.26	0.26
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.54	0.00	0.00	0.54	0.54

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2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.39	0.00	0.00	0.39	0.39
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.06	0.00	0.00	0.06	0.06
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.08	0.00	0.00	0.08	0.08
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	5.42	0.05	0.05	5.47	5.47
2006	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	2.83	0.00	0.00	2.83	2.83
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.30	1.02	1.02	1.32	1.32
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.27	0.00	0.00	1.27	1.27
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.47	0.00	0.00	1.47	1.47
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.03	0.03	0.07	0.07
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	2.37	0.00	0.00	2.37	2.37
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	17.08	0.00	0.00	17.08	17.08
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.46	0.00	0.00	0.46	0.46
2006	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.10	0.00	0.00	0.10	0.10
2006	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.15	0.00	0.00	0.15	0.15
2006	OA FG – H&L	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	1.59	0.00	0.00	1.59	1.59
2006	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	1.37	1.37	1.37	1.37
2006	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2006	OA FG – H&L	gf.	Other gf.	Leopard shark	2.59	0.00	0.00	2.59	2.59
2006	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.48	0.00	0.00	0.48	0.48
2006	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.11	0.00	0.00	0.11	0.11
2006	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.28	0.28	0.28	0.28
2006	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.05	0.20	0.20	0.26	0.26
2006	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.06	0.00	0.00	0.06	0.06
2006	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	326.51	54.26	10.85	380.77	337.36

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	16.98	0.00	0.00	16.98	16.98
2006	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.30	14.17	14.17	14.47	14.47
2006	OA FG – H&L	gf.	SST (S of 34°27')	SST	1.34	0.00	0.00	1.34	1.34
2006	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	60.00	48.14	24.07	108.14	84.07
2006	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.07	0.00	0.00	0.07	0.07
2006	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.45	0.00	0.00	0.45	0.45
2006	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.49	0.00	0.00	0.49	0.49
2006	OA FG – H&L	ngf.	CA halibut	CA halibut	0.30	0.00	0.00	0.30	0.30
2006	OA FG – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.12	0.12	0.12	0.12
2006	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.09	0.00	0.00	0.09	0.09
2006	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.05	0.00	0.00	0.05	0.05
2006	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.11	0.00	0.00	0.11	0.11
2006	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.32	1.32	1.32	1.32
2006	OA FG – H&L	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.33	1.33	1.33	1.33
2006	OA FG – H&L	ngf.	Other ngf.	Bull sculpin	0.00	0.05	0.05	0.05	0.05
2006	OA FG – H&L	ngf.	Other ngf.	CA sheephead	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.72	0.72	0.72	0.72
2006	OA FG – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.17	0.17	0.17	0.17
2006	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.09	0.09	0.09	0.09
2006	OA FG – H&L	ngf.	Other ngf.	Dorado	0.03	0.00	0.00	0.03	0.03
2006	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.67	0.67	0.67	0.67
2006	OA FG – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.49	0.49	0.49	0.49
2006	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2006	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2006	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2006	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	44.40	0.00	44.40	0.00
2006	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.08	0.08	0.08	0.08
2006	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.56	0.56	0.56	0.56
2006	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.01	14.70	14.70	14.70	14.70
2006	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	3.81	0.00	0.00	3.81	3.81
2006	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.22	0.00	0.00	0.22	0.22
2006	OA FG – H&L	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2006	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.14	0.00	0.00	0.14	0.14
2006	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.10	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2006	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.19	0.19	0.20	0.20
2006	OA FG – Pot	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2006	OA FG – Pot	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2006	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.88	0.88	0.89	0.89
2006	OA FG – Pot	gf.	Dover sole	Dover sole	0.22	0.30	0.30	0.52	0.52
2006	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.06	0.00	0.00	0.06	0.06
2006	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.55	0.00	0.00	0.55	0.55
2006	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.18	0.00	0.00	0.18	0.18
2006	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.02	0.00	0.00	0.02	0.02
2006	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2006	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.06	0.00	0.00	0.06	0.06
2006	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.49	0.00	0.00	0.49	0.49
2006	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.18	0.00	0.00	0.18	0.18
2006	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.02	0.31	0.31	1.33	1.33
2006	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.04	0.04	0.04	0.04
2006	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.36	0.36	0.36	0.36
2006	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.62	0.00	0.00	0.62	0.62
2006	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2006	OA FG – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.07	0.18	0.18	0.25	0.25
2006	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	371.61	31.70	6.34	403.32	377.95
2006	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	97.94	0.17	0.03	98.11	97.98
2006	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.08	0.00	0.00	0.08	0.08
2006	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.00	0.11	0.11	0.12	0.12
2006	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.15	0.15	0.15	0.15
2006	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.43	0.43	0.44	0.44
2006	OA FG – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2006	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	10.50	0.00	0.00	10.50	10.50
2006	OA FG – Pot	ngf.	Other ngf.	Black hagfish	0.00	0.03	0.03	0.03	0.03
2006	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.26	0.00	0.00	0.26	0.26
2006	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.03	0.00	0.00	0.03	0.03
2006	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	7.67	7.67	7.67	7.67
2006	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	5.42	0.01	0.01	5.42	5.42
2006	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.43	0.43	0.43	0.43
2006	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.00	0.23	0.23	0.23	0.23

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.06	0.00	0.00	0.06	0.06
2006	OA FG – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2006	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.30	0.30	0.30	0.30
2006	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.92	0.00	0.92	0.00
2006	OA FG – Pot	ngf.	Other ngf.	Pacific sardine	0.05	0.00	0.00	0.05	0.05
2006	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.86	0.00	0.00	0.86	0.86
2006	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.29	0.29	0.29	0.29
2006	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.06	0.06	0.06	0.06
2006	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.10	0.00	0.00	0.10	0.10
2006	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.35	0.00	0.00	0.35	0.35
2006	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.19	0.19	0.19	0.19
2006	OA FG – Pot	ngf.	Other ngf.	Spot prawn	0.90	0.00	0.00	0.90	0.90
2006	OA FG – Pot	ngf.	Other ngf.	Squid, unid.	0.12	0.00	0.00	0.12	0.12
2006	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.35	0.35	0.35	0.35
2006	OA FG – Pot	ngf.	Shared ECS	Smelt, unid.	0.02	0.00	0.00	0.02	0.02
2006	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.02	0.02	0.02	0.02
2006	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.18	0.18	0.18	0.18
2006	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	1.68	0.00	0.00	1.68	1.68
2006	PHLB Derby	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2006	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2006	PHLB Derby	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2006	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	2.09	0.00	0.00	2.09	2.09
2006	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05
2006	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2006	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2006	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.57	0.00	0.00	0.57	0.57
2006	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2006	PHLB Derby	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2006	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	38.74	0.00	0.00	38.74	38.74
2006	PHLB Derby	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2006	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2006	PHLB Derby	ngf.	Other ngf.	Albacore tuna	1.79	0.00	0.00	1.79	1.79
2006	PHLB Derby	ngf.	Other ngf.	Skate, unid.	1.40	0.00	0.00	1.40	1.40
2006	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2006	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2006	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	8399.71	0.00	0.00	8399.71	8399.71
2006	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	6.64	6.64
2006	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	0.40	0.40
2006	Research	gf.	Blue/deacon rf.	Blue/deacon rf.	0.00	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Research	gf.	Bocaccio rf.	Bocaccio rf.	0.00	0.00	0.00	1.49	1.49
2006	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	7.79	7.79
2006	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	8.29	8.29
2006	Research	gf.	Cowcod (N of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.01	0.01
2006	Research	gf.	Cowcod (S of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.05	0.05
2006	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.86	0.86
2006	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	28.88	28.88
2006	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	5.50	5.50
2006	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.49	2.49
2006	Research	gf.	Groundfish, unid.	Groundfish, unid.	0.00	0.00	0.00	15.62	15.62
2006	Research	gf.	Lingcod	Lingcod	0.00	0.00	0.00	5.75	5.75
2006	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	1.91	1.91
2006	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	10.56	10.56
2006	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	1.03	1.03
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.43	0.43
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.01	0.01
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	1.70	1.70
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2006	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.02	0.02
2006	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.10	0.10
2006	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.05	0.05
2006	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.78	0.78
2006	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.05	0.05
2006	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2006	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.77	0.77
2006	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.38	0.38
2006	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.18	0.18
2006	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	11.94	11.94
2006	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.01	0.01
2006	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.01	0.01
2006	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	7.48	7.48
2006	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.19	0.19
2006	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	17.01	17.01
2006	Research	gf.	POP	POP	0.00	0.00	0.00	1.22	1.22
2006	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	2.27	2.27
2006	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	13.61	13.61
2006	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.73	1.73

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.10	1.10
2006	Research	gf.	SST	SST	0.00	0.00	0.00	4.21	4.21
2006	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	13.67	13.67
2006	Research	gf.	Splitnose rf.	Splitnose rf.	0.00	0.00	0.00	3.48	3.48
2006	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2006	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.27	0.27
2006	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.67	0.67
2006	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	1.72	1.72
2006	Research	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2006	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	6.50	6.50
2006	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.03	0.03
2006	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	2.26	2.26
2006	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.50	0.50
2006	Research	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2006	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.02	0.02
2006	Research	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2006	Research	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2006	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.50	0.50
2006	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.03	0.03
2006	Research	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2006	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2006	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.19	0.00	0.00	0.19	0.19
2006	RBPT	gf.	English sole	English sole	0.28	0.00	0.00	0.28	0.28
2006	RBPT	gf.	Other flatfish	Butter sole	0.07	0.00	0.00	0.07	0.07
2006	RBPT	gf.	Other flatfish	Flatfish, unid.	8.59	0.00	0.00	8.59	8.59
2006	RBPT	gf.	Other flatfish	Sanddab, unid.	0.04	0.00	0.00	0.04	0.04
2006	RBPT	gf.	Pacific hake	Pacific hake	0.27	0.00	0.00	0.27	0.27
2006	RBPT	ngf.	CA halibut	CA halibut	1.26	0.00	0.00	1.26	1.26
2006	RBPT	ngf.	Other ngf.	Crab, unid.	0.02	0.00	0.00	0.02	0.02
2006	RBPT	ngf.	Other ngf.	Market squid	0.12	0.00	0.00	0.12	0.12
2006	RBPT	ngf.	Other ngf.	Mixed species	3.74	0.00	0.00	3.74	3.74
2006	RBPT	ngf.	Other ngf.	Pacific angel shark	0.38	0.00	0.00	0.38	0.38
2006	RBPT	ngf.	Other ngf.	Pacific mackerel	0.04	0.00	0.00	0.04	0.04
2006	RBPT	ngf.	Other ngf.	Red rock crab	0.22	0.00	0.00	0.22	0.22
2006	RBPT	ngf.	Other ngf.	Ridgeback prawn	72.39	0.00	0.00	72.39	72.39
2006	RBPT	ngf.	Other ngf.	Skate, unid.	0.42	0.00	0.00	0.42	0.42
2006	RBPT	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01
2006	RBPT	ngf.	Other ngf.	White croaker	15.19	0.00	0.00	15.19	15.19
2006	RBPT	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	SCT	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	SCT	ngf.	CA halibut	CA halibut	0.03	0.00	0.00	0.03	0.03
2006	SCT	ngf.	Other ngf.	Ridgeback prawn	0.00	0.00	0.00	0.00	0.00
2006	SCT	ngf.	Other ngf.	Sea cucumber, unid.	65.33	0.00	0.00	65.33	65.33
2006	SCT	ngf.	Other ngf.	Skate, unid.	0.02	0.00	0.00	0.02	0.02
2006	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	2.37	0.00	0.00	2.37	2.37
2006	Shoreside Hake	gf.	Black rf. (OR)	Black rf.	0.03	0.00	0.00	0.03	0.03
2006	Shoreside Hake	gf.	Canary rf.	Canary rf.	1.64	0.00	0.00	1.64	1.64
2006	Shoreside Hake	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	2.35	0.00	0.00	2.35	2.35
2006	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	2.21	0.00	0.00	2.21	2.21
2006	Shoreside Hake	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2006	Shoreside Hake	gf.	ECS	Grenadier, unid.	0.02	0.00	0.00	0.02	0.02
2006	Shoreside Hake	gf.	ECS	Soupfin shark	1.74	0.00	0.00	1.74	1.74
2006	Shoreside Hake	gf.	ECS	Spotted ratfish	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	5.87	0.00	0.00	5.87	5.87
2006	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.07	0.00	0.00	0.07	0.07
2006	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	12.65	0.00	0.00	12.65	12.65
2006	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.27	0.00	0.00	0.27	0.27
2006	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.45	0.00	0.00	0.45	0.45
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.07	0.00	0.00	0.07	0.07
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.35	0.00	0.00	0.35	0.35
2006	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	2.42	0.00	0.00	2.42	2.42
2006	Shoreside Hake	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Other flatfish	Rex sole	0.08	0.00	0.00	0.08	0.08
2006	Shoreside Hake	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Shoreside Hake	gf.	Other rf.	Rockfish, unid.	0.22	0.00	0.00	0.22	0.22
2006	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.90	0.00	0.00	0.90	0.90
2006	Shoreside Hake	gf.	Pacific hake	Pacific hake	97362.27	0.00	0.00	97362.27	97362.27
2006	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.12	0.00	0.00	0.12	0.12
2006	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.04	0.00	0.00	0.04	0.04
2006	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	11.06	0.00	0.00	11.06	11.06
2006	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.28	0.00	0.00	0.28	0.28
2006	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.08	0.00	0.00	0.08	0.08
2006	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	34.33	0.00	0.00	34.33	34.33
2006	Shoreside Hake	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	10.72	0.00	0.00	10.72	10.72
2006	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	gf.	Widow rf.	Widow rf.	49.52	0.00	0.00	49.52	49.52
2006	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.06	0.00	0.00	0.06	0.06
2006	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	155.95	0.00	0.00	155.95	155.95
2006	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2006	Shoreside Hake	ngf.	Other ngf.	American shad	41.01	0.00	0.00	41.01	41.01
2006	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.61	0.00	0.00	0.61	0.61
2006	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.30	0.00	0.00	0.30	0.30
2006	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.63	0.00	0.00	0.63	0.63
2006	Shoreside Hake	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	5.67	0.00	0.00	5.67	5.67
2006	Shoreside Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.63	0.00	0.00	0.63	0.63
2006	Shoreside Hake	ngf.	Other ngf.	Market squid	0.22	0.00	0.00	0.22	0.22
2006	Shoreside Hake	ngf.	Other ngf.	Mixed species	2.36	0.00	0.00	2.36	2.36
2006	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.04	0.00	0.00	0.04	0.04
2006	Shoreside Hake	ngf.	Other ngf.	Pacific herring	15.15	0.00	0.00	15.15	15.15
2006	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.05	0.00	0.00	0.05	0.05
2006	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.67	0.00	0.00	0.67	0.67
2006	Shoreside Hake	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	0.96	0.00	0.00	0.96	0.96
2006	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	1.85	0.00	0.00	1.85	1.85
2006	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	0.37	0.00	0.00	0.37	0.37
2006	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2006	Shoreside Hake	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	1.62	1.62	1.69	1.69

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.04	0.04	0.04	0.04
2006	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.13	0.01	0.01	0.14	0.14
2006	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.08	0.08	0.09	0.09
2006	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.12	0.07	0.07	0.19	0.19
2006	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	5405.42	7.83	7.83	5413.25	5413.25
2006	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.47	0.00	0.00	0.47	0.47
2006	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.00	35.26	35.26	35.26	35.26
2006	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	2.62	0.00	0.00	2.63	2.63
2006	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	45.46	0.07	0.07	45.53	45.53
2006	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.00	0.13	0.13	0.13	0.13
2006	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2006	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.19	0.19	0.19	0.19
2006	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02
2006	Tribal A-S Hake	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2006	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	0.00	0.38	0.38	0.38	0.38
2006	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	198.83	0.00	0.00	198.83	198.83
2006	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.04	0.00	0.00	0.04	0.04
2006	Tribal Shoreside	gf.	Canary rf.	Canary rf.	3.03	0.00	0.00	3.03	3.03
2006	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.14	0.00	0.00	0.14	0.14
2006	Tribal Shoreside	gf.	Dover sole	Dover sole	223.40	0.00	0.00	223.40	223.40
2006	Tribal Shoreside	gf.	English sole	English sole	42.03	0.00	0.00	42.03	42.03
2006	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	44.91	0.00	0.00	44.91	44.91
2006	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2006	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.24	0.00	0.00	0.24	0.24
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.97	0.00	0.00	0.97	0.97
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.22	0.00	0.00	0.22	0.22
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.79	0.00	0.00	1.79	1.79
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.97	0.00	0.00	1.97	1.97
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.11	0.00	0.00	0.11	0.11
2006	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	1.45	0.00	0.00	1.45	1.45
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	6.01	0.00	0.00	6.01	6.01
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	20.88	0.00	0.00	20.88	20.88
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.05	0.00	0.00	0.05	0.05
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.45	0.00	0.00	1.45	1.45
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.14	0.00	0.00	0.14	0.14
2006	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2006	Tribal Shoreside	gf.	Other flatfish	Butter sole	0.01	0.00	0.00	0.01	0.01
2006	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	30.05	0.00	0.00	30.05	30.05
2006	Tribal Shoreside	gf.	Other flatfish	Rex sole	20.62	0.00	0.00	20.62	20.62
2006	Tribal Shoreside	gf.	Other flatfish	Rock sole	1.15	0.00	0.00	1.15	1.15
2006	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.02	0.00	0.00	0.02	0.02
2006	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	7.94	0.00	0.00	7.94	7.94
2006	Tribal Shoreside	gf.	Pacific cod	Pacific cod	35.59	0.00	0.00	35.59	35.59
2006	Tribal Shoreside	gf.	Pacific hake	Pacific hake	29896.25	0.00	0.00	29896.25	29896.25
2006	Tribal Shoreside	gf.	POP (N of 40°10')	POP	3.87	0.00	0.00	3.87	3.87
2006	Tribal Shoreside	gf.	Petrale sole	Petrale sole	26.39	0.00	0.00	26.39	26.39
2006	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	669.46	0.00	0.00	669.46	669.46
2006	Tribal Shoreside	gf.	SST (N of 34°27')	SST	21.49	0.00	0.00	21.49	21.49
2006	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	76.78	0.00	0.00	76.78	76.78
2006	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.05	0.00	0.00	0.05	0.05
2006	Tribal Shoreside	gf.	Widow rf.	Widow rf.	9.97	0.00	0.00	9.97	9.97
2006	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.49	0.00	0.00	0.49	0.49
2006	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	171.87	0.00	0.00	171.87	171.87
2006	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	987.64	0.00	0.00	987.64	987.64
2006	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	9.98	0.00	0.00	9.98	9.98
2006	Tribal Shoreside	ngf.	Other ngf.	American shad	10.67	0.00	0.00	10.67	10.67
2006	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2006	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.13	0.00	0.00	0.13	0.13
2006	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.37	0.00	0.00	0.37	0.37
2006	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	0.21	0.00	0.00	0.21	0.21
2006	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2006	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	38.88	0.00	0.00	38.88	38.88
2006	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.16	0.00	0.00	0.16	0.16
2006	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	0.87	0.00	0.00	0.87	0.87
2007	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	1.11	0.75	0.75	1.85	1.85
2007	A-S Hake CP	gf.	Big skate	Big skate	0.01	0.36	0.36	0.37	0.37
2007	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.20	0.14	0.14	0.35	0.35
2007	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	2.75	2.55	2.55	5.31	5.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	A-S Hake CP	gf.	Dover sole	Dover sole	0.01	0.03	0.03	0.04	0.04
2007	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.21	0.21	0.21	0.21
2007	A-S Hake CP	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.70	0.25	0.25	0.95	0.95
2007	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.04	0.07	0.07	0.12	0.12
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.07	0.07	0.09	0.09
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.02	0.02
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.04	0.04	0.06	0.06
2007	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	17.32	9.98	9.98	27.30	27.30
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.11	0.18	0.18	0.29	0.29
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.23	0.21	0.21	0.44	0.44
2007	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2007	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Other flatfish	Rex sole	0.11	0.05	0.05	0.16	0.16
2007	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Pacific hake	Pacific hake	72898.09	660.45	660.45	73558.54	73558.54
2007	A-S Hake CP	gf.	POP (N of 40°10')	POP	2.29	0.65	0.65	2.94	2.94
2007	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	2.79	0.27	0.27	3.06	3.06
2007	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	gf.	SST (N of 34°27')	SST	1.67	0.99	0.99	2.66	2.66
2007	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	44.94	18.57	18.57	63.51	63.51
2007	A-S Hake CP	gf.	Widow rf.	Widow rf.	45.24	27.89	27.89	73.13	73.13
2007	A-S Hake CP	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2007	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	15.46	13.71	13.71	29.17	29.17
2007	A-S Hake CP	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	A-S Hake CP	ngf.	Other ngf.	American shad	1.59	0.36	0.36	1.96	1.96
2007	A-S Hake CP	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Black eelpout	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Blacktail snailfish group	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	5.34	3.10	3.10	8.44	8.44
2007	A-S Hake CP	ngf.	Other ngf.	Coral/bryozoan, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.03	0.03	0.03	0.03
2007	A-S Hake CP	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	10.35	709.42	709.42	719.77	719.77
2007	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.51	0.51	0.51	0.51
2007	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	0.17	0.11	0.11	0.28	0.28
2007	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.18	0.18	0.18	0.18
2007	A-S Hake CP	ngf.	Other ngf.	King of the salmon	2.46	5.33	5.33	7.80	7.80
2007	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Longfin dragonfish	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.25	0.27	0.27	0.51	0.51
2007	A-S Hake CP	ngf.	Other ngf.	Manefish	0.03	0.01	0.01	0.04	0.04
2007	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.01	0.01	0.01	0.02	0.02
2007	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.01	0.26	0.26	0.27	0.27
2007	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.03	0.03	0.03	0.03
2007	A-S Hake CP	ngf.	Other ngf.	Northern pearleye	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.03	0.09	0.09	0.12	0.12
2007	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.50	0.50	0.50	0.50
2007	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.00	0.06	0.06	0.06	0.06
2007	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.06	0.02	0.02	0.08	0.08
2007	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.37	1.37	1.37	1.37
2007	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Pelagic octopus, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Ragfish	1.86	23.90	23.90	25.76	25.76

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	1.15	1.15	1.15	1.15
2007	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.00	0.10	0.10	0.10	0.10
2007	A-S Hake CP	ngf.	Other ngf.	Shining loosejaw	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Silver spinyfin	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	13.29	45.31	45.31	58.60	58.60
2007	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.01	0.01	0.01	0.02	0.02
2007	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.01	0.01	0.01	0.02	0.02
2007	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.03	0.01	0.01	0.04	0.04
2007	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.05	0.04	0.04	0.09	0.09
2007	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.09	0.19	0.19	0.27	0.27
2007	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Shared ECS	Smelt/herring, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.35	0.32	0.32	0.67	0.67
2007	A-S Hake MSCV	gf.	Big skate	Big skate	0.09	0.22	0.22	0.31	0.31
2007	A-S Hake MSCV	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.90	0.72	0.72	1.62	1.62
2007	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	1.65	5.09	5.09	6.75	6.75
2007	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.02	0.02	0.02	0.02
2007	A-S Hake MSCV	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.00	0.32	0.32	0.32	0.32
2007	A-S Hake MSCV	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	1.36	2.88	2.88	4.23	4.23
2007	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.11	0.34	0.34	0.45	0.45
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.01	0.01	0.04	0.04
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.16	0.16	0.16	0.32	0.32
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.01	0.01
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.42	0.67	0.67	1.08	1.08
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.02	0.02	0.05	0.05
2007	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.02	0.00	0.00	0.02	0.02
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.20	0.00	0.00	0.20	0.20
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.68	0.05	0.05	1.72	1.72
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.84	0.84	0.84	0.84
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.01	0.01	0.02	0.02
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.02	0.00	0.00	0.02	0.02
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.19	0.57	0.57	1.75	1.75
2007	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.02	0.02	0.02	0.02
2007	A-S Hake MSCV	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.02	0.09	0.09	0.10	0.10
2007	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	47276.26	380.33	380.33	47656.58	47656.58
2007	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.43	0.30	0.30	0.73	0.73
2007	A-S Hake MSCV	gf.	Petrale sole	Petrale sole	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.08	0.02	0.02	0.09	0.09
2007	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.01	0.06	0.06	0.07	0.07
2007	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	1.88	20.73	20.73	22.61	22.61
2007	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	29.13	43.82	43.82	72.95	72.95
2007	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	16.17	23.11	23.11	39.29	39.29
2007	A-S Hake MSCV	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2007	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.72	2.87	2.87	3.59	3.59
2007	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.03	0.03	0.03	0.03
2007	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.00	0.06	0.06	0.06	0.06
2007	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.02	0.02	0.02	0.04	0.04
2007	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.01	0.13	0.13	0.13	0.13
2007	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.70	0.12	0.12	0.82	0.82
2007	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.04	0.04	0.04	0.04
2007	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.62	0.62	0.62	0.62
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.14	0.14	0.14	0.14
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.00	0.30	0.30	0.30	0.30
2007	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.08	0.08	0.08	0.08
2007	A-S Hake MSCV	ngf.	Other ngf.	Prowfish	0.00	0.02	0.02	0.02	0.02
2007	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.00	0.06	0.06	0.06	0.06
2007	A-S Hake MSCV	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	2.02	2.02	2.02	2.02
2007	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.00	0.03	0.03	0.03	0.03
2007	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Skate, unid.	0.03	0.00	0.00	0.03	0.03
2007	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	3.98	3.67	3.67	7.65	7.65
2007	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2007	CS – BT	ngf.	Other ngf.	PHLB	0.00	294.38	208.81	294.38	208.81
2007	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	5.36	0.00	0.00	5.36	5.36
2007	Incidental	gf.	Black rf. (CA)	Black rf.	0.16	0.00	0.00	0.16	0.16
2007	Incidental	gf.	Black rf. (OR)	Black rf.	0.23	0.00	0.00	0.23	0.23
2007	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.42	0.00	0.00	0.42	0.42
2007	Incidental	gf.	Cabezon (CA)	Cabezon	0.16	0.00	0.00	0.16	0.16
2007	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.46	0.00	0.00	1.46	1.46
2007	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.22	0.00	0.00	0.22	0.22
2007	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.00	0.00	0.04	0.04
2007	Incidental	gf.	Dover sole	Dover sole	16.81	0.00	0.00	16.81	16.81
2007	Incidental	gf.	ECS	Soupfin shark	16.47	0.00	0.00	16.47	16.47
2007	Incidental	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	8.56	0.00	0.00	8.56	8.56
2007	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	1.23	0.00	0.00	1.23	1.23
2007	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.04	0.00	0.00	0.04	0.04
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.33	0.00	0.00	0.33	0.33
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.49	0.00	0.00	0.49	0.49
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.08	0.00	0.00	0.08	0.08
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.04	0.00	0.00	0.04	0.04
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.18	0.00	0.00	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.03	0.00	0.00	0.03	0.03
2007	Incidental	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.23	0.00	0.00	0.23	0.23
2007	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.26	0.00	0.00	0.26	0.26
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.06	0.00	0.00	0.06	0.06
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.90	0.00	0.00	0.90	0.90
2007	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.33	0.00	0.00	0.33	0.33
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.26	0.00	0.00	0.26	0.26
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.00	0.00	0.08	0.08
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.14	0.00	0.00	0.14	0.14
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2007	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	7.50	0.00	0.00	7.50	7.50
2007	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.17	0.00	0.00	0.17	0.17
2007	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Other flatfish	Flatfish, unid.	4.60	0.00	0.00	4.60	4.60
2007	Incidental	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2007	Incidental	gf.	Other flatfish	Rex sole	0.03	0.00	0.00	0.03	0.03
2007	Incidental	gf.	Other flatfish	Sand sole	0.09	0.00	0.00	0.09	0.09
2007	Incidental	gf.	Other flatfish	Sanddab, unid.	0.15	0.00	0.00	0.15	0.15
2007	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.02	0.00	0.00	0.02	0.02
2007	Incidental	gf.	Other gf.	Leopard shark	7.91	0.00	0.00	7.91	7.91
2007	Incidental	gf.	Other rf.	Rockfish, unid.	0.41	0.00	0.00	0.41	0.41
2007	Incidental	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2007	Incidental	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2007	Incidental	gf.	Petrale sole	Petrale sole	0.13	0.00	0.00	0.13	0.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Incidental	gf.	Sablefish (N of 36°)	Sablefish	58.00	0.00	0.00	58.00	58.00
2007	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.13	0.00	0.00	0.13	0.13
2007	Incidental	gf.	SST (N of 34°27')	SST	0.77	0.00	0.00	0.77	0.77
2007	Incidental	gf.	SST (S of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2007	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.05	0.00	0.00	0.05	0.05
2007	Incidental	gf.	Starry flounder	Starry flounder	0.05	0.00	0.00	0.05	0.05
2007	Incidental	gf.	Widow rf.	Widow rf.	3.01	0.00	0.00	3.01	3.01
2007	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	2.73	0.00	0.00	2.73	2.73
2007	Incidental	ngf.	CA halibut	CA halibut	95.70	0.00	0.00	95.70	95.70
2007	Incidental	ngf.	Dungeness crab	Dungeness crab	18450.99	0.00	0.00	18450.99	18450.99
2007	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2007	Incidental	ngf.	Other ngf.	Abalone, unid.	1.31	0.00	0.00	1.31	1.31
2007	Incidental	ngf.	Other ngf.	Albacore tuna	11547.57	0.00	0.00	11547.57	11547.57
2007	Incidental	ngf.	Other ngf.	American shad	20.10	0.00	0.00	20.10	20.10
2007	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	380.18	0.00	0.00	380.18	380.18
2007	Incidental	ngf.	Other ngf.	Basket cockle	58.13	0.00	0.00	58.13	58.13
2007	Incidental	ngf.	Other ngf.	Bat ray	4.03	0.00	0.00	4.03	4.03
2007	Incidental	ngf.	Other ngf.	Bigeye thresher shark	4.83	0.00	0.00	4.83	4.83
2007	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.82	0.00	0.00	0.82	0.82
2007	Incidental	ngf.	Other ngf.	Black skipjack	0.13	0.00	0.00	0.13	0.13
2007	Incidental	ngf.	Other ngf.	Blue shark	9.43	0.00	0.00	9.43	9.43
2007	Incidental	ngf.	Other ngf.	Bluefin tuna	44.77	0.00	0.00	44.77	44.77
2007	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	42.01	0.00	0.00	42.01	42.01
2007	Incidental	ngf.	Other ngf.	Butter clam	10.34	0.00	0.00	10.34	10.34
2007	Incidental	ngf.	Other ngf.	CA barracuda	40.57	0.00	0.00	40.57	40.57
2007	Incidental	ngf.	Other ngf.	CA sheephead	1.11	0.00	0.00	1.11	1.11
2007	Incidental	ngf.	Other ngf.	CA spiny lobster	298.22	0.00	0.00	298.22	298.22
2007	Incidental	ngf.	Other ngf.	Clam, unid.	0.41	0.00	0.00	0.41	0.41
2007	Incidental	ngf.	Other ngf.	Common thresher shark	203.45	0.00	0.00	203.45	203.45
2007	Incidental	ngf.	Other ngf.	Crab, unid.	39.38	0.00	0.00	39.38	39.38
2007	Incidental	ngf.	Other ngf.	Croaker, unid.	0.95	0.00	0.00	0.95	0.95
2007	Incidental	ngf.	Other ngf.	Dorado	0.09	0.00	0.00	0.09	0.09
2007	Incidental	ngf.	Other ngf.	Echinoderm, unid.	3.55	0.00	0.00	3.55	3.55
2007	Incidental	ngf.	Other ngf.	Eel, unid.	0.76	0.00	0.00	0.76	0.76
2007	Incidental	ngf.	Other ngf.	Gaper clam	1.02	0.00	0.00	1.02	1.02
2007	Incidental	ngf.	Other ngf.	Ghost shrimp	12.57	0.00	0.00	12.57	12.57
2007	Incidental	ngf.	Other ngf.	Giant kelpfish	0.00	0.00	0.00	0.00	0.00
2007	Incidental	ngf.	Other ngf.	Giant sea bass	3.90	0.00	0.00	3.90	3.90
2007	Incidental	ngf.	Other ngf.	Hagfish, unid.	1293.39	0.00	0.00	1293.39	1293.39

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Incidental	ngf.	Other ngf.	Jack mackerel	639.01	0.00	0.00	639.01	639.01
2007	Incidental	ngf.	Other ngf.	King crab, unid.	0.07	0.00	0.00	0.07	0.07
2007	Incidental	ngf.	Other ngf.	Mackerel, unid.	4.60	0.00	0.00	4.60	4.60
2007	Incidental	ngf.	Other ngf.	Market squid	49474.36	0.00	0.00	49474.36	49474.36
2007	Incidental	ngf.	Other ngf.	Mixed species	57.89	0.00	0.00	57.89	57.89
2007	Incidental	ngf.	Other ngf.	Mollusc, unid.	75.50	0.00	0.00	75.50	75.50
2007	Incidental	ngf.	Other ngf.	Mud shrimp	1.22	0.00	0.00	1.22	1.22
2007	Incidental	ngf.	Other ngf.	Native littleneck clam	0.01	0.00	0.00	0.01	0.01
2007	Incidental	ngf.	Other ngf.	Northern anchovy	10543.33	0.00	0.00	10543.33	10543.33
2007	Incidental	ngf.	Other ngf.	Octopus, unid.	1.17	0.00	0.00	1.17	1.17
2007	Incidental	ngf.	Other ngf.	Pacific angel shark	7.46	0.00	0.00	7.46	7.46
2007	Incidental	ngf.	Other ngf.	Pacific bonito	219.14	0.00	0.00	219.14	219.14
2007	Incidental	ngf.	Other ngf.	Pacific herring	612.09	0.00	0.00	612.09	612.09
2007	Incidental	ngf.	Other ngf.	Pacific mackerel	5748.67	0.00	0.00	5748.67	5748.67
2007	Incidental	ngf.	Other ngf.	Pacific sardine	127787.54	0.00	0.00	127787.54	127787.54
2007	Incidental	ngf.	Other ngf.	Pelagic thresher shark	1.74	0.00	0.00	1.74	1.74
2007	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.20	0.00	0.00	0.20	0.20
2007	Incidental	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01
2007	Incidental	ngf.	Other ngf.	Razor clam	76.11	0.00	0.00	76.11	76.11
2007	Incidental	ngf.	Other ngf.	Red rock crab	570.98	0.00	0.00	570.98	570.98
2007	Incidental	ngf.	Other ngf.	Red urchin	5242.91	0.00	0.00	5242.91	5242.91
2007	Incidental	ngf.	Other ngf.	Ridgeback prawn	4.69	0.00	0.00	4.69	4.69
2007	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.43	0.00	0.00	1.43	1.43
2007	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	167.62	0.00	0.00	167.62	167.62
2007	Incidental	ngf.	Other ngf.	Shark, unid.	3.22	0.00	0.00	3.22	3.22
2007	Incidental	ngf.	Other ngf.	Shrimp, unid.	13.50	0.00	0.00	13.50	13.50
2007	Incidental	ngf.	Other ngf.	Skate, unid.	18.16	0.00	0.00	18.16	18.16
2007	Incidental	ngf.	Other ngf.	Skipjack tuna	2.82	0.00	0.00	2.82	2.82
2007	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.15	0.00	0.00	0.15	0.15
2007	Incidental	ngf.	Other ngf.	Spot prawn	127.39	0.00	0.00	127.39	127.39
2007	Incidental	ngf.	Other ngf.	Squid, unid.	67.26	0.00	0.00	67.26	67.26
2007	Incidental	ngf.	Other ngf.	Surfperch, unid.	8.41	0.00	0.00	8.41	8.41
2007	Incidental	ngf.	Other ngf.	Swordfish	549.08	0.00	0.00	549.08	549.08
2007	Incidental	ngf.	Other ngf.	Tuna, unid.	0.01	0.00	0.00	0.01	0.01
2007	Incidental	ngf.	Other ngf.	Urchin, unid.	0.90	0.00	0.00	0.90	0.90
2007	Incidental	ngf.	Other ngf.	White croaker	17.10	0.00	0.00	17.10	17.10
2007	Incidental	ngf.	Other ngf.	White sea bass	220.30	0.00	0.00	220.30	220.30
2007	Incidental	ngf.	Other ngf.	Wolf-eel	0.06	0.00	0.00	0.06	0.06
2007	Incidental	ngf.	Other ngf.	Yellowfin tuna	84.44	0.00	0.00	84.44	84.44

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Incidental	ngf.	Other ngf.	Yellowtail amberjack	11.04	0.00	0.00	11.04	11.04
2007	Incidental	ngf.	Shared ECS	Smelt, unid.	139.88	0.00	0.00	139.88	139.88
2007	LE CA Halibut	gf.	Big skate	Big skate	0.00	4.51	2.26	4.51	2.26
2007	LE CA Halibut	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.13	0.00	0.00	0.13	0.13
2007	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.46	0.00	0.00	0.46	0.46
2007	LE CA Halibut	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.02	0.00	0.00	0.02	0.02
2007	LE CA Halibut	gf.	Dover sole	Dover sole	0.17	0.00	0.00	0.17	0.17
2007	LE CA Halibut	gf.	ECS	CA skate	0.00	2.79	2.79	2.79	2.79
2007	LE CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.04	0.04	0.04	0.04
2007	LE CA Halibut	gf.	ECS	Soupfin shark	0.08	0.07	0.07	0.15	0.15
2007	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.11	0.11	0.11	0.11
2007	LE CA Halibut	gf.	English sole	English sole	0.44	0.84	0.84	1.28	1.28
2007	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	1.05	0.05	0.03	1.10	1.08
2007	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.19	0.09	0.19	0.09
2007	LE CA Halibut	gf.	LST (N of 34°27')	LST	0.42	0.00	0.00	0.42	0.42
2007	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.03	0.00	0.00	0.03	0.03
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	2.57	0.00	0.00	2.57	2.57
2007	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2007	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.10	0.00	0.00	0.10	0.10
2007	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	8.03	0.00	0.00	8.03	8.03
2007	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	2.57	0.00	0.00	2.57	2.57
2007	LE CA Halibut	gf.	Mixed thornyheads	SST/LST	0.04	0.00	0.00	0.04	0.04
2007	LE CA Halibut	gf.	Other flatfish	Butter sole	0.01	0.00	0.00	0.01	0.01
2007	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	1.48	1.48	1.48	1.48
2007	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.18	0.00	0.00	0.18	0.18
2007	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	0.41	0.99	0.99	1.40	1.40
2007	LE CA Halibut	gf.	Other flatfish	Rex sole	0.12	0.05	0.05	0.17	0.17
2007	LE CA Halibut	gf.	Other flatfish	Rock sole	0.74	0.15	0.15	0.89	0.89
2007	LE CA Halibut	gf.	Other flatfish	Sand sole	1.67	0.15	0.15	1.82	1.82
2007	LE CA Halibut	gf.	Other gf.	Leopard shark	0.12	0.47	0.47	0.59	0.59
2007	LE CA Halibut	gf.	Petrale sole	Petrale sole	9.04	0.14	0.14	9.18	9.18
2007	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	2.46	0.00	0.00	2.46	2.46
2007	LE CA Halibut	gf.	SST (N of 34°27')	SST	0.23	0.00	0.00	0.23	0.23

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.24	0.99	0.99	1.23	1.23
2007	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	5.75	0.00	0.00	5.75	5.75
2007	LE CA Halibut	gf.	Starry flounder	Starry flounder	4.61	1.36	1.36	5.98	5.98
2007	LE CA Halibut	ngf.	CA halibut	CA halibut	18.60	3.81	3.81	22.41	22.41
2007	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	16.89	16.89	16.89	16.89
2007	LE CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.02	0.02	0.02	0.02
2007	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.13	0.01	0.01	0.14	0.14
2007	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.09	0.09	0.09	0.09
2007	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	26.33	26.33	26.33	26.33
2007	LE CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.39	1.39	1.39	1.39
2007	LE CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.05	0.05	0.05	0.05
2007	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Gray smoothhound shark	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.31	0.31	0.31	0.31
2007	LE CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	1.60	1.60	1.60	1.60
2007	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	3.59	3.59	3.59	3.59
2007	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.02	0.02	0.02	0.02
2007	LE CA Halibut	ngf.	Other ngf.	Mollusc, unid.	0.00	0.03	0.03	0.03	0.03
2007	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.03	0.03	0.03	0.03
2007	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.19	0.19	0.19	0.19
2007	LE CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.03	0.03	0.03	0.03
2007	LE CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.03	0.03	0.03	0.03
2007	LE CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.37	0.37	0.37	0.37
2007	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE CA Halibut	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.08	0.08	0.08	0.08
2007	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.64	0.64	0.64	0.64
2007	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.18	0.18	0.18	0.18
2007	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.07	0.00	0.00	0.07	0.07
2007	LE CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2007	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	1.20	0.06	0.06	1.26	1.26
2007	LE CA Halibut	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.25	0.25	0.25	0.25
2007	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.12	0.12	0.12	0.12
2007	LE CA Halibut	ngf.	Other ngf.	White croaker	0.01	0.25	0.25	0.27	0.27
2007	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.06	0.00	0.00	0.06	0.06
2007	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.12	0.12	0.12	0.12
2007	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.30	0.22	0.22	0.53	0.53
2007	LE FG DTL – H&L	gf.	Big skate	Big skate	0.00	0.07	0.07	0.07	0.07
2007	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.02	6.06	6.06	7.09	7.09
2007	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	3.68	0.00	0.00	3.68	3.68
2007	LE FG DTL – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.91	0.00	0.00	1.91	1.91
2007	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.25	4.83	4.83	5.08	5.08
2007	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	1.83	1.83	1.83	1.83
2007	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.20	0.20	0.20	0.20
2007	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	0.81	0.81	0.81	0.81
2007	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	19.91	0.56	0.56	20.47	20.47
2007	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.95	0.95	0.95	0.95
2007	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	12.34	12.34	12.34	12.34
2007	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.43	0.43	0.43	0.43
2007	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.36	0.36	0.36	0.36
2007	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.08	0.00	0.00	1.08	1.08
2007	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.60	0.04	0.00	0.65	0.61
2007	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	27.99	13.99	27.99	13.99
2007	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	5.48	0.79	0.79	6.27	6.27
2007	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	13.37	2.67	2.67	16.04	16.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.00	0.00	0.04	0.04
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.19	0.00	0.00	0.19	0.19
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.06	0.06	0.06	0.06
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.10	0.00	0.00	0.10	0.10
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.94	0.00	0.00	1.94	1.94
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.12	0.00	0.00	0.12	0.12
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.16	0.00	0.00	0.16	0.16
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.61	0.00	0.00	1.61	1.61
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.75	0.00	0.00	3.75	3.75
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.00	0.00	0.08	0.08
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.36	0.00	0.00	0.36	0.36
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.21	0.09	0.09	0.30	0.30
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.08	0.08	0.08	0.16	0.16
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	13.84	0.22	0.22	14.06	14.06
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.06	0.06	0.06	0.06
2007	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.46	0.00	0.00	0.46	0.46
2007	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	3.21	0.26	0.26	3.47	3.47
2007	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.18	0.00	0.00	0.18	0.18
2007	LE FG DTL – H&L	gf.	Other flatfish	Rex sole	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.29	0.00	0.00	0.29	0.29
2007	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.61	1.85	1.85	2.46	2.46
2007	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.20	0.00	0.00	0.20	0.20

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.04	0.02	0.02	0.06	0.06
2007	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	178.71	156.94	31.39	335.65	210.09
2007	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	62.92	2.40	0.48	65.32	63.40
2007	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	10.20	1.24	1.24	11.44	11.44
2007	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	130.16	7.94	7.94	138.10	138.10
2007	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	58.66	34.08	17.04	92.74	75.70
2007	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.04	0.01	0.01	0.05	0.05
2007	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.27	0.00	0.00	0.27	0.27
2007	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2007	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.10	0.00	0.00	0.10	0.10
2007	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.09	0.09	0.09	0.09
2007	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.09	0.09	0.09	0.09
2007	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	2.53	2.53	2.53	2.53
2007	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	1.15	0.04	0.04	1.19	1.19
2007	LE FG DTL – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	4.00	4.00	4.00	4.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.55	0.55	0.55	0.55
2007	LE FG DTL – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.02	0.00	0.00	0.02	0.02
2007	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	6.88	6.88	6.88	6.88
2007	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.59	0.59	0.59	0.59
2007	LE FG DTL – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.19	0.19	0.19	0.19
2007	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.34	1.34	1.34	1.34
2007	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.08	0.08	0.08	0.08
2007	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2007	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.13	0.00	0.00	0.13	0.13
2007	LE FG DTL – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.03	0.07	0.07	0.10	0.10
2007	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.31	0.31	0.31	0.31
2007	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2007	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	1.72	0.28	1.72	0.28
2007	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.03	0.00	0.00	0.03	0.03
2007	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.36	0.36	0.36	0.36
2007	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.19	0.19	0.19	0.19
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.61	0.61	0.61	0.61
2007	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.11	17.71	17.71	17.82	17.82
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.78	0.78	0.78	0.78
2007	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	3.34	3.95	3.95	7.29	7.29
2007	LE FG DTL – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.09	0.09	0.09	0.09
2007	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.25	0.25	0.25	0.25
2007	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.09	0.82	0.82	0.91	0.91
2007	LE FG DTL – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.04	0.00	0.00	0.04	0.04
2007	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.72	0.72	0.72	0.72
2007	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.02	0.02	0.02	0.02
2007	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.22	0.00	0.00	0.22	0.22
2007	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	2.15	0.58	0.12	2.73	2.26
2007	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.01	0.01	0.01	0.01
2007	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	2.01	0.00	0.00	2.01	2.01
2007	LE FG DTL – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.12	64.23	64.23	65.36	65.36

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.09	0.00	0.00	0.09	0.09
2007	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.01	0.14	0.14	0.14	0.14
2007	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.89	0.26	0.26	3.15	3.15
2007	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.59	1.07	1.07	1.66	1.66
2007	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.13	0.13	0.13	0.13
2007	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.31	0.31	0.31	0.31
2007	LE Sablefish – H&L	gf.	ECS	CA skate	0.00	0.07	0.07	0.07	0.07
2007	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.98	0.98	0.98	0.98
2007	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	8.02	0.01	0.01	8.03	8.03
2007	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.16	0.16	0.16	0.16
2007	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	1.72	1.72	1.72	1.72
2007	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.71	0.71	0.71	0.71
2007	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.06	2.06	2.06	2.06
2007	LE Sablefish – H&L	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	5.27	0.85	0.06	6.12	5.32
2007	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.19	0.00	0.00	0.19	0.19
2007	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	52.09	26.05	52.09	26.05
2007	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.42	0.01	0.01	0.43	0.43
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.33	0.33	0.33	0.33
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.22	0.51	0.51	0.74	0.74
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.16	0.16	0.18	0.18
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.38	0.00	0.00	0.38	0.38
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	2.66	0.14	0.14	2.80	2.80
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.03	0.00	0.00	0.03	0.03
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.01	0.01	0.04	0.04
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.12	0.00	0.00	0.12	0.12
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.65	0.84	0.84	1.49	1.49
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	13.11	1.95	1.95	15.06	15.06
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	27.13	9.54	9.54	36.68	36.68
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.39	0.36	0.36	1.75	1.75
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.67	0.67	0.67	0.67
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.10	0.01	0.01	1.11	1.11
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.07	0.14	0.14	0.20	0.20
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Spotted rf., unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.03	0.01	0.01	0.04	0.04
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.49	0.01	0.01	0.50	0.50
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.04	0.00	0.00	0.04	0.04
2007	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	3.03	0.00	0.00	3.03	3.03
2007	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.07	0.23	0.23	0.29	0.29
2007	LE Sablefish – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.10	0.10	0.10	0.10
2007	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	0.05	0.03	0.03	0.09	0.09
2007	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.09	0.09	0.09	0.09
2007	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.27	0.05	0.05	0.32	0.32
2007	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.17	0.13	0.13	0.30	0.30
2007	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1103.93	104.56	20.91	1208.48	1124.84
2007	LE Sablefish – H&L	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02
2007	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	11.20	3.47	3.47	14.67	14.67
2007	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	137.31	234.00	117.00	371.30	254.31
2007	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.01	0.02	0.02	0.03	0.03
2007	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.54	0.54	0.54	0.54
2007	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.25	0.27	0.27	0.52	0.52
2007	LE Sablefish – H&L	ngf.	CA halibut	CA halibut	0.05	0.00	0.00	0.05	0.05
2007	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.12	0.02	0.02	0.14	0.14
2007	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.07	0.10	0.10	0.16	0.16
2007	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	23.73	23.73	23.73	23.73
2007	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.42	0.42	0.42	0.42
2007	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.03	0.03	0.03	0.03
2007	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.05	0.05	0.05	0.05
2007	LE Sablefish – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.25	0.25	0.25	0.25
2007	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2007	LE Sablefish – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	26.29	128.33	20.53	154.62	46.82
2007	LE Sablefish – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.07	0.07	0.07	0.07
2007	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.09	0.09	0.09	0.09
2007	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	16.13	16.13	16.13	16.13
2007	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	14.07	2.25	2.25	16.32	16.32
2007	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – H&L	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.16	0.16	0.16	0.16
2007	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	1.23	2.15	2.15	3.38	3.38
2007	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.33	0.16	0.16	0.49	0.49
2007	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.19	0.32	0.32	0.51	0.51
2007	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.52	7.72	7.72	10.24	10.24
2007	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.36	1.60	1.60	1.96	1.96
2007	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2007	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.20	0.12	0.12	0.32	0.32
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.69	0.01	0.01	3.70	3.70
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.52	0.52	0.52	0.52
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.71	0.00	0.00	0.71	0.71
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.02	0.02
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2007	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.33	0.00	0.00	0.33	0.33
2007	LE Sablefish – Pot	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2007	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.03	0.03	0.03	0.03
2007	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	428.37	150.78	30.16	579.15	458.53
2007	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.01	0.01	0.01	0.01	0.01
2007	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.56	1.56	1.56	1.56
2007	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.12	0.13	0.13	0.25	0.25
2007	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.02	0.02	0.02	0.02
2007	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.03	0.03	0.03	0.03
2007	LE Sablefish – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.06	0.06	0.06	0.06
2007	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	3.94	0.71	3.94	0.71
2007	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.11	0.11	0.11	0.11
2007	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.08	0.08	0.08	0.08
2007	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.03	0.03	0.03	0.03
2007	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.11	0.11	0.11	0.11
2007	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	2025.10	709.92	709.92	2735.03	2735.03
2007	LE Trawl	gf.	Big skate	Big skate	0.01	158.47	79.24	158.48	79.25
2007	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.26	0.00	0.00	0.26	0.26
2007	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.01	3.22	3.22	3.23	3.23
2007	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.32	3.45	3.45	4.77	4.77
2007	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.02	0.00	0.00	0.02	0.02
2007	LE Trawl	gf.	Canary rf.	Canary rf.	7.73	14.90	14.90	22.64	22.64
2007	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	39.31	71.95	71.95	111.26	111.26
2007	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.32	0.68	0.68	1.00	1.00
2007	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	123.26	96.66	96.66	219.93	219.93
2007	LE Trawl	gf.	Dover sole	Dover sole	8950.65	983.97	983.97	9934.62	9934.62
2007	LE Trawl	gf.	ECS	Aleutian skate	0.00	2.20	2.20	2.20	2.20
2007	LE Trawl	gf.	ECS	Black skate	0.00	29.82	29.82	29.82	29.82
2007	LE Trawl	gf.	ECS	CA grenadier	0.00	0.45	0.45	0.45	0.45
2007	LE Trawl	gf.	ECS	CA skate	0.00	7.90	7.90	7.90	7.90
2007	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	gf.	ECS	Giant grenadier	0.00	184.60	184.60	184.60	184.60
2007	LE Trawl	gf.	ECS	Grenadier, unid.	91.51	2.27	2.27	93.79	93.79
2007	LE Trawl	gf.	ECS	Pacific flatnose	0.00	16.28	16.28	16.28	16.28
2007	LE Trawl	gf.	ECS	Pacific grenadier	0.00	131.82	131.82	131.82	131.82
2007	LE Trawl	gf.	ECS	Popeye grenadier	0.00	0.10	0.10	0.10	0.10
2007	LE Trawl	gf.	ECS	Sandpaper skate	0.00	76.79	76.79	76.79	76.79
2007	LE Trawl	gf.	ECS	Shoulderspot grenadier	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	gf.	ECS	Soupfin shark	0.29	0.00	0.00	0.29	0.29
2007	LE Trawl	gf.	ECS	Spotted ratfish	0.07	218.06	218.06	218.13	218.13
2007	LE Trawl	gf.	ECS	White skate	0.00	0.05	0.05	0.05	0.05
2007	LE Trawl	gf.	English sole	English sole	621.03	211.27	211.27	832.30	832.30
2007	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	89.65	127.79	63.89	217.43	153.54

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	28.33	15.90	7.95	44.24	36.29
2007	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	549.82	274.91	549.82	274.91
2007	LE Trawl	gf.	LST (N of 34°27')	LST	789.48	203.35	203.35	992.83	992.83
2007	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.06	0.06	0.07	0.07
2007	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.15	0.04	0.04	0.19	0.19
2007	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.04	0.00	0.00	0.04	0.04
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.34	1.55	1.55	1.89	1.89
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.06	0.58	0.58	2.64	2.64
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.82	13.22	13.22	14.04	14.04
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.32	0.12	0.12	0.44	0.44
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.14	0.14	0.14	0.14
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.41	3.57	3.57	3.98	3.98
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.46	0.59	0.59	1.05	1.05
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.30	34.74	34.74	35.04	35.04
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.03	7.76	7.76	7.78	7.78
2007	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.08	0.08	0.08	0.08
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.86	0.00	0.00	0.86	0.86
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.66	0.14	0.14	0.81	0.81
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.17	6.56	6.56	6.73	6.73
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.10	0.10	0.10	0.10
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.02	0.00	0.00	0.02	0.02
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.06	0.06	0.06	0.06
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	4.03	0.00	0.00	4.03	4.03
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	3.64	3.64	3.64	3.64
2007	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.92	0.18	0.18	1.10	1.10
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	15.55	14.79	14.79	30.34	30.34
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.94	0.22	0.22	1.16	1.16
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	3.13	1.88	1.88	5.01	5.01
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.01	4.19	4.19	9.20	9.20
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	4.55	4.55	4.55	4.55
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	58.25	25.82	25.82	84.08	84.08
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.74	5.55	5.55	7.29	7.29
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	15.81	10.12	10.12	25.93	25.93

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	3.76	3.76	3.76	3.76
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.30	2.81	2.81	5.11	5.11
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	9.16	107.64	107.64	116.80	116.80
2007	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.46	6.65	6.65	9.12	9.12
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	21.53	7.84	7.84	29.36	29.36
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	28.30	0.01	0.01	28.30	28.30
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	25.54	0.18	0.18	25.72	25.72
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.16	0.16	0.16	0.16
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.22	0.16	0.16	1.38	1.38
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.14	0.14	0.14	0.14
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.74	0.00	0.00	0.74	0.74
2007	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	3.68	3.05	3.05	6.73	6.73
2007	LE Trawl	gf.	Mixed thornyheads	SST/LST	0.40	0.70	0.70	1.10	1.10
2007	LE Trawl	gf.	Other flatfish	Butter sole	0.05	0.74	0.74	0.79	0.79
2007	LE Trawl	gf.	Other flatfish	Curlfin sole	1.88	5.16	5.16	7.04	7.04
2007	LE Trawl	gf.	Other flatfish	Flatfish, unid.	0.20	17.96	17.96	18.15	18.15
2007	LE Trawl	gf.	Other flatfish	Flathead sole	2.21	2.57	2.57	4.78	4.78
2007	LE Trawl	gf.	Other flatfish	Pacific sanddab	281.10	301.53	301.53	582.63	582.63
2007	LE Trawl	gf.	Other flatfish	Rex sole	550.12	156.86	156.86	706.98	706.98
2007	LE Trawl	gf.	Other flatfish	Rock sole	5.15	1.93	1.93	7.08	7.08
2007	LE Trawl	gf.	Other flatfish	Sand sole	17.98	7.95	7.95	25.93	25.93
2007	LE Trawl	gf.	Other flatfish	Sanddab, unid.	12.43	1.12	1.12	13.55	13.55
2007	LE Trawl	gf.	Other gf.	Cabezon (WA)	0.00	0.08	0.08	0.08	0.08
2007	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.16	0.16	0.16	0.16
2007	LE Trawl	gf.	Other gf.	Leopard shark	0.47	0.00	0.00	0.47	0.47
2007	LE Trawl	gf.	Other rf.	Rockfish, unid.	0.06	0.00	0.00	0.06	0.06
2007	LE Trawl	gf.	Pacific cod	Pacific cod	43.18	12.53	12.53	55.72	55.72
2007	LE Trawl	gf.	Pacific hake	Pacific hake	2.33	1040.67	1040.67	1043.00	1043.00
2007	LE Trawl	gf.	POP (N of 40°10')	POP	102.44	19.01	19.01	121.45	121.45
2007	LE Trawl	gf.	Petrale sole	Petrale sole	2198.12	97.41	97.41	2295.53	2295.53
2007	LE Trawl	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2418.25	382.68	191.34	2800.93	2609.59
2007	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	6.82	0.00	0.00	6.82	6.82
2007	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.03	0.21	0.21	0.24	0.24
2007	LE Trawl	gf.	SST (N of 34°27')	SST	813.76	91.10	91.10	904.85	904.85
2007	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	56.75	530.28	530.28	587.03	587.03
2007	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	60.66	67.02	67.02	127.68	127.68
2007	LE Trawl	gf.	Starry flounder	Starry flounder	14.63	1.44	1.44	16.08	16.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	gf.	Widow rf.	Widow rf.	4.57	8.92	8.92	13.49	13.49
2007	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.05	0.00	0.00	0.05	0.05
2007	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	8.84	7.35	7.35	16.19	16.19
2007	LE Trawl	ngf.	CA halibut	CA halibut	23.67	0.00	0.00	23.67	23.67
2007	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.06	250.19	250.19	250.25	250.25
2007	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	0.13	27.25	27.25	27.38	27.38
2007	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.21	0.20	0.20	0.41	0.41
2007	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.09	34.51	34.51	34.60	34.60
2007	LE Trawl	ngf.	Other ngf.	American shad	0.01	2.79	2.79	2.80	2.80
2007	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	51.61	51.61	51.61	51.61
2007	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	1.52	1.52	1.52	1.52
2007	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Basketweave cusk-eel	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Bat ray	0.00	0.03	0.03	0.03	0.03
2007	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	3.44	3.44	3.44	3.44
2007	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.09	0.09	0.09	0.09
2007	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.07	0.07	0.07	0.07
2007	LE Trawl	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.15	0.15	0.15	0.15
2007	LE Trawl	ngf.	Other ngf.	Blue shark	0.00	0.05	0.05	0.05	0.05
2007	LE Trawl	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	4.49	4.49	4.49	4.49
2007	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	35.54	35.54	35.54	35.54
2007	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.17	0.17	0.17	0.17
2007	LE Trawl	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	22.02	22.02	22.02	22.02
2007	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	0.15	0.15	0.15	0.15
2007	LE Trawl	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2007	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	0.17	0.17	0.17	0.17
2007	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.07	0.07	0.07	0.07
2007	LE Trawl	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	37.88	37.88	37.88	37.88
2007	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	0.50	0.50	0.50	0.50
2007	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	2.64	2.64	2.64	2.64
2007	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.09	0.09	0.09	0.09
2007	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.03	0.03	0.03	0.03
2007	LE Trawl	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.06	0.06	0.06	0.06
2007	LE Trawl	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Hydrocoral	0.00	0.09	0.09	0.09	0.09
2007	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	49.33	49.33	49.33	49.33
2007	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	1.57	1.57	1.57	1.57
2007	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.35	0.35	0.35	0.35
2007	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.84	0.84	0.84	0.84
2007	LE Trawl	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.05	0.05	0.05	0.05
2007	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	0.41	0.41	0.41	0.41
2007	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.35	0.35	0.35	0.35
2007	LE Trawl	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE Trawl	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Market squid	0.62	0.00	0.00	0.62	0.62
2007	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.21	0.21	0.21	0.21
2007	LE Trawl	ngf.	Other ngf.	Mixed species	0.26	0.00	0.00	0.26	0.26
2007	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	1.41	1.41	1.41	1.41
2007	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.06	0.06	0.06	0.06
2007	LE Trawl	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.05	0.05	0.05	0.05
2007	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2007	LE Trawl	ngf.	Other ngf.	Octopus, unid.	2.88	7.80	7.80	10.68	10.68
2007	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	1.36	1.36	1.36	1.36
2007	LE Trawl	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.60	0.60	0.60	0.60
2007	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.08	0.08	0.08	0.08
2007	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.16	0.16	0.16	0.16
2007	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.04	0.04	0.04	0.04
2007	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	4.17	4.17	4.17	4.17
2007	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.28	0.28	0.28	0.28
2007	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.06	0.06	0.06	0.06
2007	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.15	0.15	0.15	0.15
2007	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.27	0.27	0.27	0.27
2007	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.36	0.36	0.36	0.36
2007	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.10	0.10	0.10	0.10
2007	LE Trawl	ngf.	Other ngf.	Prowfish	0.00	0.22	0.22	0.22	0.22
2007	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.67	0.67	0.67	0.67
2007	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.07	0.07	0.07	0.07
2007	LE Trawl	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Salmon shark	0.00	0.04	0.04	0.04	0.04
2007	LE Trawl	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.21	0.21	0.21	0.21
2007	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	1.82	1.82	1.82	1.82
2007	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	3.65	3.65	3.65	3.65
2007	LE Trawl	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	0.86	0.86	0.86	0.86
2007	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	39.59	39.59	39.59	39.59
2007	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.14	0.14	0.14	0.14
2007	LE Trawl	ngf.	Other ngf.	Shark, unid.	1.40	20.40	20.40	21.80	21.80
2007	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.08	0.08	0.08	0.08
2007	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.03	0.03	0.03	0.03
2007	LE Trawl	ngf.	Other ngf.	Skate, unid.	940.78	114.99	114.99	1055.77	1055.77
2007	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	0.39	0.39	0.39	0.39
2007	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	4.71	4.71	4.71	4.71
2007	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	LE Trawl	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	20.96	20.96	20.96	20.96
2007	LE Trawl	ngf.	Other ngf.	Squid, unid.	19.02	33.59	33.59	52.61	52.61
2007	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.85	0.85	0.85	0.85
2007	LE Trawl	ngf.	Other ngf.	Stony coral	0.00	0.13	0.13	0.13	0.13
2007	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.40	0.40	0.40	0.40
2007	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.13	0.13	0.13	0.13
2007	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	0.53	0.53	0.53	0.53
2007	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.15	0.15	0.15	0.15
2007	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	2.64	2.64	2.64	2.64
2007	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	1.56	1.56	1.56	1.56
2007	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Other ngf.	Warty poacher	0.00	0.05	0.05	0.05	0.05
2007	LE Trawl	ngf.	Other ngf.	White croaker	0.97	0.15	0.15	1.13	1.13
2007	LE Trawl	ngf.	Other ngf.	White sea bass	0.56	0.00	0.00	0.56	0.56
2007	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.13	0.01	0.01	0.15	0.15
2007	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.02	0.02	0.02	0.02
2007	LE Trawl	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2007	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.01	0.01	0.01	0.01
2007	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.19	0.19	0.19	0.19
2007	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	42.84	42.84	42.84	42.84
2007	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	471.51	471.51	471.51	471.51
2007	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	0.00	0.00	0.02	0.02
2007	Nearshore	gf.	Black rf. (CA)	Black rf.	83.44	2.50	1.41	85.94	84.85
2007	Nearshore	gf.	Black rf. (CA)	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Black rf. (OR)	Black rf.	100.64	4.30	1.01	104.94	101.65
2007	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.11	0.00	0.00	1.11	1.11
2007	Nearshore	gf.	Cabezon (CA)	Cabezon	25.36	11.26	0.79	36.62	26.15
2007	Nearshore	gf.	Cabezon (OR)	Cabezon	21.85	1.21	0.08	23.06	21.94
2007	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.86	0.04	0.00	1.90	1.87
2007	Nearshore	gf.	Canary rf.	Canary rf.	0.00	8.71	5.49	8.71	5.49
2007	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.11	0.00	0.00	0.11	0.11
2007	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.14	0.00	0.00	0.14	0.14
2007	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	ECS	Soupfin shark	0.09	0.00	0.00	0.09	0.09
2007	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.07	0.00	0.07	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	36.97	16.08	1.13	53.05	38.10
2007	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	16.09	21.31	1.49	37.40	17.58
2007	Nearshore	gf.	Longnose skate	Longnose skate	0.00	0.01	0.00	0.01	0.00
2007	Nearshore	gf.	LST (S of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	11.17	5.11	1.80	16.28	12.96
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.37	0.00	0.00	0.37	0.37
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	7.99	0.20	0.06	8.19	8.05
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	3.15	0.03	0.01	3.19	3.16
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.07	0.00	0.00	0.07	0.07
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.93	0.01	0.00	0.93	0.93
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.22	0.00	0.00	0.22	0.22
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.34	0.06	0.03	0.40	0.38
2007	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	6.53	0.09	0.04	6.62	6.57
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	10.35	0.46	0.25	10.81	10.60
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	6.16	8.48	5.46	14.65	11.62
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	21.39	2.81	2.24	24.20	23.63
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.02	0.01	0.02	0.01
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	2.20	1.03	0.66	3.23	2.86
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	2.55	1.35	1.13	3.90	3.68
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	19.37	6.60	4.25	25.97	23.63
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	18.60	0.26	0.16	18.86	18.75
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.46	0.08	0.04	0.54	0.50
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	1.94	0.00	0.00	1.94	1.94
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.30	0.52	0.39	1.83	1.69
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.84	0.04	0.03	0.88	0.87
2007	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.11	0.52	0.29	1.64	1.40
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.08	0.00	0.00	0.08	0.08
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.45	0.00	0.00	0.45	0.45
2007	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	6.35	0.08	0.02	6.43	6.38
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.02	0.06	0.06	0.08	0.08
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.27	0.00	0.00	0.27	0.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.24	0.00	0.00	0.24	0.24
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	9.82	0.14	0.10	9.96	9.92
2007	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.58	0.00	0.00	1.58	1.58
2007	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2007	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.07	0.00	0.00	0.07	0.07
2007	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.20	0.00	0.00	0.20	0.20
2007	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.14	0.00	0.00	0.14	0.14
2007	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.10	0.00	0.00	0.10	0.10
2007	Nearshore	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2007	Nearshore	gf.	Other flatfish	Rock sole	0.01	0.06	0.00	0.07	0.02
2007	Nearshore	gf.	Other flatfish	Sand sole	0.01	0.23	0.02	0.24	0.03
2007	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.05	0.00	0.00	0.05	0.05
2007	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.49	2.58	0.18	4.07	1.67
2007	Nearshore	gf.	Other gf.	Kelp greenling (OR)	18.34	1.16	0.08	19.50	18.42
2007	Nearshore	gf.	Other gf.	Leopard shark	0.96	1.21	0.08	2.16	1.04
2007	Nearshore	gf.	Other rf.	Rockfish, unid.	1.02	0.00	0.00	1.02	1.02
2007	Nearshore	gf.	Pacific hake	Pacific hake	0.01	0.00	0.00	0.01	0.01
2007	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.05	0.00	0.05	0.00
2007	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	2.63	0.00	0.00	2.63	2.63
2007	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	2.80	0.00	0.00	2.80	2.80
2007	Nearshore	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2007	Nearshore	gf.	SST (S of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2007	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.00	4.34	0.30	4.34	0.30
2007	Nearshore	gf.	Starry flounder	Starry flounder	0.13	0.00	0.00	0.13	0.13
2007	Nearshore	gf.	Widow rf.	Widow rf.	0.49	0.19	0.09	0.68	0.58
2007	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	3.35	1.73	3.35	1.73
2007	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.75	0.29	0.07	2.04	1.82
2007	Nearshore	ngf.	CA halibut	CA halibut	1.29	0.00	0.00	1.29	1.29
2007	Nearshore	ngf.	Dungeness crab	Dungeness crab	15.42	0.22	0.22	15.64	15.64
2007	Nearshore	ngf.	Non-FMP flatfish	Slender sole	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.09	0.09	0.09	0.09
2007	Nearshore	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	1.77	1.77	1.77	1.77
2007	Nearshore	ngf.	Other ngf.	Bat ray	0.00	2.01	2.01	2.01	2.01
2007	Nearshore	ngf.	Other ngf.	Bigeye thresher shark	0.03	0.00	0.00	0.03	0.03
2007	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2007	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	5.23	5.23	5.23	5.23
2007	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.47	0.00	0.00	0.47	0.47
2007	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.04	0.04	0.04	0.04
2007	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Bull sculpin	0.00	0.03	0.03	0.03	0.03
2007	Nearshore	ngf.	Other ngf.	CA barracuda	0.30	0.00	0.00	0.30	0.30
2007	Nearshore	ngf.	Other ngf.	CA sheephead	29.63	24.50	24.50	54.12	54.12
2007	Nearshore	ngf.	Other ngf.	CA spiny lobster	2.88	0.00	0.00	2.88	2.88
2007	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Crab, unid.	1.29	0.10	0.10	1.39	1.39
2007	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.08	0.00	0.00	0.08	0.08
2007	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.23	0.23	0.23	0.23
2007	Nearshore	ngf.	Other ngf.	Eel, unid.	0.02	0.00	0.00	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Finescale triggerfish	0.00	0.07	0.07	0.07	0.07
2007	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.59	0.59	0.59	0.59
2007	Nearshore	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	3.66	3.66	3.66	3.66
2007	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	13.88	13.88	13.88	13.88
2007	Nearshore	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.01	0.01	0.01	0.01
2007	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.22	0.01	0.01	0.23	0.23
2007	Nearshore	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Masking crab	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Mixed species	0.77	0.00	0.00	0.77	0.77
2007	Nearshore	ngf.	Other ngf.	Mollusc, unid.	2.44	0.02	0.02	2.45	2.45
2007	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.39	0.39	0.39	0.39
2007	Nearshore	ngf.	Other ngf.	Octopus, unid.	1.05	0.00	0.00	1.05	1.05
2007	Nearshore	ngf.	Other ngf.	Pacific angel shark	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Nearshore	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	PHLB	0.00	0.09	0.09	0.09	0.09
2007	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.09	0.20	0.20	0.29	0.29
2007	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	2.75	2.75	2.75	2.75
2007	Nearshore	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2007	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.11	0.11	0.11	0.11
2007	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.09	0.09	0.09	0.09
2007	Nearshore	ngf.	Other ngf.	Red rock crab	8.67	0.39	0.39	9.06	9.06
2007	Nearshore	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.15	0.15	0.15	0.15
2007	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.01	0.12	0.12	0.13	0.13
2007	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.24	0.24	0.24	0.24
2007	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	19.00	19.00	19.00	19.00
2007	Nearshore	ngf.	Other ngf.	Shark, unid.	0.16	0.00	0.00	0.16	0.16
2007	Nearshore	ngf.	Other ngf.	Skate, unid.	0.14	0.00	0.00	0.14	0.14
2007	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2007	Nearshore	ngf.	Other ngf.	Spot prawn	3.59	0.00	0.00	3.59	3.59
2007	Nearshore	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.02	0.02	0.02	0.02
2007	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.08	0.02	0.02	0.10	0.10
2007	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.47	0.47	0.47	0.47
2007	Nearshore	ngf.	Other ngf.	Thornback	0.00	0.09	0.09	0.09	0.09
2007	Nearshore	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Other ngf.	White croaker	0.01	0.02	0.02	0.04	0.04
2007	Nearshore	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2007	Nearshore	ngf.	Other ngf.	Wolf-eel	0.02	0.27	0.27	0.29	0.29
2007	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.20	0.00	0.00	0.20	0.20
2007	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2007	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.04	0.00	0.00	0.04	0.04
2007	OA CA Halibut	gf.	Big skate	Big skate	0.01	1.31	0.65	1.31	0.66
2007	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.09	0.50	0.50	0.59	0.59
2007	OA CA Halibut	gf.	Dover sole	Dover sole	0.10	0.00	0.00	0.10	0.10
2007	OA CA Halibut	gf.	ECS	CA skate	0.00	3.82	3.82	3.82	3.82
2007	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.69	0.69	0.69	0.69

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA CA Halibut	gf.	English sole	English sole	0.42	0.24	0.24	0.66	0.66
2007	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.00	0.00	0.02	0.02
2007	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.20	0.01	0.01	0.21	0.21
2007	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.18	0.04	0.04	0.22	0.22
2007	OA CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	gf.	Other flatfish	Rock sole	0.06	0.00	0.00	0.06	0.06
2007	OA CA Halibut	gf.	Other flatfish	Sand sole	0.59	0.01	0.01	0.60	0.60
2007	OA CA Halibut	gf.	Other gf.	Leopard shark	0.03	0.20	0.20	0.23	0.23
2007	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.09	0.00	0.00	0.09	0.09
2007	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.86	0.86	0.86	0.86
2007	OA CA Halibut	gf.	Starry flounder	Starry flounder	1.96	0.03	0.03	1.99	1.99
2007	OA CA Halibut	ngf.	CA halibut	CA halibut	39.17	21.87	21.87	61.04	61.04
2007	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	2.57	2.57	2.57	2.57
2007	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.03	0.03	0.03	0.03
2007	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.10	1.16	1.16	1.25	1.25
2007	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.55	0.55	0.55	0.55
2007	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.89	0.89	0.89	0.89
2007	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	4.16	4.16	4.16	4.16
2007	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.03	32.33	32.33	32.37	32.37
2007	OA CA Halibut	ngf.	Other ngf.	Black croaker	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	6.99	6.99	6.99	6.99
2007	OA CA Halibut	ngf.	Other ngf.	CA barracuda	0.01	0.00	0.00	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	CA sheephead	0.06	0.00	0.00	0.06	0.06
2007	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.03	0.03	0.03	0.03
2007	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.02	0.00	0.00	0.02	0.02
2007	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.06	0.04	0.04	0.10	0.10
2007	OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.04	0.04	0.04	0.04
2007	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.02	0.02	0.02	0.02
2007	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.18	0.18	0.18	0.18
2007	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.04	0.04	0.04	0.04
2007	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.14	0.14	0.14	0.14
2007	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.38	0.38	0.38	0.38

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.07	0.00	0.00	0.07	0.07
2007	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.60	5.88	5.88	6.48	6.48
2007	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	17.12	17.12	17.12	17.12
2007	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.05	0.05	0.05	0.05
2007	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.14	0.14	0.14	0.14
2007	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.12	0.12	0.12	0.12
2007	OA CA Halibut	ngf.	Other ngf.	Queenfish	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.54	0.18	0.18	0.71	0.71
2007	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2007	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	1.40	1.86	1.86	3.25	3.25
2007	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2007	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	1.88	1.88	1.88	1.88
2007	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.17	0.03	0.03	0.20	0.20
2007	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	4.47	4.47	4.47	4.47
2007	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	7.42	7.42	7.42	7.42
2007	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.60	0.60	0.60	0.60
2007	OA CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.41	0.41	0.41	0.41
2007	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.84	0.00	0.00	0.84	0.84
2007	OA CA Halibut	ngf.	Other ngf.	Smoothhound shark, unid.	0.00	0.79	0.79	0.79	0.79
2007	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.26	0.26	0.26	0.26
2007	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	1.21	1.21	1.21	1.21
2007	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	1.41	1.41	1.41	1.41
2007	OA CA Halibut	ngf.	Other ngf.	White croaker	0.49	0.23	0.23	0.72	0.72
2007	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.14	0.00	0.00	0.14	0.14
2007	OA CA Halibut	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	2.13	2.13	2.13	2.13
2007	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.47	4.91	4.91	5.38	5.38
2007	OA FG – H&L	gf.	Big skate	Big skate	0.00	0.39	0.39	0.39	0.39
2007	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.05	0.00	0.00	0.05	0.05
2007	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.16	0.00	0.00	0.16	0.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.00	0.00	0.00	2.00	2.00
2007	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.60	0.04	0.04	0.64	0.64
2007	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.64	2.03	2.03	3.67	3.67
2007	OA FG – H&L	gf.	Dover sole	Dover sole	0.14	0.24	0.24	0.38	0.38
2007	OA FG – H&L	gf.	ECS	Aleutian skate	0.00	0.03	0.03	0.03	0.03
2007	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.17	0.17	0.17	0.17
2007	OA FG – H&L	gf.	ECS	Grenadier, unid.	10.66	0.00	0.00	10.66	10.66
2007	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.10	0.10	0.10	0.10
2007	OA FG – H&L	gf.	ECS	Soupfin shark	0.34	0.00	0.00	0.34	0.34
2007	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.22	0.22	0.22	0.22
2007	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	18.92	0.36	0.03	19.28	18.94
2007	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	2.28	0.00	0.00	2.28	2.28
2007	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	10.90	5.45	10.90	5.45
2007	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.13	0.00	0.00	0.13	0.13
2007	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.06	0.00	0.00	0.06	0.06
2007	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.06	0.00	0.00	0.06	0.06
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.08	0.00	0.00	0.08	0.08
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.19	0.00	0.00	0.19	0.19
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.25	0.00	0.00	0.25	0.25
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.24	0.00	0.00	0.24	0.24
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.02	0.02	0.02	0.02
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.11	0.00	0.00	0.11	0.11
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.15	0.00	0.00	0.15	0.15
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.04	0.00	0.00	0.04	0.04
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.14	0.00	0.00	0.14	0.14
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.46	0.00	0.00	0.46	0.46
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.68	0.00	0.00	0.68	0.68
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.15	0.00	0.00	0.15	0.15
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.14	0.00	0.00	0.14	0.14
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.35	0.00	0.00	0.35	0.35
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.45	0.00	0.00	0.45	0.45
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	4.65	0.00	0.00	4.65	4.65
2007	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.40	0.00	0.00	1.40	1.40
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.07	0.07	0.07	0.07
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.34	0.00	0.00	0.34	0.34
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.58	0.15	0.15	0.74	0.74
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.88	0.24	0.24	1.12	1.12
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.11	0.11	0.11	0.11
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.80	0.00	0.00	0.80	0.80
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.11	0.00	0.00	0.11	0.11
2007	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.02	0.02	0.02	0.02
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.02	0.00	0.00	1.02	1.02
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	6.27	0.07	0.07	6.34	6.34
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.26	0.26	0.26	0.26
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.33	0.00	0.00	0.33	0.33
2007	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.53	0.00	0.00	0.53	0.53
2007	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.03	0.00	0.00	0.03	0.03
2007	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	2.13	0.00	0.00	2.13	2.13
2007	OA FG – H&L	gf.	Other gf.	Leopard shark	1.78	0.00	0.00	1.78	1.78
2007	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.55	0.00	0.00	1.55	1.55
2007	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2007	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.03	0.03	0.03	0.03
2007	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.06	0.04	0.04	0.09	0.09
2007	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	188.04	100.56	20.11	288.60	208.16
2007	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	7.77	0.00	0.00	7.77	7.77
2007	OA FG – H&L	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.31	0.71	0.71	1.02	1.02
2007	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.32	0.00	0.00	0.32	0.32
2007	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	1.76	57.66	28.83	59.42	30.59
2007	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.11	0.00	0.00	0.11	0.11
2007	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	gf.	Widow rf.	Widow rf.	1.07	0.30	0.30	1.37	1.37
2007	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.18	0.00	0.00	0.18	0.18
2007	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.25	0.09	0.09	0.34	0.34
2007	OA FG – H&L	ngf.	CA halibut	CA halibut	0.37	0.00	0.00	0.37	0.37
2007	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.16	0.00	0.00	0.16	0.16
2007	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2007	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.07	2.69	2.69	2.76	2.76
2007	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.12	0.00	0.00	0.12	0.12
2007	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.04	0.04	0.04	0.04
2007	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.02	0.00	0.00	0.02	0.02
2007	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.04	0.04	0.04	0.04
2007	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2007	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.12	0.00	0.00	0.12	0.12
2007	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	20.78	3.32	20.78	3.32
2007	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.03	0.00	0.00	0.03	0.03
2007	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.35	0.35	0.35	0.35
2007	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.29	0.29	0.29	0.29
2007	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	3.21	0.11	0.11	3.32	3.32
2007	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	1.66	0.00	0.00	1.66	1.66
2007	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.02	0.00	0.00	0.02	0.02
2007	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.09	0.00	0.00	0.09	0.09
2007	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.03	0.10	0.10	0.13	0.13
2007	OA FG – Pot	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.16	0.00	0.00	1.16	1.16
2007	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.11	0.43	0.43	0.53	0.53
2007	OA FG – Pot	gf.	Dover sole	Dover sole	1.07	0.62	0.62	1.69	1.69
2007	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.03	1.01	1.01	1.03	1.03
2007	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.53	0.20	0.20	0.73	0.73
2007	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.08	0.08	0.08	0.08
2007	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2007	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2007	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.18	0.07	0.07	1.25	1.25
2007	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.07	0.07	0.07	0.07
2007	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.16	0.00	0.00	0.16	0.16
2007	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2007	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – Pot	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.04	0.04	0.04	0.04
2007	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	141.63	35.70	7.14	177.33	148.77
2007	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	111.77	34.63	6.93	146.40	118.70
2007	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.44	0.44	0.44	0.44
2007	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.02	0.02
2007	OA FG – Pot	gf.	Starry flounder	Starry flounder	0.04	0.00	0.00	0.04	0.04
2007	OA FG – Pot	ngf.	CA halibut	CA halibut	0.03	0.00	0.00	0.03	0.03
2007	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	1.84	0.00	0.00	1.84	1.84
2007	OA FG – Pot	ngf.	Other ngf.	Black hagfish	0.00	0.04	0.04	0.04	0.04
2007	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.04	0.00	0.00	0.04	0.04
2007	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.20	0.00	0.00	0.20	0.20
2007	OA FG – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.21	0.21	0.21	0.21
2007	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	1.32	0.00	0.00	1.32	1.32
2007	OA FG – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.01	0.15	0.15	0.16	0.16
2007	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2007	OA FG – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2007	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.89	0.16	0.89	0.16
2007	OA FG – Pot	ngf.	Other ngf.	Red rock crab	3.58	0.00	0.00	3.58	3.58
2007	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	1.12	1.12	1.12	1.12
2007	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.12	0.12	0.12	0.12
2007	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.08	0.08	0.08	0.08
2007	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2007	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.03	0.00	0.00	0.03	0.03
2007	OA FG – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2007	OA FG – Pot	ngf.	Other ngf.	Spot prawn	4.18	0.00	0.00	4.18	4.18
2007	OA FG – Pot	ngf.	Other ngf.	Squid, unid.	0.42	0.00	0.00	0.42	0.42
2007	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2007	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.45	0.45	0.45	0.45
2007	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	1.00	0.00	0.00	1.00	1.00
2007	PHLB Derby	gf.	Black rf. (OR)	Black rf.	0.05	0.00	0.00	0.05	0.05
2007	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.00	0.00	0.04	0.04
2007	PHLB Derby	gf.	Dover sole	Dover sole	0.07	0.00	0.00	0.07	0.07
2007	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	2.87	0.00	0.00	2.87	2.87
2007	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.28	0.00	0.00	0.28	0.28
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.05	0.00	0.00	0.05	0.05
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2007	PHLB Derby	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2007	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	47.76	0.00	0.00	47.76	47.76
2007	PHLB Derby	gf.	SST (N of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2007	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2007	PHLB Derby	ngf.	Other ngf.	Albacore tuna	0.89	0.00	0.00	0.89	0.89
2007	PHLB Derby	ngf.	Other ngf.	Blue shark	0.09	0.00	0.00	0.09	0.09
2007	PHLB Derby	ngf.	Other ngf.	Shark, unid.	0.30	0.00	0.00	0.30	0.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	PHLB Derby	ngf.	Other ngf.	Skate, unid.	5.30	0.00	0.00	5.30	5.30
2007	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	11.12	11.12	11.12	11.12
2007	Pink Shrimp	gf.	Big skate	Big skate	0.00	1.12	1.12	1.12	1.12
2007	Pink Shrimp	gf.	Cabezon (OR)	Cabezon	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.42	0.42	0.42	0.42
2007	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	18.41	18.41	18.41	18.41
2007	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	31.89	31.89	31.89	31.89
2007	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	1.27	1.27	1.27	1.27
2007	Pink Shrimp	gf.	English sole	English sole	0.00	0.51	0.51	0.51	0.51
2007	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.01	1.21	1.21	1.22	1.22
2007	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	1.31	1.31	1.31	1.31
2007	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.04	0.04	0.04	0.04
2007	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.23	0.23	0.23	0.23
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	2.77	2.77	2.77	2.77
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.04	0.04	0.04	0.04
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	19.06	19.06	19.06	19.06
2007	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	3.46	3.46	3.46	3.46
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	2.42	2.42	2.42	2.42
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.11	0.11	0.11	0.11
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.11	0.11	0.11	0.11
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	1.29	1.29	1.29	1.29
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	14.06	14.06	14.06	14.06
2007	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	0.24	0.24	0.24	0.24
2007	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	1.47	1.47	1.47	1.47
2007	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	9.14	9.14	9.14	9.14
2007	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	91.79	91.79	91.79	91.79
2007	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.00	0.38	0.38	0.38	0.38
2007	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	2807.75	2807.75	2807.75	2807.75
2007	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.15	0.15	0.15	0.15
2007	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	2.26	2.26	2.26	2.26
2007	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.01	0.26	0.26	0.26	0.26

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.06	0.06	0.06	0.06
2007	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.48	0.48	0.48	0.48
2007	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.74	0.74	0.74	0.74
2007	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.04	0.04	0.04	0.04
2007	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.07	0.07	0.07	0.07
2007	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.39	0.39	0.39	0.39
2007	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	221.75	221.75	221.75	221.75
2007	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.06	0.06	0.06	0.06
2007	Pink Shrimp	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.60	0.60	0.60	0.60
2007	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	1.33	1.33	1.33	1.33
2007	Pink Shrimp	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	1.98	1.98	1.98	1.98
2007	Pink Shrimp	ngf.	Other ngf.	Black hagfish	0.00	0.13	0.13	0.13	0.13
2007	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Crustacean, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	6.88	6.88	6.88	6.88
2007	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	30.19	30.19	30.19	30.19
2007	Pink Shrimp	ngf.	Other ngf.	Giant wrymouth	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	3.04	3.04	3.04	3.04
2007	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.73	0.73	0.73	0.73
2007	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	1.51	1.51	1.51	1.51
2007	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.44	0.44	0.44	0.44
2007	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.06	0.06	0.06	0.06
2007	Pink Shrimp	ngf.	Other ngf.	Longspine combfish	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.30	0.30	0.30	0.30
2007	Pink Shrimp	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.31	0.31	0.31	0.31
2007	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.68	0.68	0.68	0.68
2007	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	3.50	3.50	3.50	3.50
2007	Pink Shrimp	ngf.	Other ngf.	PHLB	0.00	0.21	0.21	0.21	0.21
2007	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	0.80	0.80	0.80	0.80

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.08	0.08	0.08	0.08
2007	Pink Shrimp	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	4.22	4.22	4.22	4.22
2007	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.04	0.04	0.04	0.04
2007	Pink Shrimp	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.49	0.49	0.49	0.49
2007	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	2.14	2.14	2.14	2.14
2007	Pink Shrimp	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	1.19	1.19	1.19	1.19
2007	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.06	0.06	0.06	0.06
2007	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.03	0.03	0.03	0.03
2007	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.03	0.03	0.03	0.03
2007	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.09	0.09	0.09	0.09
2007	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	5.47	5.47	5.47	5.47
2007	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.07	0.07	0.07	0.07
2007	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.16	0.16	0.16	0.16
2007	Pink Shrimp	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	3.09	3.09	3.09	3.09
2007	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.14	0.14	0.14	0.14
2007	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.01	0.01	0.01	0.01
2007	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.05	0.05	0.05	0.05
2007	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	10934.90	0.00	0.00	10934.90	10934.90
2007	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	355.08	355.08	355.08	355.08
2007	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Shared ECS	Capelin	0.00	0.02	0.02	0.02	0.02
2007	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.86	0.86	0.86	0.86
2007	Pink Shrimp	ngf.	Shared ECS	Night smelt	0.00	3.22	3.22	3.22	3.22

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2007	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	6.37	6.37	6.37	6.37
2007	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	6.67	6.67
2007	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	1.78	1.78
2007	Research	gf.	Black rf.	Black rf.	0.00	0.00	0.00	0.09	0.09
2007	Research	gf.	Blue/deacon rf.	Blue/deacon rf.	0.00	0.00	0.00	0.20	0.20
2007	Research	gf.	Bocaccio rf.	Bocaccio rf.	0.00	0.00	0.00	1.13	1.13
2007	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	2.50	2.50
2007	Research	gf.	Chilipepper rf.	Chilipepper rf.	0.00	0.00	0.00	8.06	8.06
2007	Research	gf.	Cowcod (N of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Cowcod (S of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.12	0.12
2007	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.99	0.99
2007	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	37.59	37.59
2007	Research	gf.	English sole	English sole	0.00	0.00	0.00	4.62	4.62
2007	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	17.59	17.59
2007	Research	gf.	Lingcod	Lingcod	0.00	0.00	0.00	3.98	3.98
2007	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	4.15	4.15
2007	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	11.32	11.32
2007	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.80	0.80
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.02	0.02
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.35	0.35
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.05	0.05
2007	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.04	0.04
2007	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.08	0.08
2007	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.39	0.39
2007	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.11	0.11
2007	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.04	0.04
2007	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.21	0.21
2007	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.01	0.01
2007	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	11.52	11.52
2007	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	1.49	1.49
2007	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.02	0.02
2007	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	9.22	9.22
2007	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.08	0.08
2007	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	48.74	48.74

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Research	gf.	POP	POP	0.00	0.00	0.00	0.60	0.60
2007	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	4.60	4.60
2007	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	16.41	16.41
2007	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	2.40	2.40
2007	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.33	0.33
2007	Research	gf.	SST	SST	0.00	0.00	0.00	4.83	4.83
2007	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	13.33	13.33
2007	Research	gf.	Splitnose rf.	Splitnose rf.	0.00	0.00	0.00	7.78	7.78
2007	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2007	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.49	0.49
2007	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	1.84	1.84
2007	Research	gf.	Yellowtail rf.	Yellowtail rf.	0.00	0.00	0.00	4.31	4.31
2007	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2007	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	19.09	19.09
2007	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.59	0.59
2007	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	4.61	4.61
2007	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	1.36	1.36
2007	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	18.58	18.58
2007	Research	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2007	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2007	Research	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2007	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.14	0.00	0.00	0.14	0.14
2007	RBPT	gf.	Dover sole	Dover sole	0.30	0.00	0.00	0.30	0.30
2007	RBPT	gf.	English sole	English sole	0.75	0.00	0.00	0.75	0.75
2007	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2007	RBPT	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2007	RBPT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2007	RBPT	gf.	Other flatfish	Flatfish, unid.	16.05	0.00	0.00	16.05	16.05
2007	RBPT	gf.	Other flatfish	Sanddab, unid.	0.45	0.00	0.00	0.45	0.45
2007	RBPT	gf.	Pacific hake	Pacific hake	0.05	0.00	0.00	0.05	0.05
2007	RBPT	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2007	RBPT	gf.	Sablefish (S of 36°)	Sablefish	0.01	0.00	0.00	0.01	0.01
2007	RBPT	ngf.	CA halibut	CA halibut	0.14	0.00	0.00	0.14	0.14
2007	RBPT	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2007	RBPT	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2007	RBPT	ngf.	Other ngf.	Eel, unid.	0.03	0.00	0.00	0.03	0.03
2007	RBPT	ngf.	Other ngf.	Jack mackerel	0.21	0.00	0.00	0.21	0.21
2007	RBPT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2007	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	RBPT	ngf.	Other ngf.	Market squid	0.45	0.00	0.00	0.45	0.45
2007	RBPT	ngf.	Other ngf.	Mixed species	2.72	0.00	0.00	2.72	2.72
2007	RBPT	ngf.	Other ngf.	Octopus, unid.	0.14	0.00	0.00	0.14	0.14
2007	RBPT	ngf.	Other ngf.	Pacific angel shark	0.07	0.00	0.00	0.07	0.07
2007	RBPT	ngf.	Other ngf.	Pacific mackerel	0.25	0.00	0.00	0.25	0.25
2007	RBPT	ngf.	Other ngf.	Pink shrimp	0.01	0.00	0.00	0.01	0.01
2007	RBPT	ngf.	Other ngf.	Red rock crab	0.45	0.00	0.00	0.45	0.45
2007	RBPT	ngf.	Other ngf.	Ridgeback prawn	121.82	0.00	0.00	121.82	121.82
2007	RBPT	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2007	RBPT	ngf.	Other ngf.	Skate, unid.	0.28	0.00	0.00	0.28	0.28
2007	RBPT	ngf.	Other ngf.	Spot prawn	0.05	0.00	0.00	0.05	0.05
2007	RBPT	ngf.	Other ngf.	White croaker	10.91	0.00	0.00	10.91	10.91
2007	SCT	ngf.	CA halibut	CA halibut	0.11	0.00	0.00	0.11	0.11
2007	SCT	ngf.	Other ngf.	Sea cucumber, unid.	51.45	0.00	0.00	51.45	51.45
2007	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	2.85	0.00	0.00	2.85	2.85
2007	Shoreside Hake	gf.	Black rf. (OR)	Black rf.	0.04	0.00	0.00	0.04	0.04
2007	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.90	0.00	0.00	0.90	0.90
2007	Shoreside Hake	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2007	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.02	0.00	0.00	2.02	2.02
2007	Shoreside Hake	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.17	0.00	0.00	0.17	0.17
2007	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.93	0.00	0.00	0.93	0.93
2007	Shoreside Hake	gf.	Dover sole	Dover sole	0.17	0.00	0.00	0.17	0.17
2007	Shoreside Hake	gf.	ECS	Soupfin shark	0.14	0.00	0.00	0.14	0.14
2007	Shoreside Hake	gf.	ECS	Spotted ratfish	0.01	0.00	0.00	0.01	0.01
2007	Shoreside Hake	gf.	English sole	English sole	0.06	0.00	0.00	0.06	0.06
2007	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.10	0.00	0.00	0.10	0.10
2007	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	5.01	0.00	0.00	5.01	5.01
2007	Shoreside Hake	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.12	0.00	0.00	0.12	0.12
2007	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	5.60	0.00	0.00	5.60	5.60
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.46	0.00	0.00	0.46	0.46
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.24	0.00	0.00	0.24	0.24
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.38	0.00	0.00	0.38	0.38
2007	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.29	0.00	0.00	0.29	0.29
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.00	0.00	0.06	0.06
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.92	0.00	0.00	1.92	1.92
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.24	0.00	0.00	1.24	1.24
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.26	0.00	0.00	0.26	0.26
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	14.61	0.00	0.00	14.61	14.61
2007	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.22	0.00	0.00	0.22	0.22
2007	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.70	0.00	0.00	0.70	0.70
2007	Shoreside Hake	gf.	Other flatfish	Rex sole	0.24	0.00	0.00	0.24	0.24
2007	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.03	0.00	0.00	0.03	0.03
2007	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2007	Shoreside Hake	gf.	Pacific hake	Pacific hake	73281.03	0.00	0.00	73281.03	73281.03
2007	Shoreside Hake	gf.	POP (N of 40°10')	POP	23.28	0.00	0.00	23.28	23.28
2007	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2007	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	9.04	0.00	0.00	9.04	9.04
2007	Shoreside Hake	gf.	Sablefish (S of 36°)	Sablefish	0.03	0.00	0.00	0.03	0.03
2007	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.23	0.00	0.00	0.23	0.23
2007	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	51.38	0.00	0.00	51.38	51.38
2007	Shoreside Hake	gf.	Widow rf.	Widow rf.	81.96	0.00	0.00	81.96	81.96
2007	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.04	0.00	0.00	0.04	0.04
2007	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	186.43	0.00	0.00	186.43	186.43
2007	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.15	0.00	0.00	0.15	0.15
2007	Shoreside Hake	ngf.	Other ngf.	Albacore tuna	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	ngf.	Other ngf.	American shad	14.42	0.00	0.00	14.42	14.42
2007	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.27	0.00	0.00	0.27	0.27
2007	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.33	0.00	0.00	0.33	0.33
2007	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.36	0.00	0.00	0.36	0.36
2007	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	6.86	0.00	0.00	6.86	6.86
2007	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.16	0.00	0.00	0.16	0.16
2007	Shoreside Hake	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2007	Shoreside Hake	ngf.	Other ngf.	Mixed species	0.52	0.00	0.00	0.52	0.52
2007	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.08	0.00	0.00	0.08	0.08
2007	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.03	0.00	0.00	0.03	0.03
2007	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	4.23	0.00	0.00	4.23	4.23
2007	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	1.71	0.00	0.00	1.71	1.71
2007	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	1.20	0.00	0.00	1.20	1.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.82	0.00	0.00	0.82	0.82
2007	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	166.19	0.00	0.00	166.19	166.19
2007	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2007	Shoreside Hake	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.48	0.48	0.48	0.48
2007	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.04	0.04	0.04	0.04
2007	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.03	0.00	0.00	0.03	0.03
2007	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.87	0.15	0.15	1.02	1.02
2007	Tribal A-S Hake	gf.	Longnose skate	Longnose skate	0.00	0.20	0.20	0.20	0.20
2007	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.68	0.15	0.15	0.84	0.84
2007	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2007	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.06	0.00	0.00	0.06	0.06
2007	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2007	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	Other flatfish	Rex sole	0.00	0.01	0.01	0.01	0.01
2007	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	5129.36	64.57	64.57	5193.93	5193.93
2007	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.38	0.00	0.00	0.38	0.38
2007	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.00	68.89	68.89	68.89	68.89
2007	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	0.07	0.00	0.00	0.07	0.07
2007	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	10.34	0.02	0.02	10.35	10.35
2007	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.02	8.97	8.97	8.99	8.99
2007	Tribal A-S Hake	ngf.	Other ngf.	Humboldt (jumbo) squid	0.05	15.92	15.92	15.96	15.96
2007	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	0.05	0.05	0.05	0.05
2007	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2007	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.14	0.14	0.14	0.14
2007	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.05	0.05	0.05	0.05
2007	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2007	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2007	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.01	0.01	0.01	0.01
2007	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	225.18	0.00	0.00	225.18	225.18
2007	Tribal Shoreside	gf.	Canary rf.	Canary rf.	1.79	0.00	0.00	1.79	1.79
2007	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.28	0.00	0.00	0.28	0.28
2007	Tribal Shoreside	gf.	Dover sole	Dover sole	303.35	0.00	0.00	303.35	303.35

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Tribal Shoreside	gf.	English sole	English sole	65.91	0.00	0.00	65.91	65.91
2007	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	47.71	0.00	0.00	47.71	47.71
2007	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2007	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.14	0.00	0.00	0.14	0.14
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	1.52	0.00	0.00	1.52	1.52
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.50	0.00	0.00	0.50	0.50
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.38	0.00	0.00	0.38	0.38
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.57	0.00	0.00	0.57	0.57
2007	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.06	0.00	0.00	0.06	0.06
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	6.58	0.00	0.00	6.58	6.58
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	21.89	0.00	0.00	21.89	21.89
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.00	0.00	0.00	1.00	1.00
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.70	0.00	0.00	0.70	0.70
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.67	0.00	0.00	0.67	0.67
2007	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2007	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	8.74	0.00	0.00	8.74	8.74
2007	Tribal Shoreside	gf.	Other flatfish	Rex sole	22.32	0.00	0.00	22.32	22.32
2007	Tribal Shoreside	gf.	Other flatfish	Rock sole	3.24	0.00	0.00	3.24	3.24
2007	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.18	0.00	0.00	0.18	0.18
2007	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	13.89	0.00	0.00	13.89	13.89
2007	Tribal Shoreside	gf.	Pacific cod	Pacific cod	45.34	0.00	0.00	45.34	45.34
2007	Tribal Shoreside	gf.	Pacific hake	Pacific hake	18158.11	0.00	0.00	18158.11	18158.11
2007	Tribal Shoreside	gf.	POP (N of 40°10')	POP	2.63	0.00	0.00	2.63	2.63
2007	Tribal Shoreside	gf.	Petrale sole	Petrale sole	44.91	0.00	0.00	44.91	44.91
2007	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	516.33	0.00	0.00	516.33	516.33
2007	Tribal Shoreside	gf.	Shortbelly rf.	Shortbelly rf.	0.03	0.00	0.00	0.03	0.03
2007	Tribal Shoreside	gf.	SST (N of 34°27')	SST	38.49	0.00	0.00	38.49	38.49
2007	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	119.20	0.00	0.00	119.20	119.20
2007	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.50	0.00	0.00	0.50	0.50
2007	Tribal Shoreside	gf.	Widow rf.	Widow rf.	1.26	0.00	0.00	1.26	1.26
2007	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.44	0.00	0.00	0.44	0.44
2007	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	76.12	0.00	0.00	76.12	76.12
2007	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1621.14	0.00	0.00	1621.14	1621.14
2007	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	33.10	0.00	0.00	33.10	33.10
2007	Tribal Shoreside	ngf.	Other ngf.	American shad	4.89	0.00	0.00	4.89	4.89

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2007	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	0.63	0.00	0.00	0.63	0.63
2007	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.15	0.00	0.00	0.15	0.15
2007	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.60	0.00	0.00	0.60	0.60
2007	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.18	0.00	0.00	0.18	0.18
2007	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	56.12	0.00	0.00	56.12	56.12
2007	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	5.26	0.00	0.00	5.26	5.26
2007	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	1.13	0.00	0.00	1.13	1.13
2008	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	2.29	0.75	0.75	3.04	3.04
2008	A-S Hake CP	gf.	Big skate	Big skate	0.09	0.13	0.13	0.23	0.23
2008	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.86	1.59	1.59	2.44	2.44
2008	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.68	0.73	0.73	2.41	2.41
2008	A-S Hake CP	gf.	Dover sole	Dover sole	0.71	0.02	0.02	0.73	0.73
2008	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.03	0.01	0.01	0.03	0.03
2008	A-S Hake CP	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake CP	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2008	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.50	0.10	0.10	0.60	0.60
2008	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.41	0.03	0.03	0.43	0.43
2008	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.22	0.13	0.13	0.35	0.35
2008	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.04	0.03	0.03	0.07	0.07
2008	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.07	0.02	0.02	0.10	0.10
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.07	0.07	0.08	0.08
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.03	0.03	0.03	0.03
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	63.98	5.68	5.68	69.65	69.65
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.20	0.04	0.04	0.24	0.24
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.14	0.00	0.00	0.14	0.14
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.57	0.09	0.09	0.67	0.67
2008	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.06	0.00	0.00	0.06	0.06
2008	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	1.40	0.03	0.03	1.42	1.42
2008	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	gf.	Other flatfish	Rex sole	0.32	0.06	0.06	0.37	0.37
2008	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	gf.	Pacific hake	Pacific hake	107754.36	85.56	85.56	107839.93	107839.93

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	A-S Hake CP	gf.	POP (N of 40°10')	POP	10.15	2.75	2.75	12.90	12.90
2008	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.02	0.00	0.00	0.02	0.02
2008	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	1.18	0.12	0.12	1.29	1.29
2008	A-S Hake CP	gf.	SST (N of 34°27')	SST	4.67	0.42	0.42	5.09	5.09
2008	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	106.34	382.26	382.26	488.60	488.60
2008	A-S Hake CP	gf.	Widow rf.	Widow rf.	37.53	15.06	15.06	52.59	52.59
2008	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	39.23	37.86	37.86	77.10	77.10
2008	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	American shad	0.13	0.29	0.29	0.42	0.42
2008	A-S Hake CP	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.42	0.42	0.42	0.42
2008	A-S Hake CP	ngf.	Other ngf.	Brittle starfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	3.26	11.95	11.95	15.21	15.21
2008	A-S Hake CP	ngf.	Other ngf.	Coral/bryozoan, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.02	0.02	0.02	0.02
2008	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.03	0.02	0.02	0.05	0.05
2008	A-S Hake CP	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.02	0.01	0.01	0.03	0.03
2008	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.20	0.05	0.05	0.25	0.25
2008	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	873.56	1031.66	1031.66	1905.22	1905.22
2008	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	2.01	0.07	0.07	2.08	2.08
2008	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.05	0.13	0.13	0.18	0.18
2008	A-S Hake CP	ngf.	Other ngf.	King of the salmon	5.89	5.17	5.17	11.05	11.05
2008	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.02	0.02	0.02	0.04	0.04
2008	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.52	0.13	0.13	0.65	0.65
2008	A-S Hake CP	ngf.	Other ngf.	Longfin dragonfish	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.95	0.21	0.21	1.16	1.16
2008	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Manefish	0.03	0.01	0.01	0.04	0.04
2008	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.09	0.04	0.04	0.13	0.13
2008	A-S Hake CP	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.17	0.04	0.04	0.21	0.21
2008	A-S Hake CP	ngf.	Other ngf.	Opah	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	2.07	2.07	2.07	2.07
2008	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.01	0.01	0.01	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.02	0.02	0.02	0.04	0.04
2008	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.21	0.75	0.75	0.96	0.96
2008	A-S Hake CP	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Pelagic octopus, unid.	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Prowfish	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Other ngf.	Ragfish	37.85	25.65	25.65	63.50	63.50
2008	A-S Hake CP	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	0.17	0.17	0.17	0.17
2008	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.02	0.00	0.00	0.02	0.02
2008	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Shining loosejaw	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Silvery hatchetfish	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Slender snipe eel	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.03	0.00	0.00	0.03	0.03
2008	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	45.47	24.07	24.07	69.54	69.54
2008	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.05	0.02	0.02	0.06	0.06
2008	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.03	0.02	0.02	0.05	0.05
2008	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.03	0.01	0.01	0.04	0.04
2008	A-S Hake CP	ngf.	Shared ECS	Blacksmelt, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	1.77	0.22	0.22	1.98	1.98
2008	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.24	0.10	0.10	0.34	0.34
2008	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Shared ECS	Rainbow smelt	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.01	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.69	0.55	0.55	1.24	1.24
2008	A-S Hake MSCV	gf.	Big skate	Big skate	0.10	0.18	0.18	0.29	0.29
2008	A-S Hake MSCV	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.41	0.33	0.33	0.74	0.74
2008	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	2.28	1.63	1.63	3.91	3.91
2008	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2008	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.04	0.06	0.06	0.10	0.10
2008	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	1.46	1.51	1.51	2.97	2.97
2008	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.10	0.10	0.10	0.10
2008	A-S Hake MSCV	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.07	0.07	0.11	0.11
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.03	0.57	0.57	0.60	0.60
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.02	0.02
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.03	0.03	0.04	0.04
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.10	0.97	0.97	3.07	3.07
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.22	0.22	0.27	0.27
2008	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.02	0.02	0.02	0.04	0.04
2008	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.01	0.03	0.03	0.03	0.03
2008	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.02	0.04	0.04	0.06	0.06
2008	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	57687.42	0.00	0.00	57687.42	57687.42
2008	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	1.75	1.20	1.20	2.95	2.95
2008	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.14	0.20	0.20	0.34	0.34
2008	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.11	0.07	0.07	0.18	0.18
2008	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	4.73	19.20	19.20	23.93	23.93
2008	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	23.59	37.27	37.27	60.86	60.86
2008	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	33.50	27.91	27.91	61.41	61.41

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	A-S Hake MSCV	ngf.	CA halibut	CA halibut	0.00	0.03	0.03	0.03	0.03
2008	A-S Hake MSCV	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.07	0.09	0.09	0.16	0.16
2008	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	1.39	0.23	0.23	1.62	1.62
2008	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.18	0.18	0.18	0.18
2008	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.01	576.16	576.16	576.17	576.17
2008	A-S Hake MSCV	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.17	1.71	1.71	1.87	1.87
2008	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.10	0.10	0.11	0.11
2008	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.78	1.52	1.52	2.30	2.30
2008	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.01	0.04	0.04	0.05	0.05
2008	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.03	0.00	0.00	0.03	0.03
2008	A-S Hake MSCV	ngf.	Other ngf.	Longnose lancetfish	0.00	0.03	0.03	0.03	0.03
2008	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.03	0.03	0.03	0.03
2008	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.22	0.22	0.22	0.22
2008	A-S Hake MSCV	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.06	0.06	0.06	0.06
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.63	0.63	0.63	0.63
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.02	0.02	0.02	0.02
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.16	0.06	0.06	0.21	0.21
2008	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.04	0.44	0.44	0.49	0.49
2008	A-S Hake MSCV	ngf.	Other ngf.	Pelagic octopus, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake MSCV	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.66	0.22	0.22	0.88	0.88
2008	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	0.53	0.53	0.53	0.53
2008	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	3.57	12.13	12.13	15.70	15.70

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	A-S Hake MSCV	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.01	0.00	0.00	0.01	0.01
2008	A-S Hake MSCV	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2008	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.00	0.00	0.01	0.01
2008	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.02	0.00	0.00	0.03	0.03
2008	A-S Hake MSCV	ngf.	Shared ECS	Smelt/herring, unid.	0.00	0.04	0.04	0.04	0.04
2008	CS – BT	ngf.	Other ngf.	PHLB	0.00	305.21	207.81	305.21	207.81
2008	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.67	0.00	0.00	0.67	0.67
2008	Incidental	gf.	Big skate	Big skate	0.06	0.00	0.00	0.06	0.06
2008	Incidental	gf.	Black rf. (CA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Black rf. (OR)	Black rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.34	0.00	0.00	0.34	0.34
2008	Incidental	gf.	Cabezon (CA)	Cabezon	0.13	0.00	0.00	0.13	0.13
2008	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.90	0.00	0.00	0.90	0.90
2008	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.19	0.00	0.00	0.19	0.19
2008	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Dover sole	Dover sole	0.08	0.00	0.00	0.08	0.08
2008	Incidental	gf.	ECS	CA skate	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	ECS	Sandpaper skate	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	ECS	Soupfin shark	6.98	0.00	0.00	6.98	6.98
2008	Incidental	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	5.22	0.00	0.00	5.22	5.22
2008	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	0.89	0.00	0.00	0.89	0.89
2008	Incidental	gf.	Longnose skate	Longnose skate	4.73	0.00	0.00	4.73	4.73
2008	Incidental	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.06	0.00	0.00	0.06	0.06
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.09	0.00	0.00	0.09	0.09
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.03	0.00	0.00	0.03	0.03
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.10	0.00	0.00	0.10	0.10
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.04	0.00	0.00	0.04	0.04
2008	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.04	0.00	0.00	0.04	0.04
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.09	0.00	0.00	0.09	0.09
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.07	0.00	0.00	0.07	0.07
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.97	0.00	0.00	0.97	0.97
2008	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.21	0.00	0.00	0.21	0.21
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.18	0.00	0.00	0.18	0.18
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.41	0.00	0.00	0.41	0.41
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.09	0.00	0.00	1.09	1.09
2008	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.52	0.00	0.00	3.52	3.52
2008	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2008	Incidental	gf.	Other flatfish	Flatfish, unid.	2.57	0.00	0.00	2.57	2.57
2008	Incidental	gf.	Other flatfish	Pacific sanddab	0.07	0.00	0.00	0.07	0.07
2008	Incidental	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.01	0.00	0.00	0.01	0.01
2008	Incidental	gf.	Other gf.	Leopard shark	1.92	0.00	0.00	1.92	1.92
2008	Incidental	gf.	Other rf.	Rockfish, unid.	0.17	0.00	0.00	0.17	0.17
2008	Incidental	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Pacific hake	Pacific hake	0.30	0.00	0.00	0.30	0.30
2008	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Petrale sole	Petrale sole	0.05	0.00	0.00	0.05	0.05
2008	Incidental	gf.	Sablefish (N of 36°)	Sablefish	33.06	0.00	0.00	33.06	33.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Incidental	gf.	Sablefish (S of 36°)	Sablefish	28.96	0.00	0.00	28.96	28.96
2008	Incidental	gf.	SST (N of 34°27')	SST	0.34	0.00	0.00	0.34	0.34
2008	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	15.19	0.00	0.00	15.19	15.19
2008	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2008	Incidental	gf.	Widow rf.	Widow rf.	0.02	0.00	0.00	0.02	0.02
2008	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.16	0.00	0.00	0.16	0.16
2008	Incidental	ngf.	CA halibut	CA halibut	124.48	0.00	0.00	124.48	124.48
2008	Incidental	ngf.	Dungeness crab	Dungeness crab	15631.51	0.00	0.00	15631.51	15631.51
2008	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.02	0.00	0.00	0.02	0.02
2008	Incidental	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2008	Incidental	ngf.	Other ngf.	Abalone, unid.	0.77	0.00	0.00	0.77	0.77
2008	Incidental	ngf.	Other ngf.	Albacore tuna	10916.66	0.00	0.00	10916.66	10916.66
2008	Incidental	ngf.	Other ngf.	American shad	23.44	0.00	0.00	23.44	23.44
2008	Incidental	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	28.34	0.00	0.00	28.34	28.34
2008	Incidental	ngf.	Other ngf.	Basket cockle	61.34	0.00	0.00	61.34	61.34
2008	Incidental	ngf.	Other ngf.	Bass, unid.	0.05	0.00	0.00	0.05	0.05
2008	Incidental	ngf.	Other ngf.	Bat ray	4.13	0.00	0.00	4.13	4.13
2008	Incidental	ngf.	Other ngf.	Bigeye thresher shark	6.46	0.00	0.00	6.46	6.46
2008	Incidental	ngf.	Other ngf.	Bigeye tuna	16.05	0.00	0.00	16.05	16.05
2008	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.86	0.00	0.00	0.86	0.86
2008	Incidental	ngf.	Other ngf.	Black skipjack	0.01	0.00	0.00	0.01	0.01
2008	Incidental	ngf.	Other ngf.	Blue shark	0.28	0.00	0.00	0.28	0.28
2008	Incidental	ngf.	Other ngf.	Bluefin tuna	0.85	0.00	0.00	0.85	0.85
2008	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	33.32	0.00	0.00	33.32	33.32
2008	Incidental	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2008	Incidental	ngf.	Other ngf.	Brown cat shark	0.12	0.00	0.00	0.12	0.12
2008	Incidental	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.00	0.00	0.00	0.00
2008	Incidental	ngf.	Other ngf.	Butter clam	9.16	0.00	0.00	9.16	9.16
2008	Incidental	ngf.	Other ngf.	CA barracuda	10.42	0.00	0.00	10.42	10.42
2008	Incidental	ngf.	Other ngf.	CA mussel	0.10	0.00	0.00	0.10	0.10
2008	Incidental	ngf.	Other ngf.	CA sheephead	0.62	0.00	0.00	0.62	0.62
2008	Incidental	ngf.	Other ngf.	CA spiny lobster	330.14	0.00	0.00	330.14	330.14
2008	Incidental	ngf.	Other ngf.	Cat shark, unid.	0.11	0.00	0.00	0.11	0.11
2008	Incidental	ngf.	Other ngf.	Clam, unid.	1.00	0.00	0.00	1.00	1.00
2008	Incidental	ngf.	Other ngf.	Common thresher shark	146.40	0.00	0.00	146.40	146.40
2008	Incidental	ngf.	Other ngf.	Crab, unid.	28.88	0.00	0.00	28.88	28.88
2008	Incidental	ngf.	Other ngf.	Croaker, unid.	0.02	0.00	0.00	0.02	0.02

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2008	Incidental	ngf.	Other ngf.	Dorado	0.79	0.00	0.00	0.79	0.79
2008	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.12	0.00	0.00	0.12	0.12
2008	Incidental	ngf.	Other ngf.	Eel, unid.	5.16	0.00	0.00	5.16	5.16
2008	Incidental	ngf.	Other ngf.	Filetail cat shark	0.01	0.00	0.00	0.01	0.01
2008	Incidental	ngf.	Other ngf.	Gaper clam	2.32	0.00	0.00	2.32	2.32
2008	Incidental	ngf.	Other ngf.	Ghost shrimp	12.00	0.00	0.00	12.00	12.00
2008	Incidental	ngf.	Other ngf.	Giant sea bass	2.71	0.00	0.00	2.71	2.71
2008	Incidental	ngf.	Other ngf.	Hagfish, unid.	1924.24	0.00	0.00	1924.24	1924.24
2008	Incidental	ngf.	Other ngf.	Halibut, unid.	0.03	0.00	0.00	0.03	0.03
2008	Incidental	ngf.	Other ngf.	Jack mackerel	275.58	0.00	0.00	275.58	275.58
2008	Incidental	ngf.	Other ngf.	King crab, unid.	0.11	0.00	0.00	0.11	0.11
2008	Incidental	ngf.	Other ngf.	Mackerel, unid.	1.59	0.00	0.00	1.59	1.59
2008	Incidental	ngf.	Other ngf.	Market squid	38100.23	0.00	0.00	38100.23	38100.23
2008	Incidental	ngf.	Other ngf.	Mixed species	62.86	0.00	0.00	62.86	62.86
2008	Incidental	ngf.	Other ngf.	Mollusc, unid.	70.74	0.00	0.00	70.74	70.74
2008	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.05	0.00	0.00	0.05	0.05
2008	Incidental	ngf.	Other ngf.	Mud shrimp	0.64	0.00	0.00	0.64	0.64
2008	Incidental	ngf.	Other ngf.	Native littleneck clam	0.42	0.00	0.00	0.42	0.42
2008	Incidental	ngf.	Other ngf.	Northern anchovy	14646.88	0.00	0.00	14646.88	14646.88
2008	Incidental	ngf.	Other ngf.	Octopus, unid.	1.53	0.00	0.00	1.53	1.53
2008	Incidental	ngf.	Other ngf.	Pacific angel shark	10.06	0.00	0.00	10.06	10.06
2008	Incidental	ngf.	Other ngf.	Pacific bonito	803.13	0.00	0.00	803.13	803.13
2008	Incidental	ngf.	Other ngf.	Pacific herring	836.54	0.00	0.00	836.54	836.54
2008	Incidental	ngf.	Other ngf.	Pacific mackerel	3592.22	0.00	0.00	3592.22	3592.22
2008	Incidental	ngf.	Other ngf.	Pacific sardine	87189.44	0.00	0.00	87189.44	87189.44
2008	Incidental	ngf.	Other ngf.	Pacific sleeper shark	0.01	0.00	0.00	0.01	0.01
2008	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.15	0.00	0.00	0.15	0.15
2008	Incidental	ngf.	Other ngf.	Queenfish	0.12	0.00	0.00	0.12	0.12
2008	Incidental	ngf.	Other ngf.	Razor clam	101.41	0.00	0.00	101.41	101.41
2008	Incidental	ngf.	Other ngf.	Red rock crab	528.25	0.00	0.00	528.25	528.25
2008	Incidental	ngf.	Other ngf.	Red urchin	4927.11	0.00	0.00	4927.11	4927.11
2008	Incidental	ngf.	Other ngf.	Ridgeback prawn	1.02	0.00	0.00	1.02	1.02
2008	Incidental	ngf.	Other ngf.	Scarlet king crab	45.36	0.00	0.00	45.36	45.36
2008	Incidental	ngf.	Other ngf.	Sculpin, unid.	2.25	0.00	0.00	2.25	2.25
2008	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	257.77	0.00	0.00	257.77	257.77
2008	Incidental	ngf.	Other ngf.	Shark, unid.	4.21	0.00	0.00	4.21	4.21
2008	Incidental	ngf.	Other ngf.	Shrimp, unid.	40.48	0.00	0.00	40.48	40.48
2008	Incidental	ngf.	Other ngf.	Skate, unid.	14.52	0.00	0.00	14.52	14.52
2008	Incidental	ngf.	Other ngf.	Skipjack tuna	0.38	0.00	0.00	0.38	0.38

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2008	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.05	0.00	0.00	0.05	0.05
2008	Incidental	ngf.	Other ngf.	Spot prawn	139.68	0.00	0.00	139.68	139.68
2008	Incidental	ngf.	Other ngf.	Squid, unid.	41.46	0.00	0.00	41.46	41.46
2008	Incidental	ngf.	Other ngf.	Surfperch, unid.	8.99	0.00	0.00	8.99	8.99
2008	Incidental	ngf.	Other ngf.	Swordfish	482.50	0.00	0.00	482.50	482.50
2008	Incidental	ngf.	Other ngf.	Tuna, unid.	0.62	0.00	0.00	0.62	0.62
2008	Incidental	ngf.	Other ngf.	Urchin, unid.	3.54	0.00	0.00	3.54	3.54
2008	Incidental	ngf.	Other ngf.	White croaker	18.42	0.00	0.00	18.42	18.42
2008	Incidental	ngf.	Other ngf.	White sea bass	304.63	0.00	0.00	304.63	304.63
2008	Incidental	ngf.	Other ngf.	Wolf-eel	0.03	0.00	0.00	0.03	0.03
2008	Incidental	ngf.	Other ngf.	Yellowfin tuna	3.24	0.00	0.00	3.24	3.24
2008	Incidental	ngf.	Other ngf.	Yellowtail amberjack	6.22	0.00	0.00	6.22	6.22
2008	Incidental	ngf.	Shared ECS	Smelt, unid.	189.54	0.00	0.00	189.54	189.54
2008	Incidental	ngf.	Tanner crab	Tanner crab, unid.	0.01	0.00	0.00	0.01	0.01
2008	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	gf.	Big skate	Big skate	0.00	13.04	6.52	13.04	6.52
2008	LE CA Halibut	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2008	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.02	0.00	0.00	0.02	0.02
2008	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	3.12	0.00	0.00	3.12	3.12
2008	LE CA Halibut	gf.	Darkblotched rf.	Darkblotched rf.	0.19	0.00	0.00	0.19	0.19
2008	LE CA Halibut	gf.	Dover sole	Dover sole	13.23	0.00	0.00	13.23	13.23
2008	LE CA Halibut	gf.	ECS	CA skate	0.00	5.60	5.60	5.60	5.60
2008	LE CA Halibut	gf.	ECS	Grenadier, unid.	0.15	0.00	0.00	0.15	0.15
2008	LE CA Halibut	gf.	ECS	Soupfin shark	0.54	0.05	0.05	0.60	0.60
2008	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.20	0.20	0.20	0.20
2008	LE CA Halibut	gf.	English sole	English sole	3.45	0.59	0.59	4.04	4.04
2008	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.59	0.03	0.01	0.62	0.60
2008	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.68	0.34	0.68	0.34
2008	LE CA Halibut	gf.	LST (N of 34°27')	LST	2.79	0.00	0.00	2.79	2.79
2008	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.04	0.04	0.05	0.05
2008	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.38	0.00	0.00	0.38	0.38
2008	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.45	0.00	0.00	0.45	0.45
2008	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	8.78	0.00	0.00	8.78	8.78
2008	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.07	0.00	0.00	0.07	0.07
2008	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.09	0.94	0.94	1.03	1.03
2008	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.00	0.11	0.11	0.11	0.11
2008	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	1.69	0.79	0.79	2.48	2.48
2008	LE CA Halibut	gf.	Other flatfish	Rex sole	1.40	0.02	0.02	1.42	1.42

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE CA Halibut	gf.	Other flatfish	Rock sole	0.81	0.01	0.01	0.82	0.82
2008	LE CA Halibut	gf.	Other flatfish	Sand sole	1.53	0.06	0.06	1.58	1.58
2008	LE CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	gf.	Other gf.	Leopard shark	0.42	1.84	1.84	2.27	2.27
2008	LE CA Halibut	gf.	Other rf.	Rockfish, unid.	0.04	0.00	0.00	0.04	0.04
2008	LE CA Halibut	gf.	Pacific hake	Pacific hake	0.22	0.04	0.04	0.26	0.26
2008	LE CA Halibut	gf.	Petrale sole	Petrale sole	30.65	0.15	0.15	30.80	30.80
2008	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	6.86	0.00	0.00	6.86	6.86
2008	LE CA Halibut	gf.	SST (N of 34°27')	SST	1.77	0.00	0.00	1.77	1.77
2008	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.53	1.53	1.53	1.53
2008	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.78	0.00	0.00	0.78	0.78
2008	LE CA Halibut	gf.	Starry flounder	Starry flounder	6.78	0.39	0.39	7.17	7.17
2008	LE CA Halibut	ngf.	CA halibut	CA halibut	36.39	13.54	13.54	49.93	49.93
2008	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	32.87	32.87	32.87	32.87
2008	LE CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.31	0.00	0.00	0.31	0.31
2008	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.03	0.26	0.26	0.29	0.29
2008	LE CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.02	0.02	0.02	0.02
2008	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.43	0.43	0.43	0.43
2008	LE CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08
2008	LE CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	28.55	28.55	28.55	28.55
2008	LE CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	3.60	3.60	3.60	3.60
2008	LE CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.79	0.79	0.79	0.79
2008	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	146.80	146.80	146.80	146.80
2008	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.02	0.02	0.02	0.02
2008	LE CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.00	0.03	0.03	0.03	0.03
2008	LE CA Halibut	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.95	0.95	0.95	0.95
2008	LE CA Halibut	ngf.	Other ngf.	PHLB	0.00	0.31	0.31	0.31	0.31
2008	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.56	0.56	0.56	0.56
2008	LE CA Halibut	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.78	0.78	0.78	0.78
2008	LE CA Halibut	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.00	0.41	0.41	0.41	0.41
2008	LE CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.24	0.24	0.24	0.24
2008	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	0.76	1.29	1.29	2.05	2.05
2008	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.02	0.02	0.02	0.02
2008	LE CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.03	0.03	0.03	0.03
2008	LE CA Halibut	ngf.	Other ngf.	Sturgeon, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.06	0.06	0.06	0.06
2008	LE CA Halibut	ngf.	Other ngf.	White croaker	0.04	0.83	0.83	0.86	0.86
2008	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2008	LE CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.63	0.31	0.31	0.94	0.94
2008	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.12	0.00	0.00	1.12	1.12
2008	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	4.10	0.00	0.00	4.10	4.10
2008	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.06	0.00	0.00	2.06	2.06
2008	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.32	3.73	3.73	4.05	4.05
2008	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	0.41	0.41	0.41	0.41
2008	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	9.58	9.58	9.58	9.58
2008	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	30.76	0.22	0.22	30.97	30.97
2008	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	6.54	6.54	6.54	6.54
2008	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	6.58	6.58	6.58	6.58
2008	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.12	0.12	0.12	0.12
2008	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.32	0.32	0.32	0.32
2008	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.40	0.00	0.00	1.40	1.40
2008	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.18	0.00	0.00	0.18	0.18
2008	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	0.00	19.76	9.88	19.76	9.88
2008	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	0.70	2.10	2.10	2.80	2.80
2008	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	10.84	5.03	5.03	15.86	15.86
2008	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.29	0.00	0.00	0.29	0.29
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Chameleon rf.	0.07	0.00	0.00	0.07	0.07
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.04	0.00	0.00	0.04	0.04
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2008	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.58	0.00	0.00	0.58	0.58
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.57	0.00	0.00	0.57	0.57
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	2.89	0.00	0.00	2.89	2.89
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	4.87	0.00	0.00	4.87	4.87
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.18	0.00	0.00	0.18	0.18
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.92	0.00	0.00	0.92	0.92
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.21	0.00	0.00	0.21	0.21
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.54	0.48	0.48	1.02	1.02
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.23	0.00	0.00	0.23	0.23
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	15.92	0.30	0.30	16.22	16.22
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.08	0.00	0.00	0.08	0.08
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2008	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	1.43	3.26	3.26	4.70	4.70

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.35	0.00	0.00	0.35	0.35
2008	LE FG DTL – H&L	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.10	0.00	0.00	0.10	0.10
2008	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.23	2.44	2.44	2.68	2.68
2008	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2008	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.12	0.00	0.00	0.12	0.12
2008	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	245.80	51.72	10.34	297.52	256.14
2008	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	76.29	1.65	0.33	77.93	76.62
2008	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	8.37	0.94	0.94	9.31	9.31
2008	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	166.81	8.93	8.93	175.74	175.74
2008	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	70.09	36.00	18.00	106.09	88.09
2008	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2008	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.34	0.00	0.00	0.34	0.34
2008	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.03	0.00	0.00	0.03	0.03
2008	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.03	0.03	0.03	0.03
2008	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.03	3.71	3.71	3.74	3.74
2008	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.80	0.05	0.05	0.85	0.85
2008	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	6.21	6.21	6.21	6.21
2008	LE FG DTL – H&L	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.11	0.11	0.11	0.11
2008	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.09	0.00	0.00	0.09	0.09
2008	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2008	LE FG DTL – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	7.08	7.08	7.08	7.08
2008	LE FG DTL – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.05	0.05	0.05	0.05
2008	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.11	0.11	0.11	0.11
2008	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.90	1.90	1.90	1.90
2008	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.06	0.06	0.06	0.06
2008	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2008	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2008	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.03	0.03	0.06	0.06

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.00	0.02	0.02	0.02	0.02
2008	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	2.99	0.48	2.99	0.48
2008	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.02	0.01	0.01	0.03	0.03
2008	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.13	0.13	0.13	0.13
2008	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.09	0.09	0.09	0.09
2008	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.12	7.34	7.34	7.46	7.46
2008	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	5.14	1.03	1.03	6.17	6.17
2008	LE FG DTL – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.05	0.05	0.05	0.05
2008	LE FG DTL – H&L	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.56	0.56	0.58	0.58
2008	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.04	0.00	0.00	0.04	0.04
2008	LE FG DTL – H&L	ngf.	Shared ECS	Top smelt	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.54	1.54	1.54	1.54
2008	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.14	0.01	0.01	0.15	0.15
2008	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.03	0.03	0.03	0.03
2008	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	3.09	0.49	0.10	3.58	3.19
2008	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.18	0.03	0.03	0.21	0.21
2008	LE FG DTL – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE FG DTL – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.03	0.03	0.03	0.03
2008	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	2.19	72.40	72.40	74.59	74.59
2008	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	4.05	4.05	4.05	4.05
2008	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.00	0.44	0.44	0.44	0.44
2008	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.01	0.01	0.02	0.02
2008	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.92	3.55	3.55	6.48	6.48
2008	LE Sablefish – H&L	gf.	Dover sole	Dover sole	0.82	3.10	3.10	3.91	3.91
2008	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.07	0.07	0.07	0.07
2008	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.14	0.14	0.14	0.14
2008	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	4.55	4.55	4.55	4.55
2008	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	6.46	0.00	0.00	6.46	6.46
2008	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.20	0.20	0.20	0.20
2008	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.39	0.39	0.39	0.39
2008	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	1.44	1.44	1.44	1.44
2008	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	7.49	8.84	0.62	16.33	8.11
2008	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.04	0.00	0.00	0.04	0.04
2008	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	0.00	59.52	29.76	59.52	29.76
2008	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.21	0.00	0.00	0.22	0.22
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.63	0.04	0.04	0.67	0.67
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.09	0.31	0.31	0.40	0.40
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.13	0.72	0.72	0.85	0.85
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.17	0.47	0.47	0.65	0.65
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.07	0.04	0.04	0.11	0.11
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.52	0.56	0.56	1.08	1.08
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.03	0.00	0.00	0.03	0.03
2008	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.06	0.01	0.01	0.07	0.07
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.06	0.03	0.03	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.81	0.19	0.19	2.01	2.01
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.18	2.88	2.88	12.06	12.06
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	32.87	1.74	1.74	34.61	34.61
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.02	0.02	0.04	0.04
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.82	2.63	2.63	4.45	4.45
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	32.63	32.63	32.63	32.63
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.00	0.03	0.03	1.02	1.02
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.06	0.03	0.03	0.10	0.10
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.11	0.77	0.77	0.88	0.88
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.03	0.00	0.00	0.03	0.03
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.86	0.00	0.00	1.86	1.86
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.72	0.00	0.00	1.72	1.72
2008	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.19	0.00	0.00	0.19	0.19
2008	LE Sablefish – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2008	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	0.07	0.05	0.05	0.12	0.12
2008	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.17	0.17	0.17	0.17
2008	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.18	0.03	0.03	0.20	0.20
2008	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.22	0.15	0.15	0.38	0.38
2008	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1103.35	188.95	37.79	1292.30	1141.14
2008	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	11.31	0.69	0.69	12.00	12.00
2008	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	110.61	102.54	51.27	213.15	161.88
2008	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.02	0.04	0.04	0.05	0.05
2008	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.05	0.73	0.73	0.78	0.78
2008	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.39	0.04	0.04	0.43	0.43
2008	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.05	0.00	0.00	0.05	0.05
2008	LE Sablefish – H&L	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.03	24.57	24.57	24.60	24.60
2008	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.40	0.40	0.40	0.40
2008	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.03	0.03	0.03	0.03
2008	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.08	0.08	0.08	0.08
2008	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.07	0.07	0.07	0.07
2008	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	21.51	252.84	40.45	274.35	61.96
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.39	0.39	0.39	0.39
2008	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	11.83	11.83	11.83	11.83
2008	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	22.55	0.17	0.17	22.72	22.72
2008	LE Sablefish – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.02	0.02	0.05	0.05
2008	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.13	0.13	0.13	0.13
2008	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.73	0.86	0.86	1.59	1.59
2008	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.34	0.00	0.00	0.34	0.34
2008	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.53	0.53	0.53	1.06	1.06
2008	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.00	0.08	0.08	0.08	0.08
2008	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.03	0.03	0.03	0.03
2008	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	4.46	1.46	1.46	5.92	5.92
2008	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.00	0.00	0.03	0.03
2008	LE Sablefish – Pot	gf.	Longnose skate	Longnose skate	0.00	0.02	0.01	0.02	0.01
2008	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2008	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.00	0.00	0.07	0.07
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.32	0.00	0.00	1.32	1.32
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.02	0.00	0.00	1.02	1.02
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.18	0.00	0.00	0.18	0.18
2008	LE Sablefish – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.01	0.01
2008	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	432.98	115.01	23.00	547.98	455.98
2008	LE Sablefish – Pot	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02
2008	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.02	0.01	0.01	0.02	0.02
2008	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.97	0.97	0.97	0.97
2008	LE Sablefish – Pot	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	1.15	1.01	1.01	2.16	2.16
2008	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.03	0.03	0.03	0.03
2008	LE Sablefish – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2008	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.10	0.10	0.10	0.10
2008	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	6.62	1.19	6.62	1.19
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.36	0.36	0.36	0.36
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.16	0.16	0.16	0.16
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.56	0.00	0.00	0.56	0.56
2008	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2008	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.91	0.91	0.91	0.91
2008	LE Sablefish – Pot	ngf.	Other ngf.	Wolf-eel	0.01	0.00	0.00	0.01	0.01
2008	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.22	1.22	1.22	1.22
2008	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	2634.55	574.84	574.84	3209.39	3209.39
2008	LE Trawl	gf.	Big skate	Big skate	0.00	57.98	28.99	57.98	28.99

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.17	0.01	0.01	0.18	0.18
2008	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.32	4.81	4.81	6.13	6.13
2008	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.03	0.10	0.10	0.13	0.13
2008	LE Trawl	gf.	Canary rf.	Canary rf.	0.82	11.83	11.83	12.65	12.65
2008	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	87.49	48.52	48.52	136.01	136.01
2008	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.17	0.17	0.17	0.17
2008	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	103.35	100.71	100.71	204.07	204.07
2008	LE Trawl	gf.	Dover sole	Dover sole	10955.64	595.77	595.77	11551.41	11551.41
2008	LE Trawl	gf.	ECS	Abyssal grenadier	0.00	0.67	0.67	0.67	0.67
2008	LE Trawl	gf.	ECS	Aleutian skate	0.00	3.01	3.01	3.01	3.01
2008	LE Trawl	gf.	ECS	Black skate	0.00	48.95	48.95	48.95	48.95
2008	LE Trawl	gf.	ECS	CA grenadier	0.00	5.38	5.38	5.38	5.38
2008	LE Trawl	gf.	ECS	CA skate	0.00	3.54	3.54	3.54	3.54
2008	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.46	0.46	0.46	0.46
2008	LE Trawl	gf.	ECS	Giant grenadier	0.00	168.85	168.85	168.85	168.85
2008	LE Trawl	gf.	ECS	Grenadier, unid.	65.55	8.30	8.30	73.85	73.85
2008	LE Trawl	gf.	ECS	Pacific flatnose	0.00	11.44	11.44	11.44	11.44
2008	LE Trawl	gf.	ECS	Pacific grenadier	0.00	81.04	81.04	81.04	81.04
2008	LE Trawl	gf.	ECS	Popeye grenadier	0.00	0.19	0.19	0.19	0.19
2008	LE Trawl	gf.	ECS	Sandpaper skate	0.00	85.65	85.65	85.65	85.65
2008	LE Trawl	gf.	ECS	Shoulderspot grenadier	0.00	0.15	0.15	0.15	0.15
2008	LE Trawl	gf.	ECS	Smooth grenadier	0.00	0.14	0.14	0.14	0.14
2008	LE Trawl	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	ECS	Soupfin shark	0.20	0.00	0.00	0.20	0.20
2008	LE Trawl	gf.	ECS	Spotted ratfish	0.00	173.06	173.06	173.06	173.06
2008	LE Trawl	gf.	English sole	English sole	323.49	66.52	66.52	390.00	390.00
2008	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	83.31	65.58	32.79	148.90	116.10
2008	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	23.29	9.15	4.57	32.44	27.87
2008	LE Trawl	gf.	Longnose skate	Longnose skate	0.00	539.68	269.84	539.68	269.84
2008	LE Trawl	gf.	LST (N of 34°27')	LST	1230.05	216.15	216.15	1446.20	1446.20
2008	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.02	0.05	0.05	0.07	0.07
2008	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.08	0.00	0.00	0.08	0.08
2008	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.19	0.18	0.18	0.36	0.36
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.79	0.36	0.36	1.15	1.15
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	1.63	2.12	2.12	3.76	3.76
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.27	0.25	0.25	0.52	0.52
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.16	2.12	2.12	2.29	2.29
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.31	1.71	1.71	2.02	2.02
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.68	1.42	1.42	2.10	2.10
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.01	0.66	0.66	0.67	0.67
2008	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.06	0.00	0.00	0.06	0.06
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.47	0.07	0.07	0.55	0.55
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.08	1.21	1.21	1.29	1.29
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.05	0.05	0.05	0.05
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.38	12.95	12.95	13.33	13.33
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.19	0.00	0.00	0.19	0.19
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	6.62	6.62	6.62	6.62
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.14	0.00	0.00	0.14	0.14
2008	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.60	0.03	0.03	0.63	0.63
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	11.62	23.39	23.39	35.01	35.01
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	1.03	0.02	0.02	1.05	1.05
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.70	3.68	3.68	6.38	6.38
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.99	5.09	5.09	9.08	9.08
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	52.99	29.09	29.09	82.08	82.08
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.13	2.99	2.99	4.12	4.12
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	11.17	14.82	14.82	25.99	25.99
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	1.02	1.02	1.02	1.02
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.05	4.78	4.78	5.83	5.83
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	5.01	67.02	67.02	72.03	72.03
2008	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.17	0.06	0.06	1.22	1.22
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	5.83	4.90	4.90	10.73	10.73
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	95.29	0.05	0.05	95.34	95.34
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	37.62	0.06	0.06	37.68	37.68
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	POP	0.20	0.00	0.00	0.20	0.20
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	2.09	0.81	0.81	2.90	2.90

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2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.74	0.00	0.00	0.74	0.74
2008	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.27	0.00	0.00	0.27	0.27
2008	LE Trawl	gf.	Mixed thornyheads	SST/LST	0.00	18.28	18.28	18.28	18.28
2008	LE Trawl	gf.	Other flatfish	Butter sole	0.00	0.32	0.32	0.32	0.32
2008	LE Trawl	gf.	Other flatfish	Curlfin sole	0.23	0.65	0.65	0.88	0.88
2008	LE Trawl	gf.	Other flatfish	Flatfish, unid.	0.08	14.91	14.91	14.99	14.99
2008	LE Trawl	gf.	Other flatfish	Flathead sole	0.71	0.03	0.03	0.73	0.73
2008	LE Trawl	gf.	Other flatfish	Pacific sanddab	190.22	94.29	94.29	284.51	284.51
2008	LE Trawl	gf.	Other flatfish	Rex sole	510.29	41.40	41.40	551.70	551.70
2008	LE Trawl	gf.	Other flatfish	Rock sole	4.15	0.19	0.19	4.34	4.34
2008	LE Trawl	gf.	Other flatfish	Sand sole	17.51	0.60	0.60	18.10	18.10
2008	LE Trawl	gf.	Other flatfish	Sanddab, unid.	5.86	6.22	6.22	12.09	12.09
2008	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	gf.	Other gf.	Leopard shark	0.06	0.00	0.00	0.06	0.06
2008	LE Trawl	gf.	Other rf.	Rockfish, unid.	0.06	0.00	0.00	0.06	0.06
2008	LE Trawl	gf.	Pacific cod	Pacific cod	11.47	0.14	0.14	11.61	11.61
2008	LE Trawl	gf.	Pacific hake	Pacific hake	0.29	1173.45	1173.45	1173.74	1173.74
2008	LE Trawl	gf.	POP (N of 40°10')	POP	68.00	32.81	32.81	100.82	100.82
2008	LE Trawl	gf.	Petrale sole	Petrale sole	2144.42	41.04	41.04	2185.46	2185.46
2008	LE Trawl	gf.	Roundfish unid	Roundfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2847.31	185.34	92.67	3032.65	2939.98
2008	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	16.74	0.03	0.01	16.77	16.76
2008	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.05	6.95	6.95	7.00	7.00
2008	LE Trawl	gf.	SST (N of 34°27')	SST	1203.02	44.89	44.89	1247.91	1247.91
2008	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	59.18	891.19	891.19	950.37	950.37
2008	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	78.27	97.90	97.90	176.17	176.17
2008	LE Trawl	gf.	Starry flounder	Starry flounder	5.89	1.49	1.49	7.38	7.38
2008	LE Trawl	gf.	Widow rf.	Widow rf.	1.97	3.38	3.38	5.35	5.35
2008	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.02	0.07	0.07	0.09	0.09
2008	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	7.51	0.82	0.82	8.33	8.33
2008	LE Trawl	ngf.	CA halibut	CA halibut	2.77	0.00	0.00	2.77	2.77
2008	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.52	218.04	218.04	218.56	218.56
2008	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	1.43	41.18	41.18	42.61	42.61
2008	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.40	0.05	0.05	0.45	0.45
2008	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.00	12.40	12.40	12.40	12.40
2008	LE Trawl	ngf.	Other ngf.	American shad	0.05	1.11	1.11	1.16	1.16
2008	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	71.83	71.83	71.83	71.83

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	0.64	0.64	0.64	0.64
2008	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.03	0.03	0.03	0.03
2008	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	2.79	2.79	2.79	2.79
2008	LE Trawl	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.27	0.27	0.27	0.27
2008	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.17	0.17	0.17	0.17
2008	LE Trawl	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.31	0.31	0.31	0.31
2008	LE Trawl	ngf.	Other ngf.	Blue shark	0.00	0.18	0.18	0.18	0.18
2008	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	0.57	0.57	0.57	0.57
2008	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	53.97	53.97	53.97	53.97
2008	LE Trawl	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.46	1.46	1.46	1.46
2008	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.11	0.11	0.11	0.11
2008	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	28.68	28.68	28.68	28.68
2008	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	1.23	1.23	1.23	1.23
2008	LE Trawl	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2008	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	0.20	0.20	0.20	0.20
2008	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	0.03	0.03	0.03	0.03
2008	LE Trawl	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	36.70	36.70	36.70	36.70
2008	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	0.68	0.68	0.68	0.68
2008	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	1.29	1.29	1.29	1.29
2008	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.08	0.08	0.08	0.08
2008	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.06	0.06	0.06	0.06
2008	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.08	0.08	0.08	0.08
2008	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.05	0.05	0.05	0.05
2008	LE Trawl	ngf.	Other ngf.	Hundred fathom mora	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	36.09	36.09	36.09	36.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	0.38	0.38	0.38	0.38
2008	LE Trawl	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.03	0.03	0.03	0.03
2008	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	1.66	1.66	1.66	1.66
2008	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.25	0.25	0.25	0.25
2008	LE Trawl	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	0.08	0.08	0.08	0.08
2008	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.10	0.10	0.10	0.10
2008	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.20	0.20	0.20	0.20
2008	LE Trawl	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.04	0.04	0.04	0.04
2008	LE Trawl	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.39	0.39	0.39	0.39
2008	LE Trawl	ngf.	Other ngf.	Mixed species	0.15	0.00	0.00	0.15	0.15
2008	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.04	0.04	0.04	0.04
2008	LE Trawl	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.05	0.05	0.05	0.05
2008	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.08	0.08	0.08	0.08
2008	LE Trawl	ngf.	Other ngf.	Octopus, unid.	1.00	9.67	9.67	10.67	10.67
2008	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Pacific angel shark	0.07	0.00	0.00	0.07	0.07
2008	LE Trawl	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	1.36	1.36	1.36	1.36
2008	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.14	0.14	0.14	0.14
2008	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	2.49	2.49	2.49	2.49
2008	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	7.80	7.80	7.80	7.80
2008	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Paperbone, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.10	0.10	0.10	0.10
2008	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.25	0.25	0.25	0.25
2008	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Prowfish	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.54	0.54	0.54	0.54
2008	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.06	0.06	0.06	0.06
2008	LE Trawl	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.03	0.03	0.03	0.03
2008	LE Trawl	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.54	0.54	0.54	0.54
2008	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	2.72	2.72	2.72	2.72
2008	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	2.54	2.54	2.54	2.54
2008	LE Trawl	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	0.90	0.90	0.90	0.90
2008	LE Trawl	ngf.	Other ngf.	Sea spider, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.63	0.63	0.63	0.63
2008	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	46.20	46.20	46.20	46.20
2008	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.12	0.12	0.12	0.12
2008	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.01	29.74	29.74	29.74	29.74
2008	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.15	0.15	0.15	0.15
2008	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.59	0.59	0.59	0.59
2008	LE Trawl	ngf.	Other ngf.	Skate, unid.	1281.99	1.93	1.93	1283.92	1283.92
2008	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	3.53	3.53	3.53	3.53
2008	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	4.32	4.32	4.32	4.32
2008	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	0.04	0.04	0.04	0.04
2008	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.10	0.10	0.10	0.10
2008	LE Trawl	ngf.	Other ngf.	Spiny lithode crab	0.00	2.01	2.01	2.01	2.01
2008	LE Trawl	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	30.50	30.50	30.50	30.50
2008	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Squid, unid.	30.92	81.46	81.46	112.38	112.38
2008	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.95	0.95	0.95	0.95
2008	LE Trawl	ngf.	Other ngf.	Stony coral	0.00	1.17	1.17	1.17	1.17
2008	LE Trawl	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.14	0.14	0.14	0.14
2008	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	1.20	1.20	1.20	1.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	3.53	3.53	3.53	3.53
2008	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	6.92	6.92	6.92	6.92
2008	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	White croaker	0.22	0.56	0.56	0.78	0.78
2008	LE Trawl	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.10	0.10	0.10	0.20	0.20
2008	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2008	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2008	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.03	0.03	0.03	0.03
2008	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.02	0.02	0.02	0.02
2008	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	42.84	42.84	42.84	42.84
2008	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	573.54	573.54	573.54	573.54
2008	Nearshore	gf.	Big skate	Big skate	0.01	0.00	0.00	0.01	0.01
2008	Nearshore	gf.	Black rf. (CA)	Black rf.	83.28	3.90	2.02	87.18	85.30
2008	Nearshore	gf.	Black rf. (OR)	Black rf.	98.31	5.70	1.31	104.01	99.62
2008	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.89	0.00	0.00	0.89	0.89
2008	Nearshore	gf.	Cabezon (CA)	Cabezon	23.11	4.54	0.32	27.65	23.43
2008	Nearshore	gf.	Cabezon (OR)	Cabezon	24.68	1.59	0.11	26.27	24.79
2008	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.44	0.00	0.00	2.44	2.44
2008	Nearshore	gf.	Canary rf.	Canary rf.	0.02	4.86	2.72	4.87	2.74
2008	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.37	0.00	0.00	0.37	0.37
2008	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2008	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	ECS	Soupfin shark	0.24	0.00	0.00	0.24	0.24
2008	Nearshore	gf.	ECS	Spotted ratfish	0.00	1.26	0.09	1.26	0.09
2008	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	39.26	31.44	2.20	70.70	41.46
2008	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	15.97	20.55	1.44	36.52	17.41
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.07	0.00	0.00	0.07	0.07
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	24.54	6.75	2.42	31.29	26.96
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.45	0.00	0.00	0.45	0.45
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	9.40	0.99	0.28	10.39	9.67
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	3.68	0.02	0.01	3.70	3.69
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.09	0.00	0.00	0.09	0.09
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.41	0.00	0.00	0.41	0.41
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.01	0.00	0.01	0.01
2008	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	7.02	0.27	0.10	7.29	7.12

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	12.04	0.93	0.50	12.97	12.54
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	5.36	2.38	1.55	7.75	6.91
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	23.57	0.09	0.05	23.66	23.62
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.02	0.01	0.02	0.01
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	2.32	3.24	2.30	5.56	4.62
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	2.94	0.32	0.20	3.26	3.14
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	23.86	1.75	1.10	25.61	24.96
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	15.69	1.35	0.80	17.04	16.49
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.50	0.00	0.00	0.50	0.50
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.47	0.00	0.00	0.47	0.47
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.72	0.02	0.01	0.74	0.74
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.77	0.00	0.00	0.77	0.77
2008	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.97	0.00	0.00	0.97	0.97
2008	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.05	0.05	0.05	0.05
2008	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.05	0.05	0.05	0.05
2008	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.46	0.00	0.00	0.46	0.46
2008	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	7.62	0.36	0.13	7.98	7.75
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.01	0.00	0.00	0.01	0.01
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.14	0.00	0.00	0.14	0.14
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.03	0.00	0.00	0.03	0.03
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.09	0.00	0.00	0.09	0.09
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.04	0.00	0.00	0.04	0.04
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.05	0.05	0.05	0.05
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.16	0.01	0.01	0.17	0.17
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.62	0.00	0.00	0.62	0.62
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.12	0.00	0.00	0.12	0.12
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.21	0.00	0.00	0.21	0.21
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	6.78	0.00	0.00	6.78	6.78
2008	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.43	0.09	0.06	0.53	0.49
2008	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2008	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.38	0.00	0.00	0.38	0.38
2008	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.11	0.00	0.00	0.11	0.11
2008	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Nearshore	gf.	Other flatfish	Pacific sanddab	1.13	0.01	0.00	1.14	1.13
2008	Nearshore	gf.	Other flatfish	Rock sole	0.02	1.37	0.10	1.39	0.11
2008	Nearshore	gf.	Other flatfish	Sand sole	0.02	0.07	0.01	0.10	0.03
2008	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.35	9.94	0.70	11.29	2.04
2008	Nearshore	gf.	Other gf.	Kelp greenling (OR)	21.85	3.45	0.24	25.30	22.10
2008	Nearshore	gf.	Other gf.	Leopard shark	0.22	1.78	0.12	1.99	0.34
2008	Nearshore	gf.	Other rf.	Rockfish, unid.	0.46	0.00	0.00	0.46	0.46
2008	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	3.31	0.00	0.00	3.31	3.31
2008	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	0.60	0.00	0.00	0.60	0.60
2008	Nearshore	gf.	SST (N of 34°27')	SST	0.12	0.00	0.00	0.12	0.12
2008	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.00	10.76	0.75	10.76	0.75
2008	Nearshore	gf.	Starry flounder	Starry flounder	0.29	0.00	0.00	0.29	0.29
2008	Nearshore	gf.	Widow rf.	Widow rf.	0.06	0.00	0.00	0.06	0.06
2008	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.02	4.55	2.40	4.56	2.41
2008	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.12	0.76	0.22	1.88	1.33
2008	Nearshore	ngf.	CA halibut	CA halibut	1.27	0.00	0.00	1.27	1.27
2008	Nearshore	ngf.	Dungeness crab	Dungeness crab	11.43	0.00	0.00	11.43	11.43
2008	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.15	0.15	0.15	0.15
2008	Nearshore	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	0.32	0.32	0.32	0.32
2008	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	16.35	16.35	16.35	16.35
2008	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.07	0.07	0.07	0.07
2008	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.74	0.00	0.00	0.74	0.74
2008	Nearshore	ngf.	Other ngf.	Bull sculpin	0.00	0.02	0.02	0.02	0.02
2008	Nearshore	ngf.	Other ngf.	CA barracuda	0.06	0.00	0.00	0.06	0.06
2008	Nearshore	ngf.	Other ngf.	CA moray	0.00	0.17	0.17	0.17	0.17
2008	Nearshore	ngf.	Other ngf.	CA sheephead	36.40	18.36	18.36	54.76	54.76
2008	Nearshore	ngf.	Other ngf.	CA spiny lobster	6.43	0.00	0.00	6.43	6.43
2008	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.09	0.09	0.09	0.09
2008	Nearshore	ngf.	Other ngf.	Crab, unid.	1.99	0.00	0.00	1.99	1.99
2008	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Eel, unid.	0.17	0.00	0.00	0.17	0.17
2008	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.29	1.29	1.29	1.29
2008	Nearshore	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2008	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.17	0.17	0.17	0.17
2008	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	28.30	28.30	28.30	28.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Nearshore	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Mixed species	0.84	0.00	0.00	0.84	0.84
2008	Nearshore	ngf.	Other ngf.	Mollusc, unid.	2.67	0.03	0.03	2.69	2.69
2008	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.03	0.00	0.00	0.03	0.03
2008	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2008	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	1.37	1.37	1.37	1.37
2008	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.27	0.39	0.39	0.66	0.66
2008	Nearshore	ngf.	Other ngf.	Pacific bonito	0.26	0.00	0.00	0.26	0.26
2008	Nearshore	ngf.	Other ngf.	PHLB	0.00	0.35	0.35	0.35	0.35
2008	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.00	2.00	2.00	2.00	2.00
2008	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.17	0.17	0.17	0.17
2008	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.14	0.14	0.14	0.14
2008	Nearshore	ngf.	Other ngf.	Red rock crab	21.72	1.16	1.16	22.88	22.88
2008	Nearshore	ngf.	Other ngf.	Rock crab	0.00	0.22	0.22	0.22	0.22
2008	Nearshore	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.21	0.21	0.21	0.21
2008	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.00	1.52	1.52	1.52	1.52
2008	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.06	0.33	0.33	0.39	0.39
2008	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.04	0.04	0.04	0.04
2008	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	25.61	25.61	25.61	25.61
2008	Nearshore	ngf.	Other ngf.	Shark, unid.	0.22	0.00	0.00	0.22	0.22
2008	Nearshore	ngf.	Other ngf.	Skate, unid.	0.37	0.00	0.00	0.37	0.37
2008	Nearshore	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Spot prawn	2.04	0.00	0.00	2.04	2.04
2008	Nearshore	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2008	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.15	0.15	0.15	0.15
2008	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.01	0.01	0.01	0.01
2008	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.06	0.09	0.09	0.15	0.15
2008	Nearshore	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2008	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2008	Nearshore	ngf.	Other ngf.	White croaker	0.22	0.00	0.00	0.22	0.22
2008	Nearshore	ngf.	Other ngf.	White sea bass	0.29	0.00	0.00	0.29	0.29
2008	Nearshore	ngf.	Other ngf.	Wolf-eel	0.03	0.31	0.31	0.34	0.34
2008	Nearshore	ngf.	Other ngf.	Yellowfin tuna	0.03	0.00	0.00	0.03	0.03
2008	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	1.17	1.17	1.17	1.17
2008	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2008	OA CA Halibut	gf.	Big skate	Big skate	0.00	10.38	5.19	10.38	5.19
2008	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.17	0.85	0.85	1.03	1.03
2008	OA CA Halibut	gf.	Dover sole	Dover sole	0.05	0.03	0.03	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA CA Halibut	gf.	ECS	CA skate	0.00	7.04	7.04	7.04	7.04
2008	OA CA Halibut	gf.	ECS	Soupfin shark	0.03	0.00	0.00	0.03	0.03
2008	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.24	0.24	0.24	0.24
2008	OA CA Halibut	gf.	English sole	English sole	0.36	0.85	0.85	1.21	1.21
2008	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.05	0.02	0.05	0.03
2008	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.23	0.11	0.23	0.11
2008	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2008	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	0.28	0.28	0.28	0.28
2008	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	1.15	0.00	0.00	1.15	1.15
2008	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.07	0.38	0.38	0.44	0.44
2008	OA CA Halibut	gf.	Other flatfish	Rex sole	0.02	0.00	0.00	0.02	0.02
2008	OA CA Halibut	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	gf.	Other flatfish	Sand sole	0.23	0.16	0.16	0.38	0.38
2008	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.29	0.00	0.00	0.29	0.29
2008	OA CA Halibut	gf.	Other gf.	Leopard shark	0.01	0.77	0.77	0.78	0.78
2008	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.01	0.05	0.05	0.06	0.06
2008	OA CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.01	0.00	0.01	0.00
2008	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.07	1.50	1.50	1.57	1.57
2008	OA CA Halibut	gf.	Starry flounder	Starry flounder	0.63	1.54	1.54	2.17	2.17
2008	OA CA Halibut	ngf.	CA halibut	CA halibut	51.87	13.32	13.32	65.18	65.18
2008	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	132.76	132.76	132.76	132.76
2008	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.04	0.04	0.04	0.04
2008	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.06	0.59	0.59	0.64	0.64
2008	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.07	0.59	0.59	0.66	0.66
2008	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2008	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.62	0.62	0.62	0.62
2008	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.36	0.36	0.36	0.36
2008	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	6.99	6.99	6.99	6.99
2008	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	5.69	5.69	5.69	5.69
2008	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.01	0.01	0.01	0.01
2008	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.17	0.00	0.00	0.17	0.17
2008	OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.05	0.05	0.05	0.05
2008	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.12	0.12	0.12	0.12
2008	OA CA Halibut	ngf.	Other ngf.	Filetail cat shark	0.00	0.02	0.02	0.02	0.02
2008	OA CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.06	0.06	0.06	0.06
2008	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	1.11	1.11	1.11	1.11
2008	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.16	0.16	0.16	0.16
2008	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.10	0.10	0.10	0.10
2008	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.27	0.27	0.27	0.27
2008	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.14	0.14	0.14	0.14
2008	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	32.86	32.86	32.86	32.86
2008	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.78	0.78	0.78	0.78
2008	OA CA Halibut	ngf.	Other ngf.	Mackerel, unid.	0.08	0.00	0.00	0.08	0.08
2008	OA CA Halibut	ngf.	Other ngf.	Market squid	0.09	0.00	0.00	0.09	0.09
2008	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2008	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.33	0.00	0.00	0.33	0.33
2008	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.07	0.07	0.07	0.07
2008	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.03	0.03	0.03	0.03
2008	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	1.88	4.38	4.38	6.27	6.27
2008	OA CA Halibut	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	5.62	5.62	5.62	5.62
2008	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.17	0.17	0.17	0.17
2008	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.02	0.02	0.02	0.02
2008	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.09	0.09	0.09	0.09
2008	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.28	0.28	0.28	0.28
2008	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.12	0.12	0.12	0.12
2008	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.22	1.19	1.19	1.41	1.41
2008	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	4.38	0.00	0.00	4.38	4.38
2008	OA CA Halibut	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.07	0.07	0.07	0.07
2008	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.23	0.23	0.23	0.23
2008	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.54	0.54	0.54	0.54
2008	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	5.28	5.28	5.28	5.28
2008	OA CA Halibut	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2008	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.31	0.31	0.31	0.31
2008	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.04	0.00	0.00	0.04	0.04
2008	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	9.04	9.04	9.04	9.04
2008	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.65	0.65	0.65	0.65
2008	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.03	0.18	0.18	0.21	0.21
2008	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	1.45	0.44	0.44	1.89	1.89
2008	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.45	0.45	0.45	0.45
2008	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.02	0.02	0.02	0.02
2008	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2008	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.85	0.85	0.85	0.85
2008	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.35	0.35	0.35	0.35
2008	OA CA Halibut	ngf.	Other ngf.	White croaker	0.31	0.82	0.82	1.13	1.13
2008	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.24	0.09	0.09	0.32	0.32
2008	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	3.97	3.97	3.97	3.97
2008	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.77	12.20	12.20	13.97	13.97
2008	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.04	0.00	0.00	0.04	0.04
2008	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.88	0.00	0.00	1.88	1.88
2008	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.00	0.08	0.08	0.08	0.08
2008	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	1.27	0.00	0.00	1.27	1.27
2008	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.48	0.44	0.44	1.91	1.91
2008	OA FG – H&L	gf.	Dover sole	Dover sole	0.50	1.58	1.58	2.08	2.08
2008	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.81	0.81	0.81	0.81
2008	OA FG – H&L	gf.	ECS	Grenadier, unid.	21.06	0.00	0.00	21.06	21.06
2008	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.12	0.12	0.12	0.12
2008	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	1.28	1.28	1.28	1.28
2008	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2008	OA FG – H&L	gf.	ECS	Soupfin shark	0.15	0.00	0.00	0.15	0.15
2008	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.07	0.07	0.07	0.07
2008	OA FG – H&L	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	23.91	0.50	0.03	24.41	23.95
2008	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	1.70	0.19	0.01	1.89	1.71
2008	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.00	15.65	7.82	15.65	7.82
2008	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.35	0.35	0.35	0.35
2008	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.03	0.00	0.00	0.03	0.03
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.07	0.00	0.00	0.07	0.07
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.11	0.00	0.00	0.11	0.11
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.01	0.02	0.02	0.03	0.03
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.04	0.00	0.00	0.04	0.04
2008	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.11	0.05	0.05	0.16	0.16
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.01	0.01	0.01	0.01
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.05	0.00	0.00	0.05	0.05
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.16	0.00	0.00	0.16	0.16
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.11	0.00	0.00	0.11	0.11
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.10	0.00	0.00	0.10	0.10
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.69	0.00	0.00	0.69	0.69
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.03	0.03
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.17	0.00	0.00	0.17	0.17
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.17	0.01	0.01	0.17	0.17
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.38	0.05	0.05	0.43	0.43
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.09	0.00	0.00	0.09	0.09
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.01	0.01	0.02	0.02
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.32	0.00	0.00	0.32	0.32
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	3.38	0.00	0.00	3.38	3.38
2008	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.81	0.00	0.00	0.81	0.81
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.37	0.00	0.00	0.37	0.37
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.45	0.85	0.85	2.30	2.30
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.75	0.98	0.98	2.73	2.73
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.56	0.00	0.00	0.56	0.56
2008	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.04	0.04	0.09	0.09
2008	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.10	0.00	0.00	0.10	0.10
2008	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	13.68	0.00	0.00	13.68	13.68
2008	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.22	0.00	0.00	0.22	0.22
2008	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.42	0.02	0.02	0.44	0.44
2008	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.92	0.00	0.00	0.92	0.92
2008	OA FG – H&L	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00

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2008	OA FG – H&L	gf.	Other flatfish	Sand sole	0.19	0.00	0.00	0.19	0.19
2008	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	0.44	0.00	0.00	0.44	0.44
2008	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	gf.	Other gf.	Leopard shark	0.73	0.00	0.00	0.73	0.73
2008	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.87	0.00	0.00	1.87	1.87
2008	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.15	0.15	0.16	0.16
2008	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.05	0.03	0.03	0.08	0.08
2008	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	292.40	97.99	19.60	390.40	312.00
2008	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	12.77	0.00	0.00	12.77	12.77
2008	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.04	3.80	3.80	3.85	3.85
2008	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.19	0.00	0.00	0.19	0.19
2008	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	11.11	60.58	30.29	71.69	41.40
2008	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.81	0.00	0.00	0.81	0.81
2008	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.12	0.00	0.00	0.12	0.12
2008	OA FG – H&L	ngf.	CA halibut	CA halibut	0.43	0.00	0.00	0.43	0.43
2008	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.03	3.49	3.49	3.52	3.52
2008	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.02	0.00	0.00	0.02	0.02
2008	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.22	0.22	0.22	0.22
2008	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	ngf.	Other ngf.	Croaker, unid.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.04	0.04	0.04	0.04
2008	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.14	0.00	0.00	0.14	0.14
2008	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	39.89	6.38	39.89	6.38
2008	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.04	0.00	0.00	0.04	0.04
2008	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.46	0.46	0.46	0.46
2008	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.17	0.17	0.17	0.17
2008	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	7.93	0.02	0.02	7.96	7.96
2008	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	1.26	0.00	0.00	1.26	1.26

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	White croaker	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.14	0.00	0.00	0.14	0.14
2008	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.01	0.00	0.00	0.01	0.01
2008	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.34	0.34	0.34	0.34
2008	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.10	0.46	0.46	0.57	0.57
2008	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.16	0.16	0.19	0.19
2008	OA FG – Pot	gf.	Dover sole	Dover sole	0.13	0.47	0.47	0.60	0.60
2008	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.54	0.03	0.03	0.57	0.57
2008	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.28	0.25	0.25	0.53	0.53
2008	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.51	1.29	1.29	1.79	1.79
2008	OA FG – Pot	gf.	LST (S of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2008	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2008	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.04	0.04	0.05	0.05
2008	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.93	0.27	0.27	1.20	1.20
2008	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.10	0.10	0.10	0.10
2008	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2008	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.11	0.00	0.00	0.11	0.11
2008	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.04	0.00	0.00	0.04	0.04
2008	OA FG – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.24	0.24	0.24	0.24
2008	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	154.58	23.43	4.69	178.01	159.27
2008	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	83.33	10.97	2.19	94.30	85.52
2008	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.01	0.02	0.02	0.02	0.02
2008	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.00	0.03	0.03	0.03	0.03
2008	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.04	0.04	0.06	0.06
2008	OA FG – Pot	gf.	Widow rf.	Widow rf.	0.06	0.00	0.00	0.06	0.06
2008	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	2.05	1.22	1.22	3.26	3.26
2008	OA FG – Pot	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.05	0.05	0.05	0.05
2008	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2008	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.02	0.00	0.00	0.02	0.02
2008	OA FG – Pot	ngf.	Other ngf.	Cat shark, unid.	0.00	0.03	0.03	0.03	0.03
2008	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	OA FG – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.04	0.04	0.04	0.04
2008	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.12	0.12	0.12	0.12
2008	OA FG – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.31	0.31	0.31	0.31
2008	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.17	0.00	0.00	0.17	0.17
2008	OA FG – Pot	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2008	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2008	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.05	0.00	0.00	0.05	0.05
2008	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2008	OA FG – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2008	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.23	0.04	0.23	0.04
2008	OA FG – Pot	ngf.	Other ngf.	Pacific tomcod	0.12	0.00	0.00	0.12	0.12
2008	OA FG – Pot	ngf.	Other ngf.	Red rock crab	4.54	0.00	0.00	4.54	4.54
2008	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	1.78	1.78	1.78	1.78
2008	OA FG – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.30	0.30	0.30	0.30
2008	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2008	OA FG – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.64	0.64	0.64	0.64
2008	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2008	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.18	0.00	0.00	0.18	0.18
2008	OA FG – Pot	ngf.	Other ngf.	Spot prawn	2.77	0.00	0.00	2.77	2.77
2008	OA FG – Pot	ngf.	Other ngf.	Squid, unid.	0.04	0.00	0.00	0.04	0.04
2008	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.07	0.07	0.07	0.07
2008	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.45	1.45	1.45	1.45
2008	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.66	0.00	0.00	0.66	0.66
2008	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	4.55	0.00	0.00	4.55	4.55
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.18	0.00	0.00	0.18	0.18
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.41	0.00	0.00	0.41	0.41
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2008	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	29.61	0.00	0.00	29.61	29.61
2008	PHLB Derby	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2008	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.18	0.00	0.00	0.18	0.18
2008	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2008	PHLB Derby	ngf.	Other ngf.	Blue shark	0.02	0.00	0.00	0.02	0.02
2008	PHLB Derby	ngf.	Other ngf.	Common thresher shark	0.04	0.00	0.00	0.04	0.04
2008	PHLB Derby	ngf.	Other ngf.	Skate, unid.	4.40	0.00	0.00	4.40	4.40
2008	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	32.59	32.59	32.59	32.59
2008	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	gf.	Black rf. (OR)	Black rf.	0.00	0.02	0.02	0.02	0.02
2008	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.27	0.27	0.27	0.27
2008	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	12.19	12.19	12.19	12.19
2008	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	13.94	13.94	13.94	13.94
2008	Pink Shrimp	gf.	ECS	CA skate	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2008	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.56	0.56	0.56	0.56
2008	Pink Shrimp	gf.	English sole	English sole	0.01	1.34	1.34	1.35	1.35
2008	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.06	0.06	0.07	0.07
2008	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	1.26	1.26	1.26	1.26
2008	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	1.57	1.57	1.57	1.57
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.03	0.03	0.03	0.03
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	4.67	4.67	4.67	4.67
2008	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	7.13	7.13	7.13	7.13
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.32	0.32	0.32	0.32
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.04	0.04	0.04	0.04
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.08	0.08	0.08	0.08
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.07	0.07	0.07	0.07
2008	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	13.79	13.79	13.79	13.79
2008	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	2.64	2.64	2.64	2.64

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2008	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	0.44	0.44	0.44	0.44
2008	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	4.63	4.63	4.63	4.63
2008	Pink Shrimp	gf.	Other flatfish	Rex sole	0.09	27.20	27.20	27.29	27.29
2008	Pink Shrimp	gf.	Other flatfish	Sand sole	0.00	0.30	0.30	0.30	0.30
2008	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2008	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	737.01	737.01	737.01	737.01
2008	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.15	0.15	0.15	0.15
2008	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.03	1.44	1.44	1.47	1.47
2008	Pink Shrimp	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.42	1.77	1.77	2.19	2.19
2008	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.48	0.48	0.48	0.48
2008	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	4.03	4.03	4.03	4.03
2008	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.06	0.06	0.06	0.06
2008	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.77	0.77	0.77	0.77
2008	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	159.07	159.07	159.07	159.07
2008	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.19	0.19	0.19	0.19
2008	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.44	0.44	0.44	0.44
2008	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.71	0.71	0.71	0.71
2008	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.70	0.70	0.70	0.70
2008	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.14	0.14	0.14	0.14
2008	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	10.41	10.41	10.41	10.41
2008	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	3.47	3.47	3.47	3.47
2008	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	7.02	7.02	7.02	7.02
2008	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	4.01	4.01	4.01	4.01
2008	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.02	0.02	0.02	0.02
2008	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.68	0.68	0.68	0.68
2008	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Pink Shrimp	ngf.	Other ngf.	Leaf-like eel	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Longspine combfish	0.00	0.06	0.06	0.06	0.06
2008	Pink Shrimp	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.09	0.09	0.09	0.09
2008	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.62	0.62	0.62	0.62
2008	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	1.14	1.14	1.14	1.14
2008	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	2.14	2.14	2.14	2.14
2008	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.97	0.97	0.97	0.97
2008	Pink Shrimp	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.03	0.03	0.03	0.03
2008	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	2.92	2.92	2.92	2.92
2008	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.14	0.14	0.14	0.14
2008	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.20	0.20	0.20	0.20
2008	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.78	1.78	1.78	1.78
2008	Pink Shrimp	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.97	0.97	0.97	0.97
2008	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.10	0.10	0.10	0.10
2008	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.18	0.18	0.18	0.18
2008	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2008	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2008	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.21	4.89	4.89	5.11	5.11
2008	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.14	0.14	0.14	0.14
2008	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	2.12	2.12	2.12	2.12
2008	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.09	0.09	0.09	0.09
2008	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.03	0.03	0.03	0.03
2008	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2008	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	15374.61	0.00	0.00	15374.61	15374.61
2008	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	215.39	215.39	215.39	215.39

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.06	0.06	0.06	0.06
2008	Pink Shrimp	ngf.	Shared ECS	Lightfish, unid.	0.00	0.05	0.05	0.05	0.05
2008	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	27.30	27.30	27.30	27.30
2008	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	0.20	0.20	0.20	0.20
2008	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	0.05	0.05	0.05	0.05
2008	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	5.10	5.10
2008	Research	gf.	Black rf.	Black rf.	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Blue/deacon rf.	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Bocaccio rf.	Bocaccio rf.	0.00	0.00	0.00	1.32	1.32
2008	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	1.77	1.77
2008	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	4.50	4.50
2008	Research	gf.	Cowcod (N of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.01	0.01
2008	Research	gf.	Cowcod (S of 34°27')	Cowcod rf.	0.00	0.00	0.00	0.08	0.08
2008	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.13	1.13
2008	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	33.03	33.03
2008	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.00	2.00
2008	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	15.56	15.56
2008	Research	gf.	Lingcod	Lingcod	0.00	0.00	0.00	2.89	2.89
2008	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	13.40	13.40
2008	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.97	0.97
2008	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.13	0.13
2008	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.46	0.46
2008	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.06	0.06
2008	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.03	0.03
2008	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	2.24	2.24
2008	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.09	0.09
2008	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.02	0.02
2008	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.28	0.28
2008	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.03	0.03
2008	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	11.41	11.41
2008	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.24	0.24
2008	Research	gf.	Other gf.	Cabezon (coast)	0.00	0.00	0.00	0.01	0.01
2008	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.01	0.01
2008	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	10.85	10.85
2008	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.07	0.07
2008	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	11.79	11.79

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Research	gf.	POP	POP	0.00	0.00	0.00	0.84	0.84
2008	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	1.62	1.62
2008	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	11.78	11.78
2008	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.44	1.44
2008	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.21	1.21
2008	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	3.72	3.72
2008	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.58	0.58
2008	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	14.19	14.19
2008	Research	gf.	Splitnose rf.	Splitnose rf.	0.00	0.00	0.00	4.78	4.78
2008	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2008	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.35	0.35
2008	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	1.22	1.22
2008	Research	gf.	Yellowtail rf.	Yellowtail rf.	0.00	0.00	0.00	3.29	3.29
2008	Research	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2008	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	8.39	8.39
2008	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	2.88	2.88
2008	Research	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.03	0.03
2008	Research	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2008	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2008	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.07	0.00	0.00	0.07	0.07
2008	RBPT	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2008	RBPT	gf.	English sole	English sole	0.11	0.00	0.00	0.11	0.11
2008	RBPT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2008	RBPT	gf.	Other flatfish	Flatfish, unid.	8.29	0.00	0.00	8.29	8.29
2008	RBPT	gf.	Other flatfish	Pacific sanddab	0.07	0.00	0.00	0.07	0.07
2008	RBPT	gf.	Other flatfish	Rex sole	0.03	0.00	0.00	0.03	0.03
2008	RBPT	gf.	Other flatfish	Sanddab, unid.	0.38	0.00	0.00	0.38	0.38
2008	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.02	0.00	0.00	0.02	0.02
2008	RBPT	ngf.	CA halibut	CA halibut	0.24	0.00	0.00	0.24	0.24
2008	RBPT	ngf.	Other ngf.	Crab, unid.	0.07	0.00	0.00	0.07	0.07
2008	RBPT	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2008	RBPT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2008	RBPT	ngf.	Other ngf.	Market squid	0.35	0.00	0.00	0.35	0.35
2008	RBPT	ngf.	Other ngf.	Mixed species	0.39	0.00	0.00	0.39	0.39
2008	RBPT	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2008	RBPT	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2008	RBPT	ngf.	Other ngf.	Pacific mackerel	0.03	0.00	0.00	0.03	0.03
2008	RBPT	ngf.	Other ngf.	Red rock crab	0.22	0.00	0.00	0.22	0.22
2008	RBPT	ngf.	Other ngf.	Ridgeback prawn	228.18	0.00	0.00	228.18	228.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	RBPT	ngf.	Other ngf.	Skate, unid.	0.19	0.00	0.00	0.19	0.19
2008	RBPT	ngf.	Other ngf.	White croaker	14.08	0.00	0.00	14.08	14.08
2008	RBPT	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2008	SCT	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02
2008	SCT	ngf.	Other ngf.	Sea cucumber, unid.	112.89	0.00	0.00	112.89	112.89
2008	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	1.65	0.00	0.00	1.65	1.65
2008	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2008	Shoreside Hake	gf.	Canary rf.	Canary rf.	1.65	0.00	0.00	1.65	1.65
2008	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.52	0.00	0.00	0.52	0.52
2008	Shoreside Hake	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2008	Shoreside Hake	gf.	ECS	Soupfin shark	0.04	0.00	0.00	0.04	0.04
2008	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.12	0.00	0.00	0.12	0.12
2008	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	3.41	0.00	0.00	3.41	3.41
2008	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2008	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2008	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.46	0.00	0.00	0.46	0.46
2008	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	4.01	0.00	0.00	4.01	4.01
2008	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2008	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.12	0.00	0.00	0.12	0.12
2008	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.63	0.00	0.00	0.63	0.63
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.21	0.00	0.00	0.21	0.21
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.23	0.00	0.00	0.23	0.23
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2008	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.11	0.00	0.00	0.11	0.11
2008	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2008	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.03	0.00	0.00	0.03	0.03
2008	Shoreside Hake	gf.	Other flatfish	Rex sole	0.05	0.00	0.00	0.05	0.05
2008	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.19	0.00	0.00	0.19	0.19
2008	Shoreside Hake	gf.	Pacific hake	Pacific hake	50888.56	0.00	0.00	50888.56	50888.56
2008	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.12	0.00	0.00	0.12	0.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	0.28	0.00	0.00	0.28	0.28
2008	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.15	0.00	0.00	0.15	0.15
2008	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	59.50	0.00	0.00	59.50	59.50
2008	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	gf.	Widow rf.	Widow rf.	101.07	0.00	0.00	101.07	101.07
2008	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.07	0.00	0.00	0.07	0.07
2008	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	43.37	0.00	0.00	43.37	43.37
2008	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.08	0.00	0.00	0.08	0.08
2008	Shoreside Hake	ngf.	Other ngf.	American shad	3.34	0.00	0.00	3.34	3.34
2008	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	2.21	0.00	0.00	2.21	2.21
2008	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.03	0.00	0.00	0.03	0.03
2008	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.46	0.00	0.00	0.46	0.46
2008	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.01	0.00	0.00	0.01	0.01
2008	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	46.89	0.00	0.00	46.89	46.89
2008	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	2.28	0.00	0.00	2.28	2.28
2008	Shoreside Hake	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	ngf.	Other ngf.	Mixed species	0.84	0.00	0.00	0.84	0.84
2008	Shoreside Hake	ngf.	Other ngf.	Northern anchovy	0.05	0.00	0.00	0.05	0.05
2008	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2008	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.23	0.00	0.00	0.23	0.23
2008	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	1.14	0.00	0.00	1.14	1.14
2008	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.39	0.00	0.00	0.39	0.39
2008	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	1.15	0.00	0.00	1.15	1.15
2008	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.30	0.00	0.00	0.30	0.30
2008	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	880.95	0.00	0.00	880.95	880.95
2008	Shoreside Hake	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2008	Shoreside Hake	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	2.02	2.02	2.02	2.02
2008	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.60	0.00	0.00	0.60	0.60
2008	Tribal A-S Hake	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.00	2.03	2.03	2.03	2.03
2008	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.53	0.00	0.00	0.53	0.53
2008	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02
2008	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.86	0.00	0.00	2.86	2.86
2008	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Tribal A-S Hake	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.01	0.01
2008	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	14977.26	0.00	0.00	14977.26	14977.26
2008	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.07	0.00	0.00	0.07	0.07
2008	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.03	0.73	0.73	0.76	0.76
2008	Tribal A-S Hake	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.00	159.39	159.39	159.39	159.39
2008	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	1.67	0.00	0.00	1.67	1.67
2008	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	36.32	0.03	0.03	36.34	36.34
2008	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.00	0.32	0.32	0.32	0.32
2008	Tribal A-S Hake	ngf.	Other ngf.	Brown cat shark	0.00	0.12	0.12	0.12	0.12
2008	Tribal A-S Hake	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	260.95	260.95	260.95	260.95
2008	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	0.01	0.01	0.01	0.01
2008	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	ngf.	Other ngf.	King of the salmon	0.00	0.04	0.04	0.04	0.04
2008	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	1.28	1.28	1.28	1.28
2008	Tribal A-S Hake	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.59	0.59	0.59	0.59
2008	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	25.31	0.00	0.00	25.31	25.31
2008	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2008	Tribal Shoreside	gf.	Canary rf.	Canary rf.	5.65	0.00	0.00	5.65	5.65
2008	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.00	0.00	0.10	0.10
2008	Tribal Shoreside	gf.	Dover sole	Dover sole	238.24	0.00	0.00	238.24	238.24
2008	Tribal Shoreside	gf.	English sole	English sole	35.58	0.00	0.00	35.58	35.58
2008	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	71.71	0.00	0.00	71.71	71.71
2008	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2008	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.27	0.00	0.00	2.27	2.27
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.50	0.00	0.00	0.50	0.50
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.17	0.00	0.00	0.17	0.17
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.04	0.00	0.00	0.04	0.04
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.30	0.00	0.00	0.30	0.30
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.81	0.00	0.00	1.81	1.81
2008	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.05	0.00	0.00	0.05	0.05
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.16	0.00	0.00	0.16	0.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.90	0.00	0.00	3.90	3.90
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	15.57	0.00	0.00	15.57	15.57
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.08	0.00	0.00	0.08	0.08
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.65	0.00	0.00	1.65	1.65
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.09	0.00	0.00	0.09	0.09
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.14	0.00	0.00	1.14	1.14
2008	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.36	0.00	0.00	0.36	0.36
2008	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	2.70	0.00	0.00	2.70	2.70
2008	Tribal Shoreside	gf.	Other flatfish	Rex sole	37.73	0.00	0.00	37.73	37.73
2008	Tribal Shoreside	gf.	Other flatfish	Rock sole	2.48	0.00	0.00	2.48	2.48
2008	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.19	0.00	0.00	0.19	0.19
2008	Tribal Shoreside	gf.	Pacific cod	Pacific cod	26.48	0.00	0.00	26.48	26.48
2008	Tribal Shoreside	gf.	Pacific hake	Pacific hake	16972.13	0.00	0.00	16972.13	16972.13
2008	Tribal Shoreside	gf.	POP (N of 40°10')	POP	7.04	0.00	0.00	7.04	7.04
2008	Tribal Shoreside	gf.	Petrale sole	Petrale sole	44.00	0.00	0.00	44.00	44.00
2008	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	526.48	0.00	0.00	526.48	526.48
2008	Tribal Shoreside	gf.	SST (N of 34°27')	SST	36.70	0.00	0.00	36.70	36.70
2008	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	302.88	0.00	0.00	302.88	302.88
2008	Tribal Shoreside	gf.	Widow rf.	Widow rf.	14.80	0.00	0.00	14.80	14.80
2008	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.27	0.00	0.00	0.27	0.27
2008	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	223.32	0.00	0.00	223.32	223.32
2008	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1147.97	0.00	0.00	1147.97	1147.97
2008	Tribal Shoreside	ngf.	Other ngf.	American shad	1.04	0.00	0.00	1.04	1.04
2008	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.02	0.00	0.00	0.02	0.02
2008	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2008	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.07	0.00	0.00	0.07	0.07
2008	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.18	0.00	0.00	0.18	0.18
2008	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2008	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.01	0.00	0.00	0.01	0.01
2008	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	52.78	0.00	0.00	52.78	52.78
2008	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	265.76	0.00	0.00	265.76	265.76
2008	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	0.02	0.00	0.00	0.02	0.02
2008	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.01	0.00	0.00	0.01	0.01
2009	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	0.17	0.09	0.09	0.26	0.26
2009	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.09	0.14	0.14	0.23	0.23
2009	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.09	0.09	0.11	0.11
2009	A-S Hake CP	gf.	Dover sole	Dover sole	0.00	0.02	0.02	0.02	0.02
2009	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2009	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.01	0.01	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	7.16	1.12	1.12	8.28	8.28
2009	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.07	0.07	0.15	0.15
2009	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.08	0.08	0.08	0.08
2009	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	gf.	Other flatfish	Rex sole	0.00	0.09	0.09	0.10	0.10
2009	A-S Hake CP	gf.	Pacific hake	Pacific hake	34590.85	35.10	35.10	34625.95	34625.95
2009	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.03	0.03	0.03	0.06	0.06
2009	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.01	0.01
2009	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	0.17	0.00	0.00	0.17	0.17
2009	A-S Hake CP	gf.	SST (N of 34°27')	SST	0.10	0.28	0.28	0.38	0.38
2009	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	0.14	27.69	27.69	27.83	27.83
2009	A-S Hake CP	gf.	Widow rf.	Widow rf.	0.19	0.77	0.77	0.96	0.96
2009	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	2.82	4.90	4.90	7.72	7.72
2009	A-S Hake CP	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.02	0.35	0.35	0.36	0.36
2009	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	0.41	4.25	4.25	4.66	4.66
2009	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.03	0.01	0.01	0.04	0.04
2009	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.13	0.13	0.13	0.13
2009	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	71.18	3781.30	3781.30	3852.48	3852.48
2009	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	1.40	0.00	0.00	1.40	1.40
2009	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.47	0.47	0.47	0.47
2009	A-S Hake CP	ngf.	Other ngf.	King of the salmon	0.18	0.29	0.29	0.47	0.47
2009	A-S Hake CP	ngf.	Other ngf.	Lamp shell, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.02	0.04	0.04	0.05	0.05
2009	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.06	0.02	0.02	0.08	0.08
2009	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.03	0.03	0.03	0.03
2009	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.00	0.05	0.05	0.05	0.05
2009	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.06	0.01	0.01	0.07	0.07
2009	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.10	0.88	0.88	0.98	0.98
2009	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.02	0.06	0.06	0.08	0.08
2009	A-S Hake CP	ngf.	Other ngf.	Ragfish	0.68	2.93	2.93	3.61	3.61
2009	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Slender snipe eel	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Snail, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	1.51	37.74	37.74	39.25	39.25
2009	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.01	0.01	0.01	0.02	0.02
2009	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.01	0.01
2009	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.02	0.01	0.01	0.02	0.02
2009	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.07	0.03	0.03	0.10	0.10
2009	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.07	0.02	0.02	0.10	0.10
2009	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.82	0.59	0.59	1.41	1.41
2009	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.05	0.05	0.05	0.05
2009	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.36	0.25	0.25	0.60	0.60
2009	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.07	0.13	0.13	0.20	0.20
2009	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.36	0.27	0.27	0.62	0.62
2009	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.04	0.04	0.04	0.04
2009	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.13	0.25	0.25	0.37	0.37
2009	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.03	0.03	0.04	0.04
2009	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.24	0.13	0.13	0.36	0.36
2009	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2009	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	24066.39	29.16	29.16	24095.55	24095.55
2009	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.30	1.10	1.10	1.40	1.40
2009	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.01	0.01	0.01	0.01
2009	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	1.57	5.21	5.21	6.78	6.78
2009	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	10.13	14.76	14.76	24.89	24.89
2009	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	108.12	53.68	53.68	161.79	161.79
2009	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.10	0.68	0.68	0.79	0.79
2009	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.00	0.02	0.02	0.02	0.02
2009	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.08	0.08	0.08	0.08
2009	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2009	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.00	0.04	0.04	0.04	0.04
2009	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.01	0.01
2009	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.02	0.02	0.02	0.02
2009	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2009	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.26	0.26	0.26	0.26
2009	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02
2009	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	2.15	2.10	2.10	4.26	4.26
2009	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2009	CS – BT	ngf.	Other ngf.	PHLB	0.00	385.24	251.10	385.24	251.10
2009	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	1.21	0.00	0.00	1.21	1.21
2009	Incidental	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Black rf. (OR)	Black rf.	0.08	0.00	0.00	0.08	0.08
2009	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.16	0.00	0.00	0.16	0.16
2009	Incidental	gf.	Cabezon (CA)	Cabezon	0.03	0.00	0.00	0.03	0.03
2009	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.23	0.00	0.00	0.23	0.23
2009	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2009	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.00	0.00	0.06	0.06
2009	Incidental	gf.	Dover sole	Dover sole	6.17	0.00	0.00	6.17	6.17
2009	Incidental	gf.	ECS	Deepsea skate	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	ECS	Giant grenadier	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Incidental	gf.	ECS	Sandpaper skate	0.06	0.00	0.00	0.06	0.06
2009	Incidental	gf.	ECS	Soupfin shark	3.52	0.00	0.00	3.52	3.52
2009	Incidental	gf.	ECS	Spotted ratfish	0.02	0.00	0.00	0.02	0.02
2009	Incidental	gf.	ECS	White skate	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	English sole	English sole	0.11	0.00	0.00	0.11	0.11
2009	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	2.41	0.00	0.00	2.41	2.41
2009	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	0.51	0.00	0.00	0.51	0.51
2009	Incidental	gf.	Longnose skate	Longnose skate	16.78	0.00	0.00	16.78	16.78
2009	Incidental	gf.	LST (N of 34°27')	LST	3.38	0.00	0.00	3.38	3.38
2009	Incidental	gf.	LST (S of 34°27')	LST	0.03	0.00	0.00	0.03	0.03
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.04	0.00	0.00	0.04	0.04
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.10	0.00	0.00	0.10	0.10
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.29	0.00	0.00	0.29	0.29
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.08	0.00	0.00	0.08	0.08
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.06	0.00	0.00	0.06	0.06
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Chameleon rf.	0.09	0.00	0.00	0.09	0.09
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.04	0.00	0.00	0.04	0.04
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.02	0.00	0.00	0.02	0.02
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.00	0.00	0.01	0.01
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.08	0.00	0.00	0.08	0.08
2009	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.16	0.00	0.00	1.16	1.16
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.32	0.00	0.00	0.32	0.32
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.22	0.00	0.00	3.22	3.22
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.13	0.00	0.00	0.13	0.13
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.09	0.00	0.00	0.09	0.09
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.19	0.00	0.00	0.19	0.19
2009	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.14	0.00	0.00	0.14	0.14
2009	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.15	0.00	0.00	3.15	3.15
2009	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	Incidental	gf.	Mixed thornyheads	SST/LST	0.02	0.00	0.00	0.02	0.02
2009	Incidental	gf.	Other flatfish	Flatfish, unid.	2.77	0.00	0.00	2.77	2.77
2009	Incidental	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Other flatfish	Pacific sanddab	1.02	0.00	0.00	1.02	1.02
2009	Incidental	gf.	Other flatfish	Rex sole	0.29	0.00	0.00	0.29	0.29
2009	Incidental	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Other flatfish	Sand sole	0.55	0.00	0.00	0.55	0.55
2009	Incidental	gf.	Other flatfish	Sanddab, unid.	0.08	0.00	0.00	0.08	0.08
2009	Incidental	gf.	Other gf.	Leopard shark	1.25	0.00	0.00	1.25	1.25
2009	Incidental	gf.	Other rf.	Rockfish, unid.	0.35	0.00	0.00	0.35	0.35
2009	Incidental	gf.	Pacific cod	Pacific cod	0.08	0.00	0.00	0.08	0.08
2009	Incidental	gf.	Pacific hake	Pacific hake	0.17	0.00	0.00	0.17	0.17
2009	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2009	Incidental	gf.	Petrale sole	Petrale sole	1.07	0.00	0.00	1.07	1.07
2009	Incidental	gf.	Sablefish (N of 36°)	Sablefish	39.50	0.00	0.00	39.50	39.50
2009	Incidental	gf.	Sablefish (S of 36°)	Sablefish	114.25	0.00	0.00	114.25	114.25
2009	Incidental	gf.	SST (N of 34°27')	SST	5.06	0.00	0.00	5.06	5.06
2009	Incidental	gf.	SST (S of 34°27')	SST	0.11	0.00	0.00	0.11	0.11
2009	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	2.87	0.00	0.00	2.87	2.87
2009	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.11	0.00	0.00	0.11	0.11
2009	Incidental	gf.	Starry flounder	Starry flounder	0.57	0.00	0.00	0.57	0.57
2009	Incidental	gf.	Widow rf.	Widow rf.	0.36	0.00	0.00	0.36	0.36
2009	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.49	0.00	0.00	0.49	0.49
2009	Incidental	ngf.	CA halibut	CA halibut	153.81	0.00	0.00	153.81	153.81
2009	Incidental	ngf.	Dungeness crab	Dungeness crab	21288.79	0.00	0.00	21288.79	21288.79
2009	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2009	Incidental	ngf.	Other ngf.	Albacore tuna	12270.81	0.00	0.00	12270.81	12270.81

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2009	Incidental	ngf.	Other ngf.	American shad	28.01	0.00	0.00	28.01	28.01
2009	Incidental	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2009	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	39.29	0.00	0.00	39.29	39.29
2009	Incidental	ngf.	Other ngf.	Basket cockle	73.70	0.00	0.00	73.70	73.70
2009	Incidental	ngf.	Other ngf.	Bass, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Bat ray	1.86	0.00	0.00	1.86	1.86
2009	Incidental	ngf.	Other ngf.	Bigeye thresher shark	7.36	0.00	0.00	7.36	7.36
2009	Incidental	ngf.	Other ngf.	Bigeye tuna	4.10	0.00	0.00	4.10	4.10
2009	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.91	0.00	0.00	0.91	0.91
2009	Incidental	ngf.	Other ngf.	Blue shark	1.76	0.00	0.00	1.76	1.76
2009	Incidental	ngf.	Other ngf.	Bluefin tuna	414.91	0.00	0.00	414.91	414.91
2009	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	28.49	0.00	0.00	28.49	28.49
2009	Incidental	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Brown cat shark	0.76	0.00	0.00	0.76	0.76
2009	Incidental	ngf.	Other ngf.	Butter clam	12.21	0.00	0.00	12.21	12.21
2009	Incidental	ngf.	Other ngf.	CA barracuda	47.79	0.00	0.00	47.79	47.79
2009	Incidental	ngf.	Other ngf.	CA mussel	0.25	0.00	0.00	0.25	0.25
2009	Incidental	ngf.	Other ngf.	CA sheephead	0.12	0.00	0.00	0.12	0.12
2009	Incidental	ngf.	Other ngf.	CA spiny lobster	314.98	0.00	0.00	314.98	314.98
2009	Incidental	ngf.	Other ngf.	Clam, unid.	0.36	0.00	0.00	0.36	0.36
2009	Incidental	ngf.	Other ngf.	Common thresher shark	106.55	0.00	0.00	106.55	106.55
2009	Incidental	ngf.	Other ngf.	Crab, unid.	39.73	0.00	0.00	39.73	39.73
2009	Incidental	ngf.	Other ngf.	Croaker, unid.	0.02	0.00	0.00	0.02	0.02
2009	Incidental	ngf.	Other ngf.	Dorado	0.13	0.00	0.00	0.13	0.13
2009	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.32	0.00	0.00	0.32	0.32
2009	Incidental	ngf.	Other ngf.	Eel, unid.	1.97	0.00	0.00	1.97	1.97
2009	Incidental	ngf.	Other ngf.	Filetail cat shark	1.37	0.00	0.00	1.37	1.37
2009	Incidental	ngf.	Other ngf.	Gaper clam	2.52	0.00	0.00	2.52	2.52
2009	Incidental	ngf.	Other ngf.	Ghost shrimp	25.96	0.00	0.00	25.96	25.96
2009	Incidental	ngf.	Other ngf.	Giant sea bass	3.11	0.00	0.00	3.11	3.11
2009	Incidental	ngf.	Other ngf.	Hagfish, unid.	1720.26	0.00	0.00	1720.26	1720.26
2009	Incidental	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Jack mackerel	120.68	0.00	0.00	120.68	120.68
2009	Incidental	ngf.	Other ngf.	King crab, unid.	0.29	0.00	0.00	0.29	0.29
2009	Incidental	ngf.	Other ngf.	Longnose cat shark	0.01	0.00	0.00	0.01	0.01
2009	Incidental	ngf.	Other ngf.	Mackerel, unid.	4.68	0.00	0.00	4.68	4.68
2009	Incidental	ngf.	Other ngf.	Market squid	93102.48	0.00	0.00	93102.48	93102.48
2009	Incidental	ngf.	Other ngf.	Mixed species	84.58	0.00	0.00	84.58	84.58

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Incidental	ngf.	Other ngf.	Mollusc, unid.	78.20	0.00	0.00	78.20	78.20
2009	Incidental	ngf.	Other ngf.	Mud shrimp	1.39	0.00	0.00	1.39	1.39
2009	Incidental	ngf.	Other ngf.	Native littleneck clam	0.01	0.00	0.00	0.01	0.01
2009	Incidental	ngf.	Other ngf.	Northern anchovy	3491.69	0.00	0.00	3491.69	3491.69
2009	Incidental	ngf.	Other ngf.	Octopus, unid.	1.71	0.00	0.00	1.71	1.71
2009	Incidental	ngf.	Other ngf.	Pacific angel shark	10.11	0.00	0.00	10.11	10.11
2009	Incidental	ngf.	Other ngf.	Pacific bonito	2132.90	0.00	0.00	2132.90	2132.90
2009	Incidental	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Pacific herring	544.56	0.00	0.00	544.56	544.56
2009	Incidental	ngf.	Other ngf.	Pacific mackerel	5132.36	0.00	0.00	5132.36	5132.36
2009	Incidental	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Pacific sardine	66050.67	0.00	0.00	66050.67	66050.67
2009	Incidental	ngf.	Other ngf.	Pacific sleeper shark	0.01	0.00	0.00	0.01	0.01
2009	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.03	0.00	0.00	0.03	0.03
2009	Incidental	ngf.	Other ngf.	Pink shrimp	0.02	0.00	0.00	0.02	0.02
2009	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.07	0.00	0.00	0.07	0.07
2009	Incidental	ngf.	Other ngf.	Razor clam	150.59	0.00	0.00	150.59	150.59
2009	Incidental	ngf.	Other ngf.	Red rock crab	555.57	0.00	0.00	555.57	555.57
2009	Incidental	ngf.	Other ngf.	Red urchin	5875.27	0.00	0.00	5875.27	5875.27
2009	Incidental	ngf.	Other ngf.	Ridgeback prawn	7.19	0.00	0.00	7.19	7.19
2009	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.80	0.00	0.00	1.80	1.80
2009	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	146.66	0.00	0.00	146.66	146.66
2009	Incidental	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Shark, unid.	3.68	0.00	0.00	3.68	3.68
2009	Incidental	ngf.	Other ngf.	Shrimp, unid.	58.61	0.00	0.00	58.61	58.61
2009	Incidental	ngf.	Other ngf.	Skate, unid.	17.95	0.00	0.00	17.95	17.95
2009	Incidental	ngf.	Other ngf.	Skipjack tuna	4.94	0.00	0.00	4.94	4.94
2009	Incidental	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Other ngf.	Spot prawn	173.17	0.00	0.00	173.17	173.17
2009	Incidental	ngf.	Other ngf.	Squid, unid.	35.03	0.00	0.00	35.03	35.03
2009	Incidental	ngf.	Other ngf.	Surfperch, unid.	9.56	0.00	0.00	9.56	9.56
2009	Incidental	ngf.	Other ngf.	Swordfish	407.95	0.00	0.00	407.95	407.95
2009	Incidental	ngf.	Other ngf.	Urchin, unid.	0.63	0.00	0.00	0.63	0.63
2009	Incidental	ngf.	Other ngf.	White croaker	36.55	0.00	0.00	36.55	36.55
2009	Incidental	ngf.	Other ngf.	White sea bass	187.47	0.00	0.00	187.47	187.47
2009	Incidental	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2009	Incidental	ngf.	Other ngf.	Yellowfin tuna	22.59	0.00	0.00	22.59	22.59

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Incidental	ngf.	Other ngf.	Yellowtail amberjack	3.82	0.00	0.00	3.82	3.82
2009	Incidental	ngf.	Shared ECS	Smelt, unid.	128.80	0.00	0.00	128.80	128.80
2009	Incidental	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	0.02	0.00	0.00	0.02	0.02
2009	LE CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.00	0.00	0.05	0.05
2009	LE CA Halibut	gf.	Big skate	Big skate	0.29	5.00	2.50	5.29	2.79
2009	LE CA Halibut	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2009	LE CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	9.68	0.00	0.00	9.68	9.68
2009	LE CA Halibut	gf.	Dover sole	Dover sole	35.30	0.00	0.00	35.30	35.30
2009	LE CA Halibut	gf.	ECS	CA skate	0.00	1.73	1.73	1.73	1.73
2009	LE CA Halibut	gf.	ECS	Soupfin shark	0.29	0.00	0.00	0.29	0.29
2009	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2009	LE CA Halibut	gf.	English sole	English sole	2.51	0.08	0.08	2.59	2.59
2009	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.25	0.01	0.00	0.26	0.25
2009	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2009	LE CA Halibut	gf.	LST (N of 34°27')	LST	2.84	0.00	0.00	2.84	2.84
2009	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2009	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2009	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2009	LE CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.03	0.00	0.00	0.03	0.03
2009	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2009	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.26	0.00	0.00	0.26	0.26
2009	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.16	0.00	0.00	0.16	0.16
2009	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.03	0.00	0.00	0.03	0.03
2009	LE CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.06	0.22	0.22	0.29	0.29
2009	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	4.13	0.04	0.04	4.17	4.17
2009	LE CA Halibut	gf.	Other flatfish	Rex sole	1.39	0.00	0.00	1.39	1.39
2009	LE CA Halibut	gf.	Other flatfish	Rock sole	1.87	0.00	0.00	1.87	1.87
2009	LE CA Halibut	gf.	Other flatfish	Sand sole	2.61	0.30	0.30	2.91	2.91
2009	LE CA Halibut	gf.	Other gf.	Leopard shark	0.35	0.39	0.39	0.74	0.74
2009	LE CA Halibut	gf.	Petrale sole	Petrale sole	14.99	0.00	0.00	14.99	14.99
2009	LE CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	10.86	0.00	0.00	10.86	10.86
2009	LE CA Halibut	gf.	SST (N of 34°27')	SST	3.25	0.00	0.00	3.25	3.25
2009	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.90	1.90	1.90	1.90
2009	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.48	0.00	0.00	0.48	0.48
2009	LE CA Halibut	gf.	Starry flounder	Starry flounder	11.53	0.78	0.78	12.31	12.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE CA Halibut	gf.	Widow rf.	Widow rf.	0.13	0.00	0.00	0.13	0.13
2009	LE CA Halibut	ngf.	CA halibut	CA halibut	47.20	3.54	3.54	50.74	50.74
2009	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	156.18	156.18	156.18	156.18
2009	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.01	0.01	0.01	0.01
2009	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.01	0.01	0.01	0.01
2009	LE CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.02	0.02	0.02	0.02
2009	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.07	0.07	0.07	0.07
2009	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	5.04	5.04	5.04	5.04
2009	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.35	0.35	0.35	0.35
2009	LE CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.04	0.04	0.04	0.04
2009	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	113.13	113.13	113.13	113.13
2009	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.43	0.43	0.43	0.43
2009	LE CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.02	0.02	0.02	0.02
2009	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.27	0.27	0.27	0.27
2009	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.16	0.16	0.16	0.16
2009	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.13	0.00	0.00	0.13	0.13
2009	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	0.63	0.00	0.00	0.63	0.63
2009	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	1.42	1.42	1.42	1.42
2009	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.05	0.05	0.05	0.05
2009	LE CA Halibut	ngf.	Other ngf.	White croaker	0.06	0.04	0.04	0.10	0.10
2009	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.10	0.00	0.00	0.10	0.10
2009	LE CA Halibut	ngf.	Shared ECS	Longfin smelt	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.53	0.00	0.00	0.53	0.53
2009	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.05	0.00	0.00	0.05	0.05
2009	LE FG DTL – H&L	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.03	0.00	0.00	0.03	0.03
2009	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.04	0.04	0.04	0.04
2009	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.98	0.00	0.00	2.98	2.98
2009	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.73	3.71	3.71	4.44	4.44
2009	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	1.55	1.55	1.55	1.55
2009	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – H&L	gf.	ECS	CA skate	0.00	0.01	0.01	0.01	0.01
2009	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	0.09	0.09	0.09	0.09
2009	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	2.29	2.29	2.29	2.29
2009	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	15.12	1.54	1.54	16.66	16.66
2009	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.41	0.41	0.41	0.41
2009	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	3.39	3.39	3.39	3.39

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.65	0.65	0.65	0.65
2009	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.71	0.00	0.00	0.71	0.71
2009	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.05	0.00	0.00	0.05	0.05
2009	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	3.39	58.50	29.25	61.90	32.64
2009	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	0.67	0.09	0.09	0.76	0.76
2009	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	17.98	4.38	4.38	22.37	22.37
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.07	0.00	0.00	0.07	0.07
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.03	0.00	0.00	0.03	0.03
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.10	0.00	0.00	0.10	0.10
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.20	0.00	0.00	0.20	0.20
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.58	0.00	0.00	1.58	1.58
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	9.96	0.00	0.00	9.96	9.96
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.12	0.00	0.00	0.12	0.12
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.85	0.00	0.00	0.85	0.85
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.08	0.00	0.00	0.08	0.08
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	2.08	0.01	0.01	2.09	2.09
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.08	0.00	0.00	0.08	0.08
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	44.54	0.01	0.01	44.55	44.55
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.09	0.00	0.00	0.09	0.09
2009	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.23	1.70	1.70	1.93	1.93

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02
2009	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.03	0.00	0.00	0.03	0.03
2009	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.38	0.48	0.48	0.87	0.87
2009	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.14	0.00	0.00	0.14	0.14
2009	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.05	0.03	0.03	0.08	0.08
2009	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	289.59	64.48	12.90	354.07	302.49
2009	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	192.35	13.97	2.79	206.31	195.14
2009	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	15.61	0.27	0.27	15.88	15.88
2009	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	147.22	13.84	13.84	161.06	161.06
2009	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	8.92	15.74	7.87	24.66	16.79
2009	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.29	0.00	0.00	0.29	0.29
2009	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.17	0.17	0.17	0.17
2009	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.02	11.56	11.56	11.58	11.58
2009	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.39	0.00	0.00	0.39	0.39
2009	LE FG DTL – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.78	1.78	1.78	1.78
2009	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.03	0.00	0.00	0.03	0.03
2009	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	9.98	9.98	9.98	9.98
2009	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.06	0.06	0.06	0.06
2009	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.37	0.37	0.37	0.37
2009	LE FG DTL – H&L	ngf.	Other ngf.	Hair crab	0.00	0.03	0.03	0.03	0.03
2009	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	4.97	4.97	4.97	4.97
2009	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.04	0.04	0.04	0.04
2009	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.07	0.13	0.13	0.20	0.20
2009	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.51	0.51	0.51	0.51
2009	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	0.24	0.04	0.24	0.04
2009	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.14	0.00	0.00	0.14	0.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.37	0.37	0.37	0.37
2009	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.22	0.22	0.22	0.22
2009	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.01	0.01	0.01	0.01
2009	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.21	0.21	0.21	0.21
2009	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.22	0.22	0.22	0.22
2009	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.00	39.28	39.28	39.28	39.28
2009	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	4.06	0.02	0.02	4.07	4.07
2009	LE FG DTL – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.00	0.74	0.74	0.74	0.74
2009	LE FG DTL – H&L	ngf.	Other ngf.	Swordfish	0.08	0.00	0.00	0.08	0.08
2009	LE FG DTL – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2009	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.49	0.49	0.49	0.49
2009	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2009	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.15	0.00	0.00	0.15	0.15
2009	LE FG DTL – Pot	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.32	0.00	0.00	0.32	0.32
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Mixed thornyheads	SST/LST	0.02	0.00	0.00	0.02	0.02
2009	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	5.92	0.58	0.12	6.50	6.04
2009	LE FG DTL – Pot	gf.	Sablefish (S of 36°)	Sablefish	1.36	0.62	0.12	1.98	1.48
2009	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.54	0.00	0.00	0.55	0.55

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE FG DTL – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.02	0.00	0.00	0.02	0.02
2009	LE FG DTL – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2009	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Red rock crab	0.02	0.00	0.00	0.02	0.02
2009	LE FG DTL – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02
2009	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	2.67	51.84	51.84	54.51	54.51
2009	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	5.98	5.98	5.98	5.98
2009	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.16	0.03	0.03	0.19	0.19
2009	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.10	0.00	0.00	0.10	0.10
2009	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.01	0.00	0.00	2.01	2.01
2009	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.52	1.92	1.92	3.45	3.45
2009	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	1.25	1.25	1.25	1.25
2009	LE Sablefish – H&L	gf.	ECS	CA skate	0.00	0.02	0.02	0.02	0.02
2009	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	16.60	16.60	16.60	16.60
2009	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	2.64	1.17	1.17	3.81	3.81
2009	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	1.22	1.22	1.22	1.22
2009	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	17.05	17.05	17.05	17.05
2009	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	1.14	1.14	1.14	1.14
2009	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.50	2.50	2.50	2.50
2009	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	8.25	9.82	0.69	18.07	8.94
2009	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.27	0.00	0.00	0.27	0.27
2009	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	2.58	79.26	39.63	81.84	42.21
2009	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.04	0.13	0.13	0.18	0.18
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.19	0.00	0.00	0.19	0.19
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.24	0.00	0.00	0.24	0.24
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.03	0.00	0.00	0.03	0.03
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.02	0.05	0.05	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.10	0.65	0.65	0.76	0.76
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.04	0.38	0.38	0.42	0.42
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.40	0.00	0.00	0.40	0.40
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.24	0.00	0.00	0.24	0.24
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.02	0.02	0.05	0.05
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.03	0.00	0.00	0.03	0.03
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.82	0.00	0.00	0.82	0.82
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	8.66	0.43	0.43	9.09	9.09
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	49.94	0.14	0.14	50.07	50.07
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.11	1.39	1.39	2.50	2.50
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.33	0.33	0.33	0.33
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.97	0.00	0.00	2.97	2.97
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.00	0.04	0.04	1.04	1.04
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.30	0.04	0.04	0.34	0.34
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.71	0.00	0.00	0.71	0.71
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.11	0.00	0.00	0.11	0.11
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.95	0.00	0.00	0.95	0.95
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	3.06	0.00	0.00	3.06	3.06
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.21	0.00	0.00	0.21	0.21
2009	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2009	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.10	0.31	0.31	1.41	1.41
2009	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.12	0.12	0.12	0.12
2009	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.18	0.04	0.04	0.22	0.22
2009	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.06	0.00	0.00	0.06	0.06
2009	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1436.93	66.18	13.24	1503.11	1450.16
2009	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	4.58	0.00	0.00	4.58	4.58
2009	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	17.62	1.35	1.35	18.96	18.96
2009	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	14.23	134.31	67.15	148.54	81.39
2009	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.78	0.78	0.78	0.78

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.06	0.02	0.02	0.08	0.08
2009	LE Sablefish – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – H&L	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.14	0.14	0.14	0.14
2009	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08
2009	LE Sablefish – H&L	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	31.13	31.13	31.13	31.13
2009	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.73	0.73	0.73	0.73
2009	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.19	0.19	0.19	0.19
2009	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.28	0.28	0.28	0.28
2009	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.06	0.06	0.06	0.06
2009	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.19	0.19	0.19	0.19
2009	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.16	0.16	0.16	0.16
2009	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.03	0.03	0.03	0.03
2009	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	3.19	320.75	51.32	323.93	54.51
2009	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.25	0.25	0.25	0.25
2009	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	1.37	1.37	1.37	1.37
2009	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	1.30	1.30	1.31	1.31
2009	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	18.09	0.17	0.17	18.26	18.26
2009	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.14	0.14	0.14	0.14
2009	LE Sablefish – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2009	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.85	0.85	0.85	0.85
2009	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	1.09	0.29	0.29	1.38	1.38
2009	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.26	0.07	0.07	0.33	0.33
2009	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.58	0.79	0.79	1.37	1.37
2009	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.68	11.45	11.45	14.13	14.13
2009	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.02	0.02	0.06	0.06
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.29	0.82	0.82	1.11	1.11
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.72	0.07	0.07	1.79	1.79
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.37	0.00	0.00	0.37	0.37
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.28	0.00	0.00	0.28	0.28
2009	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.02	0.02
2009	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	489.07	134.05	26.81	623.12	515.88
2009	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.11	0.00	0.00	0.11	0.11
2009	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.83	0.83	0.83	0.83
2009	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.06	0.06	0.06	0.06
2009	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.26	0.26	0.26	0.26
2009	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	0.85	0.15	0.85	0.15
2009	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.10	0.10	0.10	0.10
2009	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.51	0.00	0.00	0.51	0.51
2009	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	7.03	0.00	0.00	7.03	7.03
2009	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.05	0.05	0.05	0.05
2009	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.07	0.07	0.07	0.07
2009	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	3822.76	1463.21	1463.21	5285.97	5285.97
2009	LE Trawl	gf.	Big skate	Big skate	7.00	73.04	36.52	80.05	43.53
2009	LE Trawl	gf.	Black rf. (CA)	Black rf.	0.06	0.00	0.00	0.06	0.06
2009	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.21	0.19	0.19	0.41	0.41
2009	LE Trawl	gf.	Black rf. (WA)	Black rf.	0.00	0.07	0.07	0.07	0.07
2009	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	3.29	15.64	15.64	18.93	18.93
2009	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.04	0.01	0.01	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Trawl	gf.	Canary rf.	Canary rf.	2.94	6.03	6.03	8.97	8.97
2009	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	226.64	63.20	63.20	289.84	289.84
2009	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.42	0.42	0.42	0.42
2009	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	128.80	115.97	115.97	244.77	244.77
2009	LE Trawl	gf.	Dover sole	Dover sole	11575.54	778.69	778.69	12354.23	12354.23
2009	LE Trawl	gf.	ECS	Aleutian skate	0.00	2.74	2.74	2.74	2.74
2009	LE Trawl	gf.	ECS	Black skate	0.07	47.42	47.42	47.48	47.48
2009	LE Trawl	gf.	ECS	CA grenadier	0.00	9.72	9.72	9.72	9.72
2009	LE Trawl	gf.	ECS	CA skate	0.00	3.13	3.13	3.13	3.13
2009	LE Trawl	gf.	ECS	Deepsea skate	0.00	0.90	0.90	0.90	0.90
2009	LE Trawl	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	ECS	Giant grenadier	0.00	222.64	222.64	222.64	222.64
2009	LE Trawl	gf.	ECS	Grenadier, unid.	91.73	5.11	5.11	96.83	96.83
2009	LE Trawl	gf.	ECS	Pacific flatnose	0.00	11.10	11.10	11.10	11.10
2009	LE Trawl	gf.	ECS	Pacific grenadier	0.00	111.46	111.46	111.46	111.46
2009	LE Trawl	gf.	ECS	Popeye grenadier	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	gf.	ECS	Sandpaper skate	0.00	85.08	85.08	85.08	85.08
2009	LE Trawl	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	ECS	Soupfin shark	0.24	0.00	0.00	0.24	0.24
2009	LE Trawl	gf.	ECS	Spotted ratfish	0.00	142.91	142.91	142.91	142.91
2009	LE Trawl	gf.	English sole	English sole	263.13	139.99	139.99	403.12	403.12
2009	LE Trawl	gf.	Groundfish unid	Groundfish, unid.	0.01	0.00	0.00	0.01	0.01
2009	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	84.39	101.57	50.78	185.96	135.17
2009	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	23.95	14.12	7.06	38.07	31.01
2009	LE Trawl	gf.	Longnose skate	Longnose skate	792.55	479.25	239.63	1271.80	1032.18
2009	LE Trawl	gf.	LST (N of 34°27')	LST	1142.47	502.10	502.10	1644.56	1644.56
2009	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.02	0.06	0.06	0.08	0.08
2009	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.02	0.00	0.00	0.02	0.02
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.12	0.08	0.08	0.20	0.20
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chameleon rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.40	1.74	1.74	4.14	4.14
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.05	0.02	0.02	0.07	0.07
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	3.19	14.55	14.55	17.74	17.74
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.37	0.55	0.55	0.92	0.92
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.10	3.33	3.33	3.43	3.43
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.10	0.10	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.29	6.69	6.69	6.99	6.99
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.31	0.19	0.19	0.50	0.50
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.06	2.22	2.22	2.28	2.28
2009	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.36	0.00	0.00	0.36	0.36
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.20	0.05	0.05	0.25	0.25
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.14	1.16	1.16	1.30	1.30
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.12	0.12	0.12	0.12
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.19	0.19	0.20	0.20
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	9.78	9.78	9.78	9.78
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2009	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.46	0.00	0.00	0.46	0.46
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	11.14	35.18	35.18	46.32	46.32
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	1.00	0.01	0.01	1.01	1.01
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.94	1.68	1.68	4.62	4.62
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.61	5.32	5.32	8.93	8.93
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	66.04	45.15	45.15	111.19	111.19
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.27	5.21	5.21	6.48	6.48
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	15.97	6.62	6.62	22.60	22.60
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.56	0.56	0.56	0.56
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.65	40.51	40.51	41.15	41.15
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	8.34	63.73	63.73	72.07	72.07
2009	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.35	0.08	0.08	2.43	2.43
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	5.36	3.68	3.68	9.04	9.04
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	57.42	0.07	0.07	57.49	57.49
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	53.83	0.12	0.12	53.96	53.96
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	2.02	0.27	0.27	2.29	2.29
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	4.44	4.44	4.44	4.44
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	3.32	0.01	0.01	3.33	3.33
2009	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.05	6.30	6.30	6.35	6.35
2009	LE Trawl	gf.	Mixed thornyheads	SST/LST	0.95	52.67	52.67	53.62	53.62
2009	LE Trawl	gf.	Other flatfish	Butter sole	0.15	1.39	1.39	1.54	1.54

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Trawl	gf.	Other flatfish	Curlfin sole	0.19	0.99	0.99	1.18	1.18
2009	LE Trawl	gf.	Other flatfish	Flatfish, unid.	1.32	10.89	10.89	12.20	12.20
2009	LE Trawl	gf.	Other flatfish	Flathead sole	2.10	1.83	1.83	3.93	3.93
2009	LE Trawl	gf.	Other flatfish	Pacific sanddab	269.74	405.23	405.23	674.96	674.96
2009	LE Trawl	gf.	Other flatfish	Rex sole	531.06	140.73	140.73	671.79	671.79
2009	LE Trawl	gf.	Other flatfish	Rock sole	1.12	1.10	1.10	2.22	2.22
2009	LE Trawl	gf.	Other flatfish	Sand sole	48.50	1.43	1.43	49.92	49.92
2009	LE Trawl	gf.	Other flatfish	Sanddab, unid.	18.74	7.70	7.70	26.44	26.44
2009	LE Trawl	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	gf.	Other rf.	Rockfish, unid.	2.05	0.00	0.00	2.05	2.05
2009	LE Trawl	gf.	Pacific cod	Pacific cod	87.10	5.47	5.47	92.57	92.57
2009	LE Trawl	gf.	Pacific hake	Pacific hake	0.34	902.43	902.43	902.77	902.77
2009	LE Trawl	gf.	POP (N of 40°10')	POP	74.51	68.62	68.62	143.12	143.12
2009	LE Trawl	gf.	Petrale sole	Petrale sole	1681.62	209.46	209.46	1891.07	1891.07
2009	LE Trawl	gf.	Roundfish unid	Roundfish, unid.	0.00	0.29	0.29	0.29	0.29
2009	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2979.01	322.42	161.21	3301.43	3140.22
2009	LE Trawl	gf.	Sablefish (S of 36°)	Sablefish	19.55	0.04	0.02	19.59	19.57
2009	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.00	7.43	7.43	7.43	7.43
2009	LE Trawl	gf.	SST (N of 34°27')	SST	1309.35	122.88	122.88	1432.23	1432.23
2009	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	78.45	521.31	521.31	599.76	599.76
2009	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	48.42	138.00	138.00	186.41	186.41
2009	LE Trawl	gf.	Starry flounder	Starry flounder	6.07	2.18	2.18	8.25	8.25
2009	LE Trawl	gf.	Widow rf.	Widow rf.	4.03	20.93	20.93	24.96	24.96
2009	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.09	0.02	0.02	0.11	0.11
2009	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	11.44	9.99	9.99	21.43	21.43
2009	LE Trawl	ngf.	CA halibut	CA halibut	1.14	0.04	0.04	1.18	1.18
2009	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.02	182.05	182.05	182.07	182.07
2009	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	0.00	39.21	39.21	39.21	39.21
2009	LE Trawl	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.00	34.52	34.52	34.52	34.52
2009	LE Trawl	ngf.	Other ngf.	American shad	0.00	2.26	2.26	2.26	2.26
2009	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	71.67	71.67	71.67	71.67
2009	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	0.34	0.34	0.34	0.34
2009	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Trawl	ngf.	Other ngf.	Bait shrimp, unid.	0.07	0.00	0.00	0.07	0.07
2009	LE Trawl	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	2.00	2.00	2.00	2.00
2009	LE Trawl	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Black coral	0.00	1.64	1.64	1.64	1.64
2009	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.05	0.05	0.05	0.05
2009	LE Trawl	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Blackedge poacher	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	0.35	0.35	0.35	0.35
2009	LE Trawl	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.02	0.00	0.00	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	2.83	2.83	2.83	2.83
2009	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	81.23	81.23	81.23	81.23
2009	LE Trawl	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.04	0.04	0.04	0.04
2009	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.06	0.06	0.06	0.06
2009	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	34.39	34.39	34.39	34.39
2009	LE Trawl	ngf.	Other ngf.	CA tonguefish	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	0.90	0.90	0.90	0.90
2009	LE Trawl	ngf.	Other ngf.	Common thresher shark	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Crab, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	38.87	38.87	38.87	38.87
2009	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	0.69	0.69	0.69	0.69
2009	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	1.81	1.81	1.81	1.81
2009	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.05	0.05	0.05	0.05
2009	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.29	0.29	0.29	0.29
2009	LE Trawl	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.09	0.09	0.09	0.09
2009	LE Trawl	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.05	0.05	0.05	0.05
2009	LE Trawl	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	79.05	79.05	79.05	79.05
2009	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	0.87	0.87	0.87	0.87
2009	LE Trawl	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.05	0.05	0.05	0.05
2009	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	3.23	3.23	3.23	3.23
2009	LE Trawl	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.49	0.49	0.49	0.49
2009	LE Trawl	ngf.	Other ngf.	King of the salmon	0.00	0.08	0.08	0.08	0.08
2009	LE Trawl	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.20	0.20	0.20	0.20
2009	LE Trawl	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	2.20	2.20	2.20	2.20
2009	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.09	0.09	0.09	0.09
2009	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.20	0.20	0.20	0.20
2009	LE Trawl	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Market squid	0.26	0.00	0.00	0.26	0.26
2009	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	1.55	1.55	1.55	1.55
2009	LE Trawl	ngf.	Other ngf.	Mixed species	6.12	0.00	0.00	6.12	6.12
2009	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.25	0.25	0.25	0.25
2009	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.42	0.42	0.42	0.42
2009	LE Trawl	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.19	0.19	0.19	0.19
2009	LE Trawl	ngf.	Other ngf.	Octopus, unid.	2.49	6.50	6.50	9.00	9.00
2009	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	2.24	2.24	2.24	2.24
2009	LE Trawl	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Pacific mackerel	0.00	0.09	0.09	0.09	0.09
2009	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.00	0.33	0.33	0.33	0.33
2009	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	5.45	5.45	5.45	5.45
2009	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.17	0.17	0.17	0.17
2009	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.10	0.10	0.10	0.10
2009	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.06	0.06	0.06	0.06
2009	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.18	0.18	0.18	0.18

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2009	LE Trawl	ngf.	Other ngf.	Prickleback, unid.	0.00	0.06	0.06	0.06	0.06
2009	LE Trawl	ngf.	Other ngf.	Prowfish	0.00	0.06	0.06	0.06	0.06
2009	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	0.19	0.19	0.19	0.19
2009	LE Trawl	ngf.	Other ngf.	Ray, unid.	0.00	0.09	0.09	0.09	0.09
2009	LE Trawl	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.38	0.38	0.38	0.38
2009	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	2.30	2.30	2.30	2.30
2009	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.87	1.87	1.87	1.87
2009	LE Trawl	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.04	0.04	0.04	0.04
2009	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	1.08	1.08	1.08	1.08
2009	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	35.97	35.97	35.97	35.97
2009	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.20	0.20	0.20	0.20
2009	LE Trawl	ngf.	Other ngf.	Sevengill shark	0.00	0.06	0.06	0.06	0.06
2009	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.04	11.39	11.39	11.42	11.42
2009	LE Trawl	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.00	0.19	0.19	0.19	0.19
2009	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.33	0.33	0.33	0.33
2009	LE Trawl	ngf.	Other ngf.	Skate, unid.	470.74	2.00	2.00	472.74	472.74
2009	LE Trawl	ngf.	Other ngf.	Slender codling	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	1.90	1.90	1.90	1.90
2009	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	7.95	7.95	7.95	7.95
2009	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.10	0.10	0.10	0.10
2009	LE Trawl	ngf.	Other ngf.	Specklefin midshipman	0.00	0.09	0.09	0.09	0.09
2009	LE Trawl	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	63.74	63.74	63.74	63.74
2009	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Other ngf.	Squid, unid.	30.11	78.25	78.25	108.36	108.36
2009	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.11	0.11	0.11	0.11
2009	LE Trawl	ngf.	Other ngf.	Stony coral	0.00	0.07	0.07	0.07	0.07
2009	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.07	0.07	0.07	0.07
2009	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.11	0.11	0.11	0.11

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2009	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	2.19	2.19	2.19	2.19
2009	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.12	0.12	0.12	0.12
2009	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	3.63	3.63	3.63	3.63
2009	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	18.68	18.68	18.68	18.68
2009	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Walleye pollock	0.00	0.81	0.81	0.81	0.81
2009	LE Trawl	ngf.	Other ngf.	White croaker	0.62	0.04	0.04	0.66	0.66
2009	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.06	0.13	0.13	0.20	0.20
2009	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2009	LE Trawl	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Shared ECS	Capelin	0.00	0.03	0.03	0.03	0.03
2009	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.05	0.05	0.05	0.05
2009	LE Trawl	ngf.	Shared ECS	Pacific sandlance	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Shared ECS	Pacific saury	0.00	0.02	0.02	0.02	0.02
2009	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2009	LE Trawl	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.10	0.10	0.10	0.10
2009	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	47.65	47.65	47.65	47.65
2009	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	518.74	518.74	518.74	518.74
2009	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Black rf. (CA)	Black rf.	90.97	2.59	1.14	93.56	92.11
2009	Nearshore	gf.	Black rf. (OR)	Black rf.	133.18	9.70	2.15	142.88	135.33
2009	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.84	0.00	0.00	0.84	0.84
2009	Nearshore	gf.	Cabezon (CA)	Cabezon	18.39	3.47	0.24	21.86	18.64
2009	Nearshore	gf.	Cabezon (OR)	Cabezon	29.77	7.63	0.53	37.40	30.30
2009	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.98	1.20	0.08	4.18	3.06
2009	Nearshore	gf.	Canary rf.	Canary rf.	0.00	8.09	4.31	8.09	4.31
2009	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2009	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.13	0.00	0.00	0.13	0.13
2009	Nearshore	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	ECS	Soupfin shark	0.38	0.00	0.00	0.38	0.38
2009	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.19	0.01	0.19	0.01
2009	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	29.48	24.34	1.70	53.82	31.19
2009	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	14.05	23.53	1.65	37.59	15.70
2009	Nearshore	gf.	Longnose skate	Longnose skate	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	8.34	6.23	2.23	14.58	10.57
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.18	0.00	0.00	0.18	0.18
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	8.53	0.67	0.18	9.20	8.71
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.78	0.04	0.02	1.82	1.80
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.08	0.00	0.00	0.08	0.08
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.32	0.00	0.00	0.32	0.32
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.67	0.05	0.02	0.72	0.70
2009	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.53	0.15	0.06	2.68	2.59
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	12.78	0.59	0.32	13.37	13.10
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	2.95	1.80	1.12	4.75	4.07
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	24.40	1.46	0.83	25.86	25.23
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.04	0.02	0.04	0.02
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.96	1.90	1.21	3.87	3.17
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	3.93	0.04	0.03	3.97	3.95
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	22.61	7.75	5.06	30.36	27.66
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	13.11	0.00	0.00	13.11	13.11
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	1.08	0.00	0.00	1.08	1.08
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.37	0.00	0.00	0.37	0.37
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.24	0.44	0.30	1.68	1.54
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.32	0.02	0.01	0.34	0.33
2009	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.44	0.03	0.03	1.47	1.46
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.12	0.00	0.00	0.12	0.12
2009	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	5.48	0.15	0.05	5.63	5.53
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.04	0.00	0.00	0.04	0.04
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.03	0.03	0.03	0.03
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.04	0.00	0.00	0.04	0.04
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.15	0.00	0.00	0.15	0.15
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.97	0.00	0.00	0.97	0.97

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.03	0.00	0.00	0.03	0.03
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.09	0.00	0.00	0.09	0.09
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	5.91	0.19	0.11	6.10	6.02
2009	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.35	0.00	0.00	0.35	0.35
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.44	0.00	0.00	2.44	2.44
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Mixed thornyheads	SST/LST	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	gf.	Other flatfish	Pacific sanddab	0.71	0.06	0.00	0.76	0.71
2009	Nearshore	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Other flatfish	Rock sole	0.03	0.02	0.00	0.06	0.04
2009	Nearshore	gf.	Other flatfish	Sand sole	0.01	0.10	0.01	0.11	0.01
2009	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.43	9.20	0.64	10.64	2.08
2009	Nearshore	gf.	Other gf.	Kelp greenling (OR)	20.57	6.87	0.48	27.44	21.05
2009	Nearshore	gf.	Other gf.	Leopard shark	0.13	0.27	0.02	0.40	0.15
2009	Nearshore	gf.	Other rf.	Rockfish, unid.	0.31	0.00	0.00	0.31	0.31
2009	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	2.36	0.00	0.00	2.36	2.36
2009	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	3.67	0.00	0.00	3.67	3.67
2009	Nearshore	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	gf.	SST (N of 34°27')	SST	0.05	0.00	0.00	0.05	0.05
2009	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.03	6.97	0.49	7.00	0.51
2009	Nearshore	gf.	Starry flounder	Starry flounder	0.05	0.00	0.00	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Nearshore	gf.	Widow rf.	Widow rf.	0.01	0.01	0.00	0.02	0.02
2009	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.02	0.90	0.40	0.92	0.42
2009	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.73	0.44	0.11	1.17	0.83
2009	Nearshore	ngf.	CA halibut	CA halibut	1.21	2.24	2.24	3.46	3.46
2009	Nearshore	ngf.	Dungeness crab	Dungeness crab	3.03	2.61	2.61	5.64	5.64
2009	Nearshore	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.11	0.11	0.11	0.11
2009	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	0.25	0.25	0.25	0.25
2009	Nearshore	ngf.	Other ngf.	Bass, unid.	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	ngf.	Other ngf.	Bat ray	0.07	1.71	1.71	1.78	1.78
2009	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	0.18	0.18	0.18	0.18
2009	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.41	0.00	0.00	0.41	0.41
2009	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.60	0.60	0.60	0.60
2009	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.14	0.14	0.14	0.14
2009	Nearshore	ngf.	Other ngf.	CA barracuda	0.25	0.00	0.00	0.25	0.25
2009	Nearshore	ngf.	Other ngf.	CA sheephead	32.68	1.31	1.31	33.99	33.99
2009	Nearshore	ngf.	Other ngf.	CA spiny lobster	5.38	0.00	0.00	5.38	5.38
2009	Nearshore	ngf.	Other ngf.	Crab, unid.	1.95	0.00	0.00	1.95	1.95
2009	Nearshore	ngf.	Other ngf.	Eel, unid.	0.10	0.00	0.00	0.10	0.10
2009	Nearshore	ngf.	Other ngf.	Giant kelpfish	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.09	0.09	0.09	0.09
2009	Nearshore	ngf.	Other ngf.	Heart crab	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.45	0.45	0.45	0.45
2009	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2009	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	1.04	1.04	1.04	1.04
2009	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Mixed species	1.07	0.00	0.00	1.07	1.07
2009	Nearshore	ngf.	Other ngf.	Mollusc, unid.	9.31	0.00	0.00	9.31	9.31
2009	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.04	0.00	0.00	0.04	0.04
2009	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.09	0.09	0.09	0.09
2009	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.13	0.43	0.43	0.56	0.56
2009	Nearshore	ngf.	Other ngf.	Pacific bonito	0.03	0.00	0.00	0.03	0.03
2009	Nearshore	ngf.	Other ngf.	PHLB	0.00	1.28	1.28	1.28	1.28
2009	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.11	0.11	0.11	0.11
2009	Nearshore	ngf.	Other ngf.	Pacific sardine	0.01	0.07	0.07	0.08	0.08
2009	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.04	0.04	0.04	0.04
2009	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Nearshore	ngf.	Other ngf.	Red rock crab	24.64	0.72	0.72	25.36	25.36
2009	Nearshore	ngf.	Other ngf.	Rock greenling	0.01	0.00	0.00	0.01	0.01
2009	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.03	5.71	5.71	5.74	5.74
2009	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.14	0.14	0.14	0.14
2009	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2009	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	31.57	31.57	31.57	31.57
2009	Nearshore	ngf.	Other ngf.	Shark, unid.	0.36	0.13	0.13	0.50	0.50
2009	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.11	0.00	0.00	0.11	0.11
2009	Nearshore	ngf.	Other ngf.	Skate, unid.	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2009	Nearshore	ngf.	Other ngf.	Spot prawn	0.98	0.00	0.00	0.98	0.98
2009	Nearshore	ngf.	Other ngf.	Squid, unid.	0.00	0.08	0.08	0.08	0.08
2009	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.01	0.01	0.01	0.01
2009	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.15	0.03	0.03	0.18	0.18
2009	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.70	0.70	0.70	0.70
2009	Nearshore	ngf.	Other ngf.	White croaker	0.18	0.04	0.04	0.22	0.22
2009	Nearshore	ngf.	Other ngf.	Wolf-eel	0.01	2.14	2.14	2.15	2.15
2009	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.02	0.00	0.00	0.02	0.02
2009	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.02	0.02	0.02	0.02
2009	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	gf.	Big skate	Big skate	0.00	16.91	8.45	16.91	8.45
2009	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2009	OA CA Halibut	gf.	ECS	CA skate	0.00	5.69	5.69	5.69	5.69
2009	OA CA Halibut	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2009	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	3.15	3.15	3.15	3.15
2009	OA CA Halibut	gf.	English sole	English sole	0.01	0.43	0.43	0.44	0.44
2009	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.00	0.00	0.02	0.02
2009	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.01	0.14	0.14	0.15	0.15
2009	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	1.21	0.00	0.00	1.21	1.21
2009	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.03	0.18	0.18	0.21	0.21
2009	OA CA Halibut	gf.	Other flatfish	Rock sole	0.04	0.00	0.00	0.04	0.04
2009	OA CA Halibut	gf.	Other flatfish	Sand sole	1.32	0.00	0.00	1.32	1.32
2009	OA CA Halibut	gf.	Other gf.	Leopard shark	0.01	0.83	0.83	0.84	0.84
2009	OA CA Halibut	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.05	0.00	0.00	0.05	0.05
2009	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.25	1.25	1.25	1.25

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA CA Halibut	gf.	Starry flounder	Starry flounder	3.26	0.00	0.00	3.26	3.26
2009	OA CA Halibut	ngf.	CA halibut	CA halibut	82.36	3.45	3.45	85.82	85.82
2009	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.21	0.00	0.00	0.21	0.21
2009	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.09	0.85	0.85	0.94	0.94
2009	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	1.43	1.43	1.43	1.43
2009	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.19	0.19	0.19	0.19
2009	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	5.83	5.83	5.83	5.83
2009	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.11	0.11	0.11	0.11
2009	OA CA Halibut	ngf.	Other ngf.	CA king crab	0.00	0.27	0.27	0.27	0.27
2009	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.13	0.13	0.13	0.13
2009	OA CA Halibut	ngf.	Other ngf.	Combfish, unid.	0.00	0.04	0.04	0.04	0.04
2009	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.35	0.00	0.00	0.35	0.35
2009	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2009	OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.02	0.02	0.02	0.02
2009	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.26	0.26	0.26	0.26
2009	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.28	0.28	0.28	0.28
2009	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	5.26	5.26	5.26	5.26
2009	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2009	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.98	0.98	0.98	0.98
2009	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	1.63	1.50	1.50	3.13	3.13
2009	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	21.27	21.27	21.27	21.27
2009	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.05	0.05	0.05	0.05
2009	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2009	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.03	0.03	0.03	0.03
2009	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.11	0.11	0.11	0.11
2009	OA CA Halibut	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01
2009	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.01	0.28	0.28	0.29	0.29
2009	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.02	0.00	0.00	0.02	0.02
2009	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	3.91	3.91	3.91	3.91
2009	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.04	0.00	0.00	0.04	0.04
2009	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.30	0.30	0.30	0.30
2009	OA CA Halibut	ngf.	Other ngf.	Shortspine combfish	0.00	0.01	0.01	0.01	0.01
2009	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	1.39	1.39	1.39	1.39
2009	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.03	0.18	0.18	0.21	0.21
2009	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.52	2.65	2.65	3.17	3.17
2009	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.09	0.09	0.09	0.09
2009	OA CA Halibut	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	1.18	1.18	1.18	1.18
2009	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	2.25	2.25	2.25	2.25
2009	OA CA Halibut	ngf.	Other ngf.	White croaker	0.07	0.13	0.13	0.20	0.20
2009	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.68	0.00	0.00	0.68	0.68
2009	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.27	0.27	0.27	0.27
2009	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.08	17.37	17.37	18.45	18.45
2009	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.15	0.00	0.00	0.15	0.15
2009	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.53	0.00	0.00	1.53	1.53
2009	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.01	0.04	0.04	0.05	0.05
2009	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.52	0.00	0.00	0.52	0.52
2009	OA FG – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.06	0.00	0.00	0.06	0.06
2009	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.90	0.00	0.00	2.90	2.90
2009	OA FG – H&L	gf.	Dover sole	Dover sole	0.62	0.64	0.64	1.25	1.25
2009	OA FG – H&L	gf.	ECS	Black skate	0.00	2.25	2.25	2.25	2.25
2009	OA FG – H&L	gf.	ECS	Deepsea skate	0.00	0.07	0.07	0.07	0.07
2009	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.11	0.11	0.11	0.11
2009	OA FG – H&L	gf.	ECS	Grenadier, unid.	5.59	0.00	0.00	5.59	5.59
2009	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2009	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	0.30	0.30	0.30	0.30
2009	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.25	0.25	0.25	0.25
2009	OA FG – H&L	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08
2009	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.50	0.50	0.50	0.50
2009	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	16.05	1.40	0.10	17.45	16.15
2009	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	1.24	0.00	0.00	1.24	1.24
2009	OA FG – H&L	gf.	Longnose skate	Longnose skate	2.92	35.12	17.56	38.04	20.48
2009	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.01	0.03	0.03	0.05	0.05
2009	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.14	0.22	0.22	0.35	0.35
2009	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.06	0.06	0.06	0.06
2009	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.08	0.08	0.08	0.08
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.23	0.00	0.00	0.23	0.23
2009	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.10	0.00	0.00	0.10	0.10
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.22	0.00	0.00	0.22	0.22
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.05	0.00	0.00	0.05	0.05
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.05	0.00	0.00	0.05	0.05
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.15	0.00	0.00	0.15	0.15
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.63	0.00	0.00	0.63	0.63
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.10	0.00	0.00	0.10	0.10
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.02	0.02	0.02	0.02
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.15	0.00	0.00	0.15	0.15
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.54	0.00	0.00	0.54	0.54
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.07	0.00	0.00	0.07	0.07
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.49	0.00	0.00	0.49	0.49
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	4.55	0.00	0.00	4.55	4.55
2009	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.27	0.00	0.00	0.27	0.27
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.21	0.21	0.23	0.23
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.19	0.08	0.08	0.26	0.26
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.36	0.50	0.50	1.85	1.85
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.20	1.28	1.28	4.48	4.48
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.06	0.00	0.00	0.06	0.06
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.25	0.25	0.25	0.25
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.37	0.05	0.05	1.42	1.42
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.19	0.01	0.01	0.20	0.20
2009	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	4.49	0.04	0.04	4.53	4.53
2009	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.15	0.00	0.00	0.15	0.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	24.21	2.81	2.81	27.02	27.02
2009	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.43	0.00	0.00	0.43	0.43
2009	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.95	0.00	0.00	0.95	0.95
2009	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	1.21	0.00	0.00	1.21	1.21
2009	OA FG – H&L	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	0.32	0.00	0.00	0.32	0.32
2009	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	gf.	Other gf.	Leopard shark	0.34	0.00	0.00	0.34	0.34
2009	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.21	0.00	0.00	1.21	1.21
2009	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2009	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.73	0.73	0.73	0.73
2009	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.13	0.00	0.00	0.13	0.13
2009	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2009	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	314.45	71.30	14.26	385.74	328.71
2009	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	243.87	21.23	4.25	265.10	248.11
2009	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.18	4.76	4.76	4.94	4.94
2009	OA FG – H&L	gf.	SST (S of 34°27')	SST	1.53	1.51	1.51	3.04	3.04
2009	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	5.08	33.26	16.63	38.34	21.71
2009	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.15	0.00	0.00	0.15	0.15
2009	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.25	0.00	0.00	0.25	0.25
2009	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.32	0.32	0.33	0.33
2009	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.06	0.21	0.21	0.28	0.28
2009	OA FG – H&L	ngf.	CA halibut	CA halibut	0.50	0.00	0.00	0.50	0.50
2009	OA FG – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.01	9.40	9.40	9.42	9.42
2009	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.07	0.00	0.00	0.07	0.07
2009	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	2.04	2.04	2.04	2.04
2009	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	CA sheephead	0.03	0.00	0.00	0.03	0.03
2009	OA FG – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.02	0.02	0.02	0.02
2009	OA FG – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	2.44	2.44	2.44	2.44
2009	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.06	0.00	0.00	0.06	0.06
2009	OA FG – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	ngf.	Other ngf.	Eel, unid.	0.18	0.00	0.00	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	18.74	18.74	18.74	18.74
2009	OA FG – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.05	0.05	0.05	0.05
2009	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.04	0.04	0.04	0.04
2009	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.39	0.00	0.00	0.39	0.39
2009	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2009	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	34.99	5.60	34.99	5.60
2009	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.06	0.00	0.00	0.06	0.06
2009	OA FG – H&L	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.82	0.82	0.82	0.82
2009	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.18	0.18	0.18	0.18
2009	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.00	2.26	2.26	2.26	2.26
2009	OA FG – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.31	0.31	0.31	0.31
2009	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	2.98	0.00	0.00	2.98	2.98
2009	OA FG – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2009	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.02	0.00	0.00	0.02	0.02
2009	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.24	0.24	0.24	0.24
2009	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.15	0.10	0.10	0.24	0.24
2009	OA FG – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.00	0.00	0.05	0.05
2009	OA FG – Pot	gf.	Dover sole	Dover sole	0.12	0.27	0.27	0.39	0.39
2009	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.17	0.09	0.09	0.26	0.26
2009	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.63	0.00	0.00	0.63	0.63
2009	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2009	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.05	0.01	0.01	0.06	0.06
2009	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.05	0.00	0.00	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.31	0.03	0.03	0.35	0.35
2009	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	5.14	0.38	0.38	5.52	5.52
2009	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.21	0.21	0.21	0.21
2009	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.06	0.06	0.06	0.06
2009	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.03	0.03	0.04	0.04
2009	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	175.16	13.13	2.63	188.29	177.78
2009	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	190.02	15.49	3.10	205.51	193.12
2009	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.58	0.01	0.01	0.59	0.59
2009	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.06	0.06	0.06	0.06
2009	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.08	0.08	0.08	0.08
2009	OA FG – Pot	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	0.63	0.06	0.06	0.69	0.69
2009	OA FG – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.02	0.02	0.02	0.02
2009	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.20	0.00	0.00	0.20	0.20
2009	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2009	OA FG – Pot	ngf.	Other ngf.	Eel, unid.	0.05	0.00	0.00	0.05	0.05
2009	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2009	OA FG – Pot	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.03	0.07	0.07	0.10	0.10
2009	OA FG – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.03	0.03	0.03	0.03
2009	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.26	0.05	0.26	0.05
2009	OA FG – Pot	ngf.	Other ngf.	Red rock crab	2.74	0.00	0.00	2.74	2.74
2009	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.84	0.84	0.84	0.84
2009	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2009	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2009	OA FG – Pot	ngf.	Other ngf.	Shark, unid.	0.00	1.60	1.60	1.60	1.60
2009	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.06	0.00	0.00	0.06	0.06
2009	OA FG – Pot	ngf.	Other ngf.	Spot prawn	4.22	0.00	0.00	4.22	4.22
2009	OA FG – Pot	ngf.	Other ngf.	Squid, unid.	0.49	0.00	0.00	0.49	0.49
2009	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.07	0.07	0.07	0.07
2009	OA FG – Pot	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.22	0.22	0.22	0.22
2009	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	1.06	0.00	0.00	1.06	1.06
2009	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.00	0.00	0.05	0.05
2009	PHLB Derby	gf.	Dover sole	Dover sole	0.07	0.00	0.00	0.07	0.07
2009	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.31	0.00	0.00	1.31	1.31
2009	PHLB Derby	gf.	Longnose skate	Longnose skate	1.11	0.00	0.00	1.11	1.11
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.29	0.00	0.00	0.29	0.29
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.05	0.00	0.00	0.05	0.05
2009	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.30	0.00	0.00	0.30	0.30
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.72	0.00	0.00	2.72	2.72
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.11	0.00	0.00	0.11	0.11
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Pacific cod	Pacific cod	0.06	0.00	0.00	0.06	0.06
2009	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2009	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	38.32	0.00	0.00	38.32	38.32
2009	PHLB Derby	gf.	SST (N of 34°27')	SST	0.60	0.00	0.00	0.60	0.60
2009	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.59	0.00	0.00	0.59	0.59
2009	PHLB Derby	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2009	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2009	PHLB Derby	ngf.	Other ngf.	Albacore tuna	0.55	0.00	0.00	0.55	0.55
2009	PHLB Derby	ngf.	Other ngf.	Skate, unid.	3.27	0.00	0.00	3.27	3.27
2009	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	20.93	20.93	20.93	20.93
2009	Pink Shrimp	gf.	Cabezon (OR)	Cabezon	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.04	0.04	0.04	0.04
2009	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	18.52	18.52	18.52	18.52
2009	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	6.90	6.90	6.90	6.90
2009	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.05	0.05	0.05	0.05
2009	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.16	0.16	0.16	0.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Pink Shrimp	gf.	English sole	English sole	0.00	1.10	1.10	1.10	1.10
2009	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.04	0.47	0.47	0.51	0.51
2009	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	2.05	2.05	2.05	2.05
2009	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.99	0.99	0.99	0.99
2009	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	2.22	2.22	2.22	2.22
2009	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.32	0.32	0.32	0.32
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.29	0.29	0.29	0.29
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.02	0.02
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.02	0.02	0.02	0.02
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	1.66	1.66	1.66	1.66
2009	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	0.20	0.20	0.20	0.20
2009	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	6.81	6.81	6.81	6.81
2009	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	1.71	1.71	1.71	1.71
2009	Pink Shrimp	gf.	Other flatfish	Rex sole	0.02	23.67	23.67	23.69	23.69
2009	Pink Shrimp	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	1905.95	1905.95	1905.95	1905.95
2009	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.47	0.47	0.47	0.47
2009	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	0.31	0.31	0.31	0.31
2009	Pink Shrimp	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.07	0.81	0.81	0.88	0.88
2009	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.44	0.44	0.44	0.44
2009	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.44	0.44	0.44	0.44
2009	Pink Shrimp	gf.	Starry flounder	Starry flounder	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.05	0.05	0.05	0.05
2009	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.27	0.27	0.27	0.27
2009	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.23	0.23	0.23	0.23
2009	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	73.50	73.50	73.50	73.50
2009	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.05	0.05	0.05	0.05
2009	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.58	0.58	0.58	0.58
2009	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.09	0.09	0.09	0.09
2009	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.04	0.04	0.04	0.04
2009	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	12.01	12.01	12.01	12.01
2009	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	0.24	0.24	0.24	0.24
2009	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	1.10	1.10	1.10	1.10
2009	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.27	0.27	0.27	0.27
2009	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.54	0.54	0.54	0.54
2009	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.02	0.02	0.02	0.02
2009	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	2.06	2.06	2.06	2.06
2009	Pink Shrimp	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.06	0.06	0.06	0.06
2009	Pink Shrimp	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.08	0.08	0.08	0.08
2009	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.08	0.08	0.08	0.08
2009	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	2.33	2.33	2.33	2.33
2009	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	1.32	1.32	1.32	1.32
2009	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	1.62	1.62	1.62	1.62
2009	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.37	0.37	0.37	0.37
2009	Pink Shrimp	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.11	1.11	1.11	1.11
2009	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Ragfish	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.41	0.41	0.41	0.41
2009	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.34	0.34	0.34	0.34
2009	Pink Shrimp	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.55	0.55	0.55	0.55
2009	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.05	0.05	0.05	0.05
2009	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Pink Shrimp	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	1.21	1.21	1.21	1.21
2009	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2009	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2009	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.42	0.42	0.42	0.42
2009	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.03	0.03	0.03	0.03
2009	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2009	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.04	0.04	0.04	0.04
2009	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	14412.17	0.00	0.00	14412.17	14412.17
2009	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	446.96	446.96	446.96	446.96
2009	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.07	0.07	0.07	0.07
2009	Pink Shrimp	ngf.	Shared ECS	Night smelt	0.00	0.79	0.79	0.79	0.79
2009	Pink Shrimp	ngf.	Shared ECS	Rainbow smelt	0.00	0.70	0.70	0.70	0.70
2009	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	0.57	0.57	0.57	0.57
2009	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	6.66	6.66	6.66	6.66
2009	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	7.70	7.70
2009	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	0.25	0.25
2009	Research	gf.	Black rf.	Black rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	1.00	1.00
2009	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.53	0.53
2009	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	3.62	3.62
2009	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.15	0.15
2009	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.45	1.45
2009	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	29.40	29.40
2009	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	2.57	2.57
2009	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.44	2.44
2009	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	13.44	13.44
2009	Research	gf.	Lingcod (N of 42°)	Lingcod	0.00	0.00	0.00	1.33	1.33
2009	Research	gf.	Lingcod (S of 42°)	Lingcod	0.00	0.00	0.00	1.06	1.06
2009	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	2.70	2.70
2009	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	11.71	11.71
2009	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.79	0.79
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Kelp rf.	0.00	0.00	0.00	0.02	0.02
2009	Research	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.15	0.15
2009	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.03	0.03
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.17	0.17
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.03	0.03
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Dusky rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.65	0.65
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.10	0.10
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.03	0.03
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.14	0.14
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.01	0.01
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.06	0.06
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.04	0.04
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	1.64	1.64
2009	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.30	0.30

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2009	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.02	0.02
2009	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.93	0.93
2009	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.16	0.16
2009	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.60	2.60
2009	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.02	0.02
2009	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.06	0.06
2009	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.37	0.37
2009	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.07	0.07
2009	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	15.62	15.62
2009	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.07	0.07
2009	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.02	0.02
2009	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	8.50	8.50
2009	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.14	0.14
2009	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	34.67	34.67
2009	Research	gf.	POP	POP	0.00	0.00	0.00	2.73	2.73
2009	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	2.11	2.11
2009	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	10.64	10.64
2009	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.65	1.65
2009	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.09	1.09
2009	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	3.82	3.82
2009	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.57	0.57
2009	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	10.87	10.87
2009	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	9.34	9.34
2009	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2009	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	5.31	5.31
2009	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.67	0.67
2009	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	1.78	1.78
2009	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	7.54	7.54
2009	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.05	0.05
2009	Research	ngf.	Other ngf.	CA sheephead	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Clupeiformes	0.00	0.00	0.00	0.02	0.02
2009	Research	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.90	0.90
2009	Research	ngf.	Other ngf.	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	26.53	26.53
2009	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	5.75	5.75
2009	Research	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.03	0.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Research	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.02	0.02
2009	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.01	0.01
2009	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.17	0.17
2009	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.14	0.14
2009	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.06	0.06
2009	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Other ngf.	Sun sea star	0.00	0.00	0.00	0.01	0.01
2009	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2009	Research	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.01	0.01
2009	RBPT	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2009	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.17	0.00	0.00	0.17	0.17
2009	RBPT	gf.	Dover sole	Dover sole	0.06	0.00	0.00	0.06	0.06
2009	RBPT	gf.	English sole	English sole	0.06	0.00	0.00	0.06	0.06
2009	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2009	RBPT	gf.	Other flatfish	Flatfish, unid.	9.65	0.00	0.00	9.65	9.65
2009	RBPT	gf.	Other flatfish	Pacific sanddab	0.05	0.00	0.00	0.05	0.05
2009	RBPT	gf.	Other flatfish	Sanddab, unid.	0.32	0.00	0.00	0.32	0.32
2009	RBPT	ngf.	CA halibut	CA halibut	0.78	0.00	0.00	0.78	0.78
2009	RBPT	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2009	RBPT	ngf.	Other ngf.	CA sheephead	0.01	0.00	0.00	0.01	0.01
2009	RBPT	ngf.	Other ngf.	Common thresher shark	0.00	0.00	0.00	0.00	0.00
2009	RBPT	ngf.	Other ngf.	Crab, unid.	0.27	0.00	0.00	0.27	0.27
2009	RBPT	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2009	RBPT	ngf.	Other ngf.	Market squid	0.33	0.00	0.00	0.33	0.33
2009	RBPT	ngf.	Other ngf.	Mixed species	1.26	0.00	0.00	1.26	1.26
2009	RBPT	ngf.	Other ngf.	Northern anchovy	0.01	0.00	0.00	0.01	0.01
2009	RBPT	ngf.	Other ngf.	Octopus, unid.	0.06	0.00	0.00	0.06	0.06
2009	RBPT	ngf.	Other ngf.	Pacific angel shark	0.07	0.00	0.00	0.07	0.07
2009	RBPT	ngf.	Other ngf.	Pacific mackerel	0.07	0.00	0.00	0.07	0.07
2009	RBPT	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2009	RBPT	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	RBPT	ngf.	Other ngf.	Red rock crab	0.42	0.00	0.00	0.42	0.42
2009	RBPT	ngf.	Other ngf.	Ridgeback prawn	228.10	0.00	0.00	228.10	228.10
2009	RBPT	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2009	RBPT	ngf.	Other ngf.	Skate, unid.	1.21	0.00	0.00	1.21	1.21
2009	RBPT	ngf.	Other ngf.	Spot prawn	0.03	0.00	0.00	0.03	0.03
2009	RBPT	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2009	RBPT	ngf.	Other ngf.	White croaker	14.95	0.00	0.00	14.95	14.95
2009	SCT	ngf.	Other ngf.	Sea cucumber, unid.	99.89	0.00	0.00	99.89	99.89
2009	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	3.94	0.00	0.00	3.94	3.94
2009	Shoreside Hake	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.31	0.00	0.00	2.31	2.31
2009	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.87	0.00	0.00	0.87	0.87
2009	Shoreside Hake	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	ECS	Soupfin shark	0.16	0.00	0.00	0.16	0.16
2009	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.03	0.00	0.00	0.03	0.03
2009	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.87	0.00	0.00	0.87	0.87
2009	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.09	0.00	0.00	0.09	0.09
2009	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.45	0.00	0.00	2.45	2.45
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.48	0.00	0.00	0.48	0.48
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.61	0.00	0.00	1.61	1.61
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.04	0.00	0.00	0.04	0.04
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.00	0.00	0.08	0.08
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.18	0.00	0.00	2.18	2.18
2009	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.76	0.00	0.00	0.76	0.76
2009	Shoreside Hake	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.02	0.00	0.00	0.02	0.02
2009	Shoreside Hake	gf.	Other flatfish	Rex sole	0.11	0.00	0.00	0.11	0.11
2009	Shoreside Hake	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	gf.	Pacific hake	Pacific hake	40293.27	0.00	0.00	40293.27	40293.27
2009	Shoreside Hake	gf.	POP (N of 40°10')	POP	17.19	0.00	0.00	17.19	17.19
2009	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2009	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	49.16	0.00	0.00	49.16	49.16
2009	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.05	0.00	0.00	0.05	0.05
2009	Shoreside Hake	gf.	SST (N of 34°27')	SST	0.13	0.00	0.00	0.13	0.13
2009	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	20.74	0.00	0.00	20.74	20.74
2009	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	gf.	Widow rf.	Widow rf.	108.66	0.00	0.00	108.66	108.66
2009	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	74.58	0.00	0.00	74.58	74.58
2009	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.04	0.00	0.00	0.04	0.04
2009	Shoreside Hake	ngf.	Other ngf.	American shad	13.71	0.00	0.00	13.71	13.71
2009	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.12	0.00	0.00	0.12	0.12
2009	Shoreside Hake	ngf.	Other ngf.	CA mussel	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	0.40	0.00	0.00	0.40	0.40
2009	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	ngf.	Other ngf.	Market squid	0.05	0.00	0.00	0.05	0.05
2009	Shoreside Hake	ngf.	Other ngf.	Mixed species	3.02	0.00	0.00	3.02	3.02
2009	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.01	0.00	0.00	0.01	0.01
2009	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.88	0.00	0.00	0.88	0.88
2009	Shoreside Hake	ngf.	Other ngf.	Pink shrimp	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	1.09	0.00	0.00	1.09	1.09
2009	Shoreside Hake	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2009	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.17	0.00	0.00	0.17	0.17
2009	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	3.09	0.00	0.00	3.09	3.09
2009	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.85	0.85	0.85	0.85
2009	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.05	0.05	0.05	0.05
2009	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	1.71	0.00	0.00	1.71	1.71
2009	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Dover sole	Dover sole	0.00	0.10	0.10	0.10	0.10
2009	Tribal A-S Hake	gf.	ECS	Soupfin shark	0.00	0.09	0.09	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Tribal A-S Hake	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2009	Tribal A-S Hake	gf.	English sole	English sole	0.00	0.17	0.17	0.17	0.17
2009	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.01	1.87	1.87	1.88	1.88
2009	Tribal A-S Hake	gf.	Longnose skate	Longnose skate	0.00	0.13	0.13	0.13	0.13
2009	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.52	0.07	0.07	0.59	0.59
2009	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.62	0.03	0.03	0.65	0.65
2009	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2009	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Other flatfish	Flathead sole	0.00	0.03	0.03	0.03	0.03
2009	Tribal A-S Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Other flatfish	Rex sole	0.00	0.33	0.33	0.33	0.33
2009	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.00	0.52	0.52	0.52	0.52
2009	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	13469.41	12.08	12.08	13481.48	13481.48
2009	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.08	0.01	0.01	0.09	0.09
2009	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.02	0.00	0.00	0.02	0.02
2009	Tribal A-S Hake	gf.	SST (N of 34°27')	SST	0.00	0.12	0.12	0.12	0.12
2009	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.00	128.25	128.25	128.25	128.25
2009	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	0.10	0.01	0.01	0.10	0.10
2009	Tribal A-S Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	6.55	0.35	0.35	6.90	6.90
2009	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.00	0.24	0.24	0.24	0.24
2009	Tribal A-S Hake	ngf.	Other ngf.	Brown cat shark	0.00	0.06	0.06	0.06	0.06
2009	Tribal A-S Hake	ngf.	Other ngf.	Humboldt (jumbo) squid	1.25	501.62	501.62	502.87	502.87
2009	Tribal A-S Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2009	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2009	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2009	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.06	0.06	0.06	0.06
2009	Tribal A-S Hake	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.06	0.06	0.06	0.06
2009	Tribal A-S Hake	ngf.	Other ngf.	Skate, unid.	0.00	0.01	0.01	0.01	0.01
2009	Tribal A-S Hake	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2009	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.04	0.72	0.72	0.76	0.76
2009	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	10.50	0.00	0.00	10.50	10.50
2009	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	gf.	Canary rf.	Canary rf.	6.28	0.00	0.00	6.28	6.28
2009	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2009	Tribal Shoreside	gf.	Dover sole	Dover sole	130.72	0.00	0.00	130.72	130.72

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Tribal Shoreside	gf.	English sole	English sole	91.35	0.00	0.00	91.35	91.35
2009	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	46.83	0.00	0.00	46.83	46.83
2009	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.14	0.00	0.00	0.14	0.14
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.33	0.00	0.00	0.33	0.33
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.40	0.00	0.00	0.40	0.40
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	3.96	0.00	0.00	3.96	3.96
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.06	0.00	0.00	0.06	0.06
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.41	0.00	0.00	0.41	0.41
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.27	0.00	0.00	0.27	0.27
2009	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.05	0.00	0.00	0.05	0.05
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.16	0.00	0.00	0.16	0.16
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.08	0.00	0.00	5.08	5.08
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	33.34	0.00	0.00	33.34	33.34
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.04	0.00	0.00	0.04	0.04
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.03	0.00	0.00	1.03	1.03
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.14	0.00	0.00	0.14	0.14
2009	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2009	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	2.44	0.00	0.00	2.44	2.44
2009	Tribal Shoreside	gf.	Other flatfish	Rex sole	30.21	0.00	0.00	30.21	30.21
2009	Tribal Shoreside	gf.	Other flatfish	Rock sole	0.70	0.00	0.00	0.70	0.70
2009	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.19	0.00	0.00	0.19	0.19
2009	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	11.89	0.00	0.00	11.89	11.89
2009	Tribal Shoreside	gf.	Pacific cod	Pacific cod	147.13	0.00	0.00	147.13	147.13
2009	Tribal Shoreside	gf.	Pacific hake	Pacific hake	8928.83	0.00	0.00	8928.83	8928.83
2009	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.61	0.00	0.00	0.61	0.61
2009	Tribal Shoreside	gf.	Petrale sole	Petrale sole	69.42	0.00	0.00	69.42	69.42
2009	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	639.49	0.00	0.00	639.49	639.49
2009	Tribal Shoreside	gf.	SST (N of 34°27')	SST	30.75	0.00	0.00	30.75	30.75
2009	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	125.45	0.00	0.00	125.45	125.45
2009	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	gf.	Widow rf.	Widow rf.	34.23	0.00	0.00	34.23	34.23
2009	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.26	0.00	0.00	0.26	0.26
2009	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	451.34	0.00	0.00	451.34	451.34
2009	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1519.59	0.00	0.00	1519.59	1519.59
2009	Tribal Shoreside	ngf.	Other ngf.	American shad	0.06	0.00	0.00	0.06	0.06
2009	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2009	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2009	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.53	0.00	0.00	0.53	0.53
2009	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2009	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	44.97	0.00	0.00	44.97	44.97
2009	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	100.03	0.00	0.00	100.03	100.03
2009	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	14.13	0.00	0.00	14.13	14.13
2010	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	3.53	1.73	1.73	5.26	5.26
2010	A-S Hake CP	gf.	Big skate	Big skate	0.00	0.08	0.08	0.08	0.08
2010	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.01	0.13	0.13	0.14	0.14
2010	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.28	1.41	1.41	2.69	2.69
2010	A-S Hake CP	gf.	Dover sole	Dover sole	0.52	0.58	0.58	1.10	1.10
2010	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake CP	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	ECS	Soft snout skate	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.14	0.14	0.14	0.14
2010	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.03	0.03	0.03	0.03
2010	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.00	0.16	0.16	0.16	0.16
2010	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.01	0.01
2010	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.15	0.15	0.19	0.19
2010	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.03	0.03	0.07	0.07
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.01	0.01	0.01	0.01
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.01	0.01	0.02	0.02
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.01	0.01	0.03	0.03
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.02	0.02
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	13.37	3.58	3.58	16.95	16.95
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.04	0.04	0.11	0.11
2010	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	17.51	13.90	13.90	31.41	31.41
2010	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	Other flatfish	Rex sole	2.13	6.56	6.56	8.69	8.69
2010	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	gf.	Pacific hake	Pacific hake	54217.32	59.89	59.89	54277.21	54277.21
2010	A-S Hake CP	gf.	POP (N of 40°10')	POP	2.54	1.17	1.17	3.71	3.71

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.01	0.01	0.01	0.02	0.02
2010	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	3.29	4.14	4.14	7.43	7.43
2010	A-S Hake CP	gf.	SST (N of 34°27')	SST	1.63	2.12	2.12	3.75	3.75
2010	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	4.19	106.17	106.17	110.36	110.36
2010	A-S Hake CP	gf.	Widow rf.	Widow rf.	2.88	2.13	2.13	5.01	5.01
2010	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	4.62	16.41	16.41	21.04	21.04
2010	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Albacore tuna	0.02	0.00	0.00	0.02	0.02
2010	A-S Hake CP	ngf.	Other ngf.	American shad	0.03	0.10	0.10	0.13	0.13
2010	A-S Hake CP	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.05	0.05	0.05	0.05
2010	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	0.41	53.12	53.12	53.54	53.54
2010	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.84	0.84	0.84	0.84
2010	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.02	0.02	0.02	0.04	0.04
2010	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake CP	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.00	0.03	0.03	0.03	0.03
2010	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	9.75	128.35	128.35	138.10	138.10
2010	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	0.47	0.95	0.95	1.43	1.43
2010	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.17	0.17	0.17	0.17
2010	A-S Hake CP	ngf.	Other ngf.	King of the salmon	1.02	0.85	0.85	1.87	1.87
2010	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.02	0.00	0.00	0.02	0.02
2010	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.02	0.04	0.04	0.06	0.06
2010	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.23	0.01	0.01	0.24	0.24
2010	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.06	0.06	0.06	0.06
2010	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.10	0.10	0.10	0.10
2010	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.01	0.06	0.06	0.07	0.07
2010	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.02	0.02	0.02	0.02
2010	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.14	0.14	0.14	0.14
2010	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.03	0.00	0.00	0.03	0.03
2010	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.00	0.07	0.07	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.03	0.58	0.58	0.61	0.61
2010	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake CP	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2010	A-S Hake CP	ngf.	Other ngf.	Ragfish	15.02	7.00	7.00	22.02	22.02
2010	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	0.13	0.13	0.13	0.13
2010	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Slender snipe eel	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.02	0.01	0.01	0.03	0.03
2010	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	31.67	22.53	22.53	54.21	54.21
2010	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.02	0.00	0.00	0.02	0.02
2010	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.02	0.01	0.01	0.03	0.03
2010	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.00	0.05	0.05	0.05	0.05
2010	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.92	0.11	0.11	1.03	1.03
2010	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.04	0.04	0.04	0.08	0.08
2010	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	1.46	1.16	1.16	2.63	2.63
2010	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.15	0.15	0.15	0.15
2010	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.26	0.07	0.07	0.33	0.33
2010	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	3.53	1.96	1.96	5.48	5.48
2010	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.32	0.44	0.44	0.76	0.76
2010	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.00	0.06	0.06	0.06	0.06
2010	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.16	0.17	0.17	0.33	0.33
2010	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.39	0.39	0.39	0.39
2010	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.68	0.42	0.42	1.10	1.10
2010	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	1.07	1.07	1.07	1.07
2010	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.34	0.01	0.01	0.35	0.35

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.05	0.05	0.05	0.05
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.02	0.02
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.32	1.29	1.29	4.61	4.61
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.09	0.09	0.11	0.11
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.48	11.65	11.65	12.13	12.13
2010	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.06	0.00	0.00	0.06	0.06
2010	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.42	1.31	1.31	1.73	1.73
2010	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	35726.89	0.91	0.91	35727.80	35727.80
2010	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	12.40	0.32	0.32	12.72	12.72
2010	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.49	4.47	4.47	4.95	4.95
2010	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.01	0.21	0.21	0.22	0.22
2010	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	0.06	45.35	45.35	45.41	45.41
2010	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	18.00	16.04	16.04	34.04	34.04
2010	A-S Hake MSCV	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	26.79	19.51	19.51	46.29	46.29
2010	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.01	0.04	0.04	0.04	0.04
2010	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.00	9.95	9.95	9.95	9.95
2010	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.12	0.12	0.12	0.12
2010	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.01	0.03	0.03	0.04	0.04
2010	A-S Hake MSCV	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	8.68	8.68	8.68	8.68
2010	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.00	0.04	0.04	0.04	0.04
2010	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.14	0.14	0.14	0.14
2010	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.43	0.69	0.69	1.12	1.12
2010	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.02	0.02	0.02	0.02
2010	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.03	0.17	0.17	0.21	0.21
2010	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	1.08	1.08	1.08	1.08
2010	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.03	0.03	0.03	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.01	0.01	0.01	0.02	0.02
2010	A-S Hake MSCV	ngf.	Other ngf.	Pelagic octopus, unid.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.00	0.30	0.30	0.31	0.31
2010	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	0.95	0.95	0.95	0.95
2010	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	2.73	19.38	19.38	22.11	22.11
2010	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2010	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.01	0.01	0.01	0.01
2010	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	gf.	Big skate	Big skate	0.02	24.81	12.41	24.83	12.43
2010	Comb. LE & OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.04	0.34	0.34	0.38	0.38
2010	Comb. LE & OA CA Halibut	gf.	Canary rf.	Canary rf.	0.05	0.00	0.00	0.05	0.05
2010	Comb. LE & OA CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	11.49	0.00	0.00	11.49	11.49
2010	Comb. LE & OA CA Halibut	gf.	Dover sole	Dover sole	21.41	0.00	0.00	21.41	21.41
2010	Comb. LE & OA CA Halibut	gf.	ECS	CA skate	0.00	12.22	12.22	12.22	12.22
2010	Comb. LE & OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2010	Comb. LE & OA CA Halibut	gf.	ECS	Soupfin shark	0.34	0.00	0.00	0.34	0.34
2010	Comb. LE & OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.57	0.57	0.57	0.57
2010	Comb. LE & OA CA Halibut	gf.	English sole	English sole	1.59	4.04	4.04	5.63	5.63
2010	Comb. LE & OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.74	1.00	0.50	1.74	1.24
2010	Comb. LE & OA CA Halibut	gf.	Longnose skate	Longnose skate	4.27	0.11	0.05	4.37	4.32
2010	Comb. LE & OA CA Halibut	gf.	LST (N of 34°27')	LST	1.81	0.00	0.00	1.81	1.81
2010	Comb. LE & OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2010	Comb. LE & OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.02	0.00	0.00	0.02	0.02
2010	Comb. LE & OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.05	0.00	0.00	0.05	0.05
2010	Comb. LE & OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.55	0.00	0.00	0.55	0.55
2010	Comb. LE & OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.08	0.00	0.00	0.08	0.08
2010	Comb. LE & OA CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	6.10	6.10	6.10	6.10
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	1.49	0.10	0.10	1.58	1.58

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Pacific sanddab	8.89	16.83	16.83	25.72	25.72
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Rex sole	1.69	0.08	0.08	1.77	1.77
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Rock sole	1.63	1.88	1.88	3.50	3.50
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Sand sole	7.77	1.07	1.07	8.84	8.84
2010	Comb. LE & OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.29	0.03	0.03	0.31	0.31
2010	Comb. LE & OA CA Halibut	gf.	Other gf.	Leopard shark	0.61	0.47	0.47	1.09	1.09
2010	Comb. LE & OA CA Halibut	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	gf.	Petrale sole	Petrale sole	10.11	0.11	0.11	10.21	10.21
2010	Comb. LE & OA CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	5.16	0.00	0.00	5.16	5.16
2010	Comb. LE & OA CA Halibut	gf.	SST (N of 34°27')	SST	1.44	0.00	0.00	1.44	1.44
2010	Comb. LE & OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	2.97	2.97	2.97	2.97
2010	Comb. LE & OA CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.61	0.00	0.00	0.61	0.61
2010	Comb. LE & OA CA Halibut	gf.	Starry flounder	Starry flounder	11.63	1.45	1.45	13.08	13.08
2010	Comb. LE & OA CA Halibut	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2010	Comb. LE & OA CA Halibut	ngf.	CA halibut	CA halibut	123.56	7.78	7.78	131.34	131.34
2010	Comb. LE & OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	254.13	254.13	254.13	254.13
2010	Comb. LE & OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.11	0.64	0.64	0.74	0.74
2010	Comb. LE & OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	1.72	4.55	4.55	6.27	6.27
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	American shad	0.00	1.15	1.15	1.15	1.15
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.12	0.12	0.12	0.12
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.35	0.35	0.35	0.35
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Bat ray	0.03	19.09	19.09	19.12	19.12
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Brown cat shark	0.00	0.68	0.68	0.68	0.68
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.05	1.05	1.05	1.05
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.03	0.03	0.03	0.03
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	CA sheephead	0.05	0.00	0.00	0.05	0.05
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.10	0.00	0.00	0.10	0.10
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.09	0.30	0.30	0.39	0.39
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.08	0.08	0.08	0.08
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.03	0.00	0.00	0.03	0.03
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	2.01	2.01	2.01	2.01
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.29	0.29	0.29	0.29
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Isopod, unid.	0.00	0.01	0.01	0.01	0.01
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	57.86	57.86	57.86	57.86
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.94	0.94	0.94	0.94
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Mixed species	0.03	0.00	0.00	0.03	0.03
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.03	0.03	0.03	0.06	0.06
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	1.43	1.09	1.09	2.51	2.51
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.04	0.04	0.04	0.04
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.40	1.40	1.40	1.40
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.03	0.03	0.03	0.03
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.02	0.02	0.02	0.02
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.03	0.03	0.03	0.03
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.78	0.78	0.78	0.78
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.04	0.04	0.04	0.04
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.06	0.06	0.06	0.06
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.08	2.04	2.04	2.12	2.12
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.22	0.00	0.00	0.22	0.22
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.61	0.61	0.61	0.61
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sea pen	0.00	0.02	0.02	0.02	0.02
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	1.67	1.67	1.67	1.67
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.00	0.96	0.96	0.96	0.96
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	2.99	2.99	2.99	2.99
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	2.31	2.31	2.31	2.31
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.36	0.05	0.05	0.40	0.40
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Skate, unid.	1.53	2.10	2.10	3.63	3.63
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.11	0.11	0.11	0.11
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.17	0.17	0.17	0.17
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.16	0.16	0.16	0.16
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.04	0.04	0.04	0.04
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	1.71	1.71	1.71	1.71
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.12	0.12	0.12	0.12
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.61	0.61	0.61	0.61
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	White croaker	0.05	7.41	7.41	7.46	7.46
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	White sea bass	1.46	0.13	0.13	1.59	1.59
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.06	0.06	0.06	0.06
2010	Comb. LE & OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.31	0.31	0.31	0.31
2010	Comb. LE & OA CA Halibut	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2010	CS – BT	ngf.	Other ngf.	PHLB	0.00	265.08	180.97	265.08	180.97

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.00	0.00	0.05	0.05
2010	Incidental	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Black rf. (CA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Black rf. (OR)	Black rf.	0.14	0.00	0.00	0.14	0.14
2010	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.14	0.00	0.00	0.14	0.14
2010	Incidental	gf.	Cabezon (CA)	Cabezon	0.04	0.00	0.00	0.04	0.04
2010	Incidental	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.25	0.00	0.00	0.25	0.25
2010	Incidental	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.03	0.00	0.00	0.03	0.03
2010	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2010	Incidental	gf.	Dover sole	Dover sole	0.77	0.00	0.00	0.77	0.77
2010	Incidental	gf.	ECS	Black skate	0.40	0.00	0.00	0.40	0.40
2010	Incidental	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	ECS	Giant grenadier	0.50	0.00	0.00	0.50	0.50
2010	Incidental	gf.	ECS	Grenadier, unid.	0.46	0.00	0.00	0.46	0.46
2010	Incidental	gf.	ECS	Pacific flatnose	0.11	0.00	0.00	0.11	0.11
2010	Incidental	gf.	ECS	Pacific grenadier	0.19	0.00	0.00	0.19	0.19
2010	Incidental	gf.	ECS	Sandpaper skate	0.20	0.00	0.00	0.20	0.20
2010	Incidental	gf.	ECS	Soupfin shark	1.83	0.00	0.00	1.83	1.83
2010	Incidental	gf.	ECS	Spotted ratfish	0.04	0.00	0.00	0.04	0.04
2010	Incidental	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	2.96	0.00	0.00	2.96	2.96
2010	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	0.70	0.00	0.00	0.70	0.70
2010	Incidental	gf.	Longnose skate	Longnose skate	12.99	0.00	0.00	12.99	12.99
2010	Incidental	gf.	LST (N of 34°27')	LST	3.27	0.00	0.00	3.27	3.27
2010	Incidental	gf.	LST (S of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.08	0.00	0.00	0.08	0.08
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.72	0.00	0.00	0.72	0.72
2010	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.04	0.00	0.00	0.04	0.04
2010	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.46	0.00	0.00	0.46	0.46
2010	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.16	0.00	0.00	0.16	0.16
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.10	0.00	0.00	0.10	0.10
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.92	0.00	0.00	0.92	0.92
2010	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.30	0.00	0.00	0.30	0.30
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.10	0.00	0.00	0.10	0.10
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.45	0.00	0.00	0.45	0.45
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.07	0.00	0.00	0.07	0.07
2010	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.10	0.00	0.00	0.10	0.10
2010	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	6.24	0.00	0.00	6.24	6.24
2010	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2010	Incidental	gf.	Mixed thornyheads	SST/LST	0.03	0.00	0.00	0.03	0.03
2010	Incidental	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Other flatfish	Flatfish, unid.	3.07	0.00	0.00	3.07	3.07
2010	Incidental	gf.	Other flatfish	Pacific sanddab	0.12	0.00	0.00	0.12	0.12
2010	Incidental	gf.	Other flatfish	Rex sole	0.15	0.00	0.00	0.15	0.15
2010	Incidental	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	Other flatfish	Sand sole	0.22	0.00	0.00	0.22	0.22
2010	Incidental	gf.	Other flatfish	Sanddab, unid.	0.10	0.00	0.00	0.10	0.10
2010	Incidental	gf.	Other gf.	Leopard shark	1.82	0.00	0.00	1.82	1.82
2010	Incidental	gf.	Other rf.	Rockfish, unid.	0.04	0.00	0.00	0.04	0.04
2010	Incidental	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2010	Incidental	gf.	Pacific hake	Pacific hake	83.54	0.00	0.00	83.54	83.54
2010	Incidental	gf.	POP (N of 40°10')	POP	0.13	0.00	0.00	0.13	0.13
2010	Incidental	gf.	Petrale sole	Petrale sole	0.18	0.00	0.00	0.18	0.18
2010	Incidental	gf.	Sablefish (N of 36°)	Sablefish	10.78	0.00	0.00	10.78	10.78

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Incidental	gf.	Sablefish (S of 36°)	Sablefish	214.45	0.00	0.00	214.45	214.45
2010	Incidental	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	gf.	SST (N of 34°27')	SST	16.35	0.00	0.00	16.35	16.35
2010	Incidental	gf.	SST (S of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2010	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.42	0.00	0.00	0.42	0.42
2010	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	gf.	Starry flounder	Starry flounder	0.14	0.00	0.00	0.14	0.14
2010	Incidental	gf.	Widow rf.	Widow rf.	0.35	0.00	0.00	0.35	0.35
2010	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.45	0.00	0.00	1.45	1.45
2010	Incidental	ngf.	CA halibut	CA halibut	117.78	0.00	0.00	117.78	117.78
2010	Incidental	ngf.	Dungeness crab	Dungeness crab	22848.55	0.00	0.00	22848.55	22848.55
2010	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2010	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	3.38	0.00	0.00	3.38	3.38
2010	Incidental	ngf.	Non-FMP flatfish	Speckled sanddab	0.08	0.00	0.00	0.08	0.08
2010	Incidental	ngf.	Other ngf.	Albacore tuna	11431.03	0.00	0.00	11431.03	11431.03
2010	Incidental	ngf.	Other ngf.	American shad	10.60	0.00	0.00	10.60	10.60
2010	Incidental	ngf.	Other ngf.	Anemone, unid.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	33.61	0.00	0.00	33.61	33.61
2010	Incidental	ngf.	Other ngf.	Basket cockle	106.29	0.00	0.00	106.29	106.29
2010	Incidental	ngf.	Other ngf.	Bass, unid.	0.04	0.00	0.00	0.04	0.04
2010	Incidental	ngf.	Other ngf.	Bat ray	6.19	0.00	0.00	6.19	6.19
2010	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.28	0.00	0.00	1.28	1.28
2010	Incidental	ngf.	Other ngf.	Bigeye tuna	0.81	0.00	0.00	0.81	0.81
2010	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.72	0.00	0.00	0.72	0.72
2010	Incidental	ngf.	Other ngf.	Blue shark	0.84	0.00	0.00	0.84	0.84
2010	Incidental	ngf.	Other ngf.	Bluefin tuna	1.29	0.00	0.00	1.29	1.29
2010	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	20.24	0.00	0.00	20.24	20.24
2010	Incidental	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Brown cat shark	0.05	0.00	0.00	0.05	0.05
2010	Incidental	ngf.	Other ngf.	Butter clam	3.29	0.00	0.00	3.29	3.29
2010	Incidental	ngf.	Other ngf.	CA barracuda	19.03	0.00	0.00	19.03	19.03
2010	Incidental	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	CA sheephead	0.41	0.00	0.00	0.41	0.41
2010	Incidental	ngf.	Other ngf.	CA slickhead	0.03	0.00	0.00	0.03	0.03
2010	Incidental	ngf.	Other ngf.	CA spiny lobster	318.08	0.00	0.00	318.08	318.08
2010	Incidental	ngf.	Other ngf.	Common thresher shark	94.94	0.00	0.00	94.94	94.94
2010	Incidental	ngf.	Other ngf.	Crab, unid.	39.06	0.00	0.00	39.06	39.06
2010	Incidental	ngf.	Other ngf.	Dorado	3.25	0.00	0.00	3.25	3.25

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.22	0.00	0.00	0.22	0.22
2010	Incidental	ngf.	Other ngf.	Eel, unid.	1.63	0.00	0.00	1.63	1.63
2010	Incidental	ngf.	Other ngf.	Filetail cat shark	5.89	0.00	0.00	5.89	5.89
2010	Incidental	ngf.	Other ngf.	Gaper clam	5.16	0.00	0.00	5.16	5.16
2010	Incidental	ngf.	Other ngf.	Ghost shrimp	30.76	0.00	0.00	30.76	30.76
2010	Incidental	ngf.	Other ngf.	Giant sea bass	3.95	0.00	0.00	3.95	3.95
2010	Incidental	ngf.	Other ngf.	Hagfish, unid.	1952.28	0.00	0.00	1952.28	1952.28
2010	Incidental	ngf.	Other ngf.	Invertebrate, unid.	0.02	0.00	0.00	0.02	0.02
2010	Incidental	ngf.	Other ngf.	Jack mackerel	308.14	0.00	0.00	308.14	308.14
2010	Incidental	ngf.	Other ngf.	King crab, unid.	0.08	0.00	0.00	0.08	0.08
2010	Incidental	ngf.	Other ngf.	Longnose cat shark	0.20	0.00	0.00	0.20	0.20
2010	Incidental	ngf.	Other ngf.	Mackerel, unid.	0.52	0.00	0.00	0.52	0.52
2010	Incidental	ngf.	Other ngf.	Market squid	130856.18	0.00	0.00	130856.18	130856.18
2010	Incidental	ngf.	Other ngf.	Mixed species	40.31	0.00	0.00	40.31	40.31
2010	Incidental	ngf.	Other ngf.	Mollusc, unid.	62.55	0.00	0.00	62.55	62.55
2010	Incidental	ngf.	Other ngf.	Mud shrimp	1.07	0.00	0.00	1.07	1.07
2010	Incidental	ngf.	Other ngf.	Northern anchovy	1230.03	0.00	0.00	1230.03	1230.03
2010	Incidental	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Octopus, unid.	1.87	0.00	0.00	1.87	1.87
2010	Incidental	ngf.	Other ngf.	Pacific angel shark	7.42	0.00	0.00	7.42	7.42
2010	Incidental	ngf.	Other ngf.	Pacific bonito	18.44	0.00	0.00	18.44	18.44
2010	Incidental	ngf.	Other ngf.	Pacific hagfish	0.01	0.00	0.00	0.01	0.01
2010	Incidental	ngf.	Other ngf.	Pacific herring	1.10	0.00	0.00	1.10	1.10
2010	Incidental	ngf.	Other ngf.	Pacific mackerel	2096.42	0.00	0.00	2096.42	2096.42
2010	Incidental	ngf.	Other ngf.	Pacific pomfret	0.02	0.00	0.00	0.02	0.02
2010	Incidental	ngf.	Other ngf.	Pacific sardine	65218.79	0.00	0.00	65218.79	65218.79
2010	Incidental	ngf.	Other ngf.	Pacific sleeper shark	0.07	0.00	0.00	0.07	0.07
2010	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.04	0.00	0.00	0.04	0.04
2010	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.05	0.00	0.00	0.05	0.05
2010	Incidental	ngf.	Other ngf.	Queenfish	1.72	0.00	0.00	1.72	1.72
2010	Incidental	ngf.	Other ngf.	Razor clam	143.44	0.00	0.00	143.44	143.44
2010	Incidental	ngf.	Other ngf.	Red rock crab	550.54	0.00	0.00	550.54	550.54
2010	Incidental	ngf.	Other ngf.	Red urchin	5204.69	0.00	0.00	5204.69	5204.69
2010	Incidental	ngf.	Other ngf.	Ridgeback prawn	6.06	0.00	0.00	6.06	6.06
2010	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.17	0.00	0.00	1.17	1.17
2010	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	182.81	0.00	0.00	182.81	182.81
2010	Incidental	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Sea star, unid.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Incidental	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Shark, unid.	6.40	0.00	0.00	6.40	6.40
2010	Incidental	ngf.	Other ngf.	Shrimp, unid.	51.07	0.00	0.00	51.07	51.07
2010	Incidental	ngf.	Other ngf.	Skate, unid.	8.88	0.00	0.00	8.88	8.88
2010	Incidental	ngf.	Other ngf.	Skipjack tuna	0.02	0.00	0.00	0.02	0.02
2010	Incidental	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.05	0.00	0.00	0.05	0.05
2010	Incidental	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Sponge, unid.	0.01	0.00	0.00	0.01	0.01
2010	Incidental	ngf.	Other ngf.	Spot prawn	173.33	0.00	0.00	173.33	173.33
2010	Incidental	ngf.	Other ngf.	Squid, unid.	1.56	0.00	0.00	1.56	1.56
2010	Incidental	ngf.	Other ngf.	Surfperch, unid.	5.65	0.00	0.00	5.65	5.65
2010	Incidental	ngf.	Other ngf.	Swordfish	368.90	0.00	0.00	368.90	368.90
2010	Incidental	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Tuna, unid.	1.21	0.00	0.00	1.21	1.21
2010	Incidental	ngf.	Other ngf.	Urchin, unid.	2.26	0.00	0.00	2.26	2.26
2010	Incidental	ngf.	Other ngf.	White croaker	2.29	0.00	0.00	2.29	2.29
2010	Incidental	ngf.	Other ngf.	White sea bass	264.12	0.00	0.00	264.12	264.12
2010	Incidental	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2010	Incidental	ngf.	Other ngf.	Yellowfin tuna	0.20	0.00	0.00	0.20	0.20
2010	Incidental	ngf.	Other ngf.	Yellowtail amberjack	7.04	0.00	0.00	7.04	7.04
2010	Incidental	ngf.	Shared ECS	Smelt, unid.	110.19	0.00	0.00	110.19	110.19
2010	Incidental	ngf.	Tanner crab	Tanner crab, unid.	0.03	0.00	0.00	0.03	0.03
2010	Incidental	ngf.	Tanner crab	Tanneri Tanner crab	0.10	0.00	0.00	0.10	0.10
2010	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.14	0.18	0.18	1.32	1.32
2010	LE FG DTL – H&L	gf.	Big skate	Big skate	0.00	0.07	0.07	0.07	0.07
2010	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2010	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.02	0.00	0.00	0.02	0.02
2010	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	5.17	0.27	0.27	5.44	5.44
2010	LE FG DTL – H&L	gf.	Dover sole	Dover sole	1.22	5.46	5.46	6.68	6.68
2010	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	3.34	3.34	3.34	3.34
2010	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.76	0.76	0.76	0.76
2010	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	1.80	1.80	1.80	1.80
2010	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	13.75	0.44	0.44	14.18	14.18
2010	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	3.11	3.11	3.11	3.11
2010	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	5.84	5.84	5.84	5.84
2010	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.44	0.44	0.44	0.44
2010	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.02	0.13	0.13	0.15	0.15
2010	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.76	0.76	0.76	0.76

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE FG DTL – H&L	gf.	English sole	English sole	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.60	0.34	0.02	1.94	1.62
2010	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	8.46	23.11	11.56	31.57	20.01
2010	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	2.93	2.16	2.16	5.09	5.09
2010	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	21.77	2.04	2.04	23.82	23.82
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.31	0.00	0.00	0.31	0.31
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2010	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.85	0.00	0.00	0.85	0.85
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.01	0.01	0.02	0.02
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.03	0.00	0.00	2.03	2.03
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	8.26	0.00	0.00	8.26	8.26
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	13.77	0.00	0.00	13.77	13.77
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.49	0.00	0.00	0.49	0.49
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.02	0.02	0.04	0.04
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.27	0.00	0.00	0.27	0.27
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.43	0.00	0.00	0.43	0.43
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	34.35	0.04	0.04	34.39	34.39
2010	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	3.73	1.50	1.50	5.23	5.23
2010	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.73	0.00	0.00	0.73	0.73
2010	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.12	0.00	0.00	0.12	0.12
2010	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.02	0.18	0.18	0.20	0.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.23	0.00	0.00	0.23	0.23
2010	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.04	0.03	0.03	0.07	0.07
2010	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	460.96	60.86	12.17	521.82	473.13
2010	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	233.90	12.39	2.48	246.29	236.38
2010	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	25.13	3.49	3.49	28.62	28.62
2010	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	151.36	9.21	9.21	160.57	160.57
2010	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	7.01	10.00	5.00	17.01	12.01
2010	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.03	0.00	0.00	0.03	0.03
2010	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2010	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.19	0.19	0.19	0.19
2010	LE FG DTL – H&L	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.18	0.18	0.18	0.18
2010	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.16	0.00	0.00	0.16	0.16
2010	LE FG DTL – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.11	0.11	0.11	0.11
2010	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.01	11.27	11.27	11.27	11.27
2010	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.16	0.09	0.09	0.25	0.25
2010	LE FG DTL – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	2.79	2.79	2.79	2.79
2010	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.52	0.52	0.52	0.52
2010	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2010	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.02	0.00	0.00	0.02	0.02
2010	LE FG DTL – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	4.81	4.81	4.81	4.81
2010	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.19	0.19	0.19	0.19
2010	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	5.31	5.31	5.31	5.31
2010	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.58	0.58	0.58	0.58
2010	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.07	0.07	0.08	0.08
2010	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.06	0.06	0.06	0.06
2010	LE FG DTL – H&L	ngf.	Other ngf.	Pacific electric ray	0.00	0.07	0.07	0.07	0.07
2010	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	0.37	0.06	0.37	0.06
2010	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.45	0.45	0.45	0.45
2010	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.42	0.42	0.42	0.42
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.30	0.30	0.30	0.30
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.02	0.02	0.02	0.02
2010	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.02	89.73	89.73	89.75	89.75
2010	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	2.01	0.07	0.07	2.08	2.08
2010	LE FG DTL – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.03	0.03	0.03	0.03
2010	LE FG DTL – H&L	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.08	1.25	1.25	1.33	1.33
2010	LE FG DTL – H&L	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – H&L	ngf.	Other ngf.	Swordfish	0.20	0.00	0.00	0.20	0.20
2010	LE FG DTL – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.07	0.00	0.00	0.07	0.07
2010	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2010	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.27	0.00	0.00	0.27	0.27
2010	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.18	0.18	0.18	0.18
2010	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.88	0.88	0.88	0.88
2010	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	0.01	0.01	0.02	0.02
2010	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.02	0.02
2010	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2010	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.10	0.10	0.10	0.10
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.03	0.03	0.03	0.03
2010	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	17.12	4.62	0.92	21.74	18.04
2010	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.10	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.03	0.00	0.03	0.00
2010	LE FG DTL – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.30	0.30	0.30	0.30
2010	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.09	0.09	0.09	0.09
2010	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.74	43.09	43.09	44.84	44.84
2010	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	1.22	1.22	1.22	1.22
2010	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.00	0.05	0.05	0.05	0.05
2010	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	4.53	0.15	0.15	4.68	4.68
2010	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.75	3.02	3.02	4.77	4.77
2010	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.11	0.11	0.11	0.11
2010	LE Sablefish – H&L	gf.	ECS	Bering skate	0.00	0.04	0.04	0.04	0.04
2010	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.22	0.22	0.22	0.22
2010	LE Sablefish – H&L	gf.	ECS	CA skate	0.00	0.26	0.26	0.26	0.26
2010	LE Sablefish – H&L	gf.	ECS	Deepsea skate	0.00	0.38	0.38	0.38	0.38
2010	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	11.20	11.20	11.20	11.20
2010	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	6.88	1.27	1.27	8.15	8.15
2010	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.91	0.91	0.91	0.91
2010	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	15.25	15.25	15.25	15.25
2010	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.05	0.05	0.05	0.05
2010	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	1.09	1.09	1.09	1.09
2010	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	1.14	1.14	1.14	1.14
2010	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	6.39	2.80	0.20	9.19	6.59
2010	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.25	0.00	0.00	0.25	0.25
2010	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	12.68	44.57	22.28	57.25	34.97
2010	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	2.42	0.01	0.01	2.42	2.42
2010	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.00	0.13	0.13	0.13	0.13
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.11	0.00	0.00	0.11	0.11
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.02	0.00	0.00	0.02	0.02
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.21	0.21	0.22	0.22
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.11	0.00	0.00	0.11	0.11
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.34	0.34	0.36	0.36
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.19	0.01	0.01	0.21	0.21
2010	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.12	0.00	0.00	0.12	0.12
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.07	0.01	0.01	0.08	0.08
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.54	0.78	0.78	2.32	2.32

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.93	2.71	2.71	12.64	12.64
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	35.25	24.71	24.71	59.96	59.96
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.10	0.00	0.00	0.10	0.10
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	2.97	0.53	0.53	3.50	3.50
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	10.74	10.74	10.74	10.74
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.70	0.06	0.06	0.76	0.76
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.14	0.03	0.03	0.17	0.17
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.91	0.02	0.02	0.93	0.93
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.60	0.00	0.00	3.61	3.61
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.15	0.00	0.00	0.15	0.15
2010	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	gf.	Other flatfish	Butter sole	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	2.69	0.00	0.00	2.69	2.69
2010	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.15	0.15	0.15	0.15
2010	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	3.28	0.16	0.16	3.44	3.44
2010	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.08	0.02	0.02	0.10	0.10
2010	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1294.94	231.54	46.31	1526.48	1341.25
2010	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	9.22	0.93	0.19	10.15	9.40
2010	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	17.93	1.32	1.32	19.25	19.25
2010	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	0.00	1.11	1.11	1.11	1.11
2010	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.72	219.09	109.54	219.81	110.26
2010	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Sablefish – H&L	gf.	Starry flounder	Starry flounder	0.00	0.03	0.03	0.03	0.03
2010	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.02	0.03	0.03	0.05	0.05
2010	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.26	0.26	0.26	0.26
2010	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.34	0.06	0.06	0.40	0.40
2010	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.00	0.05	0.05	0.05	0.05
2010	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2010	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.04	0.00	0.00	0.04	0.04
2010	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.05	24.30	24.30	24.35	24.35
2010	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.79	0.79	0.79	0.79
2010	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.09	0.09	0.09	0.09
2010	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.07	0.07	0.07	0.07
2010	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.26	0.26	0.26	0.26
2010	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.06	0.06	0.06	0.06
2010	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.07	0.07	0.07	0.07
2010	LE Sablefish – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.02	0.02	0.02	0.02
2010	LE Sablefish – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.16	0.16	0.16	0.16
2010	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	0.00	132.56	21.21	132.56	21.21
2010	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.08	0.08	0.08	0.08
2010	LE Sablefish – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.42	0.42	0.42	0.42
2010	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	5.05	5.05	5.05	5.05
2010	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	13.79	0.00	0.00	13.79	13.79
2010	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – H&L	ngf.	Other ngf.	Yellowfin tuna	0.02	0.00	0.00	0.02	0.02
2010	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.27	0.27	0.27	0.27
2010	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.16	0.77	0.77	0.93	0.93
2010	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.04	0.04	0.08	0.08
2010	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.27	1.33	1.33	1.60	1.60
2010	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	7.15	7.15	7.15	7.15
2010	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.60	0.60	0.60	0.60
2010	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.59	4.47	4.47	6.06	6.06
2010	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.19	0.00	0.00	0.19	0.19
2010	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.01	0.02	0.02	0.03	0.03
2010	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.03	0.03	0.03	0.03
2010	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	1.61	1.61	1.61	1.61
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.24	0.04	0.04	0.28	0.28
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.55	0.06	0.06	0.61	0.61
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.26	0.03	0.03	2.29	2.29
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.11	0.11	0.11	0.11
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.72	0.00	0.00	1.72	1.72
2010	LE Sablefish – Pot	gf.	Other flatfish	Rex sole	0.01	0.01	0.01	0.02	0.02
2010	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	503.54	116.51	23.30	620.05	526.84
2010	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.17	0.02	0.02	0.19	0.19
2010	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	7.55	7.55	7.55	7.55
2010	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	1.27	1.27	1.27	1.27
2010	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.21	0.21	0.21	0.21
2010	LE Sablefish – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.11	0.11	0.11	0.11
2010	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2010	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.42	0.42	0.42	0.42
2010	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.02	0.02	0.02	0.02
2010	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.05	0.05	0.05	0.05
2010	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	5.04	0.91	5.04	0.91
2010	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.03	0.03	0.03	0.03
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.62	0.62	0.62	0.62
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.55	0.55	0.55	0.55
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.88	0.00	0.00	0.89	0.89
2010	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.30	0.30	0.30	0.30
2010	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.88	1.88	1.88	1.88
2010	LE Trawl	gf.	Arrowtooth flounder	Arrowtooth flounder	3210.63	532.64	532.64	3743.26	3743.26
2010	LE Trawl	gf.	Big skate	Big skate	1.15	4.64	2.32	5.79	3.47
2010	LE Trawl	gf.	Black rf. (OR)	Black rf.	0.33	0.00	0.00	0.33	0.33
2010	LE Trawl	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.02	7.20	7.20	9.22	9.22
2010	LE Trawl	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Canary rf.	Canary rf.	1.94	0.14	0.14	2.08	2.08
2010	LE Trawl	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	308.89	31.77	31.77	340.67	340.67
2010	LE Trawl	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.26	0.26	0.26	0.26
2010	LE Trawl	gf.	Darkblotched rf.	Darkblotched rf.	156.83	114.39	114.39	271.21	271.21
2010	LE Trawl	gf.	Dover sole	Dover sole	10304.62	507.99	507.99	10812.61	10812.61
2010	LE Trawl	gf.	ECS	Aleutian skate	0.00	5.54	5.54	5.54	5.54
2010	LE Trawl	gf.	ECS	Black skate	0.00	63.32	63.32	63.32	63.32
2010	LE Trawl	gf.	ECS	CA grenadier	0.00	2.14	2.14	2.14	2.14
2010	LE Trawl	gf.	ECS	CA skate	0.06	3.12	3.12	3.17	3.17
2010	LE Trawl	gf.	ECS	Deepsea skate	0.00	1.15	1.15	1.15	1.15
2010	LE Trawl	gf.	ECS	Giant grenadier	0.00	197.27	197.27	197.27	197.27
2010	LE Trawl	gf.	ECS	Grenadier, unid.	68.70	2.74	2.74	71.44	71.44
2010	LE Trawl	gf.	ECS	Pacific flatnose	0.00	13.33	13.33	13.33	13.33
2010	LE Trawl	gf.	ECS	Pacific grenadier	38.91	207.15	207.15	246.06	246.06
2010	LE Trawl	gf.	ECS	Popeye grenadier	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	gf.	ECS	Sandpaper skate	0.73	47.56	47.56	48.29	48.29
2010	LE Trawl	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	ECS	Soupfin shark	0.19	0.00	0.00	0.19	0.19
2010	LE Trawl	gf.	ECS	Spotted ratfish	0.62	72.71	72.71	73.33	73.33
2010	LE Trawl	gf.	English sole	English sole	156.62	14.23	14.23	170.85	170.85
2010	LE Trawl	gf.	Lingcod (N of 40°10')	Lingcod	51.64	4.83	2.42	56.47	54.05
2010	LE Trawl	gf.	Lingcod (S of 40°10')	Lingcod	20.36	2.99	1.49	23.34	21.85
2010	LE Trawl	gf.	Longnose skate	Longnose skate	949.34	255.98	127.99	1205.32	1077.33
2010	LE Trawl	gf.	LST (N of 34°27')	LST	1322.31	414.29	414.29	1736.59	1736.59
2010	LE Trawl	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.08	0.00	0.00	0.08	0.08
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.43	0.17	0.17	0.60	0.60
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.05	0.01	0.01	0.06	0.06
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	2.67	0.43	0.43	3.10	3.10
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.07	0.03	0.03	0.10	0.10
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.08	3.30	3.30	3.38	3.38
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.30	0.00	0.00	0.30	0.30
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.18	2.80	2.80	2.98	2.98
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.52	0.52	0.52	0.52
2010	LE Trawl	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.18	0.00	0.00	0.18	0.18
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.04	0.15	0.15	0.19	0.19
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	2.70	2.70	2.70	2.70
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.06	0.06	0.06	0.06
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.20	0.03	0.03	0.22	0.22
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	13.80	13.80	13.80	13.80
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.04	0.02	0.02	0.06	0.06
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	7.60	15.08	15.08	22.68	22.68
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.39	0.06	0.06	0.45	0.45
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	3.05	3.02	3.02	6.07	6.07
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.72	6.58	6.58	10.30	10.30
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.81	0.81	0.81	0.81
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	78.06	59.42	59.42	137.48	137.48
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.31	6.88	6.88	7.19	7.19
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	19.39	6.41	6.41	25.80	25.80
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	5.75	10.64	10.64	16.39	16.39
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	3.21	46.22	46.22	49.42	49.42
2010	LE Trawl	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.44	1.25	1.25	3.69	3.69
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	2.25	1.32	1.32	3.56	3.56
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	13.25	0.03	0.03	13.28	13.28

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	61.47	0.00	0.00	61.47	61.47
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.96	0.09	0.09	1.06	1.06
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.21	0.21	0.21	0.21
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.63	0.00	0.00	0.63	0.63
2010	LE Trawl	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.78	0.00	0.00	0.78	0.78
2010	LE Trawl	gf.	Mixed thornyheads	SST/LST	4.92	29.10	29.10	34.02	34.02
2010	LE Trawl	gf.	Other flatfish	Butter sole	0.05	0.18	0.18	0.23	0.23
2010	LE Trawl	gf.	Other flatfish	Curlfin sole	1.23	0.12	0.12	1.35	1.35
2010	LE Trawl	gf.	Other flatfish	Flatfish, unid.	0.19	27.02	27.02	27.21	27.21
2010	LE Trawl	gf.	Other flatfish	Flathead sole	1.55	0.17	0.17	1.72	1.72
2010	LE Trawl	gf.	Other flatfish	Pacific sanddab	142.45	28.01	28.01	170.46	170.46
2010	LE Trawl	gf.	Other flatfish	Rex sole	439.87	26.26	26.26	466.13	466.13
2010	LE Trawl	gf.	Other flatfish	Rock sole	1.89	0.08	0.08	1.96	1.96
2010	LE Trawl	gf.	Other flatfish	Sand sole	60.75	0.20	0.20	60.95	60.95
2010	LE Trawl	gf.	Other flatfish	Sanddab, unid.	0.00	0.53	0.53	0.53	0.53
2010	LE Trawl	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	gf.	Other gf.	Leopard shark	0.01	0.00	0.00	0.01	0.01
2010	LE Trawl	gf.	Pacific cod	Pacific cod	99.55	0.18	0.18	99.73	99.73
2010	LE Trawl	gf.	Pacific hake	Pacific hake	10.35	296.01	296.01	306.35	306.35
2010	LE Trawl	gf.	POP (N of 40°10')	POP	69.75	47.30	47.30	117.05	117.05
2010	LE Trawl	gf.	Petrale sole	Petrale sole	761.78	87.15	87.15	848.93	848.93
2010	LE Trawl	gf.	Roundfish unid	Roundfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	gf.	Sablefish (N of 36°)	Sablefish	2505.93	391.38	195.69	2897.31	2701.62
2010	LE Trawl	gf.	Shortbelly rf.	Shortbelly rf.	0.00	2.47	2.47	2.47	2.47
2010	LE Trawl	gf.	SST (N of 34°27')	SST	1097.22	77.90	77.90	1175.12	1175.12
2010	LE Trawl	gf.	Spiny dogfish	Spiny dogfish shark	59.63	349.17	349.17	408.80	408.80
2010	LE Trawl	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	47.05	34.54	34.54	81.60	81.60
2010	LE Trawl	gf.	Starry flounder	Starry flounder	18.70	0.07	0.07	18.78	18.78
2010	LE Trawl	gf.	Widow rf.	Widow rf.	4.04	17.70	17.70	21.74	21.74
2010	LE Trawl	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.06	0.06	0.07	0.07
2010	LE Trawl	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	13.71	1.03	1.03	14.74	14.74
2010	LE Trawl	ngf.	CA halibut	CA halibut	0.72	0.00	0.00	0.72	0.72
2010	LE Trawl	ngf.	Dungeness crab	Dungeness crab	0.00	78.38	78.38	78.38	78.38
2010	LE Trawl	ngf.	Non-FMP flatfish	Deepsea sole	0.00	46.37	46.37	46.37	46.37
2010	LE Trawl	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.04	0.04	0.04	0.04
2010	LE Trawl	ngf.	Non-FMP flatfish	Slender sole	0.15	4.44	4.44	4.59	4.59
2010	LE Trawl	ngf.	Other ngf.	American shad	0.00	0.54	0.54	0.54	0.54
2010	LE Trawl	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	ngf.	Other ngf.	Anemone, unid.	0.00	36.45	36.45	36.45	36.45
2010	LE Trawl	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Armed box crab	0.00	2.24	2.24	2.24	2.24
2010	LE Trawl	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Bigfin eelpout	0.00	0.99	0.99	0.99	0.99
2010	LE Trawl	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Black coral	0.00	0.17	0.17	0.17	0.17
2010	LE Trawl	ngf.	Other ngf.	Black eelpout	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Blob sculpin	0.00	1.48	1.48	1.48	1.48
2010	LE Trawl	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Brown box crab	0.00	0.66	0.66	0.66	0.66
2010	LE Trawl	ngf.	Other ngf.	Brown cat shark	0.00	41.11	41.11	41.11	41.11
2010	LE Trawl	ngf.	Other ngf.	Buffalo sculpin	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	CA king crab	0.00	0.06	0.06	0.06	0.06
2010	LE Trawl	ngf.	Other ngf.	CA slickhead	0.00	46.00	46.00	46.00	46.00
2010	LE Trawl	ngf.	Other ngf.	Cat shark, unid.	0.00	0.21	0.21	0.21	0.21
2010	LE Trawl	ngf.	Other ngf.	Common thresher shark	0.28	0.00	0.00	0.28	0.28
2010	LE Trawl	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Eelpout, unid.	0.00	34.33	34.33	34.33	34.33
2010	LE Trawl	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Filetail cat shark	0.00	0.14	0.14	0.14	0.14
2010	LE Trawl	ngf.	Other ngf.	Fish, unid.	0.00	1.20	1.20	1.20	1.20
2010	LE Trawl	ngf.	Other ngf.	Giant wrymouth	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Hair crab	0.00	0.47	0.47	0.47	0.47
2010	LE Trawl	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2010	LE Trawl	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Invertebrate, unid.	0.00	37.26	37.26	37.26	37.26
2010	LE Trawl	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	ngf.	Other ngf.	Jack mackerel	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Jellyfish, unid.	0.00	4.47	4.47	4.47	4.47
2010	LE Trawl	ngf.	Other ngf.	King crab, unid.	0.00	0.09	0.09	0.09	0.09
2010	LE Trawl	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.07	0.07	0.07	0.07
2010	LE Trawl	ngf.	Other ngf.	Longnose cat shark	0.00	7.87	7.87	7.87	7.87
2010	LE Trawl	ngf.	Other ngf.	Longnose lancetfish	0.00	0.05	0.05	0.05	0.05
2010	LE Trawl	ngf.	Other ngf.	Longspine combfish	0.00	0.06	0.06	0.06	0.06
2010	LE Trawl	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.14	0.14	0.14	0.14
2010	LE Trawl	ngf.	Other ngf.	Market squid	0.04	0.00	0.00	0.04	0.04
2010	LE Trawl	ngf.	Other ngf.	Medusafish	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Mixed species	0.49	0.00	0.00	0.49	0.49
2010	LE Trawl	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Mollusc, unid.	0.00	0.09	0.09	0.09	0.09
2010	LE Trawl	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.19	0.19	0.19	0.19
2010	LE Trawl	ngf.	Other ngf.	Octopus, unid.	1.24	5.89	5.89	7.12	7.12
2010	LE Trawl	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Pacific electric ray	0.00	0.63	0.63	0.63	0.63
2010	LE Trawl	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02
2010	LE Trawl	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Pacific sardine	0.06	0.01	0.01	0.07	0.07
2010	LE Trawl	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Pacific sleeper shark	0.00	6.27	6.27	6.27	6.27
2010	LE Trawl	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.02	0.02	0.02	0.02
2010	LE Trawl	ngf.	Other ngf.	Pacific tomcod	0.00	0.20	0.20	0.20	0.20
2010	LE Trawl	ngf.	Other ngf.	Pink surfperch	0.00	0.10	0.10	0.10	0.10
2010	LE Trawl	ngf.	Other ngf.	Plainfin midshipman	0.00	0.20	0.20	0.20	0.20
2010	LE Trawl	ngf.	Other ngf.	Poacher, unid.	0.00	0.08	0.08	0.08	0.08
2010	LE Trawl	ngf.	Other ngf.	Ragfish	0.00	1.31	1.31	1.31	1.31
2010	LE Trawl	ngf.	Other ngf.	Ray, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Scarlet king crab	0.00	0.64	0.64	0.64	0.64
2010	LE Trawl	ngf.	Other ngf.	Sculpin, unid.	0.00	0.48	0.48	0.48	0.48
2010	LE Trawl	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.43	1.43	1.43	1.43
2010	LE Trawl	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Sea pen	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Sea snail, unid.	0.00	0.56	0.56	0.56	0.56
2010	LE Trawl	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Sea star, unid.	0.00	32.39	32.39	32.39	32.39
2010	LE Trawl	ngf.	Other ngf.	Sea whip	0.00	0.06	0.06	0.06	0.06
2010	LE Trawl	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Shark, unid.	0.14	23.72	23.72	23.86	23.86
2010	LE Trawl	ngf.	Other ngf.	Shrimp, unid.	0.01	0.03	0.03	0.04	0.04
2010	LE Trawl	ngf.	Other ngf.	Sixgill shark	0.00	0.20	0.20	0.20	0.20
2010	LE Trawl	ngf.	Other ngf.	Skate, unid.	184.47	5.76	5.76	190.22	190.22
2010	LE Trawl	ngf.	Other ngf.	Slickhead, unid.	0.00	1.14	1.14	1.14	1.14
2010	LE Trawl	ngf.	Other ngf.	Slim sculpin	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Snailfish, unid.	0.00	6.24	6.24	6.24	6.24
2010	LE Trawl	ngf.	Other ngf.	Snakehead eelpout	0.00	0.02	0.02	0.02	0.02
2010	LE Trawl	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Spiky king crab	0.00	0.04	0.04	0.04	0.04
2010	LE Trawl	ngf.	Other ngf.	Spiny king crab	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Other ngf.	Spinyhead sculpin	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Sponge, unid.	0.00	20.73	20.73	20.73	20.73
2010	LE Trawl	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Squid, unid.	11.19	15.93	15.93	27.12	27.12
2010	LE Trawl	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Surfperch, unid.	0.00	0.04	0.04	0.04	0.04
2010	LE Trawl	ngf.	Other ngf.	Threadfin sculpin	0.00	0.02	0.02	0.02	0.02
2010	LE Trawl	ngf.	Other ngf.	Threadfin slickhead	0.00	2.49	2.49	2.49	2.49
2010	LE Trawl	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Other ngf.	Tunicate, unid.	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Other ngf.	Twoline eelpout	0.00	1.47	1.47	1.47	1.47
2010	LE Trawl	ngf.	Other ngf.	Urchin, unid.	0.00	2.12	2.12	2.12	2.12
2010	LE Trawl	ngf.	Other ngf.	Viperfish, unid.	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Other ngf.	Walleye pollock	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Other ngf.	Warty poacher	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	White croaker	0.14	0.00	0.00	0.14	0.14
2010	LE Trawl	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Other ngf.	Wolf-eel	0.04	0.00	0.00	0.04	0.04
2010	LE Trawl	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	LE Trawl	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Shared ECS	Barracudina, unid.	0.00	0.01	0.01	0.01	0.01
2010	LE Trawl	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.03	0.03	0.03	0.03
2010	LE Trawl	ngf.	Shared ECS	Night smelt	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2010	LE Trawl	ngf.	Tanner crab	Tanner crab, unid.	0.00	46.19	46.19	46.19	46.19
2010	LE Trawl	ngf.	Tanner crab	Tanneri Tanner crab	0.00	452.51	452.51	452.51	452.51
2010	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Black rf. (CA)	Black rf.	51.03	1.88	1.00	52.91	52.03
2010	Nearshore	gf.	Black rf. (OR)	Black rf.	99.65	4.51	0.98	104.17	100.64
2010	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.61	0.00	0.00	0.61	0.61
2010	Nearshore	gf.	Cabezon (CA)	Cabezon	22.86	5.12	0.36	27.98	23.22
2010	Nearshore	gf.	Cabezon (OR)	Cabezon	23.37	5.16	0.36	28.53	23.73
2010	Nearshore	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.97	1.75	0.12	4.72	3.09
2010	Nearshore	gf.	Canary rf.	Canary rf.	0.00	8.87	6.06	8.88	6.06
2010	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2010	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.07	0.00	0.00	0.07	0.07
2010	Nearshore	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	ECS	CA skate	0.00	0.01	0.00	0.01	0.00
2010	Nearshore	gf.	ECS	Grenadier, unid.	0.10	0.00	0.00	0.10	0.10
2010	Nearshore	gf.	ECS	Soupfin shark	0.32	0.00	0.00	0.32	0.32
2010	Nearshore	gf.	ECS	Spotted ratfish	0.01	0.48	0.03	0.49	0.04
2010	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	23.31	21.05	1.47	44.36	24.78
2010	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	14.23	8.28	0.58	22.50	14.81
2010	Nearshore	gf.	Longnose skate	Longnose skate	0.06	0.00	0.00	0.06	0.06
2010	Nearshore	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	7.51	6.43	2.14	13.94	9.65
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.10	0.00	0.00	0.10	0.10
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	5.13	0.32	0.08	5.45	5.21
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.13	0.00	0.00	1.13	1.13
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.12	0.01	0.00	0.14	0.13
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.24	0.00	0.00	0.24	0.24
2010	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	1.48	0.07	0.02	1.55	1.51
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	11.29	2.05	1.11	13.34	12.40
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	1.49	2.97	2.01	4.45	3.50

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	26.51	0.60	0.36	27.11	26.87
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.02	0.01	0.02	0.02
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.80	2.63	1.73	4.43	3.53
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	2.68	0.15	0.09	2.83	2.77
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	27.28	4.29	2.81	31.57	30.09
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	12.24	0.10	0.06	12.33	12.29
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	1.03	0.16	0.09	1.19	1.11
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.08	0.00	0.00	0.08	0.08
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.54	0.32	0.24	0.86	0.78
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.09	0.00	0.00	0.09	0.09
2010	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.61	0.57	0.32	2.18	1.93
2010	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.05	0.01	0.00	0.06	0.06
2010	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	2.31	0.00	0.00	2.31	2.31
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.12	0.05	0.05	0.16	0.16
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.52	0.00	0.00	0.52	0.52
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.26	0.14	0.14	0.40	0.40
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	5.73	0.01	0.01	5.74	5.74
2010	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.14	0.14	0.09	0.28	0.23
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.12	0.00	0.00	0.12	0.12
2010	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	gf.	Mixed thornyheads	SST/LST	0.26	0.00	0.00	0.26	0.26
2010	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04
2010	Nearshore	gf.	Other flatfish	Pacific sanddab	0.93	0.00	0.00	0.93	0.93

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Nearshore	gf.	Other flatfish	Rock sole	0.01	0.13	0.01	0.14	0.02
2010	Nearshore	gf.	Other flatfish	Sand sole	0.02	0.31	0.02	0.33	0.04
2010	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.05	0.00	0.06	0.01
2010	Nearshore	gf.	Other gf.	Kelp greenling (CA)	1.61	2.85	0.20	4.46	1.80
2010	Nearshore	gf.	Other gf.	Kelp greenling (OR)	18.27	3.72	0.26	21.99	18.53
2010	Nearshore	gf.	Other gf.	Leopard shark	0.19	0.28	0.02	0.47	0.21
2010	Nearshore	gf.	Other rf.	Rockfish, unid.	0.24	0.00	0.00	0.24	0.24
2010	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.18	0.01	0.18	0.01
2010	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	2.85	0.00	0.00	2.85	2.85
2010	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	7.45	0.00	0.00	7.45	7.45
2010	Nearshore	gf.	SST (N of 34°27')	SST	0.16	0.00	0.00	0.16	0.16
2010	Nearshore	gf.	SST (S of 34°27')	SST	0.10	0.00	0.00	0.10	0.10
2010	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.05	0.68	0.05	0.72	0.09
2010	Nearshore	gf.	Starry flounder	Starry flounder	0.12	0.00	0.00	0.12	0.12
2010	Nearshore	gf.	Widow rf.	Widow rf.	0.06	0.00	0.00	0.06	0.06
2010	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.18	0.11	0.19	0.11
2010	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.60	0.69	0.16	1.29	0.76
2010	Nearshore	ngf.	CA halibut	CA halibut	1.72	0.00	0.00	1.72	1.72
2010	Nearshore	ngf.	Dungeness crab	Dungeness crab	2.46	0.55	0.55	3.01	3.01
2010	Nearshore	ngf.	Non-FMP flatfish	Hornyhead turbot	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.05	0.05	0.05	0.05
2010	Nearshore	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Bat ray	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	3.92	3.92	3.92	3.92
2010	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.05	0.00	0.00	0.05	0.05
2010	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.63	0.63	0.63	0.63
2010	Nearshore	ngf.	Other ngf.	CA barracuda	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	CA moray	0.00	0.04	0.04	0.04	0.04
2010	Nearshore	ngf.	Other ngf.	CA sheephead	30.06	2.88	2.88	32.94	32.94
2010	Nearshore	ngf.	Other ngf.	CA spiny lobster	6.35	0.00	0.00	6.35	6.35
2010	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.08	0.08	0.08	0.08
2010	Nearshore	ngf.	Other ngf.	Common thresher shark	0.08	0.00	0.00	0.08	0.08
2010	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Crab, unid.	1.84	0.00	0.00	1.84	1.84
2010	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.20	0.20	0.20	0.20
2010	Nearshore	ngf.	Other ngf.	Eel, unid.	0.10	0.00	0.00	0.10	0.10
2010	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.34	0.34	0.34	0.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.06	0.06	0.06	0.06
2010	Nearshore	ngf.	Other ngf.	Giant sea bass	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.75	0.75	0.75	0.75
2010	Nearshore	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	4.45	4.45	4.45	4.45
2010	Nearshore	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	0.83	0.83	0.83	0.83
2010	Nearshore	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Mixed species	1.48	0.00	0.00	1.48	1.48
2010	Nearshore	ngf.	Other ngf.	Mollusc, unid.	6.26	0.02	0.02	6.28	6.28
2010	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.10	1.73	1.73	1.82	1.82
2010	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.06	0.06	0.06	0.06
2010	Nearshore	ngf.	Other ngf.	PHLB	0.00	0.08	0.08	0.08	0.08
2010	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	2.02	2.02	2.02	2.02
2010	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.50	0.50	0.50	0.50
2010	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.09	0.09	0.09	0.09
2010	Nearshore	ngf.	Other ngf.	Red rock crab	14.06	0.17	0.17	14.24	14.24
2010	Nearshore	ngf.	Other ngf.	Red urchin	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Rock crab	0.00	0.28	0.28	0.28	0.28
2010	Nearshore	ngf.	Other ngf.	Rock greenling	0.03	0.00	0.00	0.03	0.03
2010	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.02	1.10	1.10	1.12	1.12
2010	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.23	0.23	0.23	0.23
2010	Nearshore	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2010	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	24.59	24.59	24.59	24.59
2010	Nearshore	ngf.	Other ngf.	Shark, unid.	0.25	0.00	0.00	0.25	0.25
2010	Nearshore	ngf.	Other ngf.	Sheep crab	0.00	0.09	0.09	0.09	0.09
2010	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.02	0.00	0.00	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Skate, unid.	0.15	0.00	0.00	0.15	0.15
2010	Nearshore	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.57	0.57	0.57	0.57
2010	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Spot prawn	3.85	0.00	0.00	3.85	3.85

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.02	0.02	0.02	0.02
2010	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.07	0.00	0.00	0.07	0.07
2010	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.30	0.30	0.30	0.30
2010	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.04	0.04	0.04	0.04
2010	Nearshore	ngf.	Other ngf.	White croaker	0.13	0.04	0.04	0.17	0.17
2010	Nearshore	ngf.	Other ngf.	White sea bass	0.64	0.00	0.00	0.64	0.64
2010	Nearshore	ngf.	Other ngf.	Wolf-eel	0.01	0.07	0.07	0.08	0.08
2010	Nearshore	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2010	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.03	0.00	0.00	0.03	0.03
2010	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.71	27.46	27.46	28.17	28.17
2010	OA FG – H&L	gf.	Big skate	Big skate	0.00	0.05	0.05	0.05	0.05
2010	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.26	0.00	0.00	0.26	0.26
2010	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.52	0.00	0.00	0.52	0.52
2010	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.03	0.00	0.00	1.03	1.03
2010	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.10	0.00	0.00	0.10	0.10
2010	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.18	0.00	0.00	0.18	0.18
2010	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.48	4.48	4.48	5.97	5.97
2010	OA FG – H&L	gf.	Dover sole	Dover sole	0.43	1.44	1.44	1.87	1.87
2010	OA FG – H&L	gf.	ECS	Black skate	0.00	0.48	0.48	0.48	0.48
2010	OA FG – H&L	gf.	ECS	CA grenadier	0.00	9.89	9.89	9.89	9.89
2010	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.79	0.79	0.79	0.79
2010	OA FG – H&L	gf.	ECS	Grenadier, unid.	8.93	1.79	1.79	10.71	10.71
2010	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.36	0.36	0.36	0.36
2010	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	0.12	0.12	0.12	0.12
2010	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.13	0.13	0.13	0.13
2010	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.25	0.25	0.25	0.25
2010	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	11.46	0.07	0.01	11.53	11.46
2010	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	1.35	0.00	0.00	1.35	1.35
2010	OA FG – H&L	gf.	Longnose skate	Longnose skate	4.97	10.51	5.25	15.48	10.22
2010	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.05	3.57	3.57	3.62	3.62
2010	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.32	0.00	0.00	0.32	0.32
2010	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.04	0.00	0.00	0.04	0.04
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.05	0.00	0.00	0.05	0.05
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.14	0.00	0.00	0.14	0.14
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.08	0.00	0.00	0.08	0.08
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.77	0.00	0.00	0.77	0.77
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.11	0.00	0.00	0.11	0.11
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.26	0.00	0.00	0.26	0.26
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.18	0.00	0.00	0.18	0.18
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.43	0.00	0.00	0.43	0.43
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	5.00	0.00	0.00	5.00	5.00
2010	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.44	0.00	0.00	0.44	0.44
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.18	0.18	0.18	0.36	0.36
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.34	0.61	0.61	1.95	1.95
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.25	0.28	0.28	2.53	2.53
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.16	0.13	0.13	0.29	0.29
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.01	0.01	0.05	0.05
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.13	0.00	0.00	0.13	0.13
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.07	0.00	0.00	0.07	0.07

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2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	44.63	0.33	0.33	44.96	44.96
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.22	0.00	0.00	0.22	0.22
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.12	0.00	0.00	0.12	0.12
2010	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.16	0.58	0.58	0.74	0.74
2010	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.08	0.00	0.00	0.08	0.08
2010	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	1.86	0.00	0.00	1.86	1.86
2010	OA FG – H&L	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.07	0.00	0.00	0.07	0.07
2010	OA FG – H&L	gf.	Other gf.	Leopard shark	0.66	0.00	0.00	0.66	0.66
2010	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.27	0.00	0.00	0.27	0.27
2010	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.11	0.00	0.00	0.11	0.11
2010	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.01	0.22	0.22	0.23	0.23
2010	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.10	0.00	0.00	0.10	0.10
2010	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.17	0.00	0.00	0.17	0.17
2010	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	250.24	46.80	9.36	297.04	259.60
2010	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	401.03	22.79	4.56	423.82	405.59
2010	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.91	36.17	36.17	37.08	37.08
2010	OA FG – H&L	gf.	SST (S of 34°27')	SST	9.72	0.00	0.00	9.72	9.72
2010	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	2.13	9.44	4.72	11.57	6.85
2010	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.24	0.03	0.03	0.27	0.27
2010	OA FG – H&L	ngf.	CA halibut	CA halibut	0.19	0.00	0.00	0.19	0.19
2010	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.21	0.00	0.00	0.21	0.21
2010	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06
2010	OA FG – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.04	0.00	0.00	0.04	0.04
2010	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.03	5.64	5.64	5.67	5.67
2010	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.87	0.87	0.87	0.87
2010	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.08	0.00	0.00	0.08	0.08
2010	OA FG – H&L	ngf.	Other ngf.	CA sheephead	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.03	0.03	0.03	0.03
2010	OA FG – H&L	ngf.	Other ngf.	Giant sea bass	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	OA FG – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.10	0.10	0.10	0.10
2010	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.04	0.04	0.04	0.04
2010	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.09	0.09	0.09	0.09
2010	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.03	0.00	0.00	0.03	0.03
2010	OA FG – H&L	ngf.	Other ngf.	King crab, unid.	0.06	0.00	0.00	0.06	0.06
2010	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.05	0.05	0.05	0.05
2010	OA FG – H&L	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.08	0.00	0.00	0.08	0.08
2010	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	ngf.	Other ngf.	PHLB	0.01	32.06	5.13	32.07	5.14
2010	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.09	0.00	0.00	0.09	0.09
2010	OA FG – H&L	ngf.	Other ngf.	Pacific sardine	0.03	0.00	0.00	0.03	0.03
2010	OA FG – H&L	ngf.	Other ngf.	Red rock crab	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.33	0.33	0.33	0.33
2010	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.02	4.16	4.16	4.18	4.18
2010	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	1.64	0.07	0.07	1.71	1.71
2010	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	0.04	0.00	0.00	0.04	0.04
2010	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.15	0.00	0.00	0.15	0.15
2010	OA FG – H&L	ngf.	Other ngf.	Wolf-eel	0.00	0.06	0.06	0.06	0.06
2010	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	3.31	3.31	3.31	3.31
2010	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.05	0.05	0.05	0.05
2010	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – Pot	gf.	Dover sole	Dover sole	0.04	0.33	0.33	0.37	0.37
2010	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.16	0.04	0.04	0.20	0.20
2010	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.01	0.01	0.01	0.01
2010	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2010	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.87	0.87	0.89	0.89
2010	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.00	0.33	0.16	0.33	0.16
2010	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2010	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.04	0.04	0.04	0.04
2010	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2010	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.05	0.06	0.06	0.11	0.11
2010	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.31	0.25	0.25	1.56	1.56

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.02	0.02	0.04	0.04
2010	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.07	0.00	0.00	0.07	0.07
2010	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.02	0.00	0.00	0.02	0.02
2010	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2010	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02
2010	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.04	0.00	0.00	0.04	0.04
2010	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	152.74	41.05	8.21	193.79	160.95
2010	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	163.65	22.06	4.41	185.72	168.07
2010	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2010	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.00	0.12	0.12	0.12	0.12
2010	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.11	0.11	0.11	0.11
2010	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	1.58	0.00	0.00	1.58	1.58
2010	OA FG – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.09	0.09	0.09	0.09
2010	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	2.71	2.71	2.71	2.71
2010	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.46	0.00	0.00	0.46	0.46
2010	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.06	0.00	0.00	0.06	0.06
2010	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.12	0.12	0.12	0.12
2010	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.50	0.09	0.50	0.09
2010	OA FG – Pot	ngf.	Other ngf.	Red rock crab	3.58	0.00	0.00	3.58	3.58
2010	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	3.09	3.09	3.09	3.09
2010	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2010	OA FG – Pot	ngf.	Other ngf.	Shark, unid.	0.00	16.21	16.21	16.21	16.21
2010	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.03	0.00	0.00	0.03	0.03
2010	OA FG – Pot	ngf.	Other ngf.	Spot prawn	0.63	0.00	0.00	0.63	0.63
2010	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.04	1.04	1.04	1.04
2010	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.00	0.00	0.05	0.05
2010	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2010	PHLB Derby	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2010	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	0.59	0.00	0.00	0.59	0.59
2010	PHLB Derby	gf.	Longnose skate	Longnose skate	0.23	0.00	0.00	0.23	0.23
2010	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2010	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.04	0.00	0.00	0.04	0.04
2010	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.05	0.00	0.00	0.05	0.05
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.42	0.00	0.00	0.42	0.42
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.07	0.00	0.00	0.07	0.07
2010	PHLB Derby	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2010	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2010	PHLB Derby	gf.	Petrale sole	Petrale sole	0.05	0.00	0.00	0.05	0.05
2010	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	8.44	0.00	0.00	8.44	8.44
2010	PHLB Derby	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2010	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.00	0.00	0.03	0.03
2010	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.96	0.00	0.00	0.96	0.96
2010	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	22.25	22.25	22.25	22.25
2010	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	12.50	12.50	12.50	12.50
2010	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	2.99	2.99	2.99	2.99
2010	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	ECS	Black skate	0.00	0.03	0.03	0.03	0.03
2010	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.42	0.42	0.42	0.42
2010	Pink Shrimp	gf.	English sole	English sole	0.00	2.47	2.47	2.47	2.47
2010	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.11	0.11	0.11	0.11
2010	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.45	0.45	0.45	0.45
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	2.01	2.01	2.01	2.01
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	1.15	1.15	1.15	1.15
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.25	0.25	0.25	0.25
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.09	0.09	0.09	0.09
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.05	0.05	0.05	0.05
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.17	0.17	0.17	0.17
2010	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	11.92	11.92	11.92	11.92
2010	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	1.09	1.09	1.09	1.09
2010	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	10.59	10.59	10.59	10.59
2010	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	25.79	25.79	25.79	25.79

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.06	0.06	0.06	0.06
2010	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.00	0.03	0.03	0.03	0.03
2010	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.09	0.09	0.09	0.09
2010	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	399.67	399.67	399.67	399.67
2010	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.06	0.06	0.06	0.06
2010	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	1.24	1.24	1.24	1.24
2010	Pink Shrimp	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	1.35	1.35	1.35	1.35
2010	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.24	0.24	0.24	0.24
2010	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.17	0.17	0.17	0.17
2010	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	16.05	16.05	16.05	16.05
2010	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.07	0.07	0.07	0.07
2010	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.22	0.22	0.22	0.22
2010	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.78	0.78	0.78	0.78
2010	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	118.53	118.53	118.53	118.53
2010	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	1.08	1.08	1.08	1.08
2010	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.46	0.46	0.46	0.46
2010	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.32	0.32	0.32	0.32
2010	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.44	0.44	0.44	0.44
2010	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.03	0.03	0.03	0.03
2010	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	18.45	18.45	18.45	18.45
2010	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	7.16	7.16	7.16	7.16
2010	Pink Shrimp	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	4.52	4.52	4.52	4.52
2010	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	3.50	3.50	3.50	3.50
2010	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.34	0.34	0.34	0.34
2010	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	3.24	3.24	3.24	3.24
2010	Pink Shrimp	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00

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2010	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.07	0.07	0.07	0.07
2010	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Northern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.09	0.09	0.09	0.09
2010	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.58	0.58	0.58	0.58
2010	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.02	0.02	0.02	0.02
2010	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.58	0.58	0.58	0.58
2010	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	6.30	6.30	6.30	6.30
2010	Pink Shrimp	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.47	0.47	0.47	0.47
2010	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.01	1.01	1.01	1.01
2010	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.10	0.10	0.10	0.10
2010	Pink Shrimp	ngf.	Other ngf.	Prowfish	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.15	0.15	0.15	0.15
2010	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.06	0.06	0.06	0.06
2010	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.36	0.36	0.36	0.36
2010	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.04	0.04	0.04	0.04
2010	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.03	0.03	0.03	0.03
2010	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.05	0.05	0.05	0.05
2010	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	14.50	14.50	14.50	14.50
2010	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.94	0.94	0.94	0.94
2010	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.03	0.03	0.03	0.03
2010	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	20356.84	0.00	0.00	20356.84	20356.84
2010	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	432.22	432.22	432.22	432.22
2010	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	Pink Shrimp	ngf.	Shared ECS	Night smelt	0.00	0.50	0.50	0.50	0.50
2010	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	2.54	2.54	2.54	2.54
2010	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2010	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	3.42	3.42	3.42	3.42
2010	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	8.04	8.04
2010	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	1.75	1.75
2010	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.65	0.65
2010	Research	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	1.86	1.86
2010	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	1.74	1.74
2010	Research	gf.	Cowcod rf.	Cowcod rf.	0.00	0.00	0.00	0.13	0.13
2010	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.02	1.02
2010	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	31.09	31.09
2010	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.12	0.12
2010	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.47	2.47
2010	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	15.43	15.43
2010	Research	gf.	Lingcod (N of 42°)	Lingcod	0.00	0.00	0.00	2.24	2.24
2010	Research	gf.	Lingcod (S of 42°)	Lingcod	0.00	0.00	0.00	0.33	0.33
2010	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	1.67	1.67
2010	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	12.83	12.83
2010	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	1.31	1.31
2010	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.37	0.37

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.07	0.07
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.12	0.12
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.10	0.10
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.06	0.06
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	1.90	1.90
2010	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.34	0.34
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.05	0.05
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.29	0.29
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.14	0.14
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	1.53	1.53
2010	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.19	0.19
2010	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.50	0.50
2010	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.02	0.02
2010	Research	gf.	Minor sl. rf. (S of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.03	0.03
2010	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2010	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	7.64	7.64
2010	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	1.18	1.18
2010	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	133.44	133.44
2010	Research	gf.	POP	POP	0.00	0.00	0.00	1.68	1.68
2010	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	2.95	2.95
2010	Research	gf.	Sablefish (Coast)	Sablefish	0.00	0.00	0.00	26.68	26.68
2010	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.77	1.77
2010	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	3.47	3.47
2010	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.71	0.71
2010	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	10.19	10.19
2010	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.89	2.89
2010	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.01	0.01
2010	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	1.41	1.41
2010	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.49	0.49
2010	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	4.18	4.18
2010	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.12	0.12
2010	Research	ngf.	Other ngf.	Flatfish, unid.	0.00	0.00	0.00	16.42	16.42
2010	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.12	0.12
2010	RBPT	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2010	RBPT	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2010	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.03	0.00	0.00	0.03	0.03
2010	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2010	RBPT	gf.	Minor sl. rf. (S of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2010	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	RBPT	gf.	Other flatfish	Flatfish, unid.	4.09	0.00	0.00	4.09	4.09
2010	RBPT	gf.	Other flatfish	Rex sole	0.99	0.00	0.00	0.99	0.99
2010	RBPT	gf.	Other flatfish	Sanddab, unid.	0.22	0.00	0.00	0.22	0.22
2010	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2010	RBPT	ngf.	CA halibut	CA halibut	0.21	0.00	0.00	0.21	0.21
2010	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.03	0.00	0.00	0.03	0.03
2010	RBPT	ngf.	Other ngf.	Crab, unid.	0.37	0.00	0.00	0.37	0.37
2010	RBPT	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2010	RBPT	ngf.	Other ngf.	Market squid	0.62	0.00	0.00	0.62	0.62
2010	RBPT	ngf.	Other ngf.	Mixed species	2.90	0.00	0.00	2.90	2.90
2010	RBPT	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2010	RBPT	ngf.	Other ngf.	Pacific angel shark	0.02	0.00	0.00	0.02	0.02
2010	RBPT	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	RBPT	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2010	RBPT	ngf.	Other ngf.	Red rock crab	0.57	0.00	0.00	0.57	0.57
2010	RBPT	ngf.	Other ngf.	Ridgeback prawn	93.36	0.00	0.00	93.36	93.36
2010	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.57	0.00	0.00	0.57	0.57
2010	RBPT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2010	RBPT	ngf.	Other ngf.	Skate, unid.	0.65	0.00	0.00	0.65	0.65
2010	RBPT	ngf.	Other ngf.	Spot prawn	0.05	0.00	0.00	0.05	0.05
2010	RBPT	ngf.	Other ngf.	White croaker	2.92	0.00	0.00	2.92	2.92
2010	SCT	ngf.	Other ngf.	Sea cucumber, unid.	86.91	0.00	0.00	86.91	86.91
2010	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	9.91	0.00	0.00	9.91	9.91
2010	Shoreside Hake	gf.	Canary rf.	Canary rf.	4.05	0.00	0.00	4.05	4.05
2010	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	7.42	0.00	0.00	7.42	7.42
2010	Shoreside Hake	gf.	Dover sole	Dover sole	1.42	0.00	0.00	1.42	1.42
2010	Shoreside Hake	gf.	ECS	Soupfin shark	0.59	0.00	0.00	0.59	0.59
2010	Shoreside Hake	gf.	ECS	Spotted ratfish	0.09	0.00	0.00	0.09	0.09
2010	Shoreside Hake	gf.	English sole	English sole	0.25	0.00	0.00	0.25	0.25
2010	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	1.60	0.00	0.00	1.60	1.60
2010	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	1.97	0.00	0.00	1.97	1.97
2010	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.15	0.00	0.00	0.15	0.15
2010	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.15	0.00	0.00	0.15	0.15
2010	Shoreside Hake	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	21.48	0.00	0.00	21.48	21.48
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.13	0.00	0.00	0.13	0.13
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.38	0.00	0.00	1.38	1.38
2010	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	13.10	0.00	0.00	13.10	13.10
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.10	0.00	0.00	0.10	0.10
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.64	0.00	0.00	5.64	5.64
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.71	0.00	0.00	1.71	1.71
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	7.81	0.00	0.00	7.81	7.81
2010	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	19.79	0.00	0.00	19.79	19.79
2010	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.03	0.00	0.00	0.03	0.03
2010	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.01	0.00	0.00	0.01	0.01
2010	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.86	0.00	0.00	0.86	0.86

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Shoreside Hake	gf.	Other flatfish	Rex sole	6.85	0.00	0.00	6.85	6.85
2010	Shoreside Hake	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2010	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.10	0.00	0.00	0.10	0.10
2010	Shoreside Hake	gf.	Pacific hake	Pacific hake	62675.37	0.00	0.00	62675.37	62675.37
2010	Shoreside Hake	gf.	POP (N of 40°10')	POP	6.62	0.00	0.00	6.62	6.62
2010	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.07	0.00	0.00	0.07	0.07
2010	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	20.89	0.00	0.00	20.89	20.89
2010	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.33	0.00	0.00	0.33	0.33
2010	Shoreside Hake	gf.	SST (N of 34°27')	SST	11.48	0.00	0.00	11.48	11.48
2010	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	153.15	0.00	0.00	153.15	153.15
2010	Shoreside Hake	gf.	Starry flounder	Starry flounder	0.31	0.00	0.00	0.31	0.31
2010	Shoreside Hake	gf.	Widow rf.	Widow rf.	61.55	0.00	0.00	61.55	61.55
2010	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	199.39	0.00	0.00	199.39	199.39
2010	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.47	0.00	0.00	0.47	0.47
2010	Shoreside Hake	ngf.	Other ngf.	American shad	6.97	0.00	0.00	6.97	6.97
2010	Shoreside Hake	ngf.	Other ngf.	Bivalve, unid.	0.36	0.00	0.00	0.36	0.36
2010	Shoreside Hake	ngf.	Other ngf.	Brown cat shark	11.27	0.00	0.00	11.27	11.27
2010	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.68	0.00	0.00	0.68	0.68
2010	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	3.95	0.00	0.00	3.95	3.95
2010	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2010	Shoreside Hake	ngf.	Other ngf.	Market squid	7.54	0.00	0.00	7.54	7.54
2010	Shoreside Hake	ngf.	Other ngf.	Mixed species	1.36	0.00	0.00	1.36	1.36
2010	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Pacific herring	48.20	0.00	0.00	48.20	48.20
2010	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2010	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.03	0.00	0.00	0.03	0.03
2010	Shoreside Hake	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	18.80	0.00	0.00	18.80	18.80
2010	Shoreside Hake	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2010	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.81	0.00	0.00	0.81	0.81
2010	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	99.71	0.00	0.00	99.71	99.71
2010	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	1.34	0.00	0.00	1.34	1.34
2010	Shoreside Hake	ngf.	Other ngf.	White sturgeon	0.02	0.00	0.00	0.02	0.02
2010	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	2.04	3.06	3.06	5.10	5.10
2010	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.05	0.05	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.49	0.22	0.22	0.71	0.71
2010	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.33	0.30	0.30	0.63	0.63
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.35	0.29	0.29	0.64	0.64
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.16	0.01	0.01	0.16	0.16
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.04	0.01	0.01	0.05	0.05
2010	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2010	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2010	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	16206.16	109.22	109.22	16315.38	16315.38
2010	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	0.39	0.02	0.02	0.40	0.40
2010	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	1.73	120.23	120.23	121.96	121.96
2010	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	4.86	0.59	0.59	5.45	5.45
2010	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	79.88	2.89	2.89	82.78	82.78
2010	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.08	0.01	0.01	0.09	0.09
2010	Tribal A-S Hake	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2010	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2010	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.02	0.02	0.02	0.02
2010	Tribal A-S Hake	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.35	0.35	0.35	0.35
2010	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.06	0.02	0.02	0.08	0.08
2010	Tribal A-S Hake	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Pacific mackerel	0.05	0.00	0.00	0.05	0.05
2010	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2010	Tribal A-S Hake	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	0.03	0.03	0.03	0.03
2010	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	0.04	0.09	0.09	0.13	0.13
2010	Tribal A-S Hake	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	3.32	0.00	0.00	3.32	3.32
2010	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Tribal Shoreside	gf.	Canary rf.	Canary rf.	8.21	0.00	0.00	8.21	8.21
2010	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.25	0.00	0.00	0.25	0.25
2010	Tribal Shoreside	gf.	Dover sole	Dover sole	57.15	0.00	0.00	57.15	57.15
2010	Tribal Shoreside	gf.	English sole	English sole	62.36	0.00	0.00	62.36	62.36
2010	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	34.27	0.00	0.00	34.27	34.27
2010	Tribal Shoreside	gf.	Longnose skate	Longnose skate	2.21	0.00	0.00	2.21	2.21
2010	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	11.16	0.00	0.00	11.16	11.16
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.39	0.00	0.00	0.39	0.39
2010	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	4.23	0.00	0.00	4.23	4.23
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	18.60	0.00	0.00	18.60	18.60
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.00	0.00	0.02	0.02
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.12	0.00	0.00	1.12	1.12
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.64	0.00	0.00	0.64	0.64
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2010	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04
2010	Tribal Shoreside	gf.	Other flatfish	Rex sole	14.64	0.00	0.00	14.64	14.64
2010	Tribal Shoreside	gf.	Other flatfish	Rock sole	3.21	0.00	0.00	3.21	3.21
2010	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2010	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.30	0.00	0.00	0.30	0.30
2010	Tribal Shoreside	gf.	Pacific cod	Pacific cod	242.47	0.00	0.00	242.47	242.47
2010	Tribal Shoreside	gf.	Pacific hake	Pacific hake	1967.71	0.00	0.00	1967.71	1967.71
2010	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.28	0.00	0.00	0.28	0.28
2010	Tribal Shoreside	gf.	Petrale sole	Petrale sole	30.52	0.00	0.00	30.52	30.52
2010	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	582.68	0.00	0.00	582.68	582.68
2010	Tribal Shoreside	gf.	SST (N of 34°27')	SST	16.13	0.00	0.00	16.13	16.13
2010	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	6.90	0.00	0.00	6.90	6.90
2010	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2010	Tribal Shoreside	gf.	Widow rf.	Widow rf.	46.77	0.00	0.00	46.77	46.77
2010	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.44	0.00	0.00	0.44	0.44
2010	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	539.52	0.00	0.00	539.52	539.52
2010	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1582.08	0.00	0.00	1582.08	1582.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2010	Tribal Shoreside	ngf.	Other ngf.	American shad	0.08	0.00	0.00	0.08	0.08
2010	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2010	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.86	0.00	0.00	0.86	0.86
2010	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.01	0.00	0.00	0.01	0.01
2010	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	23.64	0.00	0.00	23.64	23.64
2010	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2010	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	0.53	0.00	0.00	0.53	0.53
2010	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.09	0.00	0.00	0.09	0.09
2011	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	13.09	24.97	24.97	38.05	38.05
2011	A-S Hake CP	gf.	Big skate	Big skate	0.00	0.13	0.13	0.13	0.13
2011	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.25	0.20	0.20	0.46	0.46
2011	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	8.89	1.42	1.42	10.31	10.31
2011	A-S Hake CP	gf.	Dover sole	Dover sole	0.83	0.10	0.10	0.93	0.93
2011	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.12	0.05	0.05	0.17	0.17
2011	A-S Hake CP	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	ECS	Soupfin shark	0.00	0.12	0.12	0.12	0.12
2011	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.02	0.02
2011	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.03	0.01	0.01	0.04	0.04
2011	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.24	0.04	0.04	0.29	0.29
2011	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.37	0.00	0.00	0.37	0.37
2011	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.08	0.15	0.15	0.22	0.22
2011	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.01	0.01
2011	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.02	0.02	0.04	0.04
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.06	0.03	0.03	0.09	0.09
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	48.86	25.64	25.64	74.49	74.49
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.15	0.03	0.03	0.18	0.18
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	3.81	0.97	0.97	4.79	4.79
2011	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.05	0.01	0.01	0.06	0.06
2011	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	0.13	0.00	0.00	0.13	0.13
2011	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	gf.	Other flatfish	Rex sole	2.92	1.04	1.04	3.96	3.96
2011	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.01	0.01
2011	A-S Hake CP	gf.	Pacific hake	Pacific hake	71336.71	328.26	328.26	71664.96	71664.96

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	A-S Hake CP	gf.	POP (N of 40°10')	POP	3.41	3.11	3.11	6.52	6.52
2011	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	2.08	0.86	0.86	2.95	2.95
2011	A-S Hake CP	gf.	SST (N of 34°27')	SST	10.19	1.67	1.67	11.86	11.86
2011	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	252.13	389.20	389.20	641.33	641.33
2011	A-S Hake CP	gf.	Widow rf.	Widow rf.	9.63	14.47	14.47	24.10	24.10
2011	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	9.36	5.24	5.24	14.60	14.60
2011	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.03	0.00	0.00	0.03	0.03
2011	A-S Hake CP	ngf.	Other ngf.	American shad	12.40	3.38	3.38	15.78	15.78
2011	A-S Hake CP	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.00	0.08	0.08	0.08	0.08
2011	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	17.87	40.21	40.21	58.08	58.08
2011	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.12	0.12	0.12	0.12
2011	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.05	0.02	0.02	0.07	0.07
2011	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.25	0.04	0.04	0.30	0.30
2011	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.03	0.00	0.00	0.03	0.03
2011	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	0.13	0.20	0.20	0.33	0.33
2011	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.02	0.09	0.09	0.11	0.11
2011	A-S Hake CP	ngf.	Other ngf.	King of the salmon	1.03	0.59	0.59	1.62	1.62
2011	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.02	0.01	0.01	0.03	0.03
2011	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.06	0.01	0.01	0.07	0.07
2011	A-S Hake CP	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Longnose lancetfish	0.18	0.13	0.13	0.31	0.31
2011	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.05	0.01	0.01	0.06	0.06
2011	A-S Hake CP	ngf.	Other ngf.	Manefish	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.16	0.06	0.06	0.22	0.22
2011	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.04	0.16	0.16	0.19	0.19
2011	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2011	A-S Hake CP	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.06	0.01	0.01	0.07	0.07
2011	A-S Hake CP	ngf.	Other ngf.	Opah	0.08	0.03	0.03	0.11	0.11
2011	A-S Hake CP	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.49	0.49	0.49	0.49
2011	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.04	0.04	0.04	0.08	0.08
2011	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.48	1.03	1.03	1.51	1.51
2011	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.13	0.04	0.04	0.17	0.17
2011	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.01	0.00	0.00	0.02	0.02
2011	A-S Hake CP	ngf.	Other ngf.	Pelagic octopus, unid.	0.00	0.03	0.03	0.03	0.03
2011	A-S Hake CP	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Prowfish	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake CP	ngf.	Other ngf.	Quillfish	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Ragfish	53.62	39.22	39.22	92.84	92.84
2011	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.04	0.00	0.00	0.04	0.04
2011	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.04	0.00	0.00	0.04	0.04
2011	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.01	0.01	0.01	0.02	0.02
2011	A-S Hake CP	ngf.	Other ngf.	Silver spinyfin	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.02	0.01	0.01	0.03	0.03
2011	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	30.02	28.58	28.58	58.60	58.60
2011	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.09	0.05	0.05	0.14	0.14
2011	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.10	0.03	0.03	0.13	0.13
2011	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.41	0.42	0.42	0.83	0.83
2011	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.08	0.03	0.03	0.11	0.11
2011	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	1.35	0.89	0.89	2.24	2.24
2011	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.67	0.26	0.26	0.93	0.93
2011	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Shared ECS	Rainbow smelt	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Shared ECS	Sand lance	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.01	0.01	0.01	0.02	0.02
2011	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	3.36	3.88	3.88	7.24	7.24
2011	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.04	0.04	0.04	0.04
2011	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.02	0.06	0.06	0.08	0.08
2011	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	1.00	0.70	0.70	1.70	1.70
2011	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.12	0.13	0.13	0.25	0.25
2011	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.03	0.06	0.06	0.08	0.08
2011	A-S Hake MSCV	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.02	0.10	0.10	0.12	0.12
2011	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.02	0.10	0.10	0.12	0.12
2011	A-S Hake MSCV	gf.	LST (N of 34°27')	LST	0.00	0.02	0.02	0.02	0.02
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.15	0.15	0.17	0.17
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Dusky rf.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.03	0.03	0.03	0.03
2011	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.22	0.22	0.23	0.23
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.87	1.18	1.18	4.05	4.05
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	3.42	3.72	3.72	7.14	7.14
2011	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Other flatfish	Rex sole	1.63	0.29	0.29	1.92	1.92
2011	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	49970.61	179.01	179.01	50149.62	50149.62
2011	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.32	0.34	0.34	0.66	0.66
2011	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	1.74	0.31	0.31	2.04	2.04
2011	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.36	1.09	1.09	1.45	1.45
2011	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	39.16	46.02	46.02	85.18	85.18
2011	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	1.16	11.72	11.72	12.87	12.87
2011	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	6.27	60.54	60.54	66.80	66.80
2011	A-S Hake MSCV	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	American shad	9.79	8.24	8.24	18.03	18.03
2011	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.22	0.22	0.22	0.22
2011	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	13.13	11.70	11.70	24.83	24.83
2011	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.54	0.54	0.54	0.54
2011	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	8.53	5.40	5.40	13.93	13.93
2011	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2011	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.67	1.57	1.57	2.23	2.23
2011	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Longnose lancetfish	0.00	0.02	0.02	0.02	0.02
2011	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.01	0.02	0.02	0.03	0.03
2011	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.02	0.02
2011	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.14	0.14	0.14	0.14
2011	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.08	0.08	0.08	0.08
2011	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.10	0.10	0.11	0.11
2011	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.14	0.01	0.01	0.15	0.15
2011	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.32	0.32	0.32	0.32
2011	A-S Hake MSCV	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.30	2.45	2.45	2.75	2.75
2011	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	0.13	0.13	0.13	0.13
2011	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	8.38	11.29	11.29	19.66	19.66

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.01	0.00	0.00	0.01	0.01
2011	A-S Hake MSCV	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.02	0.04	0.04	0.06	0.06
2011	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.01	0.01	0.01	0.02	0.02
2011	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2011	A-S Hake MSCV	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Arrowtooth flounder	Arrowtooth flounder	2261.74	249.30	249.30	2511.04	2511.04
2011	CS – BT and MWT	gf.	Big skate	Big skate	0.00	31.37	15.68	31.37	15.68
2011	CS – BT and MWT	gf.	Black rf. (OR)	Black rf.	0.03	0.01	0.01	0.04	0.04
2011	CS – BT and MWT	gf.	Black rf. (WA)	Black rf.	0.70	0.00	0.00	0.70	0.70
2011	CS – BT and MWT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	5.30	0.01	0.01	5.31	5.31
2011	CS – BT and MWT	gf.	Canary rf.	Canary rf.	2.68	0.17	0.17	2.85	2.85
2011	CS – BT and MWT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	292.42	25.00	25.00	317.41	317.41
2011	CS – BT and MWT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.01	0.00	0.00	0.02	0.02
2011	CS – BT and MWT	gf.	Darkblotched rf.	Darkblotched rf.	87.53	1.71	1.71	89.24	89.24
2011	CS – BT and MWT	gf.	Dover sole	Dover sole	7682.89	157.39	157.39	7840.27	7840.27
2011	CS – BT and MWT	gf.	ECS	Abyssal grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	ECS	Alaska skate	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	ECS	Aleutian skate	0.00	1.65	1.65	1.65	1.65
2011	CS – BT and MWT	gf.	ECS	Black skate	0.00	24.11	24.11	24.11	24.11
2011	CS – BT and MWT	gf.	ECS	CA grenadier	0.00	1.08	1.08	1.08	1.08
2011	CS – BT and MWT	gf.	ECS	CA skate	0.35	2.03	2.03	2.39	2.39
2011	CS – BT and MWT	gf.	ECS	Deepsea skate	0.00	0.82	0.82	0.82	0.82
2011	CS – BT and MWT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	ECS	Ghostly grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	ECS	Giant grenadier	0.00	86.85	86.85	86.85	86.85
2011	CS – BT and MWT	gf.	ECS	Grenadier, unid.	68.50	8.49	8.49	76.99	76.99
2011	CS – BT and MWT	gf.	ECS	Pacific flatnose	0.00	2.95	2.95	2.95	2.95
2011	CS – BT and MWT	gf.	ECS	Pacific grenadier	20.78	51.52	51.52	72.30	72.30
2011	CS – BT and MWT	gf.	ECS	Popeye grenadier	0.00	0.09	0.09	0.09	0.09
2011	CS – BT and MWT	gf.	ECS	Roughshoulder/broad skate	0.00	0.03	0.03	0.03	0.03
2011	CS – BT and MWT	gf.	ECS	Sandpaper skate	0.11	31.13	31.13	31.24	31.24
2011	CS – BT and MWT	gf.	ECS	Shoulderspot grenadier	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	ECS	Soupfin shark	0.40	0.03	0.03	0.43	0.43

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	gf.	ECS	Spotted ratfish	0.36	70.22	70.22	70.57	70.57
2011	CS – BT and MWT	gf.	ECS	White skate	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	ECS	Yaquina grenadier	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	gf.	English sole	English sole	108.00	29.47	29.47	137.47	137.47
2011	CS – BT and MWT	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Lingcod (N of 40°10')	Lingcod	235.30	39.24	19.62	274.54	254.92
2011	CS – BT and MWT	gf.	Lingcod (S of 40°10')	Lingcod	6.00	1.26	0.63	7.25	6.62
2011	CS – BT and MWT	gf.	Longnose skate	Longnose skate	759.31	87.33	43.66	846.64	802.97
2011	CS – BT and MWT	gf.	LST (N of 34°27')	LST	900.97	42.30	42.30	943.27	943.27
2011	CS – BT and MWT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2011	CS – BT and MWT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.03	0.03	0.03	0.06	0.06
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.33	0.00	0.00	0.33	0.33
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.32	0.11	0.11	1.43	1.43
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.02	0.01	0.01	0.02	0.02
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	7.00	1.79	1.79	8.79	8.79
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.13	0.03	0.03	0.15	0.15
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	1.23	0.71	0.71	1.93	1.93
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	2.27	0.00	0.00	2.27	2.27
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.29	0.00	0.00	0.29	0.29
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.28	0.08	0.08	0.36	0.36
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.03	0.03	0.04	0.04
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.33	0.33	0.35	0.35
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.05	0.05	0.05	0.05
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.02	0.03	0.03	0.05	0.05
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	2.42	2.42	2.42	2.42
2011	CS – BT and MWT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	18.52	1.90	1.90	20.42	20.42
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.26	0.00	0.00	0.26	0.26
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	3.13	0.02	0.02	3.14	3.14
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	4.29	0.30	0.30	4.60	4.60
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	52.32	0.04	0.04	52.36	52.36
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.83	0.66	0.66	1.49	1.49
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	22.57	0.03	0.03	22.59	22.59
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.03	0.00	0.00	0.03	0.03
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.10	0.42	0.42	1.52	1.52
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	5.77	3.23	3.23	9.00	9.00
2011	CS – BT and MWT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.42	0.00	0.00	1.42	1.42
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	5.26	0.75	0.75	6.01	6.01
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	27.77	0.05	0.05	27.82	27.82
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	14.23	0.04	0.04	14.27	14.27
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.16	0.03	0.03	0.19	0.19
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.60	0.06	0.06	1.66	1.66
2011	CS – BT and MWT	gf.	Minor sl. rf. (S of 40°10')	Spotted rf., unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	Mixed thornyheads	SST/LST	0.00	4.67	4.67	4.67	4.67
2011	CS – BT and MWT	gf.	Other flatfish	Butter sole	0.06	0.79	0.79	0.85	0.85
2011	CS – BT and MWT	gf.	Other flatfish	Curlfin sole	0.37	0.60	0.60	0.97	0.97
2011	CS – BT and MWT	gf.	Other flatfish	Flatfish, unid.	6.04	0.47	0.47	6.51	6.51
2011	CS – BT and MWT	gf.	Other flatfish	Flathead sole	3.63	2.74	2.74	6.37	6.37
2011	CS – BT and MWT	gf.	Other flatfish	Pacific sanddab	136.92	94.27	94.27	231.19	231.19
2011	CS – BT and MWT	gf.	Other flatfish	Rex sole	357.47	21.90	21.90	379.37	379.37
2011	CS – BT and MWT	gf.	Other flatfish	Rock sole	2.20	0.42	0.42	2.62	2.62
2011	CS – BT and MWT	gf.	Other flatfish	Sand sole	64.86	0.34	0.34	65.20	65.20
2011	CS – BT and MWT	gf.	Other flatfish	Sanddab, unid.	3.38	1.09	1.09	4.47	4.47
2011	CS – BT and MWT	gf.	Other gf.	Cabezon (WA)	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Other gf.	Kelp greenling (CA)	0.01	0.00	0.00	0.01	0.01
2011	CS – BT and MWT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	gf.	Pacific cod	Pacific cod	251.34	0.01	0.01	251.35	251.35
2011	CS – BT and MWT	gf.	Pacific hake	Pacific hake	26.50	193.10	193.10	219.60	219.60
2011	CS – BT and MWT	gf.	POP (N of 40°10')	POP	46.07	0.39	0.39	46.46	46.46

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2011	CS – BT and MWT	gf.	Petrale sole	Petrale sole	795.65	16.43	16.43	812.08	812.08
2011	CS – BT and MWT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	gf.	Sablefish (N of 36°)	Sablefish	1660.20	9.37	4.69	1669.57	1664.88
2011	CS – BT and MWT	gf.	Sablefish (S of 36°)	Sablefish	17.03	0.00	0.00	17.03	17.03
2011	CS – BT and MWT	gf.	Shortbelly rf.	Shortbelly rf.	0.43	10.12	10.12	10.55	10.55
2011	CS – BT and MWT	gf.	SST (N of 34°27')	SST	699.04	3.67	3.67	702.71	702.71
2011	CS – BT and MWT	gf.	Spiny dogfish	Spiny dogfish shark	80.65	298.03	298.03	378.69	378.69
2011	CS – BT and MWT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	8.62	30.90	30.90	39.52	39.52
2011	CS – BT and MWT	gf.	Starry flounder	Starry flounder	8.14	0.60	0.60	8.73	8.73
2011	CS – BT and MWT	gf.	Widow rf.	Widow rf.	14.44	0.08	0.08	14.52	14.52
2011	CS – BT and MWT	gf.	Yelloweye rf.	Yelloweye rf.	0.04	0.01	0.01	0.05	0.05
2011	CS – BT and MWT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	314.22	0.04	0.04	314.26	314.26
2011	CS – BT and MWT	ngf.	CA halibut	CA halibut	0.01	0.00	0.00	0.01	0.01
2011	CS – BT and MWT	ngf.	Dungeness crab	Dungeness crab	0.05	151.62	151.62	151.67	151.67
2011	CS – BT and MWT	ngf.	Non-FMP flatfish	Deepsea sole	1.96	18.22	18.22	20.18	20.18
2011	CS – BT and MWT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.01	0.00	0.00	0.01	0.01
2011	CS – BT and MWT	ngf.	Non-FMP flatfish	Slender sole	0.00	19.63	19.63	19.63	19.63
2011	CS – BT and MWT	ngf.	Other ngf.	American shad	0.12	1.41	1.41	1.52	1.52
2011	CS – BT and MWT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Anemone, unid.	0.00	29.75	29.75	29.75	29.75
2011	CS – BT and MWT	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Armed box crab	0.00	0.52	0.52	0.52	0.52
2011	CS – BT and MWT	ngf.	Other ngf.	Atka mackerel	0.00	0.03	0.03	0.03	0.03
2011	CS – BT and MWT	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.01	0.01	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Bat ray	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Bigeye starsnout poacher	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Bigfin eelpout	0.00	1.86	1.86	1.86	1.86
2011	CS – BT and MWT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Black coral	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Black eelpout	0.00	0.05	0.05	0.05	0.05
2011	CS – BT and MWT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Blackchin, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Blob sculpin	0.00	0.28	0.28	0.28	0.28
2011	CS – BT and MWT	ngf.	Other ngf.	Blue shark	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.23	0.23	0.23	0.23
2011	CS – BT and MWT	ngf.	Other ngf.	Brown box crab	0.00	0.66	0.66	0.66	0.66
2011	CS – BT and MWT	ngf.	Other ngf.	Brown cat shark	0.28	30.50	30.50	30.78	30.78
2011	CS – BT and MWT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.06	0.06	0.06	0.06
2011	CS – BT and MWT	ngf.	Other ngf.	Bull sculpin	0.00	0.21	0.21	0.21	0.21
2011	CS – BT and MWT	ngf.	Other ngf.	CA butterfly ray	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	CA king crab	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	CA slickhead	0.00	16.98	16.98	16.98	16.98
2011	CS – BT and MWT	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.60	0.60	0.60	0.60
2011	CS – BT and MWT	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Combfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Coral, unid.	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Crab, unid.	0.00	0.74	0.74	0.74	0.74
2011	CS – BT and MWT	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.11	0.11	0.11	0.11
2011	CS – BT and MWT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Deepsea spider crab	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Echinoderm, unid.	0.46	0.00	0.00	0.46	0.46
2011	CS – BT and MWT	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Eelpout, unid.	0.00	21.66	21.66	21.66	21.66
2011	CS – BT and MWT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Filetail cat shark	0.00	3.03	3.03	3.03	3.03
2011	CS – BT and MWT	ngf.	Other ngf.	Fish, unid.	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Giant wrymouth	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Invertebrate, unid.	0.00	30.86	30.86	30.86	30.86
2011	CS – BT and MWT	ngf.	Other ngf.	Irregular echinoid	0.00	0.11	0.11	0.11	0.11
2011	CS – BT and MWT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Jack mackerel	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.32	0.32	0.32	0.32
2011	CS – BT and MWT	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	King crab, unid.	0.00	0.03	0.03	0.03	0.03
2011	CS – BT and MWT	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Longnose cat shark	0.00	3.96	3.96	3.96	3.96
2011	CS – BT and MWT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Longspine combfish	0.00	0.13	0.13	0.13	0.13
2011	CS – BT and MWT	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.06	0.06	0.06	0.06
2011	CS – BT and MWT	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Market squid	0.18	0.00	0.00	0.18	0.18
2011	CS – BT and MWT	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.10	0.10	0.10	0.10
2011	CS – BT and MWT	ngf.	Other ngf.	Mixed species	4.56	0.00	0.00	4.56	4.56
2011	CS – BT and MWT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.03	0.03	0.03	0.03
2011	CS – BT and MWT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.06	0.06	0.06	0.06
2011	CS – BT and MWT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.05	0.05	0.05	0.05
2011	CS – BT and MWT	ngf.	Other ngf.	Octopus, unid.	0.73	4.68	4.68	5.41	5.41
2011	CS – BT and MWT	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific electric ray	0.00	0.70	0.70	0.70	0.70
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	PHLB	0.02	64.12	31.28	64.14	31.30
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific mackerel	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific sardine	0.01	0.07	0.07	0.08	0.08
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific sleeper shark	0.00	4.11	4.11	4.11	4.11
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific snake eel	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.21	0.21	0.21	0.21
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Pallid eelpout	0.00	0.09	0.09	0.09	0.09
2011	CS – BT and MWT	ngf.	Other ngf.	Pile surfperch	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Pink surfperch	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Poacher, unid.	0.00	0.05	0.05	0.05	0.05
2011	CS – BT and MWT	ngf.	Other ngf.	Prickleback poacher	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Prowfish	0.00	0.05	0.05	0.05	0.05
2011	CS – BT and MWT	ngf.	Other ngf.	Ragfish	0.00	0.21	0.21	0.21	0.21
2011	CS – BT and MWT	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Roughback sculpin	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Scaly dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Scarlet king crab	0.00	0.24	0.24	0.24	0.24
2011	CS – BT and MWT	ngf.	Other ngf.	Sculpin, unid.	0.03	1.63	1.63	1.65	1.65
2011	CS – BT and MWT	ngf.	Other ngf.	Sea cucumber, unid.	0.04	1.13	1.13	1.17	1.17
2011	CS – BT and MWT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Sea pansy	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Sea pen	0.00	0.03	0.03	0.03	0.03
2011	CS – BT and MWT	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.43	0.43	0.43	0.43
2011	CS – BT and MWT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Sea star, unid.	0.00	14.82	14.82	14.82	14.82
2011	CS – BT and MWT	ngf.	Other ngf.	Sea whip	0.00	0.26	0.26	0.26	0.26
2011	CS – BT and MWT	ngf.	Other ngf.	Shark, unid.	0.12	25.91	25.91	26.03	26.03
2011	CS – BT and MWT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Sixgill shark	0.00	0.08	0.08	0.08	0.08
2011	CS – BT and MWT	ngf.	Other ngf.	Skate, unid.	273.32	7.69	7.69	281.00	281.00
2011	CS – BT and MWT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00

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2011	CS – BT and MWT	ngf.	Other ngf.	Slickhead, unid.	0.00	1.02	1.02	1.02	1.02
2011	CS – BT and MWT	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Snailfish, unid.	0.00	2.28	2.28	2.28	2.28
2011	CS – BT and MWT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Sponge, unid.	0.00	5.56	5.56	5.56	5.56
2011	CS – BT and MWT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Squid, unid.	1.63	5.10	5.10	6.73	6.73
2011	CS – BT and MWT	ngf.	Other ngf.	Starry skate	0.00	0.07	0.07	0.07	0.07
2011	CS – BT and MWT	ngf.	Other ngf.	Stony coral	0.00	0.12	0.12	0.12	0.12
2011	CS – BT and MWT	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.02	0.02	0.02	0.02
2011	CS – BT and MWT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.76	0.76	0.76	0.76
2011	CS – BT and MWT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.04	0.04	0.04	0.04
2011	CS – BT and MWT	ngf.	Other ngf.	Twoline eelpout	0.00	2.22	2.22	2.22	2.22
2011	CS – BT and MWT	ngf.	Other ngf.	Urchin, unid.	0.00	3.94	3.94	3.94	3.94
2011	CS – BT and MWT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Walleye pollock	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	White croaker	0.07	0.00	0.00	0.07	0.07
2011	CS – BT and MWT	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Other ngf.	Wolf-eel	0.02	0.01	0.01	0.03	0.03
2011	CS – BT and MWT	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – BT and MWT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Rainbow smelt	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Smelt, unid.	0.00	0.03	0.03	0.03	0.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – BT and MWT	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.00	0.00	0.00	0.00
2011	CS – BT and MWT	ngf.	Tanner crab	Tanner crab, unid.	0.23	21.04	21.04	21.27	21.27
2011	CS – BT and MWT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	184.95	184.95	184.95	184.95
2011	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.09	1.01	1.01	1.10	1.10
2011	CS – H&L	gf.	Big skate	Big skate	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.25	0.12	0.12	0.37	0.37
2011	CS – H&L	gf.	Dover sole	Dover sole	0.07	0.27	0.27	0.33	0.33
2011	CS – H&L	gf.	ECS	Aleutian skate	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	gf.	ECS	Black skate	0.00	0.61	0.61	0.61	0.61
2011	CS – H&L	gf.	ECS	CA skate	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	ECS	Deepsea skate	0.00	0.14	0.14	0.14	0.14
2011	CS – H&L	gf.	ECS	Giant grenadier	0.00	2.97	2.97	2.97	2.97
2011	CS – H&L	gf.	ECS	Grenadier, unid.	0.54	7.61	7.61	8.15	8.15
2011	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.49	0.49	0.49	0.49
2011	CS – H&L	gf.	ECS	Pacific grenadier	0.00	8.23	8.23	8.23	8.23
2011	CS – H&L	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.10	0.10	0.10	0.10
2011	CS – H&L	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2011	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.05	0.00	0.36	0.31
2011	CS – H&L	gf.	Longnose skate	Longnose skate	0.43	14.65	7.33	15.08	7.76
2011	CS – H&L	gf.	LST (N of 34°27')	LST	0.29	0.53	0.53	0.82	0.82
2011	CS – H&L	gf.	LST (S of 34°27')	LST	0.06	0.32	0.32	0.39	0.39
2011	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.28	0.28	0.33	0.33
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.55	0.06	0.06	0.61	0.61
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	6.32	8.01	8.01	14.33	14.33
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.22	0.18	0.18	0.40	0.40
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.14	0.14	0.14	0.14
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.22	0.00	0.00	0.22	0.22
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2011	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2011	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.92	0.01	0.01	0.92	0.92
2011	CS – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.02	0.02	0.02	0.02
2011	CS – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.15	0.15	0.15	0.15
2011	CS – H&L	gf.	POP (N of 40°10')	POP	0.01	0.03	0.03	0.04	0.04
2011	CS – H&L	gf.	Petrale sole	Petrale sole	0.00	0.03	0.03	0.03	0.03
2011	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	158.98	5.55	1.11	164.53	160.09
2011	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	145.61	2.42	0.48	148.03	146.09
2011	CS – H&L	gf.	SST (N of 34°27')	SST	12.15	0.67	0.67	12.82	12.82
2011	CS – H&L	gf.	SST (S of 34°27')	SST	8.23	0.22	0.22	8.45	8.45
2011	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.04	26.76	13.38	26.80	13.42
2011	CS – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2011	CS – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	4.20	4.20	4.20	4.20
2011	CS – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.35	0.35	0.35	0.35
2011	CS – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	1.47	1.47	1.47	1.47
2011	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.20	0.20	0.20	0.20
2011	CS – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	PHLB	0.00	6.06	0.97	6.06	0.97
2011	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.02	0.02	0.02	0.02
2011	CS – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.05	0.05	0.05	0.05
2011	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Shark, unid.	0.00	7.89	7.89	7.89	7.89
2011	CS – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.09	1.29	1.29	1.38	1.38
2011	CS – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2011	CS – H&L	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2011	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.22	0.15	0.15	0.36	0.36
2011	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.00	0.00	0.05	0.05
2011	CS – Pot	gf.	Dover sole	Dover sole	0.73	0.31	0.31	1.05	1.05
2011	CS – Pot	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	ECS	CA grenadier	0.00	0.12	0.12	0.12	0.12
2011	CS – Pot	gf.	ECS	Giant grenadier	0.00	0.56	0.56	0.56	0.56
2011	CS – Pot	gf.	ECS	Grenadier, unid.	0.00	0.20	0.20	0.21	0.21
2011	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.04	0.04	0.04	0.04
2011	CS – Pot	gf.	ECS	Pacific grenadier	0.00	1.43	1.43	1.43	1.43
2011	CS – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.94	0.09	0.09	3.03	3.03
2011	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2011	CS – Pot	gf.	LST (N of 34°27')	LST	0.04	0.02	0.02	0.05	0.05
2011	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.00	0.00	0.06	0.06
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.52	0.02	0.02	0.54	0.54
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.04	0.04	0.04	0.04
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.75	0.00	0.00	0.75	0.75
2011	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2011	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.75	0.04	0.04	0.80	0.80
2011	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.26	0.00	0.00	0.26	0.26
2011	CS – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2011	CS – Pot	gf.	Petrale sole	Petrale sole	0.09	0.00	0.00	0.09	0.09
2011	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	525.19	7.71	1.54	532.90	526.73
2011	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	284.87	4.07	0.81	288.94	285.68
2011	CS – Pot	gf.	SST (N of 34°27')	SST	0.62	0.19	0.19	0.81	0.81
2011	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.02	0.16	0.16	0.18	0.18
2011	CS – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.59	0.59	0.59	0.59
2011	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06
2011	CS – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.03	0.03	0.03	0.03
2011	CS – Pot	ngf.	Other ngf.	Giant wrymouth	0.01	0.00	0.00	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	0.04	0.04	0.04	0.04
2011	CS – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.16	0.16	0.16	0.16
2011	CS – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2011	CS – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.01	0.09	0.09	0.10	0.10
2011	CS – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	PHLB	0.00	3.36	0.89	3.36	0.89
2011	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.15	0.15	0.15	0.15
2011	CS – Pot	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.03	0.03	0.03	0.03
2011	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.20	0.20	0.20	0.20
2011	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.09	0.09	0.09	0.09
2011	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Shark, unid.	0.00	2.21	2.21	2.21	2.21
2011	CS – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2011	CS – Pot	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.28	0.28	0.28	0.28
2011	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	CS – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	CS – Pot	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.02	0.02	0.02	0.02
2011	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.05	0.05	0.05	0.05
2011	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	3.76	3.76	3.76	3.76
2011	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.98	0.00	0.00	0.98	0.98
2011	Incidental	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Black rf. (CA)	Black rf.	0.04	0.00	0.00	0.04	0.04
2011	Incidental	gf.	Black rf. (OR)	Black rf.	0.10	0.00	0.00	0.10	0.10
2011	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.10	0.00	0.00	0.10	0.10
2011	Incidental	gf.	Cabezon (CA)	Cabezon	0.08	0.00	0.00	0.08	0.08
2011	Incidental	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.28	0.00	0.00	1.28	1.28
2011	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2011	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.12	0.00	0.00	0.12	0.12
2011	Incidental	gf.	Dover sole	Dover sole	4.12	0.00	0.00	4.12	4.12
2011	Incidental	gf.	ECS	Grenadier, unid.	0.27	0.00	0.00	0.27	0.27
2011	Incidental	gf.	ECS	Soupfin shark	1.97	0.00	0.00	1.97	1.97
2011	Incidental	gf.	English sole	English sole	0.10	0.00	0.00	0.10	0.10
2011	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	4.43	0.00	0.00	4.43	4.43
2011	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	0.78	0.00	0.00	0.78	0.78
2011	Incidental	gf.	Longnose skate	Longnose skate	1.05	0.00	0.00	1.05	1.05
2011	Incidental	gf.	LST (N of 34°27')	LST	0.43	0.00	0.00	0.43	0.43
2011	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.05	0.00	0.00	0.05	0.05
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.07	0.00	0.00	0.07	0.07
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.67	0.00	0.00	0.67	0.67
2011	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.13	0.00	0.00	0.13	0.13
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.12	0.00	0.00	0.12	0.12
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.14	0.00	0.00	0.14	0.14
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2011	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2011	Incidental	gf.	Mixed thornyheads	SST/LST	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Other flatfish	Flatfish, unid.	2.75	0.00	0.00	2.75	2.75
2011	Incidental	gf.	Other flatfish	Pacific sanddab	0.35	0.00	0.00	0.35	0.35
2011	Incidental	gf.	Other flatfish	Rex sole	0.11	0.00	0.00	0.11	0.11
2011	Incidental	gf.	Other flatfish	Rock sole	0.08	0.00	0.00	0.08	0.08
2011	Incidental	gf.	Other flatfish	Sand sole	0.44	0.00	0.00	0.44	0.44
2011	Incidental	gf.	Other flatfish	Sanddab, unid.	0.23	0.00	0.00	0.23	0.23
2011	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.01	0.00	0.00	0.01	0.01
2011	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Other gf.	Leopard shark	2.03	0.00	0.00	2.03	2.03
2011	Incidental	gf.	Other rf.	Rockfish, unid.	0.03	0.00	0.00	0.03	0.03
2011	Incidental	gf.	Pacific cod	Pacific cod	0.07	0.00	0.00	0.07	0.07
2011	Incidental	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2011	Incidental	gf.	Petrale sole	Petrale sole	0.37	0.00	0.00	0.37	0.37

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2011	Incidental	gf.	Sablefish (N of 36°)	Sablefish	18.67	0.00	0.00	18.67	18.67
2011	Incidental	gf.	Sablefish (S of 36°)	Sablefish	1.82	0.00	0.00	1.82	1.82
2011	Incidental	gf.	SST (N of 34°27')	SST	0.22	0.00	0.00	0.22	0.22
2011	Incidental	gf.	SST (S of 34°27')	SST	0.14	0.00	0.00	0.14	0.14
2011	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.08	0.00	0.00	0.08	0.08
2011	Incidental	gf.	Starry flounder	Starry flounder	0.16	0.00	0.00	0.16	0.16
2011	Incidental	gf.	Widow rf.	Widow rf.	0.07	0.00	0.00	0.07	0.07
2011	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2011	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.03	0.00	0.00	1.03	1.03
2011	Incidental	ngf.	CA halibut	CA halibut	110.96	0.00	0.00	110.96	110.96
2011	Incidental	ngf.	Dungeness crab	Dungeness crab	24246.29	0.00	0.00	24246.29	24246.29
2011	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.03	0.00	0.00	0.03	0.03
2011	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2011	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	4.47	0.00	0.00	4.47	4.47
2011	Incidental	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2011	Incidental	ngf.	Other ngf.	Albacore tuna	11020.65	0.00	0.00	11020.65	11020.65
2011	Incidental	ngf.	Other ngf.	American shad	6.21	0.00	0.00	6.21	6.21
2011	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	1.36	0.00	0.00	1.36	1.36
2011	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	108.16	0.00	0.00	108.16	108.16
2011	Incidental	ngf.	Other ngf.	Basket cockle	83.38	0.00	0.00	83.38	83.38
2011	Incidental	ngf.	Other ngf.	Bat ray	3.85	0.00	0.00	3.85	3.85
2011	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.35	0.00	0.00	1.35	1.35
2011	Incidental	ngf.	Other ngf.	Bigeye tuna	6.61	0.00	0.00	6.61	6.61
2011	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.59	0.00	0.00	0.59	0.59
2011	Incidental	ngf.	Other ngf.	Blue shark	0.04	0.00	0.00	0.04	0.04
2011	Incidental	ngf.	Other ngf.	Bluefin tuna	118.31	0.00	0.00	118.31	118.31
2011	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	16.93	0.00	0.00	16.93	16.93
2011	Incidental	ngf.	Other ngf.	Butter clam	6.00	0.00	0.00	6.00	6.00
2011	Incidental	ngf.	Other ngf.	CA barracuda	35.91	0.00	0.00	35.91	35.91
2011	Incidental	ngf.	Other ngf.	CA mussel	0.07	0.00	0.00	0.07	0.07
2011	Incidental	ngf.	Other ngf.	CA sheephead	0.20	0.00	0.00	0.20	0.20
2011	Incidental	ngf.	Other ngf.	CA spiny lobster	331.72	0.00	0.00	331.72	331.72
2011	Incidental	ngf.	Other ngf.	Clam, unid.	0.05	0.00	0.00	0.05	0.05
2011	Incidental	ngf.	Other ngf.	Common thresher shark	75.02	0.00	0.00	75.02	75.02
2011	Incidental	ngf.	Other ngf.	Crab, unid.	30.70	0.00	0.00	30.70	30.70
2011	Incidental	ngf.	Other ngf.	Dorado	2.07	0.00	0.00	2.07	2.07
2011	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.43	0.00	0.00	0.43	0.43
2011	Incidental	ngf.	Other ngf.	Eel, unid.	0.37	0.00	0.00	0.37	0.37
2011	Incidental	ngf.	Other ngf.	Gaper clam	16.38	0.00	0.00	16.38	16.38

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2011	Incidental	ngf.	Other ngf.	Ghost shrimp	25.70	0.00	0.00	25.70	25.70
2011	Incidental	ngf.	Other ngf.	Giant sea bass	1.72	0.00	0.00	1.72	1.72
2011	Incidental	ngf.	Other ngf.	Hagfish, unid.	1977.12	0.00	0.00	1977.12	1977.12
2011	Incidental	ngf.	Other ngf.	Jack mackerel	80.05	0.00	0.00	80.05	80.05
2011	Incidental	ngf.	Other ngf.	King crab, unid.	0.43	0.00	0.00	0.43	0.43
2011	Incidental	ngf.	Other ngf.	Mackerel, unid.	0.18	0.00	0.00	0.18	0.18
2011	Incidental	ngf.	Other ngf.	Market squid	121513.78	0.00	0.00	121513.78	121513.78
2011	Incidental	ngf.	Other ngf.	Mixed species	49.05	0.00	0.00	49.05	49.05
2011	Incidental	ngf.	Other ngf.	Mollusc, unid.	56.10	0.00	0.00	56.10	56.10
2011	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.00	0.00	0.02	0.02
2011	Incidental	ngf.	Other ngf.	Mud shrimp	1.11	0.00	0.00	1.11	1.11
2011	Incidental	ngf.	Other ngf.	Northern anchovy	2781.58	0.00	0.00	2781.58	2781.58
2011	Incidental	ngf.	Other ngf.	Octopus, unid.	3.20	0.00	0.00	3.20	3.20
2011	Incidental	ngf.	Other ngf.	Pacific angel shark	9.54	0.00	0.00	9.54	9.54
2011	Incidental	ngf.	Other ngf.	Pacific bonito	110.45	0.00	0.00	110.45	110.45
2011	Incidental	ngf.	Other ngf.	Pacific herring	1566.41	0.00	0.00	1566.41	1566.41
2011	Incidental	ngf.	Other ngf.	Pacific mackerel	1364.39	0.00	0.00	1364.39	1364.39
2011	Incidental	ngf.	Other ngf.	Pacific sardine	46745.79	0.00	0.00	46745.79	46745.79
2011	Incidental	ngf.	Other ngf.	Pink shrimp	41.65	0.00	0.00	41.65	41.65
2011	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.03	0.00	0.00	0.03	0.03
2011	Incidental	ngf.	Other ngf.	Razor clam	92.12	0.00	0.00	92.12	92.12
2011	Incidental	ngf.	Other ngf.	Red rock crab	667.15	0.00	0.00	667.15	667.15
2011	Incidental	ngf.	Other ngf.	Red urchin	5463.73	0.00	0.00	5463.73	5463.73
2011	Incidental	ngf.	Other ngf.	Ridgeback prawn	0.38	0.00	0.00	0.38	0.38
2011	Incidental	ngf.	Other ngf.	Rosy razor clam	0.00	0.00	0.00	0.00	0.00
2011	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.90	0.00	0.00	1.90	1.90
2011	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	256.07	0.00	0.00	256.07	256.07
2011	Incidental	ngf.	Other ngf.	Shark, unid.	0.41	0.00	0.00	0.41	0.41
2011	Incidental	ngf.	Other ngf.	Shrimp, unid.	44.66	0.00	0.00	44.66	44.66
2011	Incidental	ngf.	Other ngf.	Skate, unid.	7.16	0.00	0.00	7.16	7.16
2011	Incidental	ngf.	Other ngf.	Skipjack tuna	0.24	0.00	0.00	0.24	0.24
2011	Incidental	ngf.	Other ngf.	Spot prawn	179.37	0.00	0.00	179.37	179.37
2011	Incidental	ngf.	Other ngf.	Spotted cusk-eel	0.98	0.00	0.00	0.98	0.98
2011	Incidental	ngf.	Other ngf.	Squid, unid.	2.50	0.00	0.00	2.50	2.50
2011	Incidental	ngf.	Other ngf.	Surfperch, unid.	7.36	0.00	0.00	7.36	7.36
2011	Incidental	ngf.	Other ngf.	Swordfish	534.90	0.00	0.00	534.90	534.90
2011	Incidental	ngf.	Other ngf.	Tuna, unid.	0.31	0.00	0.00	0.31	0.31
2011	Incidental	ngf.	Other ngf.	Urchin, unid.	3.05	0.00	0.00	3.05	3.05
2011	Incidental	ngf.	Other ngf.	White croaker	0.27	0.00	0.00	0.27	0.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Incidental	ngf.	Other ngf.	White sea bass	257.14	0.00	0.00	257.14	257.14
2011	Incidental	ngf.	Other ngf.	Yellowfin tuna	3.45	0.00	0.00	3.45	3.45
2011	Incidental	ngf.	Other ngf.	Yellowtail amberjack	2.60	0.00	0.00	2.60	2.60
2011	Incidental	ngf.	Shared ECS	Smelt, unid.	164.71	0.00	0.00	164.71	164.71
2011	LE CA Halibut	gf.	Big skate	Big skate	0.03	3.20	3.20	3.22	3.22
2011	LE CA Halibut	gf.	ECS	CAskate	0.00	0.75	0.75	0.75	0.75
2011	LE CA Halibut	gf.	ECS	Soupfin shark	0.07	0.00	0.00	0.07	0.07
2011	LE CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2011	LE CA Halibut	gf.	English sole	English sole	0.08	0.05	0.05	0.13	0.13
2011	LE CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.01	0.01	0.01	0.01
2011	LE CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.01	0.01	0.01	0.01
2011	LE CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	gf.	Other flatfish	Curlfin sole	0.12	0.32	0.32	0.43	0.43
2011	LE CA Halibut	gf.	Other flatfish	Pacific sanddab	0.05	0.18	0.18	0.24	0.24
2011	LE CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.01	0.01
2011	LE CA Halibut	gf.	Other flatfish	Rock sole	0.05	0.00	0.00	0.05	0.05
2011	LE CA Halibut	gf.	Other flatfish	Sand sole	4.83	0.05	0.05	4.88	4.88
2011	LE CA Halibut	gf.	Other gf.	Leopard shark	0.01	0.08	0.08	0.09	0.09
2011	LE CA Halibut	gf.	Petrale sole	Petrale sole	0.06	0.01	0.01	0.07	0.07
2011	LE CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.05	1.05	1.05	1.05
2011	LE CA Halibut	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	gf.	Starry flounder	Starry flounder	2.82	0.12	0.12	2.93	2.93
2011	LE CA Halibut	ngf.	CA halibut	CAhalibut	11.94	0.04	0.04	11.98	11.98
2011	LE CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	51.45	51.45	51.45	51.45
2011	LE CA Halibut	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.04	0.01	0.01	0.05	0.05
2011	LE CA Halibut	ngf.	Other ngf.	American shad	0.00	0.06	0.06	0.06	0.06
2011	LE CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.12	0.12	0.12	0.12
2011	LE CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Banded guitarfish	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Bat ray	0.00	2.91	2.91	2.91	2.91
2011	LE CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.13	0.13	0.13	0.13
2011	LE CA Halibut	ngf.	Other ngf.	Common thresher shark	0.01	0.07	0.07	0.08	0.08
2011	LE CA Halibut	ngf.	Other ngf.	Croaker, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.04	0.04	0.04	0.04
2011	LE CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	14.63	14.63	14.63	14.63
2011	LE CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2011	LE CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.06	0.06	0.06	0.06
2011	LE CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.20	0.20	0.20	0.20
2011	LE CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.03	0.03	0.03	0.03
2011	LE CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.09	0.09	0.09	0.09
2011	LE CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Shark, unid.	0.00	0.08	0.08	0.08	0.08
2011	LE CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.02	0.02	0.02	0.02
2011	LE CA Halibut	ngf.	Other ngf.	Skate, unid.	0.38	0.00	0.00	0.38	0.38
2011	LE CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.02	0.02	0.02	0.02
2011	LE CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.03	0.03	0.03	0.03
2011	LE CA Halibut	ngf.	Other ngf.	White croaker	0.06	0.00	0.00	0.06	0.06
2011	LE CA Halibut	ngf.	Other ngf.	White sea bass	0.16	0.00	0.00	0.16	0.16
2011	LE CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.01	0.01	0.01	0.01
2011	LE CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2011	LE CA Halibut	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.68	10.90	10.90	12.58	12.58
2011	LE FG DTL – H&L	gf.	Big skate	Big skate	0.00	1.59	1.59	1.59	1.59
2011	LE FG DTL – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	5.77	0.06	0.06	5.83	5.83

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE FG DTL – H&L	gf.	Dover sole	Dover sole	1.14	2.26	2.26	3.40	3.40
2011	LE FG DTL – H&L	gf.	ECS	Black skate	0.11	6.34	6.34	6.45	6.45
2011	LE FG DTL – H&L	gf.	ECS	CAgrenadier	0.00	0.09	0.09	0.09	0.09
2011	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	0.24	0.24	0.24	0.24
2011	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.22	4.50	4.50	4.72	4.72
2011	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	20.81	0.33	0.33	21.14	21.14
2011	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	2.68	2.68	2.68	2.68
2011	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	47.31	47.31	47.31	47.31
2011	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.83	0.83	0.83	0.83
2011	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.01	1.19	1.19	1.20	1.20
2011	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.37	0.08	0.01	1.45	1.38
2011	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	10.45	33.83	16.91	44.28	27.37
2011	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	3.95	1.92	1.92	5.87	5.87
2011	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	19.75	3.37	3.37	23.11	23.11
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.73	0.00	0.00	0.73	0.73
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.01	0.01	0.02	0.02
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.38	0.00	0.00	0.38	0.38
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	4.88	0.00	0.00	4.88	4.88
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.18	0.02	0.02	5.20	5.20
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.32	0.00	0.00	0.32	0.32
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.30	0.00	0.00	0.30	0.30
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.10	0.00	0.00	0.10	0.10
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.19	0.00	0.00	0.19	0.19
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.00	0.00	0.00	1.00	1.00

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2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	71.22	2.28	2.28	73.50	73.50
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.06	0.00	0.00	0.06	0.06
2011	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2011	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.02	0.38	0.38	0.40	0.40
2011	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.06	0.00	0.00	0.06	0.06
2011	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.98	0.00	0.00	0.99	0.99
2011	LE FG DTL – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2011	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.36	0.00	0.00	0.36	0.36
2011	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.04	0.26	0.26	0.29	0.29
2011	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.15	0.00	0.00	0.15	0.15
2011	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.37	0.00	0.00	0.38	0.38
2011	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	365.00	72.04	14.41	437.03	379.41
2011	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	524.74	75.21	15.04	599.94	539.78
2011	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	40.11	1.11	1.11	41.21	41.21
2011	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	160.87	11.64	11.64	172.51	172.51
2011	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	2.90	46.30	23.15	49.20	26.05
2011	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.53	0.53	0.54	0.54
2011	LE FG DTL – H&L	ngf.	CA halibut	CAhalibut	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.16	0.16	0.16	0.16
2011	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.04	0.00	0.00	0.04	0.04
2011	LE FG DTL – H&L	ngf.	Other ngf.	Bass, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Other ngf.	Bat ray	0.00	0.03	0.03	0.03	0.03
2011	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.14	0.14	0.14	0.14
2011	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	2.24	2.24	2.24	2.24
2011	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.07	0.00	0.00	0.07	0.07
2011	LE FG DTL – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	3.44	3.44	3.44	3.44
2011	LE FG DTL – H&L	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.05	0.05	0.05	0.05
2011	LE FG DTL – H&L	ngf.	Other ngf.	CAking crab	0.00	0.03	0.03	0.03	0.03
2011	LE FG DTL – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.36	0.36	0.36	0.36
2011	LE FG DTL – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.92	0.92	0.92	0.92
2011	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.07	0.00	0.00	0.07	0.07
2011	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.02	0.02	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	4.47	4.47	4.47	4.47
2011	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.67	0.67	0.67	0.67
2011	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	5.81	5.81	5.81	5.81
2011	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	1.27	1.27	1.27	1.27
2011	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – H&L	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.03	0.03	0.04	0.04
2011	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	1.78	1.78	1.78	1.78
2011	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	21.30	3.20	21.30	3.20
2011	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.67	0.67	0.67	0.67
2011	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.16	0.16	0.16	0.16
2011	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.21	1.21	1.21	1.21
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.59	0.59	0.59	0.59
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.24	85.54	85.54	85.78	85.78
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.12	0.12	0.12	0.12
2011	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	3.74	0.00	0.00	3.74	3.74
2011	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.33	0.33	0.33	0.33
2011	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Other ngf.	White croaker	0.00	0.01	0.01	0.02	0.02
2011	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.33	0.33	0.33	0.33
2011	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.06	0.01	0.01	0.06	0.06
2011	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.02	0.05	0.05	0.07	0.07
2011	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE FG DTL – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.02	0.02	0.02	0.02
2011	LE FG DTL – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.11	0.00	0.00	0.11	0.11
2011	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.04	0.04	0.05	0.05
2011	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	14.34	2.73	0.55	17.07	14.89
2011	LE FG DTL – Pot	gf.	Sablefish (S of 36°)	Sablefish	9.77	0.12	0.02	9.89	9.79
2011	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2011	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.20	0.00	0.00	0.20	0.20
2011	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.52	0.04	0.04	0.56	0.56
2011	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2011	LE FG DTL – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Longnose cat shark	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.01	0.01	0.01	0.01
2011	LE FG DTL – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.03	0.03
2011	LE FG DTL – Pot	ngf.	Other ngf.	Shrimp, unid.	0.07	0.00	0.00	0.07	0.07
2011	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.31	35.60	35.60	36.91	36.91
2011	LE Sablefish – H&L	gf.	Big skate	Big skate	0.07	0.81	0.81	0.88	0.88
2011	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.00	0.09	0.09	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	7.25	0.13	0.13	7.38	7.38
2011	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.34	0.55	0.55	1.89	1.89
2011	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.32	0.32	0.32	0.32
2011	LE Sablefish – H&L	gf.	ECS	CAgrenadier	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	18.68	18.68	18.68	18.68
2011	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	5.20	1.23	1.23	6.44	6.44
2011	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.12	0.12	0.12	0.12
2011	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	1.21	1.21	1.21	1.21
2011	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.54	0.54	0.54	0.54
2011	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.28	2.28	2.28	2.28
2011	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	5.98	0.87	0.06	6.85	6.04
2011	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.34	0.00	0.00	0.34	0.34
2011	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	13.85	54.07	27.04	67.92	40.89
2011	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.71	0.02	0.02	0.73	0.73
2011	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.00	0.03	0.03	0.03	0.03
2011	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.14	0.02	0.02	0.15	0.15
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bronzespotted rf.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.02	0.21	0.21	0.23	0.23
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.19	0.17	0.17	0.36	0.36
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.57	0.01	0.01	0.57	0.57
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.03	0.03	0.03	0.03
2011	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.06	0.01	0.01	0.06	0.06
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.20	0.00	0.00	0.20	0.20
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.85	0.08	0.08	0.92	0.92
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.94	1.54	1.54	11.48	11.48
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	31.74	0.89	0.89	32.63	32.63
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	2.47	0.01	0.01	2.48	2.48
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.15	0.15	0.15	0.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.55	0.01	0.01	0.56	0.56
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.09	0.00	0.00	0.09	0.09
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.11	0.19	0.19	0.30	0.30
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	7.93	2.70	2.70	10.63	10.63
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.09	0.09	0.11	0.11
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.20	0.08	0.08	0.28	0.28
2011	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.40	0.00	0.00	0.40	0.40
2011	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.45	0.10	0.10	1.55	1.55
2011	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.01	0.10	0.10	0.11	0.11
2011	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.41	0.02	0.02	0.42	0.42
2011	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.11	0.05	0.05	0.17	0.17
2011	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1132.90	281.01	56.20	1413.92	1189.11
2011	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	20.60	0.00	0.00	20.60	20.60
2011	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	19.28	1.04	1.04	20.32	20.32
2011	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	2.01	0.08	0.08	2.09	2.09
2011	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	4.84	51.49	25.74	56.32	30.58
2011	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2011	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.01	0.04	0.04	0.05	0.05
2011	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.30	0.30	0.30	0.30
2011	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.25	0.08	0.08	0.34	0.34
2011	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.04	0.04	0.04	0.04
2011	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	70.98	70.98	70.98	70.98
2011	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.74	0.74	0.74	0.74
2011	LE Sablefish – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.02	0.00	0.00	0.02	0.02
2011	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.07	0.07	0.07	0.07
2011	LE Sablefish – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.10	0.10	0.10	0.10
2011	LE Sablefish – H&L	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.34	0.34	0.34	0.34
2011	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE Sablefish – H&L	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.10	0.10	0.10	0.10
2011	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	0.00	132.85	11.33	132.85	11.33
2011	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.07	0.07	0.07	0.07
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.43	0.43	0.43	0.43
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.05	24.37	24.37	24.42	24.42
2011	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	5.18	0.00	0.00	5.18	5.18
2011	LE Sablefish – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – H&L	ngf.	Other ngf.	Squid, unid.	0.00	0.17	0.17	0.17	0.17
2011	LE Sablefish – H&L	ngf.	Other ngf.	Sturgeon, unid.	0.00	0.58	0.58	0.58	0.58
2011	LE Sablefish – H&L	ngf.	Other ngf.	Walleye pollock	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.16	0.16	0.16	0.16
2011	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.23	1.08	1.08	1.31	1.31
2011	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.75	0.05	0.05	0.80	0.80
2011	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.12	0.68	0.68	0.80	0.80
2011	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	2.62	2.62	2.62	2.62
2011	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.00	0.15	0.15	0.16	0.16
2011	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.61	0.61	0.61	0.61
2011	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.30	2.10	2.10	3.40	3.40
2011	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2011	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.01	0.01	0.01	0.02	0.02
2011	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.03	0.03	0.06	0.06
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.10	0.25	0.25	0.36	0.36
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.88	0.03	0.03	1.90	1.90
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.45	0.00	0.00	0.45	0.45
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.06	0.00	0.00	1.06	1.06
2011	LE Sablefish – Pot	gf.	Pacific hake	Pacific hake	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2011	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	345.37	148.96	29.79	494.33	375.16
2011	LE Sablefish – Pot	gf.	Sablefish (S of 36°)	Sablefish	26.56	0.00	0.00	26.56	26.56
2011	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.29	0.03	0.03	0.32	0.32
2011	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.41	0.38	0.38	0.79	0.79
2011	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.57	0.57	0.57	0.57
2011	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – Pot	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.10	0.10	0.10	0.10
2011	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.04	0.04	0.04	0.04
2011	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	4.08	0.73	4.08	0.73
2011	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.09	0.09	0.09	0.09
2011	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.02	0.02	0.02	0.02
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.32	0.32	0.32	0.32
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.16	0.16	0.16	0.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.17	0.00	0.00	0.17	0.17
2011	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2011	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2011	LE Sablefish – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.19	0.19	0.19	0.19
2011	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2011	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.86	1.86	1.86	1.86
2011	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	gf.	Big skate	Big skate	0.00	0.03	0.00	0.03	0.00
2011	Nearshore	gf.	Black rf. (CA)	Black rf.	26.46	3.36	1.74	29.82	28.20
2011	Nearshore	gf.	Black rf. (OR)	Black rf.	96.59	2.38	0.53	98.97	97.12
2011	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.52	0.00	0.00	0.52	0.52
2011	Nearshore	gf.	Cabezon (CA)	Cabezon	32.16	4.41	0.31	36.57	32.47
2011	Nearshore	gf.	Cabezon (OR)	Cabezon	29.46	3.58	0.25	33.04	29.71
2011	Nearshore	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	3.24	0.00	0.00	3.24	3.24
2011	Nearshore	gf.	Canary rf.	Canary rf.	0.00	24.90	17.00	24.90	17.00
2011	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2011	Nearshore	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	gf.	ECS	Giant grenadier	0.17	0.00	0.00	0.17	0.17
2011	Nearshore	gf.	ECS	Grenadier, unid.	0.44	0.00	0.00	0.44	0.44
2011	Nearshore	gf.	ECS	Soupfin shark	0.05	0.00	0.00	0.05	0.05
2011	Nearshore	gf.	ECS	Spotted ratfish	0.02	0.07	0.00	0.09	0.02
2011	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	32.61	31.08	2.18	63.68	34.78
2011	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	17.31	34.50	2.42	51.81	19.73
2011	Nearshore	gf.	Longnose skate	Longnose skate	0.07	0.00	0.00	0.07	0.07
2011	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.03	0.00	0.00	0.03	0.03
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	11.70	6.08	2.00	17.78	13.70
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	8.42	0.26	0.07	8.68	8.49
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.60	0.19	0.06	1.78	1.65
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.07	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.19	0.00	0.00	0.19	0.19
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.06	0.00	0.00	0.06	0.06
2011	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.85	0.08	0.03	2.93	2.88
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	12.06	1.82	0.98	13.87	13.04
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	1.97	4.21	2.77	6.18	4.75
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	28.76	1.35	0.84	30.11	29.59
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.15	0.11	0.15	0.11
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.55	2.87	1.77	4.42	3.31
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	3.12	0.31	0.21	3.42	3.32
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	30.23	7.21	4.74	37.44	34.97
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	12.14	0.16	0.09	12.30	12.24
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.72	0.26	0.14	0.98	0.86
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.67	0.48	0.35	1.15	1.03
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.15	0.00	0.00	0.15	0.15
2011	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.94	0.03	0.02	1.96	1.95
2011	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.29	0.00	0.00	0.29	0.29
2011	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.81	0.14	0.06	3.95	3.87
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Chameleon rf.	0.10	0.00	0.00	0.10	0.10
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.05	0.05	0.05	0.05
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.03	0.03	0.03	0.03
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.02	0.02	0.03	0.03
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.08	0.26	0.26	0.34	0.34
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.36	0.00	0.00	0.36	0.36
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.05	0.00	0.00	0.05	0.05
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.12	0.03	0.03	0.15	0.15
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	6.86	0.34	0.23	7.20	7.09
2011	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.19	0.68	0.43	0.88	0.63
2011	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.37	0.00	0.00	0.37	0.37
2011	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Other flatfish	Pacific sanddab	1.14	0.08	0.01	1.23	1.15
2011	Nearshore	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Other flatfish	Rock sole	0.06	0.04	0.00	0.10	0.07
2011	Nearshore	gf.	Other flatfish	Sand sole	0.15	0.56	0.04	0.71	0.19
2011	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Other gf.	Kelp greenling (CA)	2.02	7.78	0.54	9.80	2.56
2011	Nearshore	gf.	Other gf.	Kelp greenling (OR)	20.79	3.46	0.24	24.25	21.03
2011	Nearshore	gf.	Other gf.	Leopard shark	0.18	0.00	0.00	0.18	0.18
2011	Nearshore	gf.	Other rf.	Rockfish, unid.	0.24	0.00	0.00	0.24	0.24
2011	Nearshore	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.03	0.00	0.03	0.00
2011	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	0.96	0.00	0.00	0.96	0.96
2011	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	8.77	0.00	0.00	8.77	8.77
2011	Nearshore	gf.	SST (N of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2011	Nearshore	gf.	SST (S of 34°27')	SST	1.04	0.00	0.00	1.04	1.04
2011	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.03	3.82	0.27	3.85	0.30
2011	Nearshore	gf.	Starry flounder	Starry flounder	0.06	0.00	0.00	0.06	0.06
2011	Nearshore	gf.	Widow rf.	Widow rf.	0.04	0.01	0.01	0.05	0.04
2011	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.58	0.73	1.58	0.73
2011	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.69	0.77	0.21	1.46	0.90
2011	Nearshore	ngf.	CA halibut	CAhalibut	1.26	0.00	0.00	1.26	1.26
2011	Nearshore	ngf.	Dungeness crab	Dungeness crab	1.70	0.09	0.09	1.79	1.79
2011	Nearshore	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Non-FMP flatfish	Hornyhead turbot	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.07	0.07	0.07	0.07
2011	Nearshore	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Bat ray	0.02	0.18	0.18	0.20	0.20
2011	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.02	0.00	0.00	0.02	0.02
2011	Nearshore	ngf.	Other ngf.	Brown box crab	0.00	0.04	0.04	0.04	0.04
2011	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.82	0.82	0.82	0.82
2011	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.72	0.72	0.72	0.72
2011	Nearshore	ngf.	Other ngf.	CAbarracuda	0.06	0.00	0.00	0.06	0.06
2011	Nearshore	ngf.	Other ngf.	CAsheephead	30.67	0.00	0.00	30.67	30.67
2011	Nearshore	ngf.	Other ngf.	CAspiny lobster	9.26	0.00	0.00	9.26	9.26
2011	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.04	0.04	0.04	0.04
2011	Nearshore	ngf.	Other ngf.	Crab, unid.	0.74	0.00	0.00	0.74	0.74

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.06	0.06	0.06	0.06
2011	Nearshore	ngf.	Other ngf.	Eel, unid.	0.23	0.00	0.00	0.23	0.23
2011	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.05	0.05	0.05	0.05
2011	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.01	2.01	2.01	2.01
2011	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Mixed species	1.31	0.00	0.00	1.31	1.31
2011	Nearshore	ngf.	Other ngf.	Mollusc, unid.	1.63	0.00	0.00	1.63	1.63
2011	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.03	0.00	0.00	0.03	0.03
2011	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.18	0.58	0.58	0.76	0.76
2011	Nearshore	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2011	Nearshore	ngf.	Other ngf.	PHLB	0.00	3.07	3.07	3.07	3.07
2011	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.01	0.02	0.02	0.03	0.03
2011	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.53	0.53	0.53	0.53
2011	Nearshore	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.01	0.01	0.01	0.01
2011	Nearshore	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.10	0.10	0.10	0.10
2011	Nearshore	ngf.	Other ngf.	Red rock crab	13.40	0.57	0.57	13.97	13.97
2011	Nearshore	ngf.	Other ngf.	Red urchin	0.01	0.00	0.00	0.01	0.01
2011	Nearshore	ngf.	Other ngf.	Rock greenling	0.02	0.00	0.00	0.02	0.02
2011	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.00	1.83	1.83	1.84	1.84
2011	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.17	0.17	0.17	0.17
2011	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	30.06	30.06	30.06	30.06
2011	Nearshore	ngf.	Other ngf.	Shark, unid.	0.65	0.48	0.48	1.13	1.13
2011	Nearshore	ngf.	Other ngf.	Sheep crab	0.00	0.09	0.09	0.09	0.09
2011	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.14	0.00	0.00	0.14	0.14
2011	Nearshore	ngf.	Other ngf.	Skate, unid.	0.04	0.00	0.00	0.04	0.04
2011	Nearshore	ngf.	Other ngf.	Spot prawn	2.06	0.00	0.00	2.06	2.06
2011	Nearshore	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2011	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.09	0.09	0.09	0.09
2011	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.15	0.00	0.00	0.16	0.16
2011	Nearshore	ngf.	Other ngf.	Swell shark	0.00	1.27	1.27	1.27	1.27
2011	Nearshore	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.01	0.01
2011	Nearshore	ngf.	Other ngf.	White sea bass	0.39	0.00	0.00	0.39	0.39
2011	Nearshore	ngf.	Other ngf.	Wolf-eel	0.02	0.67	0.67	0.69	0.69
2011	Nearshore	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2011	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA CA Halibut	gf.	Big skate	Big skate	0.28	36.37	18.19	36.65	18.47
2011	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.27	0.27	0.28	0.28
2011	OA CA Halibut	gf.	ECS	CAskate	0.00	6.07	6.07	6.07	6.07
2011	OA CA Halibut	gf.	ECS	Soupfin shark	0.08	1.63	1.63	1.70	1.70
2011	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.07	0.07	0.07	0.07
2011	OA CA Halibut	gf.	English sole	English sole	0.04	1.41	1.41	1.45	1.45
2011	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.22	0.11	0.22	0.11
2011	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.22	0.11	0.22	0.11
2011	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2011	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	0.28	0.28	0.28	0.28
2011	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.60	0.62	0.62	1.22	1.22
2011	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.00	1.42	1.42	1.43	1.43
2011	OA CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	gf.	Other flatfish	Rock sole	0.13	0.04	0.04	0.17	0.17
2011	OA CA Halibut	gf.	Other flatfish	Sand sole	7.75	0.69	0.69	8.45	8.45
2011	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.01	0.12	0.12	0.14	0.14
2011	OA CA Halibut	gf.	Other gf.	Leopard shark	0.00	5.52	5.52	5.52	5.52
2011	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.06	0.07	0.07	0.13	0.13
2011	OA CA Halibut	gf.	Sablefish (S of 36°)	Sablefish	0.01	0.00	0.00	0.01	0.01
2011	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.54	0.54	0.54	0.54
2011	OA CA Halibut	gf.	Starry flounder	Starry flounder	3.85	4.33	4.33	8.18	8.18
2011	OA CA Halibut	ngf.	CA halibut	CAhalibut	79.92	6.08	6.08	85.99	85.99
2011	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	65.55	65.55	65.55	65.55
2011	OA CA Halibut	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.94	0.00	0.00	0.94	0.94
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.14	0.48	0.48	0.62	0.62
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.04	1.17	1.17	1.20	1.20
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.03	0.03	0.03	0.03
2011	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.06	0.06	0.06	0.06
2011	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.19	0.19	0.19	0.19
2011	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.24	0.24	0.24	0.24

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	61.08	61.08	61.08	61.08
2011	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.90	2.90	2.90	2.90
2011	OA CA Halibut	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	CAlizardfish	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	CAtonguefish	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.00	0.21	0.21	0.21	0.21
2011	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.05	0.10	0.10	0.15	0.15
2011	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.19	0.19	0.19	0.19
2011	OA CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.09	0.09	0.09	0.09
2011	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.04	0.04	0.04	0.04
2011	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	4.72	4.72	4.72	4.72
2011	OA CA Halibut	ngf.	Other ngf.	Halibut, unid.	0.03	0.00	0.00	0.03	0.03
2011	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	40.60	40.60	40.60	40.60
2011	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.48	0.48	0.48	0.48
2011	OA CA Halibut	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.13	0.13	0.13	0.13
2011	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.03	0.03	0.03	0.03
2011	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2011	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.04	0.02	0.02	0.05	0.05
2011	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.74	0.69	0.69	1.43	1.43
2011	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.59	0.59	0.59	0.59
2011	OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.04	0.04	0.04	0.04
2011	OA CA Halibut	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.02	0.02	0.03	0.03
2011	OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.03	0.12	0.12	0.15	0.15
2011	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.03	0.00	0.00	0.03	0.03
2011	OA CA Halibut	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.16	0.16	0.16	0.16
2011	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.02	0.02	0.02	0.02
2011	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.08	0.08	0.08	0.08
2011	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.70	0.70	0.70	0.70
2011	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.22	0.22	0.22	0.22
2011	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.00	1.18	1.18	1.18	1.18
2011	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.83	0.83	0.83	0.83
2011	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	2.10	2.10	2.10	2.10
2011	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.31	0.02	0.02	0.34	0.34
2011	OA CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.59	2.11	2.11	2.70	2.70
2011	OA CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.05	0.05	0.05	0.05
2011	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.06	0.06	0.06	0.06
2011	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.13	0.13	0.13	0.13
2011	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.05	0.05	0.05	0.05
2011	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.77	0.77	0.77	0.77
2011	OA CA Halibut	ngf.	Other ngf.	White croaker	0.00	2.14	2.14	2.14	2.14
2011	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.24	0.03	0.03	0.27	0.27
2011	OA CA Halibut	ngf.	Other ngf.	White surfperch	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.54	0.54	0.54	0.54
2011	OA CA Halibut	ngf.	Shared ECS	Longfin smelt	0.00	0.01	0.01	0.01	0.01
2011	OA CA Halibut	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA CA Halibut	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.98	19.42	19.42	20.40	20.40
2011	OA FG – H&L	gf.	Big skate	Big skate	0.03	0.43	0.43	0.47	0.47
2011	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.08	0.00	0.00	0.08	0.08
2011	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.75	0.00	0.00	1.75	1.75
2011	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.02	0.00	0.00	0.02	0.02
2011	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.66	0.00	0.00	0.66	0.66
2011	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.69	0.32	0.32	2.01	2.01
2011	OA FG – H&L	gf.	Dover sole	Dover sole	0.35	1.13	1.13	1.48	1.48
2011	OA FG – H&L	gf.	ECS	Black skate	0.12	0.15	0.15	0.26	0.26
2011	OA FG – H&L	gf.	ECS	Giant grenadier	0.02	1.64	1.64	1.66	1.66
2011	OA FG – H&L	gf.	ECS	Grenadier, unid.	7.74	0.00	0.00	7.74	7.74

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.06	0.06	0.06	0.06
2011	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	13.46	13.46	13.46	13.46
2011	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.31	0.31	0.31	0.31
2011	OA FG – H&L	gf.	ECS	Soupfin shark	0.25	0.00	0.00	0.25	0.25
2011	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.39	0.39	0.39	0.39
2011	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	10.40	0.31	0.02	10.71	10.42
2011	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	1.88	0.00	0.00	1.88	1.88
2011	OA FG – H&L	gf.	Longnose skate	Longnose skate	3.77	30.88	15.44	34.65	19.21
2011	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.06	1.06	1.06	1.12	1.12
2011	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.66	0.00	0.00	0.66	0.66
2011	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.05	0.00	0.00	0.05	0.05
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.02	0.00	0.00	0.02	0.02
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.11	0.00	0.00	0.11	0.11
2011	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.01	0.01	0.02	0.02
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.18	0.00	0.00	0.18	0.18
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.10	0.00	0.00	0.10	0.10
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.81	0.02	0.02	0.83	0.83
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.03	0.00	0.00	0.03	0.03
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.05	0.00	0.00	0.05	0.05
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.17	0.00	0.00	0.17	0.17
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.09	0.00	0.00	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.23	0.00	0.00	0.23	0.23
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	8.44	0.00	0.00	8.44	8.44
2011	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.37	0.00	0.00	0.37	0.37
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.10	0.00	0.00	0.10	0.10
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.32	0.42	0.42	1.74	1.74
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.24	0.07	0.07	1.31	1.31
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.06	0.06	0.13	0.13
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.01	0.01	0.02	0.02
2011	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.01	0.01	0.02	0.02
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.09	0.00	0.00	0.09	0.09
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	48.74	0.07	0.07	48.81	48.81
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.08	0.08	0.08	0.08
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.12	0.00	0.00	0.12	0.12
2011	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.85	0.00	0.00	0.85	0.85
2011	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.11	0.00	0.00	0.11	0.11
2011	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	3.11	0.00	0.00	3.11	3.11
2011	OA FG – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	gf.	Other gf.	Leopard shark	0.14	0.00	0.00	0.14	0.14
2011	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.41	0.00	0.00	0.41	0.41
2011	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.39	0.34	0.34	0.73	0.73
2011	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.15	0.15	0.15	0.30	0.30
2011	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.05	0.00	0.00	0.05	0.05
2011	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.11	0.00	0.00	0.11	0.11
2011	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	225.25	54.90	10.98	280.15	236.23
2011	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	100.37	0.17	0.03	100.54	100.40
2011	OA FG – H&L	gf.	SST (N of 34°27')	SST	1.34	7.74	7.74	9.08	9.08
2011	OA FG – H&L	gf.	SST (S of 34°27')	SST	6.56	0.00	0.00	6.56	6.56
2011	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	2.21	24.61	12.30	26.82	14.52
2011	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.06	0.00	0.00	0.06	0.06
2011	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01

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2011	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.10	0.02	0.02	0.12	0.12
2011	OA FG – H&L	ngf.	CA halibut	CAhalibut	0.46	0.00	0.00	0.46	0.46
2011	OA FG – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2011	OA FG – H&L	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.04	0.00	0.00	0.04	0.04
2011	OA FG – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.03	0.00	0.00	0.03	0.03
2011	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.02	2.75	2.75	2.78	2.78
2011	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.04	0.00	0.00	0.04	0.04
2011	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.27	0.27	0.27	0.27
2011	OA FG – H&L	ngf.	Other ngf.	CAbarracuda	0.10	0.00	0.00	0.10	0.10
2011	OA FG – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.01	0.01	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.23	0.00	0.00	0.23	0.23
2011	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	1.02	1.02	1.02	1.02
2011	OA FG – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.01	0.09	0.09	0.10	0.10
2011	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	King crab, unid.	0.09	0.00	0.00	0.09	0.09
2011	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.06	0.06	0.06	0.06
2011	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.14	0.00	0.00	0.14	0.14
2011	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2011	OA FG – H&L	ngf.	Other ngf.	PHLB	0.01	12.97	2.07	12.98	2.08
2011	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.04	0.04	0.04	0.04
2011	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.00	4.89	4.89	4.89	4.89
2011	OA FG – H&L	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	1.26	0.89	0.89	2.15	2.15
2011	OA FG – H&L	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – H&L	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2011	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.16	0.00	0.00	0.16	0.16
2011	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.02	0.00	0.00	0.02	0.02
2011	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.09	0.09	0.09	0.09
2011	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.06	0.06	0.08	0.08
2011	OA FG – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	gf.	Dover sole	Dover sole	0.02	0.56	0.56	0.58	0.58
2011	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – Pot	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2011	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.22	0.22	0.22	0.22
2011	OA FG – Pot	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.21	0.00	0.00	0.21	0.21
2011	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.08	0.10	0.10	0.18	0.18
2011	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2011	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.07	0.07	0.07	0.07
2011	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.30	0.45	0.45	1.75	1.75
2011	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.11	0.11	0.11	0.11
2011	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2011	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – Pot	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2011	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	190.57	21.22	4.24	211.80	194.82
2011	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	63.08	0.31	0.06	63.38	63.14
2011	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.02	0.02	0.02	0.04	0.04
2011	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.36	0.00	0.00	0.36	0.36
2011	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	1.42	0.46	0.46	1.88	1.88
2011	OA FG – Pot	ngf.	Other ngf.	Albacore tuna	0.13	0.00	0.00	0.13	0.13
2011	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2011	OA FG – Pot	ngf.	Other ngf.	CAspiny lobster	0.15	0.00	0.00	0.15	0.15
2011	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.01	0.02	0.02	0.03	0.03
2011	OA FG – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.06	0.02	0.02	0.08	0.08
2011	OA FG – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.01	0.00	0.00	0.01	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2011	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.06	0.01	0.06	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.10	0.10	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	OA FG – Pot	ngf.	Other ngf.	Red rock crab	1.63	0.00	0.00	1.63	1.63
2011	OA FG – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2011	OA FG – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.01	0.01	0.01	0.01
2011	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2011	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.24	0.24	0.24	0.24
2011	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.98	0.00	0.00	0.98	0.98
2011	PHLB Derby	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Black rf. (OR)	Black rf.	0.03	0.00	0.00	0.03	0.03
2011	PHLB Derby	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.12	0.00	0.00	0.12	0.12
2011	PHLB Derby	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2011	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.60	0.00	0.00	1.60	1.60
2011	PHLB Derby	gf.	Longnose skate	Longnose skate	1.05	0.00	0.00	1.05	1.05
2011	PHLB Derby	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.07	0.00	0.00	0.07	0.07
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.12	0.00	0.00	0.12	0.12
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.14	0.00	0.00	0.14	0.14
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2011	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	gf.	Pacific cod	Pacific cod	0.07	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	PHLB Derby	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2011	PHLB Derby	gf.	Petrale sole	Petrale sole	0.07	0.00	0.00	0.07	0.07
2011	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	17.35	0.00	0.00	17.35	17.35
2011	PHLB Derby	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2011	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.04	0.00	0.00	0.04	0.04
2011	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2011	PHLB Derby	ngf.	Other ngf.	Shark, unid.	0.01	0.00	0.00	0.01	0.01
2011	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.34	0.00	0.00	0.34	0.34
2011	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	7.56	7.56	7.56	7.56
2011	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.57	0.57	0.57	0.57
2011	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	5.36	5.36	5.36	5.36
2011	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	3.35	3.35	3.35	3.35
2011	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.17	0.17	0.17	0.17
2011	Pink Shrimp	gf.	English sole	English sole	0.00	0.43	0.43	0.43	0.43
2011	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.64	0.64	0.64	0.64
2011	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.93	0.93	0.93	0.93
2011	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.17	0.17	0.17	0.17
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	1.17	1.17	1.17	1.17
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.02	0.02	0.02	0.02
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.04	0.04	0.04	0.04
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	2.12	2.12	2.12	2.12
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.63	0.63	0.63	0.63
2011	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.12	0.12	0.12	0.12
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.06	0.06	0.06	0.06
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.04	0.04	0.04	0.04
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	2.03	2.03	2.03	2.03
2011	Pink Shrimp	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	3.90	3.90	3.90	3.90
2011	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	1.30	1.30	1.30	1.30
2011	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	2.69	2.69	2.69	2.69
2011	Pink Shrimp	gf.	Other flatfish	Rex sole	0.01	21.40	21.40	21.42	21.42
2011	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.03	0.04	0.04	0.07	0.07
2011	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	282.58	282.58	282.58	282.58
2011	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.56	0.56	0.56	0.56
2011	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	1.79	1.79	1.79	1.79
2011	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.10	0.10	0.10	0.10
2011	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.21	0.21	0.21	0.21
2011	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.21	0.21	0.21	0.21
2011	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	2.95	2.95	2.95	2.95
2011	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.28	0.28	0.28	0.28
2011	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.06	0.06	0.06	0.06
2011	Pink Shrimp	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	119.35	119.35	119.35	119.35
2011	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.12	0.12	0.12	0.12
2011	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.04	0.04	0.04	0.04
2011	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.76	0.76	0.76	0.76
2011	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.44	0.44	0.44	0.44
2011	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.05	0.05	0.05	0.05
2011	Pink Shrimp	ngf.	Other ngf.	CAking crab	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.02	0.02	0.02	0.02
2011	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	12.87	12.87	12.87	12.87

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	17.65	17.65	17.65	17.65
2011	Pink Shrimp	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	2.26	2.26	2.26	2.26
2011	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.74	2.74	2.74	2.74
2011	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	1.63	1.63	1.63	1.63
2011	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.22	0.22	0.22	0.22
2011	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.80	0.80	0.80	0.80
2011	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.05	0.05	0.05	0.05
2011	Pink Shrimp	ngf.	Other ngf.	Northern ronquil	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Northern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.26	0.26	0.26	0.26
2011	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.46	0.46	0.46	0.46
2011	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.61	0.61	0.61	0.61
2011	Pink Shrimp	ngf.	Other ngf.	PHLB	0.00	0.19	0.19	0.19	0.19
2011	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	7.88	7.88	7.88	7.88
2011	Pink Shrimp	ngf.	Other ngf.	Pacific mackerel	0.00	0.02	0.02	0.02	0.02
2011	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.14	0.14	0.14	0.14
2011	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.45	1.45	1.45	1.45
2011	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.23	0.23	0.23	0.23
2011	Pink Shrimp	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.32	0.32	0.32	0.32
2011	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.71	0.71	0.71	0.71
2011	Pink Shrimp	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2011	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.78	0.78	0.78	0.78
2011	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.05	0.05	0.05	0.05
2011	Pink Shrimp	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.05	0.05	0.05	0.05
2011	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	39.46	39.46	39.46	39.46
2011	Pink Shrimp	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Sturgeon poacher	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.05	0.05	0.05	0.05
2011	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.03	0.03	0.03	0.03
2011	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.13	0.13	0.13	0.13
2011	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.08	0.08	0.08	0.08
2011	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.09	0.09	0.09	0.09
2011	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	29560.12	0.00	0.00	29560.12	29560.12
2011	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	395.24	395.24	395.24	395.24
2011	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.06	0.06	0.06	0.06
2011	Pink Shrimp	ngf.	Shared ECS	Night smelt	0.00	10.07	10.07	10.07	10.07
2011	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.37	0.37	0.37	0.37
2011	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2011	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	15.22	15.22	15.22	15.22
2011	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	0.01	0.01	0.01	0.01
2011	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	20.12	20.12	20.12	20.12
2011	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	12.97	12.97
2011	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	3.97	3.97
2011	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.92	0.92
2011	Research	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.62	0.62
2011	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	5.54	5.54
2011	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.14	0.14
2011	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.63	1.63
2011	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	27.79	27.79
2011	Research	gf.	ECS	CAskate	0.00	0.00	0.00	0.38	0.38
2011	Research	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	3.94	3.94
2011	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.30	0.30
2011	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.04	0.04
2011	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	3.71	3.71
2011	Research	gf.	English sole	English sole	0.00	0.00	0.00	5.78	5.78
2011	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	3.21	3.21
2011	Research	gf.	Lingcod (N of 42°)	Lingcod	0.00	0.00	0.00	6.27	6.27
2011	Research	gf.	Lingcod (S of 42°)	Lingcod	0.00	0.00	0.00	0.36	0.36
2011	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	10.24	10.24
2011	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	11.03	11.03
2011	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.84	0.84
2011	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.08	0.08
2011	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.76	0.76
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.08	0.08
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	2.12	2.12
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.92	0.92
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	8.16	8.16
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.46	0.46
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.21	0.21
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.69	0.69
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.30	0.30
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.25	0.25
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	1.29	1.29
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.08	0.08
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.02	0.02
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	1.46	1.46
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.16	0.16
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	1.94	1.94
2011	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.46	0.46
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.14	0.14
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.12	0.12
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.15	0.15
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	4.92	4.92
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.43	0.43
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.11	2.11
2011	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.18	0.18
2011	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.30	0.30
2011	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.05	0.05
2011	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.29	0.29
2011	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.39	0.39
2011	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.04	0.04
2011	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.09	0.09
2011	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.28	0.28
2011	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	9.25	9.25
2011	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	6.20	6.20
2011	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.12	0.12
2011	Research	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.04	0.04
2011	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.10	0.10
2011	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.03	0.03
2011	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.01	0.01
2011	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	5.47	5.47

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2011	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	1061.88	1061.88
2011	Research	gf.	POP	POP	0.00	0.00	0.00	1.94	1.94
2011	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	14.22	14.22
2011	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	16.91	16.91
2011	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.07	1.07
2011	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.45	1.45
2011	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	4.31	4.31
2011	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.41	0.41
2011	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	31.52	31.52
2011	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.10	2.10
2011	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.07	0.07
2011	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	2.20	2.20
2011	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.84	0.84
2011	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	16.57	16.57
2011	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.02	0.02
2011	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.06	0.06
2011	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.77	0.77
2011	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	1.70	1.70
2011	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.07	0.07
2011	Research	ngf.	Other ngf.	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.06	0.06
2011	Research	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.18	0.18
2011	Research	ngf.	Other ngf.	Krill, unid.	0.00	0.00	0.00	0.74	0.74
2011	Research	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.02	0.02
2011	Research	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.02	0.02
2011	Research	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.25	0.25
2011	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.01	0.01
2011	Research	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.01	0.01
2011	Research	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.96	0.96
2011	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	1.92	1.92
2011	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	1.02	1.02
2011	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.20	0.20
2011	Research	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.15	0.15
2011	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.11	0.11
2011	Research	ngf.	Other ngf.	Sun sea star	0.00	0.00	0.00	0.01	0.01
2011	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2011	Research	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.01	0.01
2011	Research	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.56	0.56
2011	Research	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.01	0.01
2011	RBPT	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.01	0.00	0.00	0.01	0.01
2011	RBPT	gf.	Dover sole	Dover sole	0.06	0.00	0.00	0.06	0.06
2011	RBPT	gf.	English sole	English sole	0.25	0.00	0.00	0.25	0.25
2011	RBPT	gf.	Longnose skate	Longnose skate	0.04	0.00	0.00	0.04	0.04
2011	RBPT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2011	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2011	RBPT	gf.	Other flatfish	Flatfish, unid.	8.06	0.00	0.00	8.06	8.06
2011	RBPT	gf.	Other flatfish	Rex sole	0.99	0.00	0.00	0.99	0.99
2011	RBPT	gf.	Other flatfish	Sanddab, unid.	0.52	0.00	0.00	0.52	0.52
2011	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2011	RBPT	ngf.	CA halibut	CAhalibut	0.12	0.00	0.00	0.12	0.12
2011	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.07	0.00	0.00	0.07	0.07
2011	RBPT	ngf.	Other ngf.	Crab, unid.	0.31	0.00	0.00	0.31	0.31
2011	RBPT	ngf.	Other ngf.	Giant sea bass	0.01	0.00	0.00	0.01	0.01
2011	RBPT	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2011	RBPT	ngf.	Other ngf.	Market squid	0.07	0.00	0.00	0.07	0.07
2011	RBPT	ngf.	Other ngf.	Mixed species	7.01	0.00	0.00	7.01	7.01
2011	RBPT	ngf.	Other ngf.	Octopus, unid.	0.12	0.00	0.00	0.12	0.12
2011	RBPT	ngf.	Other ngf.	Pacific angel shark	0.13	0.00	0.00	0.13	0.13
2011	RBPT	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2011	RBPT	ngf.	Other ngf.	Red rock crab	2.25	0.00	0.00	2.25	2.25
2011	RBPT	ngf.	Other ngf.	Ridgeback prawn	87.62	0.00	0.00	87.62	87.62
2011	RBPT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2011	RBPT	ngf.	Other ngf.	Skate, unid.	1.88	0.00	0.00	1.88	1.88
2011	RBPT	ngf.	Other ngf.	Spot prawn	0.31	0.00	0.00	0.31	0.31
2011	RBPT	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01
2011	RBPT	ngf.	Other ngf.	White croaker	2.69	0.00	0.00	2.69	2.69
2011	RBPT	ngf.	Other ngf.	White sea bass	0.00	0.00	0.00	0.00	0.00
2011	RBPT	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2011	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2011	SCT	gf.	Other flatfish	Flatfish, unid.	0.03	0.00	0.00	0.03	0.03
2011	SCT	ngf.	CA halibut	CAhalibut	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	SCT	ngf.	Other ngf.	Mollusc, unid.	0.03	0.00	0.00	0.03	0.03
2011	SCT	ngf.	Other ngf.	Red rock crab	0.08	0.00	0.00	0.08	0.08
2011	SCT	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2011	SCT	ngf.	Other ngf.	Sea cucumber, unid.	137.21	0.00	0.00	137.21	137.21
2011	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	12.70	0.00	0.00	12.70	12.70
2011	Shoreside Hake	gf.	Big skate	Big skate	0.00	0.24	0.24	0.24	0.24
2011	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Canary rf.	Canary rf.	0.85	0.00	0.00	0.85	0.85
2011	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	1.22	0.00	0.00	1.22	1.22
2011	Shoreside Hake	gf.	Dover sole	Dover sole	0.07	0.00	0.00	0.07	0.07
2011	Shoreside Hake	gf.	ECS	Black skate	0.00	0.01	0.01	0.01	0.01
2011	Shoreside Hake	gf.	ECS	Soupfin shark	0.49	0.04	0.04	0.53	0.53
2011	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.28	0.00	0.00	0.28	0.28
2011	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	4.55	0.04	0.04	4.59	4.59
2011	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.18	0.00	0.00	0.18	0.18
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.15	0.00	0.00	0.15	0.15
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.18	0.00	0.00	0.18	0.18
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.18	0.00	0.00	0.18	0.18
2011	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.28	0.00	0.00	0.28	0.28
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.13	0.00	0.00	0.13	0.13
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.93	0.00	0.00	3.93	3.93
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	2.47	0.00	0.00	2.47	2.47
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2011	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	3.92	0.00	0.00	3.92	3.92
2011	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	Other flatfish	Rex sole	0.85	0.00	0.00	0.85	0.85
2011	Shoreside Hake	gf.	Pacific cod	Pacific cod	6.59	0.00	0.00	6.59	6.59
2011	Shoreside Hake	gf.	Pacific hake	Pacific hake	90777.27	509.54	509.54	91286.81	91286.81
2011	Shoreside Hake	gf.	POP (N of 40°10')	POP	0.28	0.00	0.00	0.28	0.28
2011	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	30.39	0.00	0.00	30.39	30.39
2011	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	gf.	SST (N of 34°27')	SST	2.18	0.00	0.00	2.18	2.18
2011	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	180.97	0.27	0.27	181.23	181.23
2011	Shoreside Hake	gf.	Widow rf.	Widow rf.	111.45	11.80	11.80	123.25	123.25
2011	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	431.27	0.08	0.08	431.36	431.36
2011	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.03	0.00	0.00	0.03	0.03
2011	Shoreside Hake	ngf.	Other ngf.	American shad	6.33	0.00	0.00	6.33	6.33
2011	Shoreside Hake	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.10	0.05	0.05	0.16	0.16
2011	Shoreside Hake	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.10	0.00	0.00	0.10	0.10
2011	Shoreside Hake	ngf.	Other ngf.	Brown cat shark	3.25	0.00	0.00	3.25	3.25
2011	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.35	0.35	0.35	0.70	0.70
2011	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.04	0.04	0.04	0.04
2011	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	23.99	0.00	0.00	23.99	23.99
2011	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2011	Shoreside Hake	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2011	Shoreside Hake	ngf.	Other ngf.	Mixed species	0.32	0.00	0.00	0.32	0.32
2011	Shoreside Hake	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.17	0.17	0.17	0.17
2011	Shoreside Hake	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2011	Shoreside Hake	ngf.	Other ngf.	PHLB	0.33	0.03	0.03	0.35	0.35
2011	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.65	0.00	0.00	0.65	0.65
2011	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	0.11	0.00	0.00	0.11	0.11
2011	Shoreside Hake	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.06	0.00	0.00	0.06	0.06
2011	Shoreside Hake	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2011	Shoreside Hake	ngf.	Other ngf.	Sea whip	0.00	0.04	0.04	0.04	0.04
2011	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	2.95	2.59	2.59	5.54	5.54
2011	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.58	0.00	0.00	0.58	0.58
2011	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	16.09	0.17	0.17	16.26	16.26
2011	Tribal A-S Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.13	3.65	3.65	3.78	3.78
2011	Tribal A-S Hake	gf.	Big skate	Big skate	0.00	0.08	0.08	0.08	0.08
2011	Tribal A-S Hake	gf.	Canary rf.	Canary rf.	0.49	0.05	0.05	0.54	0.54
2011	Tribal A-S Hake	gf.	Darkblotched rf.	Darkblotched rf.	0.18	0.00	0.00	0.18	0.18
2011	Tribal A-S Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Tribal A-S Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.09	0.08	0.08	0.16	0.16
2011	Tribal A-S Hake	gf.	Longnose skate	Longnose skate	0.00	0.01	0.01	0.01	0.01
2011	Tribal A-S Hake	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.22	0.00	0.00	0.22	0.22
2011	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.01	0.01	0.01	0.01
2011	Tribal A-S Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2011	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.33	0.08	0.08	2.41	2.41
2011	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.19	0.00	0.00	0.19	0.19
2011	Tribal A-S Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	gf.	Other flatfish	Rex sole	0.00	0.01	0.01	0.01	0.01
2011	Tribal A-S Hake	gf.	Pacific cod	Pacific cod	0.00	0.03	0.03	0.03	0.03
2011	Tribal A-S Hake	gf.	Pacific hake	Pacific hake	6146.89	209.38	209.38	6356.27	6356.27
2011	Tribal A-S Hake	gf.	POP (N of 40°10')	POP	1.99	0.00	0.00	1.99	1.99
2011	Tribal A-S Hake	gf.	Sablefish (N of 36°)	Sablefish	0.01	0.07	0.07	0.08	0.08
2011	Tribal A-S Hake	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	gf.	Spiny dogfish	Spiny dogfish shark	0.00	58.57	58.57	58.57	58.57
2011	Tribal A-S Hake	gf.	Widow rf.	Widow rf.	1.45	0.01	0.01	1.47	1.47
2011	Tribal A-S Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	19.74	0.11	0.11	19.85	19.85
2011	Tribal A-S Hake	ngf.	Other ngf.	American shad	0.00	1.34	1.34	1.34	1.34
2011	Tribal A-S Hake	ngf.	Other ngf.	Blue shark	0.00	0.08	0.08	0.08	0.08
2011	Tribal A-S Hake	ngf.	Other ngf.	Brown cat shark	0.00	0.12	0.12	0.12	0.12
2011	Tribal A-S Hake	ngf.	Other ngf.	Common thresher shark	0.00	0.12	0.12	0.12	0.12
2011	Tribal A-S Hake	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Jack mackerel	0.00	0.04	0.04	0.04	0.04
2011	Tribal A-S Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	King of the salmon	0.00	0.05	0.05	0.05	0.05
2011	Tribal A-S Hake	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Mixed species	0.00	0.02	0.02	0.02	0.02
2011	Tribal A-S Hake	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.01	0.01	0.01	0.01
2011	Tribal A-S Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	PHLB	0.00	0.03	0.03	0.03	0.03
2011	Tribal A-S Hake	ngf.	Other ngf.	Pacific herring	0.05	0.19	0.19	0.23	0.23
2011	Tribal A-S Hake	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.03	0.03	0.03	0.03
2011	Tribal A-S Hake	ngf.	Other ngf.	Ragfish	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Squid, unid.	0.00	1.16	1.16	1.16	1.16

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Tribal A-S Hake	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2011	Tribal A-S Hake	ngf.	Shared ECS	Duckbill barracudina	0.00	0.01	0.01	0.01	0.01
2011	Tribal A-S Hake	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2011	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	48.59	0.00	0.00	48.59	48.59
2011	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2011	Tribal Shoreside	gf.	Canary rf.	Canary rf.	12.57	0.00	0.00	12.57	12.57
2011	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.00	0.00	0.10	0.10
2011	Tribal Shoreside	gf.	Dover sole	Dover sole	92.57	0.00	0.00	92.57	92.57
2011	Tribal Shoreside	gf.	English sole	English sole	59.74	0.00	0.00	59.74	59.74
2011	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	47.65	0.00	0.00	47.65	47.65
2011	Tribal Shoreside	gf.	Longnose skate	Longnose skate	3.70	0.00	0.00	3.70	3.70
2011	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2011	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2011	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.55	0.00	0.00	0.55	0.55
2011	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	2.28	0.00	0.00	2.28	2.28
2011	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	16.13	0.00	0.00	16.13	16.13
2011	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.05	0.00	0.00	0.05	0.05
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	8.09	0.00	0.00	8.09	8.09
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	16.22	0.00	0.00	16.22	16.22
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.22	0.00	0.00	1.22	1.22
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.75	0.00	0.00	0.75	0.75
2011	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.08	0.00	0.00	0.08	0.08
2011	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	0.97	0.00	0.00	0.97	0.97
2011	Tribal Shoreside	gf.	Other flatfish	Rex sole	29.86	0.00	0.00	29.86	29.86
2011	Tribal Shoreside	gf.	Other flatfish	Rock sole	3.23	0.00	0.00	3.23	3.23
2011	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.03	0.00	0.00	0.03	0.03
2011	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	18.44	0.00	0.00	18.44	18.44
2011	Tribal Shoreside	gf.	Pacific cod	Pacific cod	339.18	0.00	0.00	339.18	339.18
2011	Tribal Shoreside	gf.	Pacific hake	Pacific hake	11756.17	0.00	0.00	11756.17	11756.17
2011	Tribal Shoreside	gf.	POP (N of 40°10')	POP	2.96	0.00	0.00	2.96	2.96
2011	Tribal Shoreside	gf.	Petrale sole	Petrale sole	125.06	0.00	0.00	125.06	125.06
2011	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	535.72	0.00	0.00	535.72	535.72
2011	Tribal Shoreside	gf.	SST (N of 34°27')	SST	19.51	0.00	0.00	19.51	19.51
2011	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	127.72	0.00	0.00	127.72	127.72

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2011	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2011	Tribal Shoreside	gf.	Widow rf.	Widow rf.	35.98	0.00	0.00	35.98	35.98
2011	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.06	0.00	0.00	0.06	0.06
2011	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	440.51	0.00	0.00	440.51	440.51
2011	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1867.21	0.00	0.00	1867.21	1867.21
2011	Tribal Shoreside	ngf.	Other ngf.	American shad	0.15	0.00	0.00	0.15	0.15
2011	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.06	0.00	0.00	0.06	0.06
2011	Tribal Shoreside	ngf.	Other ngf.	Mixed species	5.35	0.00	0.00	5.35	5.35
2011	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	1.58	0.00	0.00	1.58	1.58
2011	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	0.16	0.00	0.00	0.16	0.16
2011	Tribal Shoreside	ngf.	Other ngf.	Pacific oyster	1.99	0.00	0.00	1.99	1.99
2011	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2011	Tribal Shoreside	ngf.	Other ngf.	Razor clam	0.01	0.00	0.00	0.01	0.01
2011	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.01	0.00	0.00	0.01	0.01
2011	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	34.16	0.00	0.00	34.16	34.16
2011	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.54	0.00	0.00	0.54	0.54
2011	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	3.91	0.00	0.00	3.91	3.91
2011	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.14	0.00	0.00	0.14	0.14
2012	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	1.49	1.06	1.06	2.55	2.55
2012	A-S Hake CP	gf.	Big skate	Big skate	0.00	0.09	0.09	0.09	0.09
2012	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.13	0.14	0.14	0.27	0.27
2012	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.01	0.43	0.43	1.44	1.44
2012	A-S Hake CP	gf.	Dover sole	Dover sole	0.20	0.09	0.09	0.29	0.29
2012	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2012	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.03	0.03	0.08	0.08
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.03	0.00	0.00	0.03	0.03
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.43	0.23	0.23	0.65	0.65
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.01	0.01
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.01	0.01	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	19.58	22.84	22.84	42.42	42.42
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.60	0.07	0.07	0.68	0.68
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	9.23	0.47	0.47	9.69	9.69
2012	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.20	0.20	0.21	0.21
2012	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	gf.	Other flatfish	Rex sole	2.03	0.59	0.59	2.62	2.62
2012	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.02	0.02
2012	A-S Hake CP	gf.	Pacific hake	Pacific hake	55522.55	145.44	145.44	55667.99	55667.99
2012	A-S Hake CP	gf.	POP (N of 40°10')	POP	1.30	1.85	1.85	3.15	3.15
2012	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.00	0.05	0.05	0.05	0.05
2012	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	4.11	0.12	0.12	4.22	4.22
2012	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02
2012	A-S Hake CP	gf.	SST (N of 34°27')	SST	0.36	0.87	0.87	1.23	1.23
2012	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	38.17	110.10	110.10	148.27	148.27
2012	A-S Hake CP	gf.	Widow rf.	Widow rf.	26.93	15.05	15.05	41.98	41.98
2012	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	6.65	25.34	25.34	31.99	31.99
2012	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	American shad	1.22	0.84	0.84	2.07	2.07
2012	A-S Hake CP	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	5.26	4.66	4.66	9.92	9.92
2012	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.02	0.00	0.00	0.03	0.03
2012	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	0.03	0.02	0.02	0.05	0.05
2012	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.04	0.04	0.04	0.04
2012	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	3.61	0.99	0.99	4.60	4.60
2012	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.14	0.60	0.60	0.73	0.73
2012	A-S Hake CP	ngf.	Other ngf.	King of the salmon	1.14	1.39	1.39	2.52	2.52
2012	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.01	0.01	0.03	0.03
2012	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.01	0.01	0.01	0.02	0.02
2012	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.12	0.07	0.07	0.19	0.19

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.09	0.00	0.00	0.09	0.09
2012	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.54	0.54	0.54	0.54
2012	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.25	1.86	1.86	2.11	2.11
2012	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.18	0.03	0.03	0.21	0.21
2012	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.03	0.14	0.14	0.17	0.17
2012	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.15	0.53	0.53	0.68	0.68
2012	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Ragfish	12.90	3.56	3.56	16.46	16.46
2012	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	0.26	0.26	0.26	0.26
2012	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2012	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.01	0.01
2012	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	43.33	23.00	23.00	66.33	66.33
2012	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.02	0.01	0.01	0.03	0.03
2012	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.72	0.40	0.40	1.12	1.12
2012	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.10	0.06	0.06	0.15	0.15
2012	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	1.19	0.89	0.89	2.09	2.09
2012	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.02	0.13	0.13	0.15	0.15
2012	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.56	0.70	0.70	1.26	1.26
2012	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.01	0.02	0.02	0.03	0.03
2012	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.00	0.07	0.07	0.07	0.07
2012	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.10	0.07	0.07	0.17	0.17
2012	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.03	0.03	0.04	0.04
2012	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.01	0.01
2012	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.02	0.02	0.03	0.03
2012	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.07	0.05	0.05	0.13	0.13
2012	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	10.29	1.30	1.30	11.58	11.58
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	7.93	2.85	2.85	10.78	10.78
2012	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2012	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.01	0.01
2012	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.14	0.15	0.15	0.29	0.29
2012	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	38042.11	155.12	155.12	38197.24	38197.24
2012	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	1.03	0.34	0.34	1.37	1.37
2012	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.27	0.61	0.61	0.88	0.88
2012	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.10	0.17	0.17	0.27	0.27
2012	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.16	0.35	0.35	0.51	0.51
2012	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	6.90	22.55	22.55	29.45	29.45
2012	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	11.14	26.19	26.19	37.32	37.32
2012	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	4.75	6.24	6.24	10.99	10.99
2012	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.02	0.00	0.00	0.02	0.02
2012	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.18	0.51	0.51	0.69	0.69

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.11	0.11	0.11	0.11
2012	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.45	3.98	3.98	4.43	4.43
2012	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	0.75	8.92	8.92	9.68	9.68
2012	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.01	0.53	0.53	0.53	0.53
2012	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.34	0.38	0.38	0.72	0.72
2012	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.02	0.01	0.01	0.03	0.03
2012	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.02	0.07	0.07	0.10	0.10
2012	A-S Hake MSCV	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.01	0.01
2012	A-S Hake MSCV	ngf.	Other ngf.	Opah	0.00	0.02	0.02	0.02	0.02
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.03	0.03	0.03	0.03
2012	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.10	0.10	0.10	0.10
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.05	0.64	0.64	0.69	0.69
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.01	0.01	0.01	0.02	0.02
2012	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.10	0.10	0.10	0.10
2012	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.30	0.42	0.42	0.72	0.72
2012	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.02	0.04	0.04	0.06	0.06
2012	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	1.28	1.28	1.28	1.28
2012	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	11.50	15.81	15.81	27.32	27.32
2012	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.01	0.05	0.05	0.06	0.06
2012	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2012	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	2249.33	201.32	201.32	2450.64	2450.64
2012	CS – BT	gf.	Big skate	Big skate	6.69	41.09	20.54	47.78	27.24
2012	CS – BT	gf.	Black rf. (OR)	Black rf.	0.02	0.00	0.00	0.02	0.02
2012	CS – BT	gf.	Black rf. (WA)	Black rf.	0.71	0.01	0.01	0.72	0.72
2012	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	8.83	0.01	0.01	8.84	8.84
2012	CS – BT	gf.	Cabezon (OR)	Cabezon	0.00	0.08	0.08	0.08	0.08
2012	CS – BT	gf.	Canary rf.	Canary rf.	4.57	0.04	0.04	4.62	4.62
2012	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	234.75	53.37	53.37	288.12	288.12
2012	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.08	0.01	0.01	0.09	0.09
2012	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	83.48	2.32	2.32	85.80	85.80
2012	CS – BT	gf.	Dover sole	Dover sole	7198.11	76.94	76.94	7275.05	7275.05
2012	CS – BT	gf.	ECS	Abyssal grenadier	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	ECS	Aleutian skate	0.00	2.31	2.31	2.31	2.31
2012	CS – BT	gf.	ECS	Bering skate	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	ECS	Black skate	0.01	18.41	18.41	18.42	18.42
2012	CS – BT	gf.	ECS	CAgrenadier	0.00	0.93	0.93	0.93	0.93
2012	CS – BT	gf.	ECS	CAskate	0.26	0.94	0.94	1.20	1.20
2012	CS – BT	gf.	ECS	Deepsea skate	0.00	0.33	0.33	0.33	0.33
2012	CS – BT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	ECS	Giant grenadier	0.00	92.30	92.30	92.30	92.30
2012	CS – BT	gf.	ECS	Grenadier, unid.	65.34	14.79	14.79	80.13	80.13
2012	CS – BT	gf.	ECS	Pacific flatnose	0.00	1.60	1.60	1.60	1.60
2012	CS – BT	gf.	ECS	Pacific grenadier	19.19	36.85	36.85	56.04	56.04
2012	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	gf.	ECS	Sandpaper skate	0.04	39.68	39.68	39.72	39.72
2012	CS – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	ECS	Smooth grenadier	0.00	0.07	0.07	0.07	0.07
2012	CS – BT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	ECS	Soupfin shark	0.08	0.54	0.54	0.62	0.62
2012	CS – BT	gf.	ECS	Spotted ratfish	0.67	78.51	78.51	79.18	79.18
2012	CS – BT	gf.	ECS	White skate	0.00	0.43	0.43	0.43	0.43
2012	CS – BT	gf.	English sole	English sole	114.97	32.00	32.00	146.97	146.97
2012	CS – BT	gf.	Groundfish unid	Groundfish, unid.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	332.04	25.56	12.78	357.60	344.82
2012	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	11.21	4.66	2.33	15.87	13.54
2012	CS – BT	gf.	Longnose skate	Longnose skate	847.78	108.85	54.43	956.63	902.20
2012	CS – BT	gf.	LST (N of 34°27')	LST	858.85	37.60	37.60	896.45	896.45
2012	CS – BT	gf.	LST (S of 34°27')	LST	0.40	0.00	0.00	0.40	0.40
2012	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2012	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.10	0.00	0.00	0.10	0.10
2012	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.72	0.00	0.00	2.72	2.72
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.59	0.06	0.06	0.65	0.65
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.34	0.00	0.00	0.35	0.35
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	23.07	3.44	3.44	26.51	26.51
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.82	0.04	0.04	1.86	1.86
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	1.39	0.73	0.73	2.12	2.12
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.07	0.07	0.07	0.07
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.09	0.72	0.72	0.81	0.81
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	2.25	0.00	0.00	2.26	2.26
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Starry rf.	0.00	0.06	0.06	0.06	0.06
2012	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.27	1.46	1.46	1.73	1.73
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.00	0.00	0.02	0.02
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.24	0.16	0.16	0.41	0.41
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.08	1.08	1.08	1.17	1.17
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.08	0.00	0.00	0.08	0.08
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.04	0.04	0.04	0.04
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.34	0.34	0.35	0.35
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.28	11.04	11.04	11.32	11.32

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	13.29	3.78	3.78	17.07	17.07
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.79	0.00	0.00	0.79	0.79
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	4.24	0.03	0.03	4.27	4.27
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.81	0.57	0.57	6.37	6.37
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	48.09	0.06	0.06	48.15	48.15
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	9.07	0.63	0.63	9.70	9.70
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	14.92	0.01	0.01	14.93	14.93
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.68	0.15	0.15	1.83	1.83
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	7.67	5.64	5.64	13.31	13.31
2012	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	7.52	0.00	0.00	7.52	7.52
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	20.95	3.47	3.47	24.42	24.42
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	16.21	0.04	0.04	16.25	16.25
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	73.48	0.12	0.12	73.61	73.61
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.10	0.00	0.00	0.11	0.11
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.51	0.07	0.07	0.58	0.58
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.17	0.00	0.00	0.17	0.17
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.25	0.25	0.25	0.25
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.98	0.01	0.01	1.00	1.00
2012	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.05	0.00	0.00	0.05	0.05
2012	CS – BT	gf.	Mixed thornyheads	SST/LST	0.00	1.64	1.64	1.64	1.64
2012	CS – BT	gf.	Other flatfish	Butter sole	0.48	1.74	1.74	2.22	2.22
2012	CS – BT	gf.	Other flatfish	Curlfin sole	0.43	0.51	0.51	0.94	0.94
2012	CS – BT	gf.	Other flatfish	Flatfish, unid.	2.06	0.01	0.01	2.07	2.07
2012	CS – BT	gf.	Other flatfish	Flathead sole	4.52	2.81	2.81	7.34	7.34
2012	CS – BT	gf.	Other flatfish	Pacific sanddab	144.70	70.73	70.73	215.42	215.42
2012	CS – BT	gf.	Other flatfish	Rex sole	353.64	26.24	26.24	379.88	379.88
2012	CS – BT	gf.	Other flatfish	Rock sole	4.73	0.25	0.25	4.98	4.98
2012	CS – BT	gf.	Other flatfish	Sand sole	69.98	0.75	0.75	70.73	70.73
2012	CS – BT	gf.	Other flatfish	Sanddab, unid.	2.33	1.33	1.33	3.66	3.66
2012	CS – BT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.08	0.08	0.09	0.09
2012	CS – BT	gf.	Other gf.	Leopard shark	0.00	0.26	0.26	0.26	0.26
2012	CS – BT	gf.	Pacific cod	Pacific cod	395.56	0.70	0.70	396.26	396.26
2012	CS – BT	gf.	Pacific hake	Pacific hake	18.93	230.49	230.49	249.42	249.42
2012	CS – BT	gf.	POP (N of 40°10')	POP	39.26	1.14	1.14	40.40	40.40

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	gf.	Petrale sole	Petrale sole	1042.44	11.55	11.55	1053.99	1053.99
2012	CS – BT	gf.	Roundfish unid	Cod, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1421.26	7.73	3.86	1428.99	1425.13
2012	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	22.67	0.00	0.00	22.68	22.68
2012	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.02	5.45	5.45	5.46	5.46
2012	CS – BT	gf.	SST (N of 34°27')	SST	694.59	5.61	5.61	700.21	700.21
2012	CS – BT	gf.	SST (S of 34°27')	SST	0.59	0.00	0.00	0.59	0.59
2012	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	51.93	288.20	288.20	340.13	340.13
2012	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	19.44	40.39	40.39	59.83	59.83
2012	CS – BT	gf.	Starry flounder	Starry flounder	8.05	0.29	0.29	8.34	8.34
2012	CS – BT	gf.	Widow rf.	Widow rf.	34.10	0.01	0.01	34.11	34.11
2012	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.03	0.00	0.00	0.03	0.03
2012	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	422.31	0.22	0.22	422.53	422.53
2012	CS – BT	ngf.	CA halibut	CAhalibut	18.91	0.01	0.01	18.92	18.92
2012	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.04	196.47	196.47	196.51	196.51
2012	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	1.71	14.59	14.59	16.30	16.30
2012	CS – BT	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.11	0.11	0.11	0.11
2012	CS – BT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.17	37.05	37.05	37.22	37.22
2012	CS – BT	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	American shad	0.29	1.64	1.64	1.93	1.93
2012	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	24.34	24.34	24.34	24.34
2012	CS – BT	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.61	0.61	0.61	0.61
2012	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Bat ray	0.00	1.04	1.04	1.04	1.04
2012	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	1.11	1.11	1.11	1.11
2012	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.27	0.27	0.27	0.27
2012	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.05	0.05	0.05	0.05
2012	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.11	0.11	0.11	0.11
2012	CS – BT	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.03	0.03	0.03	0.03
2012	CS – BT	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.45	0.45	0.45	0.45

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	0.14	0.14	0.14	0.14
2012	CS – BT	ngf.	Other ngf.	Brown cat shark	0.15	34.99	34.99	35.15	35.15
2012	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.07	0.07	0.07	0.07
2012	CS – BT	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	CAking crab	0.00	0.05	0.05	0.05	0.05
2012	CS – BT	ngf.	Other ngf.	CAslickhead	0.00	13.60	13.60	13.60	13.60
2012	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.55	0.55	0.55	0.55
2012	CS – BT	ngf.	Other ngf.	Combfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Common thresher shark	0.03	0.03	0.03	0.06	0.06
2012	CS – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Crustacean, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.14	0.14	0.14	0.14
2012	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Echinoderm, unid.	0.16	0.00	0.00	0.16	0.16
2012	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.00	23.36	23.36	23.36	23.36
2012	CS – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	3.11	3.11	3.11	3.11
2012	CS – BT	ngf.	Other ngf.	Fish, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Giant wrymouth	0.00	0.05	0.05	0.05	0.05
2012	CS – BT	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	22.00	22.00	22.00	22.00
2012	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.08	0.08	0.08	0.08
2012	CS – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Jack mackerel	0.03	0.19	0.19	0.23	0.23
2012	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	18.70	18.70	18.70	18.70
2012	CS – BT	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	1.96	1.96	1.96	1.96
2012	CS – BT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.07	0.07	0.07	0.07
2012	CS – BT	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.08	0.08	0.08	0.08
2012	CS – BT	ngf.	Other ngf.	Market squid	0.14	0.00	0.00	0.14	0.14
2012	CS – BT	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.12	0.12	0.12	0.12
2012	CS – BT	ngf.	Other ngf.	Mixed species	3.76	0.00	0.00	3.76	3.76
2012	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.16	0.16	0.16	0.16
2012	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.08	0.08	0.08	0.08
2012	CS – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2012	CS – BT	ngf.	Other ngf.	Octopus, unid.	2.17	4.00	4.00	6.17	6.17
2012	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	1.10	1.10	1.10	1.10
2012	CS – BT	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	PHLB	0.07	67.06	36.06	67.13	36.13
2012	CS – BT	ngf.	Other ngf.	Pacific herring	0.01	0.06	0.06	0.06	0.06
2012	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.01	0.12	0.12	0.13	0.13
2012	CS – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pacific sardine	0.01	0.64	0.64	0.65	0.65
2012	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	3.70	3.70	3.70	3.70
2012	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.13	0.13	0.13	0.13
2012	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.03	0.03	0.03	0.03
2012	CS – BT	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pallid eelpout	0.00	0.04	0.04	0.04	0.04
2012	CS – BT	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Pile surfperch	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.06	0.06	0.06	0.06
2012	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.05	0.05	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Ray, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.09	0.09	0.09	0.09
2012	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.01	1.94	1.94	1.95	1.95
2012	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.03	0.83	0.83	0.87	0.87
2012	CS – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.22	0.22	0.22	0.22
2012	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.22	0.22	0.22	0.22
2012	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	11.55	11.55	11.55	11.55
2012	CS – BT	ngf.	Other ngf.	Sea whip	0.00	0.08	0.08	0.08	0.08
2012	CS – BT	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Sevengill shark	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Shark, unid.	0.19	20.78	20.78	20.97	20.97
2012	CS – BT	ngf.	Other ngf.	Sheep crab	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.11	0.11	0.11	0.11
2012	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.04	0.04	0.04	0.04
2012	CS – BT	ngf.	Other ngf.	Skate, unid.	230.49	2.17	2.17	232.66	232.66
2012	CS – BT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	1.07	1.07	1.07	1.07
2012	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	1.08	1.08	1.08	1.08
2012	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Specklefin midshipman	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	2.34	2.34	2.34	2.34
2012	CS – BT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Squid, unid.	2.35	5.46	5.46	7.81	7.81
2012	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.12	0.12	0.12	0.12
2012	CS – BT	ngf.	Other ngf.	Stony coral	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Striped bass	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – BT	ngf.	Other ngf.	Thornback	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.06	0.06	0.06	0.06
2012	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.77	0.77	0.77	0.77
2012	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.05	0.05	0.05	0.05
2012	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	1.62	1.62	1.62	1.62
2012	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	3.07	3.07	3.07	3.07
2012	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Whiptail gulper, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	White croaker	0.02	0.03	0.03	0.05	0.05
2012	CS – BT	ngf.	Other ngf.	White sea bass	0.31	0.00	0.00	0.31	0.31
2012	CS – BT	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Wolf-eel	0.02	0.02	0.02	0.04	0.04
2012	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.19	0.19	0.19	0.19
2012	CS – BT	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – BT	ngf.	Shared ECS	Night smelt	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Shared ECS	Smelt, unid.	0.00	0.01	0.01	0.02	0.02
2012	CS – BT	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2012	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.05	20.79	20.79	20.84	20.84
2012	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	125.41	125.41	125.41	125.41
2012	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.09	4.29	4.29	4.38	4.38
2012	CS – H&L	gf.	Big skate	Big skate	0.00	0.03	0.03	0.03	0.03
2012	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.16	0.16	0.22	0.22
2012	CS – H&L	gf.	Dover sole	Dover sole	0.25	0.17	0.17	0.41	0.41
2012	CS – H&L	gf.	ECS	Aleutian skate	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – H&L	gf.	ECS	Black skate	0.00	1.01	1.01	1.01	1.01
2012	CS – H&L	gf.	ECS	Giant grenadier	0.00	2.44	2.44	2.44	2.44
2012	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.08	0.08	0.08	0.08
2012	CS – H&L	gf.	ECS	Pacific grenadier	0.00	2.70	2.70	2.70	2.70
2012	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.18	0.18	0.18	0.18
2012	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.12	0.12	0.12	0.12
2012	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.15	0.04	0.00	0.19	0.15
2012	CS – H&L	gf.	Longnose skate	Longnose skate	5.22	19.51	9.76	24.74	14.98
2012	CS – H&L	gf.	LST (N of 34°27')	LST	0.18	0.02	0.02	0.20	0.20
2012	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.05	0.04	0.04	0.08	0.08
2012	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.02	0.02
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.07	0.00	0.00	0.07	0.07
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.30	0.22	0.22	0.52	0.52
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.54	0.17	0.17	0.71	0.71
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	16.02	4.39	4.39	20.41	20.41
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.23	1.02	1.02	1.26	1.26
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	2.16	2.16	2.16	2.16
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.10	0.01	0.01	0.11	0.11
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.01	0.01	0.02	0.02
2012	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.08	0.10	0.10	0.18	0.18
2012	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.76	0.00	0.00	0.76	0.76
2012	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	gf.	POP (N of 40°10')	POP	0.06	0.02	0.02	0.08	0.08
2012	CS – H&L	gf.	Petrale sole	Petrale sole	0.13	0.19	0.19	0.32	0.32
2012	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	203.35	8.56	1.71	211.91	205.06
2012	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	2.18	0.05	0.01	2.23	2.19
2012	CS – H&L	gf.	SST (N of 34°27')	SST	11.42	0.58	0.58	12.00	12.00
2012	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	57.50	28.75	57.50	28.75
2012	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.01	0.01	0.01	0.01
2012	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	7.95	7.95	7.95	7.95
2012	CS – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.17	0.17	0.17	0.17
2012	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.23	0.23	0.23	0.23

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.02	0.02	0.02	0.02
2012	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	PHLB	0.00	14.66	2.34	14.66	2.34
2012	CS – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.01	0.01	0.01	0.01
2012	CS – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Shark, unid.	0.00	5.23	5.23	5.23	5.23
2012	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.02	0.00	0.00	0.02	0.02
2012	CS – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Squid, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – H&L	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2012	CS – MWT	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Canary rf.	Canary rf.	0.45	0.00	0.00	0.45	0.45
2012	CS – MWT	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	ECS	Spotted ratfish	0.00	0.03	0.03	0.04	0.04
2012	CS – MWT	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Lingcod (N of 40°10')	Lingcod	0.54	0.00	0.00	0.54	0.54
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2012	CS – MWT	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	gf.	Pacific hake	Pacific hake	0.24	0.00	0.00	0.24	0.24
2012	CS – MWT	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – MWT	gf.	Spiny dogfish	Spiny dogfish shark	0.14	0.00	0.00	0.15	0.15
2012	CS – MWT	gf.	Widow rf.	Widow rf.	13.32	0.00	0.00	13.32	13.32
2012	CS – MWT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	183.06	0.00	0.00	183.07	183.07
2012	CS – MWT	ngf.	Other ngf.	American shad	1.62	0.00	0.00	1.62	1.62
2012	CS – MWT	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	ngf.	Other ngf.	Jack mackerel	0.17	0.00	0.00	0.17	0.17
2012	CS – MWT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2012	CS – MWT	ngf.	Other ngf.	Pacific herring	0.01	0.00	0.00	0.01	0.01
2012	CS – MWT	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – MWT	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	1.15	1.15	1.22	1.22
2012	CS – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2012	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2012	CS – Pot	gf.	Dover sole	Dover sole	2.15	1.13	1.13	3.28	3.28
2012	CS – Pot	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	ECS	CAgrenadier	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	gf.	ECS	Giant grenadier	0.00	2.75	2.75	2.75	2.75
2012	CS – Pot	gf.	ECS	Grenadier, unid.	0.01	0.15	0.15	0.16	0.16
2012	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.07	0.07	0.07	0.07
2012	CS – Pot	gf.	ECS	Pacific grenadier	0.00	2.00	2.00	2.00	2.00
2012	CS – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.84	0.01	0.01	1.85	1.85
2012	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.32	0.00	0.00	0.32	0.32
2012	CS – Pot	gf.	Longnose skate	Longnose skate	0.00	0.01	0.00	0.01	0.00
2012	CS – Pot	gf.	LST (N of 34°27')	LST	0.01	0.02	0.02	0.03	0.03
2012	CS – Pot	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2012	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.02	0.00	0.00	0.02	0.02
2012	CS – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.04	0.04
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.04	0.03	0.03	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.06	0.03	0.03	0.10	0.10
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2012	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.17	0.02	0.02	0.19	0.19
2012	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	5.11	0.23	0.23	5.34	5.34
2012	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2012	CS – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	Other flatfish	Rex sole	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.01	0.01
2012	CS – Pot	gf.	Petrale sole	Petrale sole	0.05	0.03	0.03	0.08	0.08
2012	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	531.30	10.42	2.08	541.72	533.38
2012	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	198.05	1.86	0.37	199.91	198.42
2012	CS – Pot	gf.	SST (N of 34°27')	SST	0.85	0.33	0.33	1.18	1.18
2012	CS – Pot	gf.	SST (S of 34°27')	SST	0.33	0.03	0.03	0.36	0.36
2012	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.11	0.11	0.11	0.11
2012	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.56	0.56	0.56	0.56
2012	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.10	0.10	0.10	0.10
2012	CS – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.12	0.00	0.00	0.12	0.12
2012	CS – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.05	0.05	0.05	0.05
2012	CS – Pot	ngf.	Other ngf.	CAking crab	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Cat shark, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.07	0.07	0.07	0.07
2012	CS – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.11	0.11	0.11	0.11
2012	CS – Pot	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.03	0.03	0.03	0.03
2012	CS – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	0.17	0.17	0.17	0.17
2012	CS – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.11	0.11	0.11	0.11
2012	CS – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	CS – Pot	ngf.	Other ngf.	Longnose cat shark	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.09	0.09	0.09	0.09
2012	CS – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	PHLB	0.00	1.89	0.51	1.89	0.51
2012	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.26	0.26	0.26	0.26
2012	CS – Pot	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.20	0.20	0.20	0.20
2012	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Sea pansy	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2012	CS – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.15	0.15	0.15	0.15
2012	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.89	0.89	0.89	0.89
2012	CS – Pot	ngf.	Other ngf.	Sheep crab	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.06	0.06	0.06	0.06
2012	CS – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2012	CS – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	CS – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Threadfin slickhead	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.12	0.12	0.12	0.12
2012	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2012	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.40	0.40	0.40	0.40
2012	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	3.91	3.91	3.91	3.91
2012	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.24	0.00	0.00	0.24	0.24
2012	Incidental	gf.	Black rf. (CA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2012	Incidental	gf.	Black rf. (OR)	Black rf.	0.31	0.00	0.00	0.31	0.31
2012	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Cabezon (CA)	Cabezon	0.25	0.00	0.00	0.25	0.25
2012	Incidental	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.63	0.00	0.00	0.63	0.63
2012	Incidental	gf.	Canary rf.	Canary rf.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.11	0.00	0.00	0.11	0.11
2012	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.00	0.00	0.06	0.06
2012	Incidental	gf.	Dover sole	Dover sole	12.00	0.00	0.00	12.00	12.00
2012	Incidental	gf.	ECS	CAskate	0.09	0.00	0.00	0.09	0.09
2012	Incidental	gf.	ECS	Grenadier, unid.	0.85	0.00	0.00	0.85	0.85
2012	Incidental	gf.	ECS	Soupfin shark	0.86	0.00	0.00	0.86	0.86
2012	Incidental	gf.	English sole	English sole	0.35	0.00	0.00	0.35	0.35
2012	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	5.70	0.00	0.00	5.70	5.70
2012	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	1.13	0.00	0.00	1.13	1.13
2012	Incidental	gf.	Longnose skate	Longnose skate	2.49	0.00	0.00	2.49	2.49
2012	Incidental	gf.	LST (N of 34°27')	LST	0.45	0.00	0.00	0.45	0.45
2012	Incidental	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.09	0.00	0.00	0.09	0.09
2012	Incidental	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.03	0.00	0.00	0.03	0.03
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.17	0.00	0.00	0.17	0.17
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.05	0.00	0.00	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.16	0.00	0.00	0.16	0.16
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2012	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.29	0.00	0.00	0.29	0.29
2012	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.12	0.00	0.00	0.12	0.12
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.11	0.00	0.00	0.11	0.11
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.21	0.00	0.00	0.21	0.21
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.20	0.00	0.00	0.20	0.20
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	1.04	0.00	0.00	1.04	1.04
2012	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Other flatfish	Butter sole	0.09	0.00	0.00	0.09	0.09
2012	Incidental	gf.	Other flatfish	Curlfin sole	0.03	0.00	0.00	0.03	0.03
2012	Incidental	gf.	Other flatfish	Flatfish, unid.	3.31	0.00	0.00	3.31	3.31
2012	Incidental	gf.	Other flatfish	Pacific sanddab	0.14	0.00	0.00	0.14	0.14
2012	Incidental	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Other flatfish	Rock sole	0.58	0.00	0.00	0.58	0.58
2012	Incidental	gf.	Other flatfish	Sand sole	4.16	0.00	0.00	4.16	4.16
2012	Incidental	gf.	Other flatfish	Sanddab, unid.	0.16	0.00	0.00	0.16	0.16
2012	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2012	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Other gf.	Leopard shark	1.98	0.00	0.00	1.98	1.98
2012	Incidental	gf.	Other rf.	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Incidental	gf.	Pacific cod	Pacific cod	0.52	0.00	0.00	0.52	0.52
2012	Incidental	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Petrale sole	Petrale sole	0.75	0.00	0.00	0.75	0.75
2012	Incidental	gf.	Sablefish (N of 36°)	Sablefish	23.58	0.00	0.00	23.58	23.58
2012	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.40	0.00	0.00	0.40	0.40
2012	Incidental	gf.	SST (N of 34°27')	SST	1.19	0.00	0.00	1.19	1.19
2012	Incidental	gf.	SST (S of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2012	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.07	0.00	0.00	0.07	0.07
2012	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Starry flounder	Starry flounder	0.85	0.00	0.00	0.85	0.85
2012	Incidental	gf.	Widow rf.	Widow rf.	0.05	0.00	0.00	0.05	0.05
2012	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2012	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	2.11	0.00	0.00	2.11	2.11
2012	Incidental	ngf.	CA halibut	CAhalibut	97.91	0.00	0.00	97.91	97.91
2012	Incidental	ngf.	Dungeness crab	Dungeness crab	18701.61	0.00	0.00	18701.61	18701.61
2012	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.01	0.00	0.00	0.01	0.01
2012	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	2.54	0.00	0.00	2.54	2.54
2012	Incidental	ngf.	Non-FMP flatfish	Slender sole	0.03	0.00	0.00	0.03	0.03
2012	Incidental	ngf.	Other ngf.	Albacore tuna	13885.63	0.00	0.00	13885.63	13885.63
2012	Incidental	ngf.	Other ngf.	American shad	14.67	0.00	0.00	14.67	14.67
2012	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	180.07	0.00	0.00	180.07	180.07
2012	Incidental	ngf.	Other ngf.	Basket cockle	74.44	0.00	0.00	74.44	74.44
2012	Incidental	ngf.	Other ngf.	Bass, unid.	0.05	0.00	0.00	0.05	0.05
2012	Incidental	ngf.	Other ngf.	Bat ray	6.86	0.00	0.00	6.86	6.86
2012	Incidental	ngf.	Other ngf.	Bigeye thresher shark	0.20	0.00	0.00	0.20	0.20
2012	Incidental	ngf.	Other ngf.	Bigeye tuna	3.20	0.00	0.00	3.20	3.20
2012	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.83	0.00	0.00	0.83	0.83
2012	Incidental	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2012	Incidental	ngf.	Other ngf.	Bluefin tuna	43.09	0.00	0.00	43.09	43.09
2012	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	21.10	0.00	0.00	21.10	21.10
2012	Incidental	ngf.	Other ngf.	Butter clam	3.60	0.00	0.00	3.60	3.60
2012	Incidental	ngf.	Other ngf.	CAbarracuda	15.63	0.00	0.00	15.63	15.63
2012	Incidental	ngf.	Other ngf.	CAmussel	0.02	0.00	0.00	0.02	0.02
2012	Incidental	ngf.	Other ngf.	CAsheephead	0.60	0.00	0.00	0.60	0.60
2012	Incidental	ngf.	Other ngf.	CAspiny lobster	391.90	0.00	0.00	391.90	391.90
2012	Incidental	ngf.	Other ngf.	Clam, unid.	0.02	0.00	0.00	0.02	0.02
2012	Incidental	ngf.	Other ngf.	Common thresher shark	64.31	0.00	0.00	64.31	64.31
2012	Incidental	ngf.	Other ngf.	Crab, unid.	34.92	0.00	0.00	34.92	34.92
2012	Incidental	ngf.	Other ngf.	Croaker, unid.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Incidental	ngf.	Other ngf.	Dorado	5.09	0.00	0.00	5.09	5.09
2012	Incidental	ngf.	Other ngf.	Echinoderm, unid.	1.03	0.00	0.00	1.03	1.03
2012	Incidental	ngf.	Other ngf.	Eel, unid.	0.62	0.00	0.00	0.62	0.62
2012	Incidental	ngf.	Other ngf.	Gaper clam	23.46	0.00	0.00	23.46	23.46
2012	Incidental	ngf.	Other ngf.	Ghost shrimp	17.74	0.00	0.00	17.74	17.74
2012	Incidental	ngf.	Other ngf.	Giant kelpfish	0.25	0.00	0.00	0.25	0.25
2012	Incidental	ngf.	Other ngf.	Giant sea bass	1.20	0.00	0.00	1.20	1.20
2012	Incidental	ngf.	Other ngf.	Hagfish, unid.	2393.72	0.00	0.00	2393.72	2393.72
2012	Incidental	ngf.	Other ngf.	Jack mackerel	231.88	0.00	0.00	231.88	231.88
2012	Incidental	ngf.	Other ngf.	King crab, unid.	0.52	0.00	0.00	0.52	0.52
2012	Incidental	ngf.	Other ngf.	Mackerel, unid.	97.16	0.00	0.00	97.16	97.16
2012	Incidental	ngf.	Other ngf.	Market squid	97716.44	0.00	0.00	97716.44	97716.44
2012	Incidental	ngf.	Other ngf.	Mixed species	26.91	0.00	0.00	26.91	26.91
2012	Incidental	ngf.	Other ngf.	Mollusc, unid.	27.99	0.00	0.00	27.99	27.99
2012	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.17	0.00	0.00	0.17	0.17
2012	Incidental	ngf.	Other ngf.	Mud shrimp	0.82	0.00	0.00	0.82	0.82
2012	Incidental	ngf.	Other ngf.	Native littleneck clam	0.00	0.00	0.00	0.00	0.00
2012	Incidental	ngf.	Other ngf.	Northern anchovy	2676.73	0.00	0.00	2676.73	2676.73
2012	Incidental	ngf.	Other ngf.	Octopus, unid.	4.47	0.00	0.00	4.47	4.47
2012	Incidental	ngf.	Other ngf.	Pacific angel shark	9.74	0.00	0.00	9.74	9.74
2012	Incidental	ngf.	Other ngf.	Pacific bonito	0.21	0.00	0.00	0.21	0.21
2012	Incidental	ngf.	Other ngf.	Pacific herring	1487.10	0.00	0.00	1487.10	1487.10
2012	Incidental	ngf.	Other ngf.	Pacific mackerel	5988.83	0.00	0.00	5988.83	5988.83
2012	Incidental	ngf.	Other ngf.	Pacific sardine	100194.48	0.00	0.00	100194.48	100194.48
2012	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.57	0.00	0.00	0.57	0.57
2012	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.11	0.00	0.00	0.11	0.11
2012	Incidental	ngf.	Other ngf.	Razor clam	69.40	0.00	0.00	69.40	69.40
2012	Incidental	ngf.	Other ngf.	Red rock crab	738.28	0.00	0.00	738.28	738.28
2012	Incidental	ngf.	Other ngf.	Red urchin	5445.25	0.00	0.00	5445.25	5445.25
2012	Incidental	ngf.	Other ngf.	Ridgeback prawn	0.77	0.00	0.00	0.77	0.77
2012	Incidental	ngf.	Other ngf.	Sculpin, unid.	2.03	0.00	0.00	2.03	2.03
2012	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	127.03	0.00	0.00	127.03	127.03
2012	Incidental	ngf.	Other ngf.	Shark, unid.	2.28	0.00	0.00	2.28	2.28
2012	Incidental	ngf.	Other ngf.	Shrimp, unid.	51.55	0.00	0.00	51.55	51.55
2012	Incidental	ngf.	Other ngf.	Skate, unid.	7.62	0.00	0.00	7.62	7.62
2012	Incidental	ngf.	Other ngf.	Skipjack tuna	0.79	0.00	0.00	0.79	0.79
2012	Incidental	ngf.	Other ngf.	Spot prawn	189.72	0.00	0.00	189.72	189.72
2012	Incidental	ngf.	Other ngf.	Squid, unid.	0.52	0.00	0.00	0.52	0.52
2012	Incidental	ngf.	Other ngf.	Surfperch, unid.	4.60	0.00	0.00	4.60	4.60

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Incidental	ngf.	Other ngf.	Swordfish	143.23	0.00	0.00	143.23	143.23
2012	Incidental	ngf.	Other ngf.	Urchin, unid.	3.34	0.00	0.00	3.34	3.34
2012	Incidental	ngf.	Other ngf.	White croaker	0.23	0.00	0.00	0.23	0.23
2012	Incidental	ngf.	Other ngf.	White sea bass	184.82	0.00	0.00	184.82	184.82
2012	Incidental	ngf.	Other ngf.	Wolf-eel	0.01	0.00	0.00	0.01	0.01
2012	Incidental	ngf.	Other ngf.	Yellowfin tuna	0.40	0.00	0.00	0.40	0.40
2012	Incidental	ngf.	Other ngf.	Yellowtail amberjack	8.90	0.00	0.00	8.90	8.90
2012	Incidental	ngf.	Shared ECS	Smelt, unid.	277.68	0.00	0.00	277.68	277.68
2012	Incidental	ngf.	Tanner crab	Tanner crab, unid.	6.52	0.00	0.00	6.52	6.52
2012	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.33	0.80	0.80	1.13	1.13
2012	LE FG DTL – H&L	gf.	Big skate	Big skate	0.02	3.48	3.48	3.50	3.50
2012	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.96	0.00	0.00	0.96	0.96
2012	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.65	0.00	0.00	0.65	0.65
2012	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.58	0.00	0.00	1.58	1.58
2012	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.99	2.34	2.34	3.33	3.33
2012	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	3.79	3.79	3.79	3.79
2012	LE FG DTL – H&L	gf.	ECS	CAgrenadier	0.00	0.16	0.16	0.16	0.16
2012	LE FG DTL – H&L	gf.	ECS	CAskate	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	3.03	3.03	3.03	3.03
2012	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	38.19	0.62	0.62	38.81	38.81
2012	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.84	0.84	0.84	0.84
2012	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	12.15	12.15	12.15	12.15
2012	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.28	0.28	0.28	0.28
2012	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.11	0.00	0.00	0.11	0.11
2012	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	2.66	2.66	2.66	2.66
2012	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.41	0.77	0.05	1.18	0.46
2012	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.23	0.00	0.00	0.23	0.23
2012	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	8.64	8.42	4.21	17.06	12.85
2012	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	1.98	2.89	2.89	4.87	4.87
2012	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	11.49	2.60	2.60	14.09	14.09
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.01	0.01	0.02	0.02
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.09	0.09	0.10	0.10
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.08	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.20	0.03	0.03	0.23	0.23
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.75	0.75	0.75	0.75
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.23	0.16	0.16	0.39	0.39
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.03	0.00	0.00	0.03	0.03
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.09	0.00	0.00	0.09	0.09
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.16	0.00	0.00	0.16	0.16
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.10	0.00	0.00	0.10	0.10
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.67	0.00	0.00	0.67	0.67
2012	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.24	0.00	0.00	0.24	0.24
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	2.21	0.04	0.04	2.25	2.25
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.33	0.09	0.09	3.41	3.41
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.22	0.00	0.00	0.22	0.22
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.14	0.14	0.14	0.14
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.85	0.00	0.00	0.85	0.85
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.08	0.00	0.00	0.08	0.08
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.09	0.03	0.03	0.12	0.12
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	41.78	2.27	2.27	44.05	44.05
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	1.67	0.00	0.00	1.67	1.67
2012	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2012	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.52	0.00	0.00	0.52	0.52
2012	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.06	0.00	0.00	0.06	0.06
2012	LE FG DTL – H&L	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.64	0.00	0.00	0.64	0.64
2012	LE FG DTL – H&L	gf.	Other flatfish	Rex sole	0.02	0.00	0.00	0.02	0.02
2012	LE FG DTL – H&L	gf.	Other gf.	Leopard shark	0.10	0.00	0.00	0.10	0.10
2012	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.29	0.00	0.00	0.29	0.29
2012	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.03	0.00	0.00	0.03	0.03
2012	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.27	2.14	2.14	2.41	2.41

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.04	0.00	0.00	0.04	0.04
2012	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.19	0.00	0.00	0.19	0.19
2012	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	216.37	53.40	10.68	269.77	227.05
2012	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	336.55	19.60	3.92	356.15	340.47
2012	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	29.26	0.69	0.69	29.96	29.96
2012	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	107.25	12.34	12.34	119.59	119.59
2012	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.77	6.04	3.02	6.81	3.79
2012	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.10	0.01	0.01	0.11	0.11
2012	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.09	0.00	0.00	0.09	0.09
2012	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2012	LE FG DTL – H&L	ngf.	CA halibut	CAhalibut	0.04	0.00	0.00	0.04	0.04
2012	LE FG DTL – H&L	ngf.	Dungeness crab	Dungeness crab	0.01	0.07	0.07	0.08	0.08
2012	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.02	0.02	0.02	0.02
2012	LE FG DTL – H&L	ngf.	Other ngf.	Albacore tuna	1.06	0.00	0.00	1.06	1.06
2012	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06
2012	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.18	0.18	0.18	0.18
2012	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.01	4.87	4.87	4.88	4.88
2012	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.13	0.33	0.33	0.46	0.46
2012	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	2.94	2.94	2.94	2.94
2012	LE FG DTL – H&L	ngf.	Other ngf.	CAking crab	0.00	0.02	0.02	0.02	0.02
2012	LE FG DTL – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.30	0.30	0.30	0.30
2012	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.05	0.05	0.05	0.05
2012	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	1.30	1.30	1.30	1.30
2012	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.23	0.23	0.23	0.23
2012	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.17	0.17	0.17	0.17
2012	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	9.09	9.09	9.09	9.09
2012	LE FG DTL – H&L	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.33	0.33	0.33	0.33
2012	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.25	0.00	0.00	0.25	0.25
2012	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.11	0.11	0.14	0.14
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	1.56	1.56	1.56	1.56
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2012	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	16.54	0.72	16.54	0.72
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.15	0.00	0.00	0.15	0.15
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.46	0.46	0.46	0.46
2012	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.11	0.11	0.11	0.11
2012	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02
2012	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.58	1.58	1.58	1.58
2012	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.06	0.06	0.06	0.06
2012	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.68	0.68	0.68	0.68
2012	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.05	118.66	118.66	118.71	118.71
2012	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.14	0.14	0.14	0.14
2012	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	5.00	1.80	1.80	6.80	6.80
2012	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.60	0.00	0.00	0.60	0.60
2012	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.02	0.00	0.00	0.02	0.02
2012	LE FG DTL – H&L	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.24	0.24	0.24	0.24
2012	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.04	0.04	0.04	0.04
2012	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.02	0.01	0.01	0.03	0.03
2012	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.05	0.00	0.00	0.05	0.05
2012	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.02	0.02	0.02	0.02
2012	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	8.55	1.86	0.37	10.41	8.92
2012	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2012	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.01	0.01	0.01	0.01
2012	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	1.11	0.01	0.01	1.12	1.12
2012	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.02	0.00	0.00	0.02	0.02
2012	LE FG DTL – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.08	0.00	0.00	0.09	0.09
2012	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.03	0.00	0.03	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE FG DTL – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	2.44	31.34	31.34	33.78	33.78
2012	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	2.29	2.29	2.29	2.29
2012	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.03	0.00	0.00	0.03	0.03
2012	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.03	0.02	0.02	0.06	0.06
2012	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.14	0.01	0.01	0.15	0.15
2012	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	5.29	1.43	1.43	6.72	6.72
2012	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.71	2.85	2.85	4.56	4.56
2012	LE Sablefish – H&L	gf.	ECS	Abyssal grenadier	0.00	0.14	0.14	0.14	0.14
2012	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.28	0.28	0.28	0.28
2012	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.23	0.23	0.23	0.23
2012	LE Sablefish – H&L	gf.	ECS	CAskate	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	14.63	14.63	14.63	14.63
2012	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	6.87	0.00	0.00	6.87	6.87
2012	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	5.02	5.02	5.02	5.02
2012	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.64	0.64	0.64	0.64
2012	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	1.20	1.20	1.20	1.20
2012	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.01	3.08	3.08	3.09	3.09
2012	LE Sablefish – H&L	gf.	English sole	English sole	0.28	0.02	0.02	0.30	0.30
2012	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	4.32	1.21	0.08	5.53	4.41
2012	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.99	0.04	0.00	1.03	0.99
2012	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	21.95	45.18	22.59	67.13	44.54
2012	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.75	0.05	0.05	0.80	0.80
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.03	0.03	0.04	0.04
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.04	0.13	0.13	0.17	0.17
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.49	0.28	0.28	0.77	0.77
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.04	0.04	0.04	0.04
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.01	0.01	0.03	0.03
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.05	0.00	0.00	0.05	0.05
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2012	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.04	0.04	0.04	0.04
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.06	0.12	0.12	0.18	0.18
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.28	1.61	1.61	2.89	2.89
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	10.22	6.55	6.55	16.77	16.77
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	31.85	14.81	14.81	46.66	46.66
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	2.92	2.91	2.91	5.83	5.83
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	33.67	33.67	33.67	33.67
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	4.08	0.03	0.03	4.11	4.11
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.13	0.01	0.01	0.14	0.14
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.19	0.00	0.00	1.19	1.19
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.07	0.07	0.10	0.10
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.61	6.02	6.02	9.62	9.62
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.84	0.84	0.84	0.84
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	7.13	0.17	0.17	7.30	7.30
2012	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.94	0.00	0.00	0.94	0.94
2012	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.15	0.00	0.00	0.16	0.16
2012	LE Sablefish – H&L	gf.	Other flatfish	Rex sole	0.32	0.00	0.00	0.32	0.32
2012	LE Sablefish – H&L	gf.	Other flatfish	Sand sole	0.22	0.00	0.00	0.22	0.22
2012	LE Sablefish – H&L	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2012	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.04	0.19	0.19	1.23	1.23
2012	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.92	0.92	0.92	0.92
2012	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.28	0.03	0.03	0.30	0.30
2012	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.49	0.05	0.05	0.53	0.53
2012	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1043.28	394.65	78.93	1437.93	1122.21
2012	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	35.88	0.00	0.00	35.88	35.88
2012	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	25.81	3.98	3.98	29.79	29.79
2012	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	0.86	0.00	0.00	0.86	0.86
2012	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.41	134.62	67.31	135.02	67.71
2012	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2012	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.08	0.00	0.00	0.08	0.08
2012	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.22	0.22	0.22	0.22
2012	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.38	0.15	0.15	0.53	0.53
2012	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	1.84	0.16	0.16	2.00	2.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE Sablefish – H&L	ngf.	Other ngf.	Arched swimming crab	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.02	28.27	28.27	28.29	28.29
2012	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.01	1.01	1.01	1.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.07	0.07	0.07	0.07
2012	LE Sablefish – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.02	0.00	0.00	0.02	0.02
2012	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.17	0.17	0.17	0.17
2012	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.21	0.21	0.21	0.21
2012	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.14	0.14	0.14	0.14
2012	LE Sablefish – H&L	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.23	0.23	0.23	0.23
2012	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.24	0.00	0.00	0.24	0.24
2012	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.03	0.03	0.03	0.03
2012	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	2.75	145.27	23.86	148.01	26.61
2012	LE Sablefish – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.05	0.05	0.05	0.05
2012	LE Sablefish – H&L	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.84	0.84	0.84	0.84
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	12.72	12.72	12.72	12.72
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.04	0.04	0.04	0.04
2012	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	2.55	0.00	0.00	2.55	2.55
2012	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.06	0.06	0.06	0.06
2012	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Other ngf.	Starry skate	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.06	0.06	0.06	0.06
2012	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	0.08	0.08	0.14	0.14
2012	LE Sablefish – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2012	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.10	0.86	0.86	0.96	0.96
2012	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.17	0.17	0.17	0.17
2012	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.00	0.09	0.09	0.10	0.10
2012	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.93	0.93	0.93	0.93
2012	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.94	1.40	1.40	2.34	2.34
2012	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.40	0.00	0.00	0.40	0.40
2012	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.09	0.01	0.01	0.10	0.10
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.07	0.00	0.00	0.07	0.07
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.77	0.00	0.00	1.77	1.77
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2012	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	1.88	0.00	0.00	1.88	1.88
2012	LE Sablefish – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.04	0.00	0.00	0.04	0.04
2012	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	258.73	123.47	24.69	382.20	283.43
2012	LE Sablefish – Pot	gf.	Sablefish (S of 36°)	Sablefish	27.25	0.00	0.00	27.25	27.25
2012	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.25	0.02	0.02	0.27	0.27
2012	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.05	0.05	0.05	0.05
2012	LE Sablefish – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.17	0.16	0.16	0.33	0.33
2012	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.08	0.08	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.09	0.09	0.09	0.09
2012	LE Sablefish – Pot	ngf.	Other ngf.	CAking crab	0.00	0.03	0.03	0.03	0.03
2012	LE Sablefish – Pot	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Giant wrymouth	0.00	0.02	0.02	0.02	0.02
2012	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.13	0.13	0.13	0.13
2012	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.07	0.07	0.07	0.07
2012	LE Sablefish – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.25	0.25	0.25	0.25
2012	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.28	0.28	0.28	0.28
2012	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	5.99	1.08	5.99	1.08
2012	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.71	0.71	0.71	0.71
2012	LE Sablefish – Pot	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.26	0.26	0.26	0.26
2012	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.18	0.18	0.18	0.18
2012	LE Sablefish – Pot	ngf.	Other ngf.	Shark, unid.	0.08	0.21	0.21	0.29	0.29
2012	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.89	0.89	0.89	0.89
2012	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.53	1.53	1.53	1.53
2012	Nearshore	gf.	Big skate	Big skate	0.00	0.07	0.01	0.07	0.01
2012	Nearshore	gf.	Black rf. (CA)	Black rf.	21.50	2.46	1.46	23.96	22.97

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2012	Nearshore	gf.	Black rf. (OR)	Black rf.	95.45	2.18	0.52	97.63	95.97
2012	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.75	0.00	0.00	0.75	0.75
2012	Nearshore	gf.	Cabezon (CA)	Cabezon	30.34	4.61	0.32	34.96	30.67
2012	Nearshore	gf.	Cabezon (OR)	Cabezon	28.85	1.57	0.11	30.42	28.96
2012	Nearshore	gf.	CA scorpionfish (N of 34°27')	CAscorpionfish	0.00	0.01	0.00	0.02	0.00
2012	Nearshore	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	3.21	0.00	0.00	3.21	3.21
2012	Nearshore	gf.	Canary rf.	Canary rf.	0.00	10.10	6.62	10.10	6.62
2012	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2012	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.00	0.00	0.10	0.10
2012	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	ECS	Grenadier, unid.	0.62	0.00	0.00	0.62	0.62
2012	Nearshore	gf.	ECS	Soupfin shark	0.22	0.00	0.00	0.22	0.22
2012	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.01	0.00	0.01	0.00
2012	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	36.88	26.20	1.83	63.07	38.71
2012	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	18.65	16.96	1.19	35.61	19.83
2012	Nearshore	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2012	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	LST (S of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.02	0.00	0.00	0.02	0.02
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	12.11	4.21	1.60	16.32	13.71
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.25	0.00	0.00	0.25	0.25
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	9.14	0.59	0.16	9.74	9.30
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	2.16	0.03	0.01	2.19	2.17
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.06	0.00	0.00	0.06	0.06
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.24	0.00	0.00	0.24	0.24
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.01	0.01	0.01	0.03	0.02
2012	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	3.15	0.50	0.26	3.65	3.42
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	11.27	0.65	0.39	11.93	11.66
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	1.31	0.99	0.63	2.30	1.94
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	25.87	1.60	0.93	27.47	26.79
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.44	2.84	1.94	4.27	3.38
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	4.91	0.41	0.27	5.32	5.18
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	22.10	2.35	1.54	24.46	23.65
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	11.48	0.01	0.01	11.49	11.49
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.55	0.18	0.10	0.73	0.65
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.16	0.00	0.00	0.16	0.16
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.88	0.62	0.47	1.51	1.36

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.23	0.01	0.00	0.24	0.24
2012	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.60	0.42	0.24	2.02	1.83
2012	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2012	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.50	0.01	0.00	0.50	0.50
2012	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.70	0.07	0.03	3.77	3.72
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.11	0.00	0.00	0.11	0.11
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.06	0.00	0.00	0.06	0.06
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.23	0.21	0.21	0.43	0.43
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.81	0.00	0.00	0.81	0.81
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.24	0.02	0.02	0.26	0.26
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	7.42	0.04	0.03	7.46	7.45
2012	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.30	0.07	0.05	0.37	0.34
2012	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.31	0.00	0.00	2.31	2.31
2012	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2012	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.07	0.00	0.00	0.07	0.07
2012	Nearshore	gf.	Mixed thornyheads	SST/LST	0.03	0.00	0.00	0.03	0.03
2012	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	gf.	Other flatfish	Pacific sanddab	2.40	0.01	0.00	2.41	2.40
2012	Nearshore	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Other flatfish	Rock sole	0.07	0.00	0.00	0.07	0.07
2012	Nearshore	gf.	Other flatfish	Sand sole	0.13	0.05	0.00	0.18	0.13
2012	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.02	0.00	0.02	0.00
2012	Nearshore	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	gf.	Other gf.	Kelp greenling (CA)	5.06	0.92	0.06	5.98	5.12
2012	Nearshore	gf.	Other gf.	Kelp greenling (OR)	18.99	4.49	0.31	23.48	19.30
2012	Nearshore	gf.	Other gf.	Leopard shark	0.18	0.74	0.05	0.92	0.23
2012	Nearshore	gf.	Other rf.	Rockfish, unid.	0.30	0.00	0.00	0.30	0.30
2012	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.01	0.00	0.01	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	1.31	0.00	0.00	1.31	1.31
2012	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	4.12	0.00	0.00	4.12	4.12
2012	Nearshore	gf.	SST (N of 34°27')	SST	0.12	0.00	0.00	0.12	0.12
2012	Nearshore	gf.	SST (S of 34°27')	SST	0.97	0.00	0.00	0.97	0.97
2012	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.19	0.01	0.20	0.03
2012	Nearshore	gf.	Starry flounder	Starry flounder	0.13	0.00	0.00	0.13	0.13
2012	Nearshore	gf.	Widow rf.	Widow rf.	0.03	0.02	0.01	0.05	0.04
2012	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	4.20	1.81	4.20	1.81
2012	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.69	1.08	0.37	1.77	1.07
2012	Nearshore	ngf.	CA halibut	CAhalibut	1.30	0.03	0.03	1.34	1.34
2012	Nearshore	ngf.	Dungeness crab	Dungeness crab	2.58	0.06	0.06	2.64	2.64
2012	Nearshore	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	0.92	0.92	0.92	0.92
2012	Nearshore	ngf.	Other ngf.	Bass, unid.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	ngf.	Other ngf.	Bat ray	0.00	0.16	0.16	0.17	0.17
2012	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.06	0.00	0.00	0.06	0.06
2012	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	3.29	3.29	3.29	3.29
2012	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	1.12	1.12	1.12	1.12
2012	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.03	0.03	0.03	0.03
2012	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.04	0.04	0.04	0.04
2012	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.23	0.23	0.23	0.23
2012	Nearshore	ngf.	Other ngf.	CAbarracuda	0.04	0.00	0.00	0.04	0.04
2012	Nearshore	ngf.	Other ngf.	CAmoray	0.00	0.44	0.44	0.44	0.44
2012	Nearshore	ngf.	Other ngf.	CAsheephead	27.56	31.58	31.58	59.15	59.15
2012	Nearshore	ngf.	Other ngf.	CAspiny lobster	6.06	0.00	0.00	6.06	6.06
2012	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.13	0.13	0.13	0.13
2012	Nearshore	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Crab, unid.	0.58	0.00	0.00	0.58	0.58
2012	Nearshore	ngf.	Other ngf.	Croaker, unid.	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.07	0.07	0.07	0.07
2012	Nearshore	ngf.	Other ngf.	Eel, unid.	0.05	0.00	0.00	0.05	0.05
2012	Nearshore	ngf.	Other ngf.	Finescale triggerfish	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.14	0.14	0.14	0.14
2012	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.94	0.94	0.94	0.94
2012	Nearshore	ngf.	Other ngf.	Giant kelpfish	0.00	0.04	0.04	0.04	0.04
2012	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.05	0.05	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.43	0.43	0.43	0.43
2012	Nearshore	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	13.59	13.59	13.59	13.59
2012	Nearshore	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Market squid	0.05	0.00	0.00	0.05	0.05
2012	Nearshore	ngf.	Other ngf.	Mixed species	1.01	0.00	0.00	1.01	1.01
2012	Nearshore	ngf.	Other ngf.	Mollusc, unid.	0.69	0.00	0.00	0.69	0.69
2012	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.02	0.03	0.03	0.04	0.04
2012	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.16	0.27	0.27	0.42	0.42
2012	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.12	0.12	0.12	0.12
2012	Nearshore	ngf.	Other ngf.	Pacific angel shark	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	PHLB	0.00	2.25	2.25	2.25	2.25
2012	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.06	0.00	0.00	0.06	0.06
2012	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.55	0.55	0.55	0.55
2012	Nearshore	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Puget Sound king crab	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.03	0.03	0.03	0.03
2012	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.31	0.31	0.31	0.31
2012	Nearshore	ngf.	Other ngf.	Red rock crab	53.44	0.13	0.13	53.57	53.57
2012	Nearshore	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Rock greenling	0.04	0.03	0.03	0.07	0.07
2012	Nearshore	ngf.	Other ngf.	Round stingray	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.12	0.12	0.12	0.12
2012	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.01	0.01	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.02	0.53	0.53	0.55	0.55
2012	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.05	0.24	0.24	0.28	0.28
2012	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2012	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	21.54	21.54	21.54	21.54
2012	Nearshore	ngf.	Other ngf.	Shark, unid.	0.32	0.00	0.00	0.32	0.32
2012	Nearshore	ngf.	Other ngf.	Sheep crab	0.00	0.02	0.02	0.02	0.02
2012	Nearshore	ngf.	Other ngf.	Skate, unid.	0.32	0.04	0.04	0.37	0.37
2012	Nearshore	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.06	0.06	0.06	0.06
2012	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	Nearshore	ngf.	Other ngf.	Spot prawn	1.93	0.00	0.00	1.93	1.93
2012	Nearshore	ngf.	Other ngf.	Squid, unid.	0.14	0.00	0.00	0.14	0.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.04	0.04	0.04	0.04
2012	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.09	0.31	0.31	0.40	0.40
2012	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.05	0.05	0.05	0.05
2012	Nearshore	ngf.	Other ngf.	White croaker	0.01	0.00	0.00	0.01	0.01
2012	Nearshore	ngf.	Other ngf.	White sea bass	0.57	0.00	0.00	0.57	0.57
2012	Nearshore	ngf.	Other ngf.	Wolf-eel	0.06	0.62	0.62	0.68	0.68
2012	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.04	0.00	0.00	0.04	0.04
2012	OA CA Halibut	gf.	Big skate	Big skate	0.00	20.07	10.03	20.07	10.03
2012	OA CA Halibut	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	ECS	CAskate	0.00	0.46	0.46	0.46	0.46
2012	OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	ECS	Soupfin shark	0.05	0.00	0.00	0.05	0.05
2012	OA CA Halibut	gf.	English sole	English sole	0.09	0.87	0.87	0.95	0.95
2012	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2012	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.05	0.02	0.05	0.02
2012	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2012	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.00	0.57	0.57	0.57	0.57
2012	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.36	0.00	0.00	0.36	0.36
2012	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.02	0.75	0.75	0.76	0.76
2012	OA CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.01	0.01	0.01	0.01
2012	OA CA Halibut	gf.	Other flatfish	Rock sole	0.13	0.00	0.00	0.13	0.13
2012	OA CA Halibut	gf.	Other flatfish	Sand sole	9.56	0.02	0.02	9.58	9.58
2012	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Other gf.	Leopard shark	0.05	0.00	0.00	0.05	0.05
2012	OA CA Halibut	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.06	0.15	0.15	0.20	0.20
2012	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	1.82	1.82	1.82	1.82
2012	OA CA Halibut	gf.	Starry flounder	Starry flounder	3.22	0.84	0.84	4.06	4.06
2012	OA CA Halibut	ngf.	CA halibut	CAhalibut	55.78	0.34	0.34	56.11	56.11
2012	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	149.64	149.64	149.64	149.64
2012	OA CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.22	0.00	0.00	0.22	0.22
2012	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.13	0.13	0.14	0.14
2012	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.13	0.15	0.15	0.29	0.29
2012	OA CA Halibut	ngf.	Non-FMP flatfish	Spotted turbot	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.01	0.01	0.01	0.01
2012	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.03	1.81	1.81	1.83	1.83
2012	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.71	1.71	1.71	1.71
2012	OA CA Halibut	ngf.	Other ngf.	CAlizardfish	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.03	0.00	0.00	0.03	0.03
2012	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.09	0.00	0.00	0.09	0.09
2012	OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.04	0.04	0.04	0.04
2012	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.12	0.12	0.12	0.12
2012	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.49	0.49	0.49	0.49
2012	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.95	0.95	0.95	0.95
2012	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	114.00	114.00	114.00	114.00
2012	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.04	0.04	0.04	0.04
2012	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2012	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2012	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.44	0.19	0.19	0.63	0.63
2012	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.29	0.29	0.29	0.29
2012	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.15	0.15	0.15	0.15
2012	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.13	0.13	0.13	0.13
2012	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.02	0.00	0.00	0.02	0.02
2012	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.01	0.01	0.01	0.01
2012	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2012	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.54	0.01	0.01	0.55	0.55
2012	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.10	0.10	0.10	0.10
2012	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.49	0.49	0.49	0.49
2012	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2012	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.06	0.06	0.06	0.06
2012	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.15	0.00	0.00	0.15	0.15
2012	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.68	0.00	0.00	0.68	0.68
2012	OA CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.05	0.05	0.05	0.05
2012	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.27	0.27	0.27	0.27
2012	OA CA Halibut	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Other ngf.	White croaker	0.04	0.02	0.02	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.34	0.00	0.00	0.34	0.34
2012	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01
2012	OA CA Halibut	ngf.	Shared ECS	Longfin smelt	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA CA Halibut	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.31	6.41	6.41	6.72	6.72
2012	OA FG – H&L	gf.	Big skate	Big skate	0.04	0.83	0.83	0.87	0.87
2012	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.19	0.00	0.00	0.19	0.19
2012	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.84	0.00	0.00	1.84	1.84
2012	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.07	0.00	0.00	0.07	0.07
2012	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.34	0.00	0.00	0.34	0.34
2012	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.68	0.02	0.02	0.70	0.70
2012	OA FG – H&L	gf.	Dover sole	Dover sole	0.29	0.49	0.49	0.78	0.78
2012	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.60	0.60	0.60	0.60
2012	OA FG – H&L	gf.	ECS	Grenadier, unid.	5.80	0.00	0.00	5.80	5.80
2012	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2012	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	0.58	0.58	0.58	0.58
2012	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.14	0.14	0.14	0.14
2012	OA FG – H&L	gf.	ECS	Soupfin shark	0.06	0.00	0.00	0.06	0.06
2012	OA FG – H&L	gf.	ECS	Spotted ratfish	0.01	1.57	1.57	1.58	1.58
2012	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	13.17	0.30	0.02	13.47	13.19
2012	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	5.00	0.00	0.00	5.00	5.00
2012	OA FG – H&L	gf.	Longnose skate	Longnose skate	5.14	7.37	3.68	12.51	8.82
2012	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.04	0.16	0.16	0.19	0.19
2012	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.66	0.01	0.01	0.67	0.67
2012	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.03	0.00	0.00	0.03	0.03
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.07	0.00	0.00	0.07	0.07
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.14	0.01	0.01	0.14	0.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.03	0.03	0.05	0.05
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.10	0.00	0.00	0.10	0.10
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.18	0.00	0.00	0.18	0.18
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.11	0.00	0.00	0.11	0.11
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.96	0.00	0.00	0.96	0.96
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.04	0.00	0.00	0.04	0.04
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.03	0.00	0.00	0.03	0.03
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.08	0.00	0.00	0.08	0.08
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.61	0.00	0.00	0.61	0.61
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.03	0.00	0.00	0.03	0.03
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.22	0.00	0.00	0.22	0.22
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	8.25	0.00	0.00	8.25	8.25
2012	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.47	0.00	0.00	0.47	0.47
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.20	0.00	0.00	0.20	0.20
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.59	0.03	0.03	1.62	1.62
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.65	0.13	0.13	2.78	2.78
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.17	0.00	0.00	0.17	0.17
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.03	0.03	0.03	0.03
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2012	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.05	0.05	0.08	0.08
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.42	0.00	0.00	0.42	0.42
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	58.62	1.13	1.13	59.75	59.75
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.54	0.00	0.00	0.54	0.54
2012	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.05	0.01	0.01	0.05	0.05
2012	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	1.96	0.00	0.00	1.96	1.96
2012	OA FG – H&L	gf.	Other flatfish	Rock sole	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	1.87	0.00	0.00	1.87	1.87
2012	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	gf.	Other gf.	Leopard shark	0.61	0.00	0.00	0.61	0.61
2012	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.30	0.00	0.00	1.30	1.30
2012	OA FG – H&L	gf.	Pacific cod	Pacific cod	1.03	0.00	0.00	1.03	1.03
2012	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.02	0.02	0.02	0.02
2012	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2012	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.06	0.06	0.06	0.12	0.12
2012	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	146.87	32.74	6.55	179.61	153.42
2012	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	51.72	1.03	0.21	52.76	51.93
2012	OA FG – H&L	gf.	SST (N of 34°27')	SST	1.13	3.31	3.31	4.44	4.44
2012	OA FG – H&L	gf.	SST (S of 34°27')	SST	6.20	0.28	0.28	6.48	6.48
2012	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.40	23.06	11.53	23.46	11.93
2012	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.20	0.00	0.00	0.20	0.20
2012	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2012	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.15	0.15	0.15	0.15
2012	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.09	0.00	0.00	0.09	0.09
2012	OA FG – H&L	ngf.	CA halibut	CAhalibut	0.47	0.00	0.00	0.47	0.47
2012	OA FG – H&L	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.18	0.00	0.00	0.18	0.18
2012	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2012	OA FG – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	ngf.	Other ngf.	Bat ray	0.05	0.00	0.00	0.05	0.05
2012	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.05	3.99	3.99	4.04	4.04
2012	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.15	0.00	0.00	0.15	0.15
2012	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.19	0.19	0.19	0.19
2012	OA FG – H&L	ngf.	Other ngf.	CAbarracuda	0.06	0.00	0.00	0.06	0.06
2012	OA FG – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	ngf.	Other ngf.	Dorado	0.01	0.00	0.00	0.01	0.01
2012	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	4.67	4.67	4.67	4.67
2012	OA FG – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.12	0.12	0.12	0.12
2012	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.07	0.05	0.05	0.12	0.12
2012	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.01	0.02	0.02	0.03	0.03
2012	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.11	0.00	0.00	0.11	0.11
2012	OA FG – H&L	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA FG – H&L	ngf.	Other ngf.	Northern anchovy	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.03	0.03
2012	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.03	0.03	0.03	0.03
2012	OA FG – H&L	ngf.	Other ngf.	PHLB	0.20	23.22	1.54	23.43	1.74
2012	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.12	0.00	0.00	0.12	0.12
2012	OA FG – H&L	ngf.	Other ngf.	Pacific sardine	0.09	0.00	0.00	0.09	0.09
2012	OA FG – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.21	0.21	0.21	0.21
2012	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.02	8.29	8.29	8.32	8.32
2012	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.71	0.00	0.00	0.71	0.71
2012	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.05	0.00	0.00	0.05	0.05
2012	OA FG – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.33	0.00	0.00	0.33	0.33
2012	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.07	0.00	0.00	0.07	0.07
2012	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2012	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.61	0.61	0.62	0.62
2012	OA FG – Pot	gf.	Black rf. (CA)	Black rf.	0.09	0.00	0.00	0.09	0.09
2012	OA FG – Pot	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.01	0.01	0.01	0.01
2012	OA FG – Pot	gf.	Dover sole	Dover sole	0.01	0.15	0.15	0.15	0.15
2012	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.02	0.03	0.03	0.04	0.04
2012	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.03	0.03	0.03	0.03
2012	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.05	0.00	0.00	0.05	0.05
2012	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.19	0.34	0.34	0.53	0.53
2012	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.05	0.00	0.00	0.05	0.05
2012	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.09	0.00	0.00	0.09	0.09
2012	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2012	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.09	0.00	0.00	0.09	0.09
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.26	0.06	0.06	0.32	0.32
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.06	0.06	0.06	0.06

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.03	0.03	0.03	0.03
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2012	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2012	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2012	OA FG – Pot	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	103.70	22.48	4.50	126.18	108.20
2012	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	20.92	0.00	0.00	20.92	20.92
2012	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.06	0.01	0.01	0.06	0.06
2012	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.10	0.10	0.10	0.10
2012	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	2.60	0.19	0.19	2.79	2.79
2012	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	ngf.	Other ngf.	CAspiny lobster	0.14	0.00	0.00	0.14	0.14
2012	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2012	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.34	0.00	0.00	0.34	0.34
2012	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.06	0.06	0.06	0.06
2012	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.41	0.07	0.41	0.07
2012	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.47	0.00	0.00	0.47	0.47
2012	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2012	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2012	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2012	OA FG – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.13	0.13	0.13	0.13
2012	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2012	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.05	0.05	0.05	0.05
2012	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.24	0.00	0.00	0.24	0.24
2012	PHLB Derby	gf.	Black rf. (OR)	Black rf.	0.03	0.00	0.00	0.03	0.03
2012	PHLB Derby	gf.	Canary rf.	Canary rf.	0.02	0.00	0.00	0.02	0.02
2012	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2012	PHLB Derby	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2012	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	2.59	0.00	0.00	2.59	2.59
2012	PHLB Derby	gf.	Longnose skate	Longnose skate	2.48	0.00	0.00	2.48	2.48
2012	PHLB Derby	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2012	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2012	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.11	0.00	0.00	0.11	0.11
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.21	0.00	0.00	0.21	0.21
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2012	PHLB Derby	gf.	Pacific cod	Pacific cod	0.45	0.00	0.00	0.45	0.45
2012	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2012	PHLB Derby	gf.	Petrale sole	Petrale sole	0.33	0.00	0.00	0.33	0.33
2012	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	9.46	0.00	0.00	9.46	9.46
2012	PHLB Derby	gf.	SST (N of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2012	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.00	0.00	0.03	0.03
2012	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2012	PHLB Derby	ngf.	Other ngf.	Albacore tuna	0.12	0.00	0.00	0.12	0.12
2012	PHLB Derby	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2012	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.35	0.00	0.00	0.35	0.35
2012	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	6.43	6.43	6.43	6.43
2012	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.09	0.09	0.09	0.09
2012	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	4.96	4.96	4.96	4.96
2012	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	1.52	1.52	1.52	1.52
2012	Pink Shrimp	gf.	ECS	CAskate	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.17	0.17	0.17	0.17
2012	Pink Shrimp	gf.	English sole	English sole	0.00	0.06	0.06	0.06	0.06
2012	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.58	0.58	0.58	0.58
2012	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.55	0.55	0.55	0.55
2012	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	1.01	1.01	1.01	1.01
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.55	0.55	0.55	0.55
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	5.78	5.78	5.78	5.78
2012	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.68	0.68	0.68	0.68
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.13	0.13	0.13	0.13
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	1.06	1.06	1.06	1.06
2012	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	5.02	5.02	5.02	5.02
2012	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	2.01	2.01	2.01	2.01
2012	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	3.47	3.47	3.47	3.47
2012	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	13.70	13.70	13.70	13.70
2012	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.32	0.32	0.32	0.32
2012	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.00	0.08	0.08	0.08	0.08
2012	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	18.74	18.74	18.74	18.74
2012	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.19	0.19	0.19	0.19
2012	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	0.88	0.88	0.88	0.88
2012	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.08	0.08	0.08	0.08
2012	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.38	0.38	0.38	0.38
2012	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.11	0.11	0.11	0.11
2012	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.90	0.90	0.90	0.90
2012	Pink Shrimp	gf.	Starry flounder	Starry flounder	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.12	0.12	0.12	0.12
2012	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	1.14	1.14	1.14	1.14
2012	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.05	0.05	0.05	0.05
2012	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	93.51	93.51	93.51	93.51
2012	Pink Shrimp	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.04	0.04	0.04	0.04
2012	Pink Shrimp	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.15	0.15	0.15	0.15
2012	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.59	0.59	0.59	0.59

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.10	0.10	0.10	0.10
2012	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.04	0.04	0.04	0.04
2012	Pink Shrimp	ngf.	Other ngf.	Brown box crab	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Clam, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	18.42	18.42	18.42	18.42
2012	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	6.82	6.82	6.82	6.82
2012	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	3.32	3.32	3.32	3.32
2012	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.97	0.97	0.97	0.97
2012	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.40	0.40	0.40	0.40
2012	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.03	0.03	0.03	0.03
2012	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	2.03	2.03	2.03	2.03
2012	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Leaf-like eel	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.23	0.23	0.23	0.23
2012	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.05	0.05	0.05	0.05
2012	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.27	0.27	0.27	0.27
2012	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.18	0.18	0.18	0.18
2012	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	4.89	4.89	4.89	4.89
2012	Pink Shrimp	ngf.	Other ngf.	Pacific mackerel	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	0.90	0.90	0.90	0.90
2012	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.08	0.08	0.08	0.08
2012	Pink Shrimp	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Pink Shrimp	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.64	0.64	0.64	0.64
2012	Pink Shrimp	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.38	0.38	0.38	0.38
2012	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.04	0.04	0.04	0.04
2012	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.12	0.12	0.12	0.12
2012	Pink Shrimp	ngf.	Other ngf.	Silver surfperch	0.00	0.05	0.05	0.05	0.05
2012	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Soft eelpout	0.00	0.88	0.88	0.88	0.88
2012	Pink Shrimp	ngf.	Other ngf.	Southern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	79.08	79.08	79.08	79.08
2012	Pink Shrimp	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2012	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.07	0.07	0.07	0.07
2012	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.54	0.54	0.54	0.54
2012	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.69	0.69	0.69	0.69
2012	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.08	0.08	0.08	0.08
2012	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	29321.61	0.00	0.00	29321.61	29321.61
2012	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	780.12	780.12	780.12	780.12
2012	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.04	0.04	0.04	0.04
2012	Pink Shrimp	ngf.	Shared ECS	Lightfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	30.61	30.61	30.61	30.61
2012	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.01	0.01	0.01	0.01
2012	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	23.86	23.86	23.86	23.86
2012	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	71.51	71.51	71.51	71.51
2012	Pink Shrimp	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	9.09	9.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	1.79	1.79
2012	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	2.55	2.55
2012	Research	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.10	0.10
2012	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	3.75	3.75
2012	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	5.30	5.30
2012	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.22	0.22
2012	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.74	1.74
2012	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	41.85	41.85
2012	Research	gf.	ECS	Black skate	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	ECS	CAgrenadier	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	ECS	CAskate	0.00	0.00	0.00	0.35	0.35
2012	Research	gf.	ECS	Giant grenadier	0.00	0.00	0.00	0.20	0.20
2012	Research	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	3.64	3.64
2012	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.23	0.23
2012	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	1.64	1.64
2012	Research	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	7.15	7.15
2012	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.45	2.45
2012	Research	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Lingcod (N of 42°)	Lingcod	0.00	0.00	0.00	5.27	5.27
2012	Research	gf.	Lingcod (S of 42°)	Lingcod	0.00	0.00	0.00	1.14	1.14
2012	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	10.29	10.29
2012	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	13.51	13.51
2012	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	1.41	1.41
2012	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.07	0.07
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.38	0.38
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	2.14	2.14
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.12	0.12
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.07	0.07
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.13	0.13
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	1.91	1.91
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	4.02	4.02
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.45	0.45
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.10	0.10
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.85	0.85
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.05	0.05
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.38	0.38
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.17	0.17
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	2.68	2.68
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.19	0.19
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.04	0.04
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.05	0.05
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.07	0.07
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	2.06	2.06
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	2.09	2.09
2012	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	1.69	1.69
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.25	0.25
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.07	0.07
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.23	0.23
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	4.19	4.19

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.28	0.28
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	3.17	3.17
2012	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.02	0.02
2012	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.34	0.34
2012	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.06	0.06
2012	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.30	0.30
2012	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.17	0.17
2012	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.07	0.07
2012	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	9.77	9.77
2012	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	8.79	8.79
2012	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.11	0.11
2012	Research	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2012	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.01	0.01
2012	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.06	0.06
2012	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	1.46	1.46
2012	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	473.41	473.41
2012	Research	gf.	POP	POP	0.00	0.00	0.00	1.63	1.63
2012	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	4.43	4.43
2012	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	21.20	21.20
2012	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.99	0.99
2012	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	1.22	1.22
2012	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	5.85	5.85
2012	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.53	0.53
2012	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	33.22	33.22
2012	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	1.71	1.71
2012	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.03	0.03
2012	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.77	0.77
2012	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	1.25	1.25
2012	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	10.33	10.33
2012	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.35	0.35
2012	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2012	RBPT	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.00	0.00
2012	RBPT	gf.	Dover sole	Dover sole	0.13	0.00	0.00	0.13	0.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	RBPT	gf.	ECS	Soupfin shark	0.01	0.00	0.00	0.01	0.01
2012	RBPT	gf.	English sole	English sole	0.39	0.00	0.00	0.39	0.39
2012	RBPT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2012	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.00	0.00	0.02	0.02
2012	RBPT	gf.	Other flatfish	Flatfish, unid.	9.66	0.00	0.00	9.66	9.66
2012	RBPT	gf.	Other flatfish	Rex sole	0.39	0.00	0.00	0.39	0.39
2012	RBPT	gf.	Other flatfish	Rock sole	0.06	0.00	0.00	0.06	0.06
2012	RBPT	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2012	RBPT	gf.	Other gf.	Leopard shark	0.01	0.00	0.00	0.01	0.01
2012	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2012	RBPT	ngf.	CA halibut	CAhalibut	0.22	0.00	0.00	0.22	0.22
2012	RBPT	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2012	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.04	0.00	0.00	0.04	0.04
2012	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2012	RBPT	ngf.	Other ngf.	Common thresher shark	0.00	0.00	0.00	0.00	0.00
2012	RBPT	ngf.	Other ngf.	Crab, unid.	1.01	0.00	0.00	1.01	1.01
2012	RBPT	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2012	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2012	RBPT	ngf.	Other ngf.	Market squid	0.40	0.00	0.00	0.40	0.40
2012	RBPT	ngf.	Other ngf.	Mixed species	7.16	0.00	0.00	7.16	7.16
2012	RBPT	ngf.	Other ngf.	Octopus, unid.	0.04	0.00	0.00	0.04	0.04
2012	RBPT	ngf.	Other ngf.	Pacific angel shark	0.15	0.00	0.00	0.15	0.15
2012	RBPT	ngf.	Other ngf.	Pacific mackerel	0.03	0.00	0.00	0.03	0.03
2012	RBPT	ngf.	Other ngf.	Pacific sardine	0.02	0.00	0.00	0.02	0.02
2012	RBPT	ngf.	Other ngf.	Red rock crab	1.63	0.00	0.00	1.63	1.63
2012	RBPT	ngf.	Other ngf.	Ridgeback prawn	99.07	0.00	0.00	99.07	99.07
2012	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.30	0.00	0.00	0.30	0.30
2012	RBPT	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2012	RBPT	ngf.	Other ngf.	Skate, unid.	0.81	0.00	0.00	0.81	0.81
2012	RBPT	ngf.	Other ngf.	Spot prawn	0.81	0.00	0.00	0.81	0.81
2012	RBPT	ngf.	Other ngf.	White croaker	2.44	0.00	0.00	2.44	2.44
2012	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.06	0.00	0.00	0.06	0.06
2012	SCT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.01	0.00	0.00	0.01	0.01
2012	SCT	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04
2012	SCT	ngf.	CA halibut	CAhalibut	0.11	0.00	0.00	0.11	0.11
2012	SCT	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2012	SCT	ngf.	Other ngf.	CAbarracuda	0.00	0.00	0.00	0.00	0.00
2012	SCT	ngf.	Other ngf.	Crab, unid.	0.14	0.00	0.00	0.14	0.14
2012	SCT	ngf.	Other ngf.	Market squid	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	SCT	ngf.	Other ngf.	Mixed species	0.03	0.00	0.00	0.03	0.03
2012	SCT	ngf.	Other ngf.	Pacific angel shark	0.04	0.00	0.00	0.04	0.04
2012	SCT	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2012	SCT	ngf.	Other ngf.	Red rock crab	0.06	0.00	0.00	0.06	0.06
2012	SCT	ngf.	Other ngf.	Ridgeback prawn	0.12	0.00	0.00	0.12	0.12
2012	SCT	ngf.	Other ngf.	Sea cucumber, unid.	86.38	0.00	0.00	86.38	86.38
2012	SCT	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2012	SCT	ngf.	Other ngf.	Skate, unid.	0.03	0.00	0.00	0.03	0.03
2012	SCT	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01
2012	SCT	ngf.	Other ngf.	White croaker	0.02	0.00	0.00	0.02	0.02
2012	SCT	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2012	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	24.99	0.00	0.00	24.99	24.99
2012	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.15	0.00	0.00	2.16	2.16
2012	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	4.30	0.03	0.03	4.33	4.33
2012	Shoreside Hake	gf.	Dover sole	Dover sole	0.60	0.00	0.00	0.60	0.60
2012	Shoreside Hake	gf.	ECS	Grenadier, unid.	0.01	0.00	0.00	0.01	0.01
2012	Shoreside Hake	gf.	ECS	Soupfin shark	0.51	0.13	0.13	0.64	0.64
2012	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2012	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	1.36	0.00	0.00	1.36	1.36
2012	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	3.75	0.00	0.00	3.75	3.75
2012	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.24	0.00	0.00	0.24	0.24
2012	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.23	0.00	0.00	0.23	0.23
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.04	0.00	0.00	0.04	0.04
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.46	0.00	0.00	0.46	0.46
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.46	0.00	0.00	0.46	0.46
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.23	0.00	0.00	0.23	0.23
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.87	0.00	0.00	0.87	0.87
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	46.75	0.01	0.01	46.76	46.76
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.08	0.00	0.00	1.08	1.08
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	6.12	0.00	0.00	6.12	6.12
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	15.88	0.23	0.23	16.11	16.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.30	0.00	0.00	0.30	0.30
2012	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Other flatfish	Rex sole	4.39	0.00	0.00	4.39	4.39
2012	Shoreside Hake	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.04	0.00	0.00	0.04	0.04
2012	Shoreside Hake	gf.	Pacific hake	Pacific hake	65396.38	127.92	127.92	65524.30	65524.30
2012	Shoreside Hake	gf.	POP (N of 40°10')	POP	12.39	0.03	0.03	12.42	12.42
2012	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	47.21	0.00	0.00	47.21	47.21
2012	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.09	0.00	0.00	0.09	0.09
2012	Shoreside Hake	gf.	SST (N of 34°27')	SST	8.32	0.00	0.00	8.32	8.32
2012	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	159.69	0.46	0.46	160.15	160.15
2012	Shoreside Hake	gf.	Widow rf.	Widow rf.	107.38	0.05	0.05	107.42	107.42
2012	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	389.88	0.03	0.03	389.92	389.92
2012	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	ngf.	Other ngf.	American shad	146.55	0.00	0.00	146.55	146.55
2012	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.16	0.20	0.20	0.36	0.36
2012	Shoreside Hake	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.23	0.00	0.00	0.23	0.23
2012	Shoreside Hake	ngf.	Other ngf.	Brown cat shark	14.31	0.01	0.01	14.31	14.31
2012	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	4.04	0.56	0.56	4.61	4.61
2012	Shoreside Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2012	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	39.49	0.00	0.00	39.49	39.49
2012	Shoreside Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	2.83	0.00	0.00	2.83	2.83
2012	Shoreside Hake	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	ngf.	Other ngf.	Mixed species	1.31	0.00	0.00	1.31	1.31
2012	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2012	Shoreside Hake	ngf.	Other ngf.	PHLB	0.62	0.00	0.00	0.62	0.62
2012	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2012	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	3.42	0.00	0.00	3.42	3.42
2012	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.17	0.00	0.00	0.17	0.17
2012	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	2.21	6.75	6.75	8.96	8.96
2012	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.07	0.00	0.00	0.07	0.07
2012	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	22.23	0.31	0.31	22.54	22.54
2012	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	55.55	0.00	0.00	55.55	55.55
2012	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.15	0.00	0.00	0.15	0.15
2012	Tribal Shoreside	gf.	Canary rf.	Canary rf.	7.76	0.00	0.00	7.76	7.76
2012	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.73	0.00	0.00	0.73	0.73
2012	Tribal Shoreside	gf.	Dover sole	Dover sole	96.26	0.00	0.00	96.26	96.26

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Tribal Shoreside	gf.	English sole	English sole	73.02	0.00	0.00	73.02	73.02
2012	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	50.87	0.00	0.00	50.87	50.87
2012	Tribal Shoreside	gf.	Longnose skate	Longnose skate	3.68	0.00	0.00	3.68	3.68
2012	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.04	0.00	0.00	0.04	0.04
2012	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.08	0.00	0.00	0.08	0.08
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.29	0.00	0.00	0.29	0.29
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.23	0.00	0.00	0.23	0.23
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	6.41	0.00	0.00	6.41	6.41
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.10	0.00	0.00	0.10	0.10
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.33	0.00	0.00	0.33	0.33
2012	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	6.30	0.00	0.00	6.30	6.30
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	15.58	0.00	0.00	15.58	15.58
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.23	0.00	0.00	0.23	0.23
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.36	0.00	0.00	1.36	1.36
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.00	0.00	0.05	0.05
2012	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2012	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	0.59	0.00	0.00	0.59	0.59
2012	Tribal Shoreside	gf.	Other flatfish	Rex sole	37.44	0.00	0.00	37.44	37.44
2012	Tribal Shoreside	gf.	Other flatfish	Rock sole	7.24	0.00	0.00	7.24	7.24
2012	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	4.37	0.00	0.00	4.37	4.37
2012	Tribal Shoreside	gf.	Pacific cod	Pacific cod	233.21	0.00	0.00	233.21	233.21
2012	Tribal Shoreside	gf.	Pacific hake	Pacific hake	612.69	0.00	0.00	612.69	612.69
2012	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.24	0.00	0.00	0.24	0.24
2012	Tribal Shoreside	gf.	Petrale sole	Petrale sole	69.71	0.00	0.00	69.71	69.71
2012	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	583.52	0.00	0.00	583.52	583.52
2012	Tribal Shoreside	gf.	SST (N of 34°27')	SST	19.79	0.00	0.00	19.79	19.79
2012	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	1.84	0.00	0.00	1.84	1.84
2012	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2012	Tribal Shoreside	gf.	Widow rf.	Widow rf.	38.35	0.00	0.00	38.35	38.35
2012	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.15	0.00	0.00	0.15	0.15
2012	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	511.67	0.00	0.00	511.67	511.67
2012	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1441.98	0.00	0.00	1441.98	1441.98
2012	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	14.80	0.00	0.00	14.80	14.80
2012	Tribal Shoreside	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2012	Tribal Shoreside	ngf.	Other ngf.	Bait shrimp, unid.	0.45	0.00	0.00	0.45	0.45

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2012	Tribal Shoreside	ngf.	Other ngf.	Hagfish, unid.	0.34	0.00	0.00	0.34	0.34
2012	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2012	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	26.47	0.00	0.00	26.47	26.47
2012	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.26	0.00	0.00	0.26	0.26
2012	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	1.08	0.00	0.00	1.08	1.08
2012	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	1127.97	0.00	0.00	1127.97	1127.97
2012	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.12	0.00	0.00	0.12	0.12
2012	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	77.27	0.00	0.00	77.27	77.27
2012	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.25	0.00	0.00	0.25	0.25
2012	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	0.50	0.00	0.00	0.50	0.50
2012	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.02	0.00	0.00	0.02	0.02
2012	Tribal Shoreside	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	8.51	2.58	2.58	11.09	11.09
2013	A-S Hake CP	gf.	Big skate	Big skate	0.10	0.00	0.00	0.10	0.10
2013	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.06	0.12	0.12	0.18	0.18
2013	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.35	0.74	0.74	2.08	2.08
2013	A-S Hake CP	gf.	Dover sole	Dover sole	0.76	0.27	0.27	1.03	1.03
2013	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.07	0.10	0.10	0.17	0.17
2013	A-S Hake CP	gf.	ECS	Sandpaper skate	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.15	0.00	0.00	0.15	0.15
2013	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.04	0.03	0.03	0.08	0.08
2013	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.14	0.09	0.09	0.23	0.23
2013	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.84	0.84	0.84	0.84
2013	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.07	0.07	0.10	0.10
2013	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.02	0.02	0.03	0.03
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.73	5.46	5.46	11.20	11.20
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	13.99	8.21	8.21	22.21	22.21
2013	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	0.14	0.01	0.01	0.16	0.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Other flatfish	Rex sole	8.72	2.28	2.28	11.00	11.00
2013	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.03	0.00	0.00	0.03	0.03
2013	A-S Hake CP	gf.	Pacific hake	Pacific hake	78004.83	36.24	36.24	78041.07	78041.07
2013	A-S Hake CP	gf.	POP (N of 40°10')	POP	1.45	2.83	2.83	4.28	4.28
2013	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	8.16	1.53	1.53	9.68	9.68
2013	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	gf.	SST (N of 34°27')	SST	13.64	1.90	1.90	15.54	15.54
2013	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	15.17	49.61	49.61	64.78	64.78
2013	A-S Hake CP	gf.	Widow rf.	Widow rf.	12.02	3.72	3.72	15.74	15.74
2013	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	56.41	22.04	22.04	78.45	78.45
2013	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	American shad	5.74	4.86	4.86	10.60	10.60
2013	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	13.80	19.31	19.31	33.11	33.11
2013	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.24	0.24	0.24	0.24
2013	A-S Hake CP	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.01	0.01
2013	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.11	0.02	0.02	0.13	0.13
2013	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.01	0.01
2013	A-S Hake CP	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.07	0.01	0.01	0.07	0.07
2013	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	2.88	0.92	0.92	3.79	3.79
2013	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.24	0.65	0.65	0.89	0.89
2013	A-S Hake CP	ngf.	Other ngf.	King of the salmon	0.41	0.54	0.54	0.95	0.95
2013	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.03	0.01	0.01	0.04	0.04
2013	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.15	0.07	0.07	0.22	0.22
2013	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Medusafish	0.12	0.17	0.17	0.29	0.29
2013	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.02	0.02	0.03	0.03
2013	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.07	0.00	0.00	0.07	0.07
2013	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.67	0.67	0.67	0.67
2013	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.01	0.01
2013	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.03	0.00	0.00	0.03	0.03
2013	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.28	1.73	1.73	2.01	2.01
2013	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Ragfish	3.83	3.00	3.00	6.83	6.83
2013	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.11	0.10	0.10	0.21	0.21
2013	A-S Hake CP	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	0.81	0.81	0.81	0.81
2013	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.01	0.01	0.01	0.02	0.02
2013	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	109.52	67.66	67.66	177.18	177.18
2013	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.03	0.01	0.01	0.04	0.04
2013	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.01	0.01	0.01	0.03	0.03
2013	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.15	0.16	0.16	0.31	0.31
2013	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.30	0.21	0.21	0.50	0.50
2013	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.01	0.01
2013	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	1.55	1.89	1.89	3.44	3.44
2013	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.10	0.10	0.10	0.10
2013	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.17	0.31	0.31	0.48	0.48
2013	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	1.30	2.94	2.94	4.24	4.24
2013	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.01	0.07	0.07	0.07	0.07
2013	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.22	0.22	0.22	0.22
2013	A-S Hake MSCV	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.00	0.23	0.23	0.23	0.23
2013	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.47	0.89	0.89	1.36	1.36
2013	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.03	0.17	0.17	0.20	0.20
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.12	0.12	0.17	0.17
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.01	0.01	0.02	0.02
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.02	0.02	0.03	0.03
2013	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.04	1.57	1.57	6.62	6.62
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.27	2.72	2.72	3.98	3.98
2013	A-S Hake MSCV	gf.	Mixed thornyheads	SST/LST	0.35	0.00	0.00	0.35	0.35
2013	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.54	0.56	0.56	1.10	1.10
2013	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	52348.33	174.01	174.01	52522.34	52522.34
2013	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	0.47	0.67	0.67	1.14	1.14
2013	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	1.51	1.50	1.50	3.02	3.02
2013	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.04	0.68	0.68	0.73	0.73
2013	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	3.75	2.46	2.46	6.21	6.21
2013	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	1.83	30.87	30.87	32.69	32.69
2013	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	5.48	10.06	10.06	15.54	15.54
2013	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.85	189.07	189.07	190.92	190.92
2013	A-S Hake MSCV	ngf.	Dungeness crab	Dungeness crab	0.00	0.04	0.04	0.04	0.04
2013	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.75	0.39	0.39	1.14	1.14
2013	A-S Hake MSCV	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.07	0.07	0.07	0.07
2013	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	0.64	6.85	6.85	7.49	7.49
2013	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.36	0.36	0.36	0.36
2013	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.01	0.01	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2013	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.03	0.01	0.01	0.04	0.04
2013	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	10.51	75.59	75.59	86.10	86.10
2013	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.05	1.29	1.29	1.34	1.34
2013	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.01	0.44	0.44	0.45	0.45
2013	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.01	0.02	0.02	0.02	0.02
2013	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.00	0.04	0.04	0.04	0.04
2013	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.03	0.09	0.09	0.11	0.11
2013	A-S Hake MSCV	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.02	0.01	0.01	0.03	0.03
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.40	0.40	0.40	0.40
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.02	0.02	0.03	0.03
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.01	0.01
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.00	0.18	0.18	0.18	0.18
2013	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.03	0.03	0.04	0.04
2013	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.00	0.60	0.60	0.60	0.60
2013	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.02	0.00	0.00	0.02	0.02
2013	A-S Hake MSCV	ngf.	Other ngf.	Rough pomfret	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	4.36	4.36	4.36	4.36
2013	A-S Hake MSCV	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	24.46	32.12	32.12	56.59	56.59
2013	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.02	0.02	0.02	0.02
2013	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Shared ECS	Rainbow smelt	0.00	0.01	0.01	0.01	0.01
2013	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	A-S Hake MSCV	ngf.	Shared ECS	Surf smelt	0.01	0.00	0.00	0.01	0.01
2013	A-S Hake MSCV	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	1974.57	451.57	451.57	2426.14	2426.14
2013	CS – BT	gf.	Big skate	Big skate	20.87	30.23	15.12	51.10	35.99
2013	CS – BT	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Black rf. (OR)	Black rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Black rf. (WA)	Black rf.	0.07	0.00	0.00	0.07	0.07
2013	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	12.82	0.01	0.01	12.82	12.82
2013	CS – BT	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Canary rf.	Canary rf.	6.24	0.07	0.07	6.31	6.31
2013	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	322.46	73.63	73.63	396.09	396.09
2013	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.19	0.00	0.00	0.19	0.19
2013	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	110.55	2.36	2.36	112.91	112.91
2013	CS – BT	gf.	Dover sole	Dover sole	7886.31	105.00	105.00	7991.31	7991.31
2013	CS – BT	gf.	ECS	Alaska skate	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	gf.	ECS	Aleutian skate	0.00	1.68	1.68	1.68	1.68
2013	CS – BT	gf.	ECS	Black skate	0.00	18.01	18.01	18.01	18.01
2013	CS – BT	gf.	ECS	CAgrenadier	0.00	0.74	0.74	0.74	0.74
2013	CS – BT	gf.	ECS	CAskate	0.00	0.39	0.39	0.39	0.39
2013	CS – BT	gf.	ECS	Deepsea skate	0.00	0.36	0.36	0.36	0.36
2013	CS – BT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	ECS	Ghostly grenadier	0.00	0.08	0.08	0.08	0.08
2013	CS – BT	gf.	ECS	Giant grenadier	0.00	94.13	94.13	94.13	94.13
2013	CS – BT	gf.	ECS	Grenadier, unid.	51.65	6.45	6.45	58.10	58.10
2013	CS – BT	gf.	ECS	Pacific flatnose	0.00	1.46	1.46	1.46	1.46
2013	CS – BT	gf.	ECS	Pacific grenadier	6.13	42.30	42.30	48.43	48.43
2013	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	ECS	Roughshoulder/broad skate	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	gf.	ECS	Sandpaper skate	0.00	41.53	41.53	41.53	41.53
2013	CS – BT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	ECS	Soupfin shark	0.22	0.10	0.10	0.33	0.33
2013	CS – BT	gf.	ECS	Spotted ratfish	1.61	102.97	102.97	104.58	104.58

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	gf.	ECS	White skate	0.00	0.07	0.07	0.07	0.07
2013	CS – BT	gf.	English sole	English sole	197.62	23.33	23.33	220.94	220.94
2013	CS – BT	gf.	Groundfish unid	Groundfish, unid.	0.03	0.00	0.00	0.03	0.03
2013	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	310.40	18.11	9.06	328.51	319.46
2013	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	10.85	5.88	2.94	16.73	13.79
2013	CS – BT	gf.	Longnose skate	Longnose skate	854.65	134.21	67.10	988.85	921.75
2013	CS – BT	gf.	LST (N of 34°27')	LST	1031.07	34.26	34.26	1065.33	1065.33
2013	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.04	0.02	0.02	0.06	0.06
2013	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.09	0.01	0.01	0.10	0.10
2013	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.07	0.00	0.00	0.07	0.07
2013	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.34	0.00	0.00	0.34	0.34
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.94	0.22	0.22	3.16	3.16
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.01	0.00	0.00	0.01	0.01
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.04	0.01	0.01	0.04	0.04
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	12.78	2.78	2.78	15.56	15.56
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.83	0.00	0.00	1.83	1.83
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	1.50	0.89	0.89	2.39	2.39
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.52	0.01	0.01	0.52	0.52
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.74	0.00	0.00	0.74	0.74
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.67	2.57	2.57	3.24	3.24
2013	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.16	0.00	0.00	0.16	0.16
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.26	0.33	0.33	0.59	0.59
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	2.10	2.10	2.10	2.10
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.14	0.00	0.00	0.14	0.14
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.08	0.00	0.00	0.08	0.08
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.04	0.04	0.05	0.05
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.01	0.01	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.19	0.00	0.00	0.19	0.19
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.32	15.31	15.31	15.63	15.63
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2013	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.39	0.00	0.00	0.40	0.40
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	17.25	4.39	4.39	21.64	21.64
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	1.65	0.00	0.00	1.65	1.65
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	6.25	0.04	0.04	6.29	6.29
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	7.65	0.58	0.58	8.23	8.23
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	62.30	0.08	0.08	62.38	62.38
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	6.17	3.98	3.98	10.15	10.15
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	20.30	0.05	0.05	20.35	20.35
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.32	0.08	0.08	2.40	2.40
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	24.16	17.91	17.91	42.06	42.06
2013	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	5.52	0.01	0.01	5.52	5.52
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	4.73	2.87	2.87	7.60	7.60
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	47.51	0.04	0.04	47.55	47.55
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	39.47	0.30	0.30	39.77	39.77
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	4.53	0.19	0.19	4.72	4.72
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.62	0.00	0.00	0.63	0.63
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.86	0.86	0.86	0.86
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.01	0.01
2013	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Spotted rf., unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	gf.	Mixed thornyheads	SST/LST	5.72	0.11	0.11	5.83	5.83
2013	CS – BT	gf.	Other flatfish	Butter sole	0.06	0.16	0.16	0.22	0.22
2013	CS – BT	gf.	Other flatfish	Curlfin sole	0.67	0.83	0.83	1.49	1.49
2013	CS – BT	gf.	Other flatfish	Flatfish, unid.	0.85	0.10	0.10	0.94	0.94
2013	CS – BT	gf.	Other flatfish	Flathead sole	9.82	8.09	8.09	17.90	17.90
2013	CS – BT	gf.	Other flatfish	Pacific sanddab	141.00	66.62	66.62	207.62	207.62
2013	CS – BT	gf.	Other flatfish	Rex sole	467.62	25.78	25.78	493.40	493.40
2013	CS – BT	gf.	Other flatfish	Rock sole	3.03	0.35	0.35	3.38	3.38
2013	CS – BT	gf.	Other flatfish	Sand sole	12.83	0.72	0.72	13.55	13.55
2013	CS – BT	gf.	Other flatfish	Sanddab, unid.	61.54	0.39	0.39	61.94	61.94
2013	CS – BT	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.01	0.09	0.09	0.09	0.09
2013	CS – BT	gf.	Other gf.	Leopard shark	0.15	0.11	0.11	0.27	0.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	gf.	Other rf.	Rockfish, unid.	0.03	0.00	0.00	0.03	0.03
2013	CS – BT	gf.	Pacific cod	Pacific cod	153.53	0.43	0.43	153.96	153.96
2013	CS – BT	gf.	Pacific hake	Pacific hake	58.19	248.63	248.63	306.82	306.82
2013	CS – BT	gf.	POP (N of 40°10')	POP	41.86	1.05	1.05	42.91	42.91
2013	CS – BT	gf.	Petrale sole	Petrale sole	2107.12	17.96	17.96	2125.08	2125.08
2013	CS – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1394.54	7.60	3.80	1402.14	1398.34
2013	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	6.14	0.00	0.00	6.15	6.15
2013	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.13	18.09	18.09	18.22	18.22
2013	CS – BT	gf.	SST (N of 34°27')	SST	825.74	8.17	8.17	833.90	833.90
2013	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	8.65	280.70	280.70	289.34	289.34
2013	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	14.01	32.99	32.99	47.00	47.00
2013	CS – BT	gf.	Starry flounder	Starry flounder	3.21	0.27	0.27	3.47	3.47
2013	CS – BT	gf.	Widow rf.	Widow rf.	49.44	2.44	2.44	51.88	51.88
2013	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.05	0.00	0.00	0.05	0.05
2013	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	213.96	0.01	0.01	213.97	213.97
2013	CS – BT	ngf.	CA halibut	CAhalibut	19.36	0.01	0.01	19.37	19.37
2013	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.02	150.45	150.45	150.47	150.47
2013	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.22	18.10	18.10	18.33	18.33
2013	CS – BT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.00	48.71	48.71	48.71	48.71
2013	CS – BT	ngf.	Other ngf.	American shad	0.13	3.67	3.67	3.80	3.80
2013	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	32.00	32.00	32.00	32.00
2013	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.23	0.23	0.23	0.23
2013	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.07	0.00	0.00	0.08	0.08
2013	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Bat ray	0.00	0.99	0.99	0.99	0.99
2013	CS – BT	ngf.	Other ngf.	Bigeye starsnout poacher	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	2.04	2.04	2.04	2.04
2013	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.05	0.05	0.05	0.05
2013	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.08	0.08	0.08	0.08
2013	CS – BT	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	0.29	0.29	0.29	0.29
2013	CS – BT	ngf.	Other ngf.	Brown cat shark	0.05	36.03	36.03	36.09	36.09
2013	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.38	0.38	0.38	0.38
2013	CS – BT	ngf.	Other ngf.	Buffalo sculpin	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	CAking crab	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	CAslickhead	0.00	14.42	14.42	14.42	14.42
2013	CS – BT	ngf.	Other ngf.	Cancer crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	2.99	2.99	2.99	2.99
2013	CS – BT	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.30	0.30	0.30	0.30
2013	CS – BT	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Duckbill eel	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Echinoderm, unid.	0.04	0.00	0.00	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.00	24.40	24.40	24.40	24.40
2013	CS – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	0.79	0.79	0.79	0.79
2013	CS – BT	ngf.	Other ngf.	Flapjack devilfish	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	2.05	2.05	2.05	2.05
2013	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	11.81	11.81	11.81	11.81
2013	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Jack mackerel	0.00	0.04	0.04	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	13.69	13.69	13.69	13.69
2013	CS – BT	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	King crab, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	King of the salmon	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	1.61	1.61	1.61	1.61
2013	CS – BT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Market squid	0.12	0.00	0.00	0.12	0.12
2013	CS – BT	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.14	0.14	0.14	0.14
2013	CS – BT	ngf.	Other ngf.	Mixed species	4.07	0.00	0.00	4.07	4.07
2013	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.06	0.06	0.06	0.06
2013	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.11	0.11	0.11	0.11
2013	CS – BT	ngf.	Other ngf.	Octopus, unid.	1.35	6.45	6.45	7.80	7.80
2013	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	1.41	1.41	1.41	1.41
2013	CS – BT	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	PHLB	0.16	65.92	32.24	66.08	32.41
2013	CS – BT	ngf.	Other ngf.	Pacific herring	0.00	0.35	0.35	0.35	0.35
2013	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.00	0.09	0.09	0.09	0.09
2013	CS – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.10	0.10	0.10	0.10
2013	CS – BT	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	ngf.	Other ngf.	Pacific sardine	0.00	2.15	2.15	2.15	2.15
2013	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	20.87	20.87	20.87	20.87
2013	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.08	0.08	0.08	0.08
2013	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Pelagic thresher shark	0.00	1.93	1.93	1.93	1.93
2013	CS – BT	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.10	0.10	0.10	0.10
2013	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.04	0.04	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Prowfish	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.22	0.22	0.22	0.22
2013	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Ronquil, unid.	0.00	0.06	0.06	0.06	0.06
2013	CS – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.03	0.03	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Scallop, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.21	0.21	0.21	0.21
2013	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	1.12	1.12	1.12	1.12
2013	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.86	0.86	0.86	0.86
2013	CS – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Sea pansy	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.42	0.42	0.42	0.42
2013	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.18	0.18	0.18	0.18
2013	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	27.20	27.20	27.20	27.20
2013	CS – BT	ngf.	Other ngf.	Sea whip	0.00	0.08	0.08	0.08	0.08
2013	CS – BT	ngf.	Other ngf.	Shark, unid.	0.07	9.20	9.20	9.27	9.27
2013	CS – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.61	0.61	0.61	0.61
2013	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	ngf.	Other ngf.	Skate, unid.	115.73	2.38	2.38	118.10	118.10
2013	CS – BT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.25	0.25	0.25	0.25
2013	CS – BT	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	1.30	1.30	1.30	1.30
2013	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.07	0.07	0.07	0.07
2013	CS – BT	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Soft eelpout	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Specklefin midshipman	0.00	0.13	0.13	0.13	0.13
2013	CS – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.39	0.39	0.39	0.39
2013	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	4.32	4.32	4.32	4.32
2013	CS – BT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Other ngf.	Spotfin sculpin	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Spotfin surfperch	0.00	0.04	0.04	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Squid, unid.	1.09	1.09	1.09	2.18	2.18
2013	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.09	0.09	0.09	0.09
2013	CS – BT	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Other ngf.	Thornback	0.00	0.04	0.04	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.06	0.06	0.06	0.06
2013	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.50	0.50	0.50	0.50
2013	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.55	0.55	0.55	0.55
2013	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	4.58	4.58	4.58	4.58
2013	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	7.85	7.85	7.85	7.85
2013	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Walleye pollock	0.02	0.15	0.15	0.16	0.16
2013	CS – BT	ngf.	Other ngf.	White croaker	0.03	0.01	0.01	0.04	0.04
2013	CS – BT	ngf.	Other ngf.	White sea bass	0.19	0.00	0.00	0.19	0.19
2013	CS – BT	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Wolf-eel	0.03	0.00	0.00	0.03	0.03
2013	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.24	0.24	0.24	0.24
2013	CS – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – BT	ngf.	Shared ECS	Lightfish, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Shared ECS	Night smelt	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	11.16	11.16	11.16	11.16
2013	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Shared ECS	Smelt, unid.	0.08	0.01	0.01	0.10	0.10
2013	CS – BT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.00	0.00	0.00	0.00
2013	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.02	20.31	20.31	20.33	20.33
2013	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	149.15	149.15	149.15	149.15
2013	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	1.50	1.50	1.50	1.50
2013	CS – H&L	gf.	Big skate	Big skate	0.00	0.01	0.01	0.01	0.01
2013	CS – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.15	0.00	0.00	0.15	0.15
2013	CS – H&L	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2013	CS – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.12	0.03	0.03	0.15	0.15
2013	CS – H&L	gf.	Dover sole	Dover sole	0.09	0.02	0.02	0.11	0.11
2013	CS – H&L	gf.	ECS	Aleutian skate	0.00	0.01	0.01	0.01	0.01
2013	CS – H&L	gf.	ECS	Black skate	0.00	0.12	0.12	0.12	0.12
2013	CS – H&L	gf.	ECS	Giant grenadier	0.00	0.43	0.43	0.43	0.43
2013	CS – H&L	gf.	ECS	Grenadier, unid.	0.03	0.01	0.01	0.03	0.03
2013	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2013	CS – H&L	gf.	ECS	Pacific grenadier	0.00	0.35	0.35	0.35	0.35
2013	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2013	CS – H&L	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2013	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.26	0.02	0.00	0.28	0.26
2013	CS – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.01	0.00	0.04	0.02
2013	CS – H&L	gf.	Longnose skate	Longnose skate	0.01	3.17	1.58	3.18	1.59
2013	CS – H&L	gf.	LST (N of 34°27')	LST	0.01	0.06	0.06	0.07	0.07
2013	CS – H&L	gf.	LST (S of 34°27')	LST	0.12	0.17	0.17	0.29	0.29
2013	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.33	0.00	0.00	1.33	1.33

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.12	0.00	0.00	0.12	0.12
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.07	0.00	0.00	0.07	0.07
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.53	0.02	0.02	0.55	0.55
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.40	0.02	0.02	2.43	2.43
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.01	0.01	0.03	0.03
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.06	0.06	0.06	0.06
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.32	0.00	0.00	1.32	1.32
2013	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2013	CS – H&L	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Other flatfish	Sand sole	0.00	0.02	0.02	0.02	0.02
2013	CS – H&L	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2013	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.03	0.03	0.03	0.03
2013	CS – H&L	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	Petrale sole	Petrale sole	0.11	0.56	0.56	0.67	0.67
2013	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	50.18	2.64	0.53	52.83	50.71
2013	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	16.20	0.14	0.03	16.34	16.23
2013	CS – H&L	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	gf.	SST (N of 34°27')	SST	2.62	0.07	0.07	2.69	2.69
2013	CS – H&L	gf.	SST (S of 34°27')	SST	3.65	0.05	0.05	3.70	3.70
2013	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	22.08	11.04	22.08	11.04
2013	CS – H&L	gf.	Widow rf.	Widow rf.	0.02	0.00	0.00	0.02	0.02
2013	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	0.23	0.23	0.23	0.23
2013	CS – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.06	0.06	0.06	0.06
2013	CS – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.26	0.26	0.26	0.26
2013	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.08	0.08	0.08	0.08
2013	CS – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	PHLB	0.00	3.00	0.48	3.00	0.48
2013	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.17	0.17	0.17	0.17
2013	CS – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.36	0.36	0.36	0.36
2013	CS – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.03	0.00	0.00	0.03	0.03
2013	CS – H&L	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – H&L	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Canary rf.	Canary rf.	1.91	0.00	0.00	1.91	1.91
2013	CS – MWT	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2013	CS – MWT	gf.	Lingcod (N of 40°10')	Lingcod	0.62	0.00	0.00	0.62	0.62
2013	CS – MWT	gf.	Longnose skate	Longnose skate	0.14	0.00	0.00	0.14	0.14
2013	CS – MWT	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.06	0.00	0.00	0.06	0.06
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.04	0.00	0.00	0.05	0.05
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.00	0.00	0.02	0.02
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2013	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Other flatfish	Curlfin sole	0.01	0.00	0.00	0.01	0.01
2013	CS – MWT	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Pacific cod	Pacific cod	0.06	0.00	0.00	0.06	0.06
2013	CS – MWT	gf.	Pacific hake	Pacific hake	0.02	0.00	0.00	0.02	0.02
2013	CS – MWT	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – MWT	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.01	0.01	0.02	0.02
2013	CS – MWT	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	gf.	Widow rf.	Widow rf.	167.18	0.00	0.00	167.19	167.19
2013	CS – MWT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	234.60	0.00	0.00	234.60	234.60
2013	CS – MWT	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	ngf.	Other ngf.	American shad	0.18	0.00	0.00	0.18	0.18
2013	CS – MWT	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	ngf.	Other ngf.	Jack mackerel	0.67	0.00	0.00	0.67	0.67
2013	CS – MWT	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2013	CS – MWT	ngf.	Other ngf.	Northern anchovy	0.10	0.00	0.00	0.10	0.10
2013	CS – MWT	ngf.	Other ngf.	Opah	0.00	0.01	0.01	0.01	0.01
2013	CS – MWT	ngf.	Other ngf.	Pacific herring	0.01	0.00	0.00	0.01	0.01
2013	CS – MWT	ngf.	Other ngf.	Pacific sardine	0.08	0.00	0.00	0.08	0.08
2013	CS – MWT	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01
2013	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.46	0.49	0.49	0.95	0.95
2013	CS – Pot	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Dover sole	Dover sole	1.27	0.07	0.07	1.34	1.34
2013	CS – Pot	gf.	ECS	Abyssal grenadier	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	ECS	CAgrenadier	0.00	0.21	0.21	0.21	0.21
2013	CS – Pot	gf.	ECS	Giant grenadier	0.00	0.86	0.86	0.86	0.86
2013	CS – Pot	gf.	ECS	Grenadier, unid.	0.09	1.02	1.02	1.11	1.11
2013	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.04	0.04	0.04	0.04
2013	CS – Pot	gf.	ECS	Pacific grenadier	0.00	0.69	0.69	0.69	0.69
2013	CS – Pot	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.32	0.26	0.26	2.58	2.58
2013	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2013	CS – Pot	gf.	LST (N of 34°27')	LST	0.04	0.02	0.02	0.05	0.05
2013	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.13	0.00	0.00	0.13	0.13
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.42	0.02	0.02	0.44	0.44
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.14	0.00	0.00	0.14	0.14
2013	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.24	0.05	0.05	0.29	0.29
2013	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	15.03	0.14	0.14	15.16	15.16
2013	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Pacific hake	Pacific hake	0.00	0.04	0.04	0.04	0.04
2013	CS – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Petrale sole	Petrale sole	0.07	0.00	0.00	0.07	0.07
2013	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	385.52	6.64	1.33	392.16	386.85
2013	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	64.15	2.04	0.41	66.20	64.56
2013	CS – Pot	gf.	SST (N of 34°27')	SST	0.92	0.10	0.10	1.02	1.02
2013	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.65	0.65	0.65	0.65
2013	CS – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2013	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.35	0.35	0.35	0.35
2013	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06
2013	CS – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Blob sculpin	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.07	0.07	0.07	0.07
2013	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Cat shark, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – Pot	ngf.	Other ngf.	Giant wrymouth	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	0.36	0.36	0.36	0.36
2013	CS – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.06	0.06	0.06	0.06
2013	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.09	0.09	0.09	0.09
2013	CS – Pot	ngf.	Other ngf.	PHLB	0.00	0.98	0.21	0.98	0.21
2013	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.54	0.54	0.54	0.54
2013	CS – Pot	ngf.	Other ngf.	Pelagic thresher shark	0.00	1.22	1.22	1.22	1.22
2013	CS – Pot	ngf.	Other ngf.	Ragfish	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.12	0.12	0.12	0.12
2013	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.17	0.17	0.17	0.17
2013	CS – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.10	0.10	0.10	0.10
2013	CS – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.16	0.16	0.16	0.16
2013	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.03	0.03	0.03	0.03
2013	CS – Pot	ngf.	Other ngf.	Sixgill shark	0.00	0.03	0.03	0.03	0.03
2013	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – Pot	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2013	CS – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.02	0.02	0.02	0.02
2013	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	2.54	2.54	2.54	2.54

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2013	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	2.16	2.16	2.16	2.16
2013	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	3.40	3.40	3.40	3.40
2013	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.69	0.00	0.00	0.69	0.69
2013	Incidental	gf.	Black rf. (CA)	Black rf.	0.19	0.00	0.00	0.19	0.19
2013	Incidental	gf.	Black rf. (OR)	Black rf.	0.59	0.00	0.00	0.59	0.59
2013	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.09	0.00	0.00	0.09	0.09
2013	Incidental	gf.	Cabezon (CA)	Cabezon	0.04	0.00	0.00	0.04	0.04
2013	Incidental	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.89	0.00	0.00	0.89	0.89
2013	Incidental	gf.	Canary rf.	Canary rf.	0.13	0.00	0.00	0.13	0.13
2013	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2013	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.18	0.00	0.00	0.18	0.18
2013	Incidental	gf.	Dover sole	Dover sole	0.08	0.00	0.00	0.08	0.08
2013	Incidental	gf.	ECS	Soupfin shark	0.24	0.00	0.00	0.24	0.24
2013	Incidental	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	English sole	English sole	0.20	0.00	0.00	0.20	0.20
2013	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	3.26	0.00	0.00	3.26	3.26
2013	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	1.43	0.00	0.00	1.43	1.43
2013	Incidental	gf.	Longnose skate	Longnose skate	2.16	0.00	0.00	2.16	2.16
2013	Incidental	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	LST (S of 34°27')	LST	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2013	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.06	0.00	0.00	0.06	0.06
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.02	0.00	0.00	0.02	0.02
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.04	0.00	0.00	0.04	0.04
2013	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.62	0.00	0.00	1.62	1.62
2013	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.19	0.00	0.00	1.19	1.19
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.00	0.00	0.06	0.06
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.31	0.00	0.00	0.31	0.31
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2013	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	8.11	0.00	0.00	8.11	8.11
2013	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.11	0.00	0.00	0.11	0.11
2013	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	Incidental	gf.	Other flatfish	Flatfish, unid.	2.62	0.00	0.00	2.62	2.62
2013	Incidental	gf.	Other flatfish	Pacific sanddab	0.09	0.00	0.00	0.09	0.09
2013	Incidental	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Other flatfish	Rock sole	1.43	0.00	0.00	1.43	1.43
2013	Incidental	gf.	Other flatfish	Sand sole	3.34	0.00	0.00	3.34	3.34
2013	Incidental	gf.	Other flatfish	Sanddab, unid.	0.62	0.00	0.00	0.62	0.62
2013	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Other gf.	Leopard shark	0.22	0.00	0.00	0.22	0.22
2013	Incidental	gf.	Other rf.	Rockfish, unid.	0.07	0.00	0.00	0.07	0.07
2013	Incidental	gf.	Pacific cod	Pacific cod	0.04	0.00	0.00	0.04	0.04
2013	Incidental	gf.	Pacific hake	Pacific hake	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	Incidental	gf.	Petrale sole	Petrale sole	0.50	0.00	0.00	0.50	0.50
2013	Incidental	gf.	Sablefish (N of 36°)	Sablefish	16.43	0.00	0.00	16.43	16.43
2013	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.85	0.00	0.00	0.85	0.85
2013	Incidental	gf.	SST (N of 34°27')	SST	0.09	0.00	0.00	0.09	0.09
2013	Incidental	gf.	SST (S of 34°27')	SST	0.16	0.00	0.00	0.16	0.16
2013	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.47	0.00	0.00	0.47	0.47

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2013	Incidental	gf.	Starry flounder	Starry flounder	1.03	0.00	0.00	1.03	1.03
2013	Incidental	gf.	Widow rf.	Widow rf.	0.46	0.00	0.00	0.46	0.46
2013	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2013	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.51	0.00	0.00	1.51	1.51
2013	Incidental	ngf.	CA halibut	CAhalibut	85.59	0.00	0.00	85.59	85.59
2013	Incidental	ngf.	Dungeness crab	Dungeness crab	33535.08	0.00	0.00	33535.08	33535.08
2013	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	3.15	0.00	0.00	3.15	3.15
2013	Incidental	ngf.	Non-FMP flatfish	Longfin sanddab	0.01	0.00	0.00	0.01	0.01
2013	Incidental	ngf.	Other ngf.	Albacore tuna	12781.49	0.00	0.00	12781.49	12781.49
2013	Incidental	ngf.	Other ngf.	American shad	7.92	0.00	0.00	7.92	7.92
2013	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	186.78	0.00	0.00	186.78	186.78
2013	Incidental	ngf.	Other ngf.	Basket cockle	75.96	0.00	0.00	75.96	75.96
2013	Incidental	ngf.	Other ngf.	Bass, unid.	0.07	0.00	0.00	0.07	0.07
2013	Incidental	ngf.	Other ngf.	Bat ray	2.82	0.00	0.00	2.82	2.82
2013	Incidental	ngf.	Other ngf.	Bigeye thresher shark	0.55	0.00	0.00	0.55	0.55
2013	Incidental	ngf.	Other ngf.	Bigeye tuna	7.53	0.00	0.00	7.53	7.53
2013	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.76	0.00	0.00	0.76	0.76
2013	Incidental	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2013	Incidental	ngf.	Other ngf.	Bluefin tuna	10.07	0.00	0.00	10.07	10.07
2013	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	28.47	0.00	0.00	28.47	28.47
2013	Incidental	ngf.	Other ngf.	Butter clam	4.52	0.00	0.00	4.52	4.52
2013	Incidental	ngf.	Other ngf.	CAbarracuda	7.84	0.00	0.00	7.84	7.84
2013	Incidental	ngf.	Other ngf.	CAmussel	0.03	0.00	0.00	0.03	0.03
2013	Incidental	ngf.	Other ngf.	CAsheephead	0.31	0.00	0.00	0.31	0.31
2013	Incidental	ngf.	Other ngf.	CAspiny lobster	338.92	0.00	0.00	338.92	338.92
2013	Incidental	ngf.	Other ngf.	Common thresher shark	70.82	0.00	0.00	70.82	70.82
2013	Incidental	ngf.	Other ngf.	Crab, unid.	29.80	0.00	0.00	29.80	29.80
2013	Incidental	ngf.	Other ngf.	Dorado	0.50	0.00	0.00	0.50	0.50
2013	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.04	0.00	0.00	0.04	0.04
2013	Incidental	ngf.	Other ngf.	Eel, unid.	1.89	0.00	0.00	1.89	1.89
2013	Incidental	ngf.	Other ngf.	Gaper clam	41.55	0.00	0.00	41.55	41.55
2013	Incidental	ngf.	Other ngf.	Ghost shrimp	21.69	0.00	0.00	21.69	21.69
2013	Incidental	ngf.	Other ngf.	Giant sea bass	0.91	0.00	0.00	0.91	0.91
2013	Incidental	ngf.	Other ngf.	Hagfish, unid.	2954.18	0.00	0.00	2954.18	2954.18
2013	Incidental	ngf.	Other ngf.	Jack mackerel	974.10	0.00	0.00	974.10	974.10
2013	Incidental	ngf.	Other ngf.	King crab, unid.	0.41	0.00	0.00	0.41	0.41
2013	Incidental	ngf.	Other ngf.	Mackerel, unid.	11.24	0.00	0.00	11.24	11.24
2013	Incidental	ngf.	Other ngf.	Market squid	104412.07	0.00	0.00	104412.07	104412.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Incidental	ngf.	Other ngf.	Mixed species	39.85	0.00	0.00	39.85	39.85
2013	Incidental	ngf.	Other ngf.	Mollusc, unid.	41.10	0.00	0.00	41.10	41.10
2013	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.20	0.00	0.00	0.20	0.20
2013	Incidental	ngf.	Other ngf.	Mud shrimp	0.51	0.00	0.00	0.51	0.51
2013	Incidental	ngf.	Other ngf.	Northern anchovy	6123.69	0.00	0.00	6123.69	6123.69
2013	Incidental	ngf.	Other ngf.	Octopus, unid.	3.77	0.00	0.00	3.77	3.77
2013	Incidental	ngf.	Other ngf.	Pacific angel shark	10.24	0.00	0.00	10.24	10.24
2013	Incidental	ngf.	Other ngf.	Pacific bonito	18.60	0.00	0.00	18.60	18.60
2013	Incidental	ngf.	Other ngf.	Pacific herring	2123.03	0.00	0.00	2123.03	2123.03
2013	Incidental	ngf.	Other ngf.	Pacific mackerel	8688.38	0.00	0.00	8688.38	8688.38
2013	Incidental	ngf.	Other ngf.	Pacific sardine	63236.83	0.00	0.00	63236.83	63236.83
2013	Incidental	ngf.	Other ngf.	Pelagic thresher shark	5.92	0.00	0.00	5.92	5.92
2013	Incidental	ngf.	Other ngf.	Pink shrimp	116.31	0.00	0.00	116.31	116.31
2013	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.17	0.00	0.00	0.17	0.17
2013	Incidental	ngf.	Other ngf.	Razor clam	137.35	0.00	0.00	137.35	137.35
2013	Incidental	ngf.	Other ngf.	Red rock crab	829.98	0.00	0.00	829.98	829.98
2013	Incidental	ngf.	Other ngf.	Red urchin	6453.42	0.00	0.00	6453.42	6453.42
2013	Incidental	ngf.	Other ngf.	Ridgeback prawn	1.25	0.00	0.00	1.25	1.25
2013	Incidental	ngf.	Other ngf.	Sculpin, unid.	1.73	0.00	0.00	1.73	1.73
2013	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	109.00	0.00	0.00	109.00	109.00
2013	Incidental	ngf.	Other ngf.	Shark, unid.	0.79	0.00	0.00	0.79	0.79
2013	Incidental	ngf.	Other ngf.	Shrimp, unid.	56.65	0.00	0.00	56.65	56.65
2013	Incidental	ngf.	Other ngf.	Skate, unid.	2.94	0.00	0.00	2.94	2.94
2013	Incidental	ngf.	Other ngf.	Skipjack tuna	0.82	0.00	0.00	0.82	0.82
2013	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.01	0.00	0.00	0.01	0.01
2013	Incidental	ngf.	Other ngf.	Spot prawn	186.34	0.00	0.00	186.34	186.34
2013	Incidental	ngf.	Other ngf.	Surfperch, unid.	11.31	0.00	0.00	11.31	11.31
2013	Incidental	ngf.	Other ngf.	Swordfish	195.58	0.00	0.00	195.58	195.58
2013	Incidental	ngf.	Other ngf.	Urchin, unid.	15.10	0.00	0.00	15.10	15.10
2013	Incidental	ngf.	Other ngf.	White croaker	1.46	0.00	0.00	1.46	1.46
2013	Incidental	ngf.	Other ngf.	White sea bass	121.55	0.00	0.00	121.55	121.55
2013	Incidental	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2013	Incidental	ngf.	Other ngf.	Yellowfin tuna	2.02	0.00	0.00	2.02	2.02
2013	Incidental	ngf.	Other ngf.	Yellowtail amberjack	9.73	0.00	0.00	9.73	9.73
2013	Incidental	ngf.	Shared ECS	Smelt, unid.	175.09	0.00	0.00	175.09	175.09
2013	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.14	0.31	0.31	0.46	0.46
2013	LE FG DTL – H&L	gf.	Big skate	Big skate	0.02	5.06	5.06	5.08	5.08
2013	LE FG DTL – H&L	gf.	Black rf. (OR)	Black rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.13	0.00	0.00	1.13	1.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE FG DTL – H&L	gf.	Cabezon (OR)	Cabezon	0.03	0.00	0.00	0.03	0.03
2013	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.21	0.09	0.09	0.30	0.30
2013	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.72	0.00	0.00	0.72	0.72
2013	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.78	3.03	3.03	3.81	3.81
2013	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	4.04	4.04	4.04	4.04
2013	LE FG DTL – H&L	gf.	ECS	CAgrenadier	0.00	0.20	0.20	0.20	0.20
2013	LE FG DTL – H&L	gf.	ECS	CAskate	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	0.19	0.19	0.19	0.19
2013	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	8.67	8.67	8.67	8.67
2013	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	30.25	6.33	6.33	36.58	36.58
2013	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	4.46	4.46	4.46	4.46
2013	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	131.51	131.51	131.51	131.51
2013	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.05	0.05	0.05	0.05
2013	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.26	0.26	0.26	0.26
2013	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.83	0.00	0.00	0.83	0.83
2013	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.16	0.00	0.00	0.16	0.16
2013	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	7.34	20.20	10.10	27.55	17.44
2013	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	2.08	4.35	4.35	6.43	6.43
2013	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	14.41	2.29	2.29	16.70	16.70
2013	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.11	0.00	0.00	0.11	0.11
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.04	0.00	0.00	0.04	0.04
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.16	0.00	0.00	0.16	0.16
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.05	0.00	0.00	0.05	0.05
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.22	0.00	0.00	0.22	0.22
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.32	0.00	0.00	1.32	1.32
2013	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.07	0.00	0.00	0.07	0.07
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.83	0.00	0.00	1.83	1.83
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	4.03	0.00	0.00	4.03	4.03
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.09	0.01	0.01	0.10	0.10
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.30	0.00	0.00	0.30	0.30
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	10.82	0.19	0.19	11.01	11.01
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.21	0.00	0.00	0.21	0.21
2013	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2013	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.05	0.00	0.00	0.05	0.05
2013	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	1.80	0.00	0.00	1.80	1.80
2013	LE FG DTL – H&L	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.15	0.00	0.00	0.15	0.15
2013	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.02	0.17	0.17	0.19	0.19
2013	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2013	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.20	0.00	0.00	0.20	0.20
2013	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	159.36	11.55	2.31	170.90	161.67
2013	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	425.49	30.03	6.01	455.52	431.49
2013	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	36.80	0.87	0.87	37.67	37.67
2013	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	87.49	10.62	10.62	98.11	98.11
2013	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	23.71	39.74	19.87	63.45	43.58
2013	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.14	0.00	0.00	0.14	0.14
2013	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.06	0.00	0.00	0.06	0.06
2013	LE FG DTL – H&L	ngf.	CA halibut	CAhalibut	0.04	0.00	0.00	0.04	0.04
2013	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE FG DTL – H&L	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.26	0.26	0.26	0.26
2013	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.20	0.20	0.20	0.20
2013	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.01	1.01	1.01	1.02	1.02
2013	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.03	0.00	0.00	0.03	0.03
2013	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.18	0.00	0.00	0.18	0.18
2013	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	7.14	7.14	7.14	7.14
2013	LE FG DTL – H&L	ngf.	Other ngf.	CAking crab	0.00	0.02	0.02	0.02	0.02
2013	LE FG DTL – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.36	0.36	0.36	0.36
2013	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.23	0.00	0.00	0.23	0.23
2013	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Dorado	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	1.03	1.03	1.03	1.03
2013	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.23	0.23	0.23	0.23
2013	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.26	0.26	0.26	0.26
2013	LE FG DTL – H&L	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	1.29	1.29	1.29	1.29
2013	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.24	0.02	0.02	0.26	0.26
2013	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.25	0.00	0.00	0.25	0.25
2013	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.10	0.00	0.00	0.10	0.10
2013	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.61	0.61	0.61	0.61
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.23	0.00	0.00	0.23	0.23
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.03	1.57	1.57	1.60	1.60
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	23.57	23.57	23.57	23.57
2013	LE FG DTL – H&L	ngf.	Other ngf.	Pacific tomcod	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.76	0.76	0.76	0.76
2013	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.29	0.29	0.29	0.29
2013	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.07	0.07	0.07	0.07
2013	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.15	22.69	22.69	22.84	22.84
2013	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	1.12	0.10	0.10	1.22	1.22
2013	LE FG DTL – H&L	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2013	LE FG DTL – H&L	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE FG DTL – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – H&L	ngf.	Other ngf.	Spiky king crab	0.00	0.09	0.09	0.09	0.09
2013	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	8.09	8.09	8.09	8.09
2013	LE FG DTL – H&L	ngf.	Other ngf.	Squid, unid.	0.11	0.04	0.04	0.14	0.14
2013	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.22	0.00	0.00	0.22	0.22
2013	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.19	0.19	0.19	0.19
2013	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.13	0.13	0.14	0.14
2013	LE FG DTL – Pot	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.02	0.01	0.01	0.04	0.04
2013	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.02	0.02	0.02	0.02
2013	LE FG DTL – Pot	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.12	0.00	0.00	0.12	0.12
2013	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	10.31	1.47	0.29	11.78	10.60
2013	LE FG DTL – Pot	gf.	Sablefish (S of 36°)	Sablefish	4.94	0.00	0.00	4.94	4.94
2013	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2013	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2013	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.02	0.00	0.00	0.02	0.02
2013	LE FG DTL – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Barred sand bass	0.00	0.03	0.03	0.03	0.03
2013	LE FG DTL – Pot	ngf.	Other ngf.	Black surfperch	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE FG DTL – Pot	ngf.	Other ngf.	CAsheephead	0.00	0.13	0.13	0.13	0.13
2013	LE FG DTL – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Garibaldi	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.08	0.00	0.00	0.09	0.09
2013	LE FG DTL – Pot	ngf.	Other ngf.	Halfmoon	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2013	LE FG DTL – Pot	ngf.	Other ngf.	Kelp bass	0.00	0.06	0.06	0.06	0.06
2013	LE FG DTL – Pot	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.01	0.00	0.01	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.01	0.01	0.01	0.01
2013	LE FG DTL – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.28	0.28	0.28	0.28
2013	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	2.83	23.01	23.01	25.83	25.83
2013	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	0.07	0.07	0.07	0.07
2013	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.05	0.00	0.00	0.05	0.05
2013	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.86	0.08	0.08	0.94	0.94
2013	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.48	0.58	0.58	3.07	3.07
2013	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.30	0.74	0.74	2.04	2.04
2013	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.18	0.18	0.18	0.18
2013	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.92	0.92	0.92	0.92
2013	LE Sablefish – H&L	gf.	ECS	CAgrenadier	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	7.13	7.13	7.13	7.13
2013	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	6.96	0.00	0.00	6.96	6.96
2013	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.33	0.33	0.33	0.33
2013	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	27.53	27.53	27.53	27.53
2013	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.41	0.41	0.41	0.41
2013	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.51	2.51	2.51	2.51
2013	LE Sablefish – H&L	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	4.92	0.45	0.03	5.37	4.95
2013	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.15	0.00	0.00	0.15	0.15
2013	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	20.11	27.12	13.56	47.22	33.66
2013	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	1.26	0.36	0.36	1.61	1.61

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.06	0.00	0.00	0.06	0.06
2013	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.06	0.00	0.00	0.06	0.06
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.03	0.03	0.03	0.03
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.20	0.10	0.10	0.31	0.31
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.46	0.46	0.49	0.49
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.02	0.02	0.02	0.02
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.35	0.00	0.00	0.35	0.35
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.35	0.02	0.02	0.36	0.36
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.27	0.00	0.00	0.27	0.27
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.70	1.42	1.42	2.13	2.13
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	8.50	3.72	3.72	12.22	12.22
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	32.92	12.29	12.29	45.22	45.22
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.80	1.02	1.02	2.81	2.81
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	5.52	5.52	5.52	5.52
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.49	0.00	0.00	2.49	2.49
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.01	0.01	0.05	0.05
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.48	0.00	0.00	0.48	0.48
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.08	0.11	0.11	2.19	2.19
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.69	0.01	0.01	0.69	0.69
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	2.36	0.00	0.00	2.36	2.36
2013	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – H&L	gf.	Other flatfish	Rex sole	0.15	0.00	0.00	0.15	0.15
2013	LE Sablefish – H&L	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.34	0.09	0.09	1.43	1.43
2013	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.05	0.05	0.05	0.05
2013	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.19	0.03	0.03	0.22	0.22
2013	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.13	1.00	1.00	1.13	1.13

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	718.14	153.92	30.78	872.06	748.92
2013	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	29.82	0.00	0.00	29.82	29.82
2013	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	16.09	3.39	3.39	19.48	19.48
2013	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	1.67	0.00	0.00	1.67	1.67
2013	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	21.15	127.55	63.78	148.70	84.93
2013	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.05	0.00	0.00	0.05	0.05
2013	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.27	0.27	0.27	0.27
2013	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.22	0.03	0.03	0.25	0.25
2013	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.17	0.17	0.17	0.17
2013	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	9.15	9.15	9.15	9.15
2013	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.80	1.80	1.80	1.80
2013	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.08	0.08	0.08	0.08
2013	LE Sablefish – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.02	0.02	0.02	0.02
2013	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.10	0.10	0.10	0.10
2013	LE Sablefish – H&L	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.04	0.04	0.04	0.04
2013	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.60	0.60	0.60	0.60
2013	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2013	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	8.72	22.23	2.94	30.95	11.66
2013	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	15.41	15.41	15.41	15.41
2013	LE Sablefish – H&L	ngf.	Other ngf.	Pacific tomcod	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.81	0.81	0.81	0.81
2013	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	0.56	0.56	0.56	0.56
2013	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	5.68	0.00	0.00	5.68	5.68
2013	LE Sablefish – H&L	ngf.	Other ngf.	Skilfish	0.00	0.05	0.05	0.05	0.05
2013	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Other ngf.	Swordfish	0.03	0.00	0.00	0.03	0.03
2013	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.07	0.07	0.07	0.07
2013	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.14	0.15	0.15	0.29	0.29
2013	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.01	0.01	0.04	0.04
2013	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.14	0.34	0.34	0.49	0.49
2013	LE Sablefish – Pot	gf.	ECS	CAgrenadier	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.27	0.42	0.42	1.69	1.69
2013	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.08	0.08	0.17	0.17
2013	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.02	0.02	0.02	0.02
2013	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.21	0.21	0.21	0.21
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.05	0.05	0.11	0.11
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.64	0.00	0.00	0.64	0.64
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.49	0.05	0.05	0.55	0.55
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2013	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	283.13	129.69	25.94	412.82	309.07
2013	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.05	0.00	0.00	0.05	0.05
2013	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.11	0.11	0.11	0.11
2013	LE Sablefish – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.02	0.00	0.00	0.02	0.02
2013	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	1.45	0.00	0.00	1.45	1.45
2013	LE Sablefish – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2013	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.20	0.20	0.20	0.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.10	0.00	0.00	0.10	0.10
2013	LE Sablefish – Pot	ngf.	Other ngf.	Skilfish	0.00	0.13	0.13	0.13	0.13
2013	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2013	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2013	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2013	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	gf.	Big skate	Big skate	0.04	0.18	0.01	0.22	0.05
2013	Nearshore	gf.	Black rf. (CA)	Black rf.	34.92	2.00	0.90	36.92	35.82
2013	Nearshore	gf.	Black rf. (OR)	Black rf.	105.82	2.62	0.67	108.44	106.49
2013	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.04	0.00	0.00	1.04	1.04
2013	Nearshore	gf.	Cabezon (CA)	Cabezon	28.98	2.67	0.19	31.65	29.17
2013	Nearshore	gf.	Cabezon (OR)	Cabezon	19.77	0.84	0.06	20.60	19.82
2013	Nearshore	gf.	CA scorpionfish (N of 34°27')	CAscorpionfish	0.02	0.00	0.00	0.02	0.02
2013	Nearshore	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	1.72	0.02	0.00	1.74	1.72
2013	Nearshore	gf.	Canary rf.	Canary rf.	0.00	13.62	9.00	13.62	9.00
2013	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.12	0.00	0.00	0.12	0.12
2013	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	gf.	ECS	CAskate	0.00	0.36	0.03	0.36	0.03
2013	Nearshore	gf.	ECS	Grenadier, unid.	0.09	0.00	0.00	0.09	0.09
2013	Nearshore	gf.	ECS	Soupfin shark	0.78	0.00	0.00	0.78	0.78
2013	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	46.14	66.22	4.64	112.37	50.78
2013	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	25.03	18.08	1.27	43.11	26.29
2013	Nearshore	gf.	Longnose skate	Longnose skate	0.13	0.00	0.00	0.13	0.13
2013	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	LST (S of 34°27')	LST	0.11	0.00	0.00	0.11	0.11
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	7.84	4.70	1.65	12.54	9.48
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.07	0.00	0.00	0.07	0.07
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	7.18	0.26	0.08	7.44	7.26
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.50	0.00	0.00	1.50	1.50
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.05	0.00	0.00	0.05	0.05
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.26	0.00	0.00	0.26	0.26
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.01	0.03	0.01	0.03	0.02
2013	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.58	0.08	0.03	2.66	2.61
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	12.52	0.13	0.07	12.65	12.59
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	3.55	0.63	0.37	4.18	3.93
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	28.03	2.17	1.29	30.19	29.31
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.03	0.02	0.03	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.19	1.28	0.86	2.47	2.04
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	6.18	0.20	0.12	6.38	6.30
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	20.56	4.25	2.77	24.82	23.34
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	12.43	0.04	0.03	12.47	12.46
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	1.18	0.32	0.17	1.50	1.36
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	1.32	0.35	0.26	1.67	1.58
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.18	0.00	0.00	0.18	0.18
2013	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	1.22	0.56	0.33	1.79	1.55
2013	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.03	0.03	0.03	0.03
2013	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.15	0.15	0.16	0.16
2013	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.62	0.01	0.01	0.64	0.63
2013	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.77	0.15	0.05	3.91	3.82
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.05	0.00	0.00	0.05	0.05
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.11	0.00	0.00	0.11	0.11
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.17	0.17	0.17	0.17
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.08	0.08	0.08	0.16	0.16
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.69	0.00	0.00	1.69	1.69
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.10	0.00	0.00	0.10	0.10
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.15	0.15	0.15	0.15
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.13	0.01	0.01	0.14	0.14
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	10.77	0.04	0.03	10.81	10.80
2013	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.70	0.04	0.03	0.74	0.72
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.14	0.00	0.00	0.14	0.14
2013	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.03	0.00	0.00	1.03	1.03
2013	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.01	0.00	0.01	0.00
2013	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Nearshore	gf.	Other flatfish	Pacific sanddab	2.12	0.03	0.00	2.15	2.12
2013	Nearshore	gf.	Other flatfish	Rex sole	0.07	0.00	0.00	0.07	0.07
2013	Nearshore	gf.	Other flatfish	Rock sole	0.36	0.00	0.00	0.36	0.36
2013	Nearshore	gf.	Other flatfish	Sand sole	0.04	0.00	0.00	0.04	0.04
2013	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2013	Nearshore	gf.	Other gf.	Kelp greenling (CA)	5.47	1.97	0.14	7.44	5.61
2013	Nearshore	gf.	Other gf.	Kelp greenling (OR)	21.87	2.39	0.17	24.26	22.04
2013	Nearshore	gf.	Other gf.	Leopard shark	0.45	0.05	0.00	0.50	0.45
2013	Nearshore	gf.	Other rf.	Rockfish, unid.	0.08	0.00	0.00	0.08	0.08
2013	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	0.64	0.00	0.00	0.64	0.64
2013	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	5.32	0.00	0.00	5.32	5.32
2013	Nearshore	gf.	SST (N of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2013	Nearshore	gf.	SST (S of 34°27')	SST	0.82	0.00	0.00	0.82	0.82
2013	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.06	2.37	0.17	2.43	0.22
2013	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	gf.	Starry flounder	Starry flounder	0.09	0.00	0.00	0.09	0.09
2013	Nearshore	gf.	Widow rf.	Widow rf.	0.11	0.03	0.01	0.13	0.12
2013	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	4.66	2.24	4.67	2.24
2013	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.09	0.65	0.15	1.74	1.24
2013	Nearshore	ngf.	CA halibut	CAhalibut	0.72	0.00	0.00	0.72	0.72
2013	Nearshore	ngf.	Dungeness crab	Dungeness crab	6.07	0.17	0.17	6.24	6.24
2013	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.05	0.05	0.05	0.05
2013	Nearshore	ngf.	Other ngf.	Barnacle, unid.	0.00	0.01	0.01	0.01	0.01
2013	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	3.24	3.24	3.24	3.24
2013	Nearshore	ngf.	Other ngf.	Bat ray	0.02	0.13	0.13	0.15	0.15
2013	Nearshore	ngf.	Other ngf.	Bigeye thresher shark	0.03	0.00	0.00	0.03	0.03
2013	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	6.25	6.25	6.25	6.25
2013	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.12	0.12	0.12	0.12
2013	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2013	Nearshore	ngf.	Other ngf.	Brown box crab	0.00	0.05	0.05	0.05	0.05
2013	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.18	0.18	0.18	0.18
2013	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2013	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.91	0.91	0.91	0.91
2013	Nearshore	ngf.	Other ngf.	CAbarracuda	0.13	0.00	0.00	0.13	0.13
2013	Nearshore	ngf.	Other ngf.	CAsheephead	27.83	53.69	53.69	81.52	81.52
2013	Nearshore	ngf.	Other ngf.	CAspiny lobster	7.42	0.00	0.00	7.42	7.42
2013	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.08	0.08	0.08	0.08
2013	Nearshore	ngf.	Other ngf.	Common thresher shark	0.08	0.00	0.00	0.08	0.08
2013	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Nearshore	ngf.	Other ngf.	Crab, unid.	1.53	0.00	0.00	1.53	1.53
2013	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Eel, unid.	0.12	0.00	0.00	0.12	0.12
2013	Nearshore	ngf.	Other ngf.	Fish, unid.	0.00	0.20	0.20	0.20	0.20
2013	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	1.02	1.02	1.02	1.02
2013	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.04	0.04	0.04	0.04
2013	Nearshore	ngf.	Other ngf.	Heart crab	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	18.76	18.76	18.76	18.76
2013	Nearshore	ngf.	Other ngf.	King crab, unid.	0.14	0.00	0.00	0.14	0.14
2013	Nearshore	ngf.	Other ngf.	Market squid	0.10	0.00	0.00	0.10	0.10
2013	Nearshore	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Mixed species	1.17	0.00	0.00	1.17	1.17
2013	Nearshore	ngf.	Other ngf.	Mollusc, unid.	0.86	0.00	0.00	0.86	0.86
2013	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.03	0.05	0.05	0.08	0.08
2013	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.02	0.02	0.02	0.02
2013	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.47	0.47	0.47	0.47
2013	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.21	0.38	0.38	0.58	0.58
2013	Nearshore	ngf.	Other ngf.	PHLB	0.00	1.36	1.36	1.36	1.36
2013	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.57	0.57	0.57	0.57
2013	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.06	0.06	0.06	0.06
2013	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.35	0.35	0.35	0.35
2013	Nearshore	ngf.	Other ngf.	Red rock crab	63.40	0.15	0.15	63.54	63.54
2013	Nearshore	ngf.	Other ngf.	Rock greenling	0.04	0.00	0.00	0.04	0.04
2013	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.05	0.05	0.05	0.05
2013	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.08	0.08	0.08	0.08
2013	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.03	0.86	0.86	0.90	0.90
2013	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.01	0.28	0.28	0.30	0.30
2013	Nearshore	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	11.50	11.50	11.50	11.50
2013	Nearshore	ngf.	Other ngf.	Shark, unid.	0.48	0.90	0.90	1.37	1.37
2013	Nearshore	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2013	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2013	Nearshore	ngf.	Other ngf.	Spot prawn	2.41	0.00	0.00	2.41	2.41
2013	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.20	0.20	0.20	0.20
2013	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.33	0.02	0.02	0.34	0.34
2013	Nearshore	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Nearshore	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2013	Nearshore	ngf.	Other ngf.	Wolf-eel	0.05	0.25	0.25	0.30	0.30
2013	Nearshore	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01
2013	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2013	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2013	OA CA Halibut	gf.	Big skate	Big skate	0.00	42.77	21.39	42.77	21.39
2013	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2013	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.03	0.00	0.00	0.03	0.03
2013	OA CA Halibut	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	ECS	CAskate	0.00	5.53	5.53	5.53	5.53
2013	OA CA Halibut	gf.	ECS	Soupfin shark	0.09	0.00	0.00	0.09	0.09
2013	OA CA Halibut	gf.	English sole	English sole	0.16	0.42	0.42	0.59	0.59
2013	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.02	0.01	0.01	0.04	0.03
2013	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.43	0.21	0.43	0.21
2013	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.03	0.03	0.03	0.03
2013	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2013	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Other flatfish	Butter sole	0.04	0.00	0.00	0.04	0.04
2013	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.01	1.13	1.13	1.14	1.14
2013	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.52	0.00	0.00	0.52	0.52
2013	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.07	1.07	1.07	1.13	1.13
2013	OA CA Halibut	gf.	Other flatfish	Rock sole	0.13	0.01	0.01	0.14	0.14
2013	OA CA Halibut	gf.	Other flatfish	Sand sole	7.79	0.45	0.45	8.24	8.24
2013	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.08	0.00	0.00	0.08	0.08
2013	OA CA Halibut	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Other gf.	Leopard shark	0.29	1.28	1.28	1.57	1.57
2013	OA CA Halibut	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.41	0.00	0.00	0.41	0.41
2013	OA CA Halibut	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	5.85	5.85	5.85	5.85
2013	OA CA Halibut	gf.	Starry flounder	Starry flounder	2.66	0.77	0.77	3.43	3.43

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA CA Halibut	ngf.	CA halibut	CAhalibut	69.23	0.83	0.83	70.06	70.06
2013	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	182.97	182.97	182.97	182.97
2013	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.03	0.00	0.00	0.03	0.03
2013	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.31	0.01	0.01	0.33	0.33
2013	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.02	0.02	0.02	0.02
2013	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	13.32	13.32	13.32	13.32
2013	OA CA Halibut	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.55	1.55	1.55	1.55
2013	OA CA Halibut	ngf.	Other ngf.	Buffalo sculpin	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.11	0.00	0.00	0.11	0.11
2013	OA CA Halibut	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.92	0.92	0.92	0.92
2013	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	64.10	64.10	64.10	64.10
2013	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.02	0.02	0.02	0.02
2013	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.29	0.29	0.29	0.29
2013	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2013	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.26	0.00	0.00	0.26	0.26
2013	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.05	0.05	0.05	0.05
2013	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.39	0.39	0.39	0.39
2013	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.17	0.17	0.17	0.17
2013	OA CA Halibut	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2013	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.01	0.01	0.01	0.01
2013	OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.69	0.69	0.69	0.69
2013	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.04	0.00	0.00	0.04	0.04
2013	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.19	0.19	0.19	0.19
2013	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.17	0.17	0.17	0.17
2013	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	1.60	0.00	0.00	1.60	1.60
2013	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.05	0.05	0.05	0.05
2013	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	2.65	2.65	2.65	2.65
2013	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.05	0.00	0.00	0.05	0.05
2013	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.05	0.00	0.00	0.05	0.05
2013	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.39	0.00	0.00	0.39	0.39
2013	OA CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.02	0.02	0.02	0.02
2013	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.02	0.02	0.02	0.02
2013	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.16	0.16	0.16	0.16
2013	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	1.26	1.26	1.26	1.26
2013	OA CA Halibut	ngf.	Other ngf.	White croaker	0.01	0.30	0.30	0.31	0.31
2013	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.45	0.00	0.00	0.45	0.45
2013	OA CA Halibut	ngf.	Shared ECS	Night smelt	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.03	0.03	0.03	0.03
2013	OA CA Halibut	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2013	OA CA Halibut	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.10	0.12	0.12	0.21	0.21
2013	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.04	0.00	0.00	0.04	0.04
2013	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.20	0.00	0.00	0.20	0.20
2013	OA FG – H&L	gf.	Black rf. (WA)	Black rf.	0.05	0.00	0.00	0.05	0.05
2013	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.02	0.03	0.03	2.05	2.05
2013	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.10	0.00	0.00	0.10	0.10
2013	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.06	0.00	0.00	0.06	0.06
2013	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.65	0.00	0.00	0.65	0.65
2013	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.15	0.00	0.00	0.15	0.15
2013	OA FG – H&L	gf.	Dover sole	Dover sole	0.21	0.26	0.26	0.47	0.47
2013	OA FG – H&L	gf.	ECS	Black skate	0.00	8.11	8.11	8.11	8.11
2013	OA FG – H&L	gf.	ECS	CAgrenadier	0.00	4.99	4.99	4.99	4.99
2013	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	9.28	9.28	9.28	9.28
2013	OA FG – H&L	gf.	ECS	Grenadier, unid.	2.26	0.00	0.00	2.26	2.26
2013	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	1.55	1.55	1.55	1.55
2013	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	12.21	12.21	12.21	12.21
2013	OA FG – H&L	gf.	ECS	Soupfin shark	0.07	0.00	0.00	0.07	0.07
2013	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.20	0.20	0.20	0.20
2013	OA FG – H&L	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	15.66	0.00	0.00	15.66	15.66
2013	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	10.21	0.00	0.00	10.21	10.21
2013	OA FG – H&L	gf.	Longnose skate	Longnose skate	4.06	3.05	1.53	7.11	5.59
2013	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.52	0.52	0.52	0.52
2013	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.90	0.43	0.43	1.33	1.33
2013	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.16	0.00	0.00	0.16	0.16
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.06	0.00	0.00	0.06	0.06
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.14	0.14	0.16	0.16
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.07	0.00	0.00	0.07	0.07
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.19	0.38	0.38	0.57	0.57
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.05	0.00	0.00	0.05	0.05
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	1.30	0.11	0.11	1.42	1.42
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.04	0.00	0.00	0.04	0.04
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.11	0.00	0.00	0.11	0.11
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.12	0.05	0.05	0.17	0.17
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.01	0.01	0.02	0.02
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.36	0.17	0.17	0.54	0.54
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	9.42	2.06	2.06	11.48	11.48
2013	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	2.21	0.00	0.00	2.21	2.21
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.03	0.03	0.03	0.03
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.01	0.01	0.03	0.03
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.36	0.03	0.03	0.39	0.39
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.72	0.00	0.00	0.72	0.72

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.02	0.02	0.05	0.05
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.04	0.00	0.00	0.04	0.04
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.04	0.00	0.00	0.04	0.04
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.27	0.31	0.31	3.58	3.58
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.07	0.00	0.00	0.07	0.07
2013	OA FG – H&L	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.20	0.00	0.00	0.20	0.20
2013	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.89	0.02	0.02	0.92	0.92
2013	OA FG – H&L	gf.	Other flatfish	Rock sole	0.13	0.00	0.00	0.13	0.13
2013	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	2.34	0.00	0.00	2.34	2.34
2013	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	gf.	Other gf.	Leopard shark	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.17	0.00	0.00	0.17	0.17
2013	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.33	0.00	0.00	0.33	0.33
2013	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.23	0.23	0.24	0.24
2013	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.38	0.00	0.00	0.38	0.38
2013	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	75.13	39.72	7.94	114.85	83.07
2013	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	49.38	1.13	0.23	50.51	49.61
2013	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.00	3.93	3.93	3.93	3.93
2013	OA FG – H&L	gf.	SST (S of 34°27')	SST	6.93	2.05	2.05	8.98	8.98
2013	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	1.31	1.32	0.66	2.63	1.97
2013	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.25	0.00	0.00	0.25	0.25
2013	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.20	0.00	0.00	0.20	0.20
2013	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	ngf.	CA halibut	CAhalibut	0.43	0.00	0.00	0.43	0.43
2013	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.09	0.09	0.09	0.09
2013	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.79	1.79	1.79	1.79
2013	OA FG – H&L	ngf.	Other ngf.	CAbarracuda	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA FG – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.12	0.12	0.12	0.12
2013	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.02	0.02	0.02	0.02
2013	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2013	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.45	0.45	0.45	0.45
2013	OA FG – H&L	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2013	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.41	0.41	0.41	0.41
2013	OA FG – H&L	ngf.	Other ngf.	PHLB	0.66	1.72	0.06	2.38	0.72
2013	OA FG – H&L	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.01	0.00	0.00	0.01	0.01
2013	OA FG – H&L	ngf.	Other ngf.	Red rock crab	0.02	0.00	0.00	0.02	0.02
2013	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.01	0.01	0.01	0.02	0.02
2013	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.29	0.29	0.29	0.29
2013	OA FG – H&L	ngf.	Other ngf.	Sea whip	0.00	0.02	0.02	0.02	0.02
2013	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.00	14.40	14.40	14.41	14.41
2013	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.74	0.00	0.00	0.74	0.74
2013	OA FG – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.29	0.29	0.29	0.29
2013	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.04	0.00	0.00	0.04	0.04
2013	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.10	0.00	0.00	0.10	0.10
2013	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.06	0.00	0.00	0.06	0.06
2013	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.02	0.02	0.02	0.02
2013	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.63	0.63	0.63	0.63
2013	OA FG – Pot	gf.	Cabezon (CA)	Cabezon	0.02	0.01	0.01	0.02	0.02
2013	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	gf.	Dover sole	Dover sole	0.01	0.07	0.07	0.07	0.07
2013	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.02	0.00	0.00	0.02	0.02
2013	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.07	0.06	0.06	0.13	0.13
2013	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.00	0.00	0.09	0.09
2013	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2013	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.08	0.00	0.00	0.08	0.08
2013	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.02	0.02	0.02	0.02
2013	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.02	0.02	0.03	0.03
2013	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.38	0.00	0.00	0.38	0.38
2013	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.06	0.06	0.06	0.06
2013	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.08	0.00	0.00	0.08	0.08
2013	OA FG – Pot	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	59.64	5.73	1.15	65.37	60.78
2013	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	11.62	0.00	0.00	11.62	11.62
2013	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.11	0.00	0.00	0.11	0.11
2013	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2013	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.04	0.04	0.06	0.06
2013	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	0.36	0.00	0.00	0.36	0.36
2013	OA FG – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Barred sand bass	0.00	0.13	0.13	0.13	0.13
2013	OA FG – Pot	ngf.	Other ngf.	Black surfperch	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.02	0.02	0.02	0.02
2013	OA FG – Pot	ngf.	Other ngf.	CAsheephead	0.00	0.59	0.59	0.59	0.59
2013	OA FG – Pot	ngf.	Other ngf.	CAspiny lobster	0.22	0.00	0.00	0.22	0.22
2013	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Garibaldi	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.08	0.02	0.02	0.10	0.10
2013	OA FG – Pot	ngf.	Other ngf.	Halfmoon	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.15	0.15	0.15	0.15
2013	OA FG – Pot	ngf.	Other ngf.	Kelp bass	0.00	0.28	0.28	0.28	0.28
2013	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	OA FG – Pot	ngf.	Other ngf.	Ocean whitefish	0.00	0.01	0.01	0.01	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.06	0.01	0.06	0.01
2013	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.04	0.04	0.04	0.04
2013	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.02	0.02	0.02	0.02
2013	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.05	0.05	0.05	0.05
2013	OA FG – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2013	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	1.28	1.28	1.28	1.28
2013	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2013	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.67	0.00	0.00	0.67	0.67
2013	PHLB Derby	gf.	Black rf. (OR)	Black rf.	0.01	0.00	0.00	0.01	0.01
2013	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.37	0.00	0.00	1.37	1.37
2013	PHLB Derby	gf.	Longnose skate	Longnose skate	2.06	0.00	0.00	2.06	2.06
2013	PHLB Derby	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2013	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2013	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.05	0.00	0.00	0.05	0.05
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.31	0.00	0.00	0.31	0.31
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2013	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2013	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Petrale sole	Petrale sole	0.04	0.00	0.00	0.04	0.04
2013	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	10.57	0.00	0.00	10.57	10.57
2013	PHLB Derby	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2013	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.15	0.00	0.00	0.15	0.15
2013	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.25	0.00	0.00	0.25	0.25
2013	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	18.78	18.78	18.78	18.78
2013	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.11	0.11	0.11	0.11
2013	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	3.67	3.67	3.67	3.67
2013	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	2.62	2.62	2.62	2.62

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.27	0.27	0.27	0.27
2013	Pink Shrimp	gf.	English sole	English sole	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.09	0.11	0.11	0.20	0.20
2013	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.28	0.28	0.28	0.28
2013	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.23	0.23	0.23	0.23
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.44	0.44	0.44	0.44
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.47	0.47	0.47	0.47
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.30	0.30	0.30	0.30
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.03	0.03	0.03	0.03
2013	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.06	0.06	0.06	0.06
2013	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.47	0.47	0.47	0.47
2013	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	3.62	3.62	3.62	3.62
2013	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	1.04	1.04	1.04	1.04
2013	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	3.87	3.87	3.87	3.87
2013	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	19.93	19.93	19.93	19.93
2013	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.11	0.11	0.11	0.11
2013	Pink Shrimp	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	30.29	30.29	30.29	30.29
2013	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.23	0.23	0.23	0.23
2013	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	1.34	1.34	1.34	1.34
2013	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.06	0.06	0.06	0.06
2013	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	3.49	3.49	3.49	3.49
2013	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.08	0.08	0.08	0.08
2013	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	96.78	96.78	96.78	96.78
2013	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.17	0.17	0.17	0.17
2013	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.71	0.71	0.71	0.71

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	1.34	1.34	1.34	1.34
2013	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.21	0.21	0.21	0.21
2013	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	14.40	14.40	14.40	14.40
2013	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	1.99	1.99	1.99	1.99
2013	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	2.60	2.60	2.60	2.60
2013	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.31	0.31	0.31	0.31
2013	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	4.17	4.17	4.17	4.17
2013	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Mixed species	2.16	0.00	0.00	2.16	2.16
2013	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Northern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.03	0.03	0.03	0.03
2013	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.41	0.41	0.41	0.41
2013	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.31	0.31	0.31	0.31
2013	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	0.76	0.76	0.76	0.76
2013	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.02	1.02	1.02	1.02
2013	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.07	0.07	0.07	0.07
2013	Pink Shrimp	ngf.	Other ngf.	Red brotula	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.03	0.03	0.03	0.03
2013	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.49	0.49	0.49	0.49
2013	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.04	0.04	0.04	0.04
2013	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.47	0.47	0.47	0.47
2013	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Sharpnose sculpin	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.05	0.05	0.05	0.05
2013	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	1.01	1.01	1.01	1.01
2013	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.35	0.35	0.35	0.35
2013	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.51	0.51	0.51	0.51
2013	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.09	0.09	0.09	0.09
2013	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2013	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.02	0.02	0.02	0.02
2013	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	31610.95	0.00	0.00	31610.95	31610.95
2013	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	381.00	381.00	381.00	381.00
2013	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.07	0.07	0.07	0.07
2013	Pink Shrimp	ngf.	Shared ECS	Lightfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	40.15	40.15	40.15	40.15
2013	Pink Shrimp	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	12.20	12.20	12.20	12.20
2013	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	19.58	19.58	19.58	19.58
2013	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2013	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	31.92	31.92	31.92	31.92
2013	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	10.97	10.97
2013	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	2.40	2.40
2013	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.02	0.02
2013	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.02	0.02
2013	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	2.03	2.03
2013	Research	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.18	0.18
2013	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.70	0.70
2013	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	2.99	2.99
2013	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	2.45	2.45
2013	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	21.42	21.42
2013	Research	gf.	ECS	CAskate	0.00	0.00	0.00	0.30	0.30
2013	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.18	0.18
2013	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	3.15	3.15
2013	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	1.30	1.30
2013	Research	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	2.06	2.06
2013	Research	gf.	English sole	English sole	0.00	0.00	0.00	2.39	2.39
2013	Research	gf.	Lingcod (N of 42°)	Lingcod	0.00	0.00	0.00	2.37	2.37
2013	Research	gf.	Lingcod (S of 42°)	Lingcod	0.00	0.00	0.00	1.11	1.11
2013	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	7.57	7.57
2013	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	10.52	10.52
2013	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.40	0.40
2013	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.17	0.17
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.13	0.13
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.09	0.09
2013	Research	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (Coast)	Stripetail rf.	0.00	0.00	0.00	2.60	2.60
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	1.57	1.57
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.05	0.05
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	1.35	1.35
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	1.23	1.23
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.89	0.89
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.47	0.47
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.48	0.48
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.29	0.29
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.15	0.15
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	3.40	3.40
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.02	0.02
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.14	0.14
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.18	0.18
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.52	0.52
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.07	0.07
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	2.28	2.28
2013	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	1.13	1.13
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	1.51	1.51
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.02	0.02
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.19	0.19
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	2.04	2.04
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.69	0.69
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	1.57	1.57
2013	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.12	0.12
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.17	0.17
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.06	0.06
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.40	0.40
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.03	0.03
2013	Research	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.16	0.16
2013	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.72	0.72
2013	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.12	0.12
2013	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	9.23	9.23
2013	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	5.38	5.38
2013	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.06	0.06
2013	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.01	0.01
2013	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.33	0.33
2013	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.30	0.30
2013	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	1055.57	1055.57
2013	Research	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	2.14	2.14
2013	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	5.02	5.02
2013	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	17.35	17.35
2013	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.66	0.66
2013	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.50	0.50
2013	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	4.30	4.30
2013	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.20	0.20
2013	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	8.54	8.54
2013	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.83	2.83
2013	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.05	0.05
2013	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	8.15	8.15
2013	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.93	0.93
2013	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	4.07	4.07
2013	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.03	0.03
2013	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.06	0.06
2013	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.08	0.08
2013	Research	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.15	0.15
2013	Research	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.01	0.01
2013	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	1.25	1.25
2013	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.17	0.17
2013	Research	ngf.	Other ngf.	CAlizardfish	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.02	0.02
2013	Research	ngf.	Other ngf.	Codling, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	67.52	67.52
2013	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	350.88	350.88
2013	Research	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.04	0.04
2013	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.68	0.68
2013	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Salmon shark	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Research	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.01	0.01
2013	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.02	0.02
2013	Research	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.80	0.80
2013	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.02	0.02
2013	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2013	Research	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.04	0.04
2013	Research	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.36	0.36
2013	Research	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2013	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2013	RBPT	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.02	0.00	0.00	0.02	0.02
2013	RBPT	gf.	Dover sole	Dover sole	0.08	0.00	0.00	0.08	0.08
2013	RBPT	gf.	English sole	English sole	0.98	0.00	0.00	0.98	0.98
2013	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2013	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.03	0.00	0.00	0.03	0.03
2013	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2013	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2013	RBPT	gf.	Other flatfish	Flatfish, unid.	13.24	0.00	0.00	13.24	13.24
2013	RBPT	gf.	Other flatfish	Rex sole	2.01	0.00	0.00	2.01	2.01
2013	RBPT	gf.	Other flatfish	Rock sole	0.04	0.00	0.00	0.04	0.04
2013	RBPT	gf.	Other flatfish	Sanddab, unid.	0.04	0.00	0.00	0.04	0.04
2013	RBPT	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2013	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2013	RBPT	ngf.	CA halibut	CAhalibut	0.20	0.00	0.00	0.20	0.20
2013	RBPT	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2013	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.05	0.00	0.00	0.05	0.05
2013	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2013	RBPT	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.00	0.00	0.00	0.00	0.00
2013	RBPT	ngf.	Other ngf.	Crab, unid.	0.41	0.00	0.00	0.41	0.41
2013	RBPT	ngf.	Other ngf.	Jack mackerel	0.23	0.00	0.00	0.23	0.23
2013	RBPT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	RBPT	ngf.	Other ngf.	Market squid	0.13	0.00	0.00	0.13	0.13
2013	RBPT	ngf.	Other ngf.	Mixed species	8.22	0.00	0.00	8.22	8.22
2013	RBPT	ngf.	Other ngf.	Octopus, unid.	0.09	0.00	0.00	0.09	0.09
2013	RBPT	ngf.	Other ngf.	Pacific angel shark	0.37	0.00	0.00	0.37	0.37
2013	RBPT	ngf.	Other ngf.	Pink shrimp	0.01	0.00	0.00	0.01	0.01
2013	RBPT	ngf.	Other ngf.	Queenfish	0.23	0.00	0.00	0.23	0.23
2013	RBPT	ngf.	Other ngf.	Red rock crab	2.00	0.00	0.00	2.00	2.00
2013	RBPT	ngf.	Other ngf.	Ridgeback prawn	60.22	0.00	0.00	60.22	60.22
2013	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.24	0.00	0.00	0.24	0.24
2013	RBPT	ngf.	Other ngf.	Shark, unid.	0.46	0.00	0.00	0.46	0.46
2013	RBPT	ngf.	Other ngf.	Skate, unid.	3.22	0.00	0.00	3.22	3.22
2013	RBPT	ngf.	Other ngf.	Spot prawn	1.89	0.00	0.00	1.89	1.89
2013	RBPT	ngf.	Other ngf.	White croaker	1.32	0.00	0.00	1.32	1.32
2013	RBPT	ngf.	Other ngf.	White sea bass	0.01	0.00	0.00	0.01	0.01
2013	SCT	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01
2013	SCT	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.04	0.00	0.00	0.04	0.04
2013	SCT	gf.	ECS	Soupfin shark	0.04	0.00	0.00	0.04	0.04
2013	SCT	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2013	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.17	0.00	0.00	0.17	0.17
2013	SCT	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	SCT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2013	SCT	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2013	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2013	SCT	gf.	Other flatfish	Flatfish, unid.	0.15	0.00	0.00	0.15	0.15
2013	SCT	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2013	SCT	ngf.	CA halibut	CAhalibut	0.13	0.00	0.00	0.13	0.13
2013	SCT	ngf.	Non-FMP flatfish	Diamond turbot	0.02	0.00	0.00	0.02	0.02
2013	SCT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.02	0.00	0.00	0.02	0.02
2013	SCT	ngf.	Other ngf.	Crab, unid.	0.10	0.00	0.00	0.10	0.10
2013	SCT	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2013	SCT	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2013	SCT	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2013	SCT	ngf.	Other ngf.	Pacific angel shark	0.11	0.00	0.00	0.11	0.11
2013	SCT	ngf.	Other ngf.	Red rock crab	0.13	0.00	0.00	0.13	0.13
2013	SCT	ngf.	Other ngf.	Ridgeback prawn	0.18	0.00	0.00	0.18	0.18
2013	SCT	ngf.	Other ngf.	Sea cucumber, unid.	64.76	0.00	0.00	64.76	64.76
2013	SCT	ngf.	Other ngf.	Shark, unid.	0.02	0.00	0.00	0.02	0.02
2013	SCT	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2013	SCT	ngf.	Other ngf.	Skate, unid.	0.05	0.00	0.00	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	SCT	ngf.	Other ngf.	White croaker	0.04	0.00	0.00	0.04	0.04
2013	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	5.46	0.00	0.00	5.46	5.46
2013	Shoreside Hake	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	gf.	Canary rf.	Canary rf.	1.98	0.00	0.00	1.98	1.98
2013	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	3.25	0.00	0.00	3.25	3.25
2013	Shoreside Hake	gf.	Dover sole	Dover sole	0.13	0.00	0.00	0.13	0.13
2013	Shoreside Hake	gf.	ECS	Soupfin shark	0.00	0.03	0.03	0.03	0.03
2013	Shoreside Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2013	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.16	0.00	0.00	0.16	0.16
2013	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	7.93	0.00	0.00	7.93	7.93
2013	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.10	0.00	0.00	0.10	0.10
2013	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.45	0.00	0.00	0.45	0.45
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.21	0.00	0.00	0.21	0.21
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.09	0.00	0.00	0.09	0.09
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.57	0.00	0.00	0.57	0.57
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.09	0.00	0.00	0.09	0.09
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.03	0.00	0.00	0.03	0.03
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.08	0.00	0.00	0.08	0.08
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.84	0.01	0.01	2.85	2.85
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.23	0.00	0.00	0.23	0.23
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.59	0.00	0.00	0.59	0.59
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	5.97	0.00	0.00	5.97	5.97
2013	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.08	0.00	0.00	0.08	0.08
2013	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.07	0.00	0.00	0.07	0.07
2013	Shoreside Hake	gf.	Other flatfish	Rex sole	0.39	0.00	0.00	0.39	0.39
2013	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.04	0.00	0.00	0.04	0.04
2013	Shoreside Hake	gf.	Pacific hake	Pacific hake	96867.80	459.65	459.65	97327.44	97327.44
2013	Shoreside Hake	gf.	POP (N of 40°10')	POP	7.09	0.00	0.00	7.09	7.09
2013	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	0.66	0.00	0.00	0.66	0.66
2013	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	2.12	0.00	0.00	2.12	2.12
2013	Shoreside Hake	gf.	SST (N of 34°27')	SST	3.30	0.00	0.00	3.30	3.30
2013	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	80.56	0.00	0.00	80.56	80.56
2013	Shoreside Hake	gf.	Widow rf.	Widow rf.	191.60	0.91	0.91	192.52	192.52
2013	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	270.54	0.16	0.16	270.70	270.70
2013	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	ngf.	Other ngf.	American shad	23.34	0.00	0.00	23.34	23.34
2013	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.11	0.05	0.05	0.16	0.16
2013	Shoreside Hake	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	ngf.	Other ngf.	Brown cat shark	1.22	0.00	0.00	1.22	1.22
2013	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.21	0.30	0.30	0.51	0.51
2013	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	ngf.	Other ngf.	Herring, unid.	0.00	0.04	0.04	0.04	0.04
2013	Shoreside Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.02	0.02	0.02	0.02
2013	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	119.71	0.00	0.00	119.71	119.71
2013	Shoreside Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.03	0.03	0.03	0.03
2013	Shoreside Hake	ngf.	Other ngf.	Longnose lancetfish	0.00	0.01	0.01	0.01	0.01
2013	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.57	0.00	0.00	0.57	0.57
2013	Shoreside Hake	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2013	Shoreside Hake	ngf.	Other ngf.	Mixed species	1.01	0.00	0.00	1.01	1.01
2013	Shoreside Hake	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.19	0.19	0.19	0.19
2013	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.03	0.03
2013	Shoreside Hake	ngf.	Other ngf.	PHLB	1.28	0.05	0.05	1.34	1.34
2013	Shoreside Hake	ngf.	Other ngf.	Pacific herring	0.05	0.00	0.00	0.05	0.05
2013	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	3.54	0.00	0.00	3.54	3.54
2013	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.71	0.03	0.03	0.74	0.74
2013	Shoreside Hake	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2013	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	1.12	5.31	5.31	6.43	6.43
2013	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.19	0.00	0.00	0.19	0.19
2013	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	17.50	0.05	0.05	17.55	17.55
2013	Shoreside Hake	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2013	Shoreside Hake	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	1.31	1.31	1.31	1.31
2013	Shoreside Hake	ngf.	Shared ECS	Smelt, unid.	0.09	0.00	0.00	0.09	0.09
2013	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	2.48	0.00	0.00	2.48	2.48
2013	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2013	Tribal Shoreside	gf.	Canary rf.	Canary rf.	3.79	0.00	0.00	3.79	3.79

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2013	Tribal Shoreside	gf.	Dover sole	Dover sole	91.64	0.00	0.00	91.64	91.64
2013	Tribal Shoreside	gf.	English sole	English sole	132.65	0.00	0.00	132.65	132.65
2013	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	63.84	0.00	0.00	63.84	63.84
2013	Tribal Shoreside	gf.	Longnose skate	Longnose skate	2.95	0.00	0.00	2.95	2.95
2013	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.16	0.00	0.00	0.16	0.16
2013	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.53	0.00	0.00	0.53	0.53
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.10	0.00	0.00	0.10	0.10
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.05	0.00	0.00	0.05	0.05
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.24	0.00	0.00	0.24	0.24
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	7.21	0.00	0.00	7.21	7.21
2013	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.10	0.00	0.00	1.10	1.10
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.43	0.00	0.00	9.43	9.43
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	17.51	0.00	0.00	17.51	17.51
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.71	0.00	0.00	0.71	0.71
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.29	0.00	0.00	0.29	0.29
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2013	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	0.83	0.00	0.00	0.83	0.83
2013	Tribal Shoreside	gf.	Other flatfish	Rex sole	32.30	0.00	0.00	32.30	32.30
2013	Tribal Shoreside	gf.	Other flatfish	Rock sole	5.21	0.00	0.00	5.21	5.21
2013	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.70	0.00	0.00	0.70	0.70
2013	Tribal Shoreside	gf.	Pacific cod	Pacific cod	237.46	0.00	0.00	237.46	237.46
2013	Tribal Shoreside	gf.	Pacific hake	Pacific hake	5215.56	0.00	0.00	5215.56	5215.56
2013	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2013	Tribal Shoreside	gf.	Petrale sole	Petrale sole	142.37	0.00	0.00	142.37	142.37
2013	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	364.08	0.00	0.00	364.08	364.08
2013	Tribal Shoreside	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02
2013	Tribal Shoreside	gf.	SST (N of 34°27')	SST	20.83	0.00	0.00	20.83	20.83
2013	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	24.21	0.00	0.00	24.21	24.21
2013	Tribal Shoreside	gf.	Widow rf.	Widow rf.	28.43	0.00	0.00	28.43	28.43
2013	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.36	0.00	0.00	0.36	0.36
2013	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	392.17	0.00	0.00	392.17	392.17
2013	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1875.99	0.00	0.00	1875.99	1875.99
2013	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	0.08	0.00	0.00	0.08	0.08

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2013	Tribal Shoreside	ngf.	Other ngf.	American shad	0.35	0.00	0.00	0.35	0.35
2013	Tribal Shoreside	ngf.	Other ngf.	Hagfish, unid.	25.15	0.00	0.00	25.15	25.15
2013	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	ngf.	Other ngf.	Mackerel, unid.	0.11	0.00	0.00	0.11	0.11
2013	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.14	0.00	0.00	0.14	0.14
2013	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	1.03	0.00	0.00	1.03	1.03
2013	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	ngf.	Other ngf.	Pacific mackerel	0.06	0.00	0.00	0.06	0.06
2013	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	585.48	0.00	0.00	585.48	585.48
2013	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2013	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	64.40	0.00	0.00	64.40	64.40
2013	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.15	0.00	0.00	0.15	0.15
2013	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	4.32	0.00	0.00	4.32	4.32
2013	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.07	0.00	0.00	0.07	0.07
2014	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	8.44	0.36	0.36	8.80	8.80
2014	A-S Hake CP	gf.	Big skate	Big skate	0.15	0.07	0.07	0.22	0.22
2014	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.18	0.10	0.10	0.28	0.28
2014	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	2.74	0.67	0.67	3.41	3.41
2014	A-S Hake CP	gf.	Dover sole	Dover sole	0.85	0.01	0.01	0.87	0.87
2014	A-S Hake CP	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	ECS	Bering skate	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.28	0.07	0.07	0.35	0.35
2014	A-S Hake CP	gf.	ECS	Sandpaper skate	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	gf.	ECS	Soupfin shark	0.05	0.45	0.45	0.49	0.49
2014	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.04	0.00	0.00	0.04	0.04
2014	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.26	0.09	0.09	0.35	0.35
2014	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.01	0.01	0.01	0.01
2014	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.03	0.00	0.00	0.04	0.04
2014	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.02	0.02
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.08	0.00	0.00	0.08	0.08
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.07	0.01	0.01	0.08	0.08
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.09	0.00	0.00	0.09	0.09
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.20	0.89	0.89	4.09	4.09
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	12.79	0.56	0.56	13.35	13.35
2014	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	2.56	0.00	0.00	2.56	2.56
2014	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	gf.	Other flatfish	Rex sole	7.11	0.49	0.49	7.60	7.60
2014	A-S Hake CP	gf.	Pacific hake	Pacific hake	103171.34	94.95	94.95	103266.29	103266.29
2014	A-S Hake CP	gf.	POP (N of 40°10')	POP	0.28	0.04	0.04	0.32	0.32
2014	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.01	0.02	0.02	0.03	0.03
2014	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	14.96	0.30	0.30	15.27	15.27
2014	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	gf.	SST (N of 34°27')	SST	17.01	1.83	1.83	18.84	18.84
2014	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	17.02	21.02	21.02	38.04	38.04
2014	A-S Hake CP	gf.	Widow rf.	Widow rf.	4.05	12.50	12.50	16.55	16.55
2014	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.01	0.01	0.02	0.02
2014	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Albacore tuna	0.02	0.06	0.06	0.08	0.08
2014	A-S Hake CP	ngf.	Other ngf.	American shad	0.12	0.08	0.08	0.20	0.20
2014	A-S Hake CP	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Blacktail snailfish group	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.25	0.41	0.41	0.66	0.66
2014	A-S Hake CP	ngf.	Other ngf.	Brittle starfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	16.43	8.17	8.17	24.60	24.60
2014	A-S Hake CP	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.07	0.02	0.02	0.10	0.10
2014	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.04	0.04	0.04	0.08	0.08
2014	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.01	0.00	0.00	0.02	0.02
2014	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	36.77	14.74	14.74	51.51	51.51
2014	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.05	0.98	0.98	1.03	1.03
2014	A-S Hake CP	ngf.	Other ngf.	King of the salmon	4.18	3.56	3.56	7.75	7.75
2014	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.01	0.01	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.04	0.04	0.04	0.08	0.08
2014	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.01	0.01	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Manefish	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Medusafish	1.27	1.11	1.11	2.38	2.38
2014	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.05	0.05	0.05	0.05
2014	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.25	0.25	0.26	0.26
2014	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.04	0.07	0.07	0.11	0.11
2014	A-S Hake CP	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.04	0.04	0.04	0.04
2014	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.02	0.00	0.00	0.02	0.02
2014	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	22.67	15.42	15.42	38.09	38.09
2014	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.33	0.09	0.09	0.42	0.42
2014	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.01	0.02	0.02	0.03	0.03
2014	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.10	2.29	2.29	2.39	2.39
2014	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.01	0.01	0.01	0.03	0.03
2014	A-S Hake CP	ngf.	Other ngf.	Pelecypoda	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Ragfish	13.81	10.54	10.54	24.35	24.35
2014	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.12	0.04	0.04	0.16	0.16
2014	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.12	0.03	0.03	0.16	0.16
2014	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.16	6.04	6.04	6.20	6.20
2014	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.03	0.03
2014	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Sixgill shark	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Skate, unid.	0.04	0.00	0.00	0.04	0.04
2014	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Spookfish, unid.	0.31	0.29	0.29	0.60	0.60
2014	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	66.43	61.49	61.49	127.92	127.92
2014	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.05	0.02	0.02	0.07	0.07
2014	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.02	0.01	0.01	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.07	0.05	0.05	0.11	0.11
2014	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.22	0.13	0.13	0.35	0.35
2014	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.20	0.13	0.13	0.34	0.34
2014	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	Rainbow smelt	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake CP	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.03	0.00	0.00	0.03	0.03
2014	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	1.76	0.17	0.17	1.93	1.93
2014	A-S Hake MSCV	gf.	Big skate	Big skate	0.00	0.25	0.25	0.25	0.25
2014	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.20	0.15	0.15	0.35	0.35
2014	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	4.76	2.44	2.44	7.21	7.21
2014	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2014	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.05	0.32	0.32	0.37	0.37
2014	A-S Hake MSCV	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.50	0.35	0.35	0.85	0.85
2014	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.00	0.40	0.40	0.40	0.40
2014	A-S Hake MSCV	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.06	0.06	0.07	0.07
2014	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.03	0.03	0.04	0.04
2014	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.06	0.01	0.01	0.07	0.07
2014	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.59	0.90	0.90	1.48	1.48
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	2.73	3.44	3.44	6.17	6.17
2014	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.54	0.05	0.05	0.59	0.59
2014	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	61793.66	244.62	244.62	62038.29	62038.29
2014	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	1.69	1.91	1.91	3.60	3.60

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	0.72	0.18	0.18	0.90	0.90
2014	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.57	1.06	1.06	1.63	1.63
2014	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	6.08	15.45	15.45	21.53	21.53
2014	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	25.91	13.72	13.72	39.63	39.63
2014	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	18.28	23.66	23.66	41.94	41.94
2014	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	American shad	14.12	4.00	4.00	18.12	18.12
2014	A-S Hake MSCV	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.49	0.49	0.49	0.49
2014	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	3.12	6.97	6.97	10.10	10.10
2014	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.93	0.93	0.93	0.93
2014	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.01	0.01	0.01	0.01
2014	A-S Hake MSCV	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.01	0.01	0.02	0.02
2014	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.01	0.01	0.01	0.02	0.02
2014	A-S Hake MSCV	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.16	0.16	0.16	0.16
2014	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	10.96	8.81	8.81	19.77	19.77
2014	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.18	0.18	0.18	0.18
2014	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	2.66	1.52	1.52	4.18	4.18
2014	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.01	0.01	0.01	0.01
2014	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.01	0.02	0.02	0.03	0.03
2014	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.01	0.01
2014	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.35	0.27	0.27	0.62	0.62
2014	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.07	0.07	0.07	0.07
2014	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.05	0.08	0.08	0.13	0.13
2014	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.01	0.01	0.01	0.02	0.02
2014	A-S Hake MSCV	ngf.	Other ngf.	Opah	0.06	0.00	0.00	0.06	0.06
2014	A-S Hake MSCV	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.33	0.33	0.33	0.33
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.06	0.04	0.04	0.10	0.10
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.41	0.06	0.06	0.47	0.47
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.40	0.31	0.31	0.71	0.71
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.06	0.01	0.01	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.01	0.32	0.32	0.33	0.33
2014	A-S Hake MSCV	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	2.09	2.82	2.82	4.91	4.91
2014	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.25	0.00	0.00	0.25	0.25
2014	A-S Hake MSCV	ngf.	Other ngf.	Rough pomfret	0.05	0.01	0.01	0.06	0.06
2014	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	1.91	1.91	1.91	1.91
2014	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.01	0.03	0.03	0.04	0.04
2014	A-S Hake MSCV	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Other ngf.	Spookfish, unid.	0.02	0.02	0.02	0.04	0.04
2014	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	11.36	20.16	20.16	31.53	31.53
2014	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.01	0.01
2014	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.01	0.00	0.00	0.01	0.01
2014	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Shared ECS	Blacksmelt, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.03	0.02	0.02	0.06	0.06
2014	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.01	0.01	0.01	0.02	0.02
2014	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2014	A-S Hake MSCV	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	1224.97	504.01	504.01	1728.98	1728.98
2014	CS – BT	gf.	Big skate	Big skate	41.01	71.51	35.75	112.52	76.77
2014	CS – BT	gf.	Black rf. (OR)	Black rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Black rf. (WA)	Black rf.	0.67	0.32	0.32	0.99	0.99
2014	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	8.28	0.32	0.32	8.60	8.60
2014	CS – BT	gf.	Cabezon (OR)	Cabezon	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	gf.	Canary rf.	Canary rf.	6.23	0.04	0.04	6.27	6.27
2014	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	274.08	38.25	38.25	312.33	312.33
2014	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.18	0.00	0.00	0.18	0.18
2014	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	81.36	8.14	8.14	89.51	89.51
2014	CS – BT	gf.	Dover sole	Dover sole	6370.85	128.19	128.19	6499.04	6499.04
2014	CS – BT	gf.	ECS	Abyssal grenadier	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	gf.	ECS	Aleutian skate	0.00	1.53	1.53	1.53	1.53
2014	CS – BT	gf.	ECS	Black skate	0.00	18.79	18.79	18.79	18.79
2014	CS – BT	gf.	ECS	CAgrenadier	0.00	0.27	0.27	0.27	0.27
2014	CS – BT	gf.	ECS	CAskate	0.00	0.86	0.86	0.86	0.86
2014	CS – BT	gf.	ECS	Deepsea skate	0.00	0.80	0.80	0.80	0.80
2014	CS – BT	gf.	ECS	Giant grenadier	0.00	59.07	59.07	59.07	59.07
2014	CS – BT	gf.	ECS	Grenadier, unid.	25.75	7.00	7.00	32.75	32.75
2014	CS – BT	gf.	ECS	Pacific flatnose	0.00	0.83	0.83	0.83	0.83
2014	CS – BT	gf.	ECS	Pacific grenadier	4.16	30.20	30.20	34.36	34.36
2014	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	gf.	ECS	Sandpaper skate	0.00	40.47	40.47	40.47	40.47
2014	CS – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	ECS	Smooth grenadier	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	gf.	ECS	Soupfin shark	0.71	1.05	1.05	1.76	1.76
2014	CS – BT	gf.	ECS	Spotted ratfish	2.79	90.96	90.96	93.75	93.75
2014	CS – BT	gf.	ECS	White skate	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	gf.	English sole	English sole	191.71	47.68	47.68	239.39	239.39
2014	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	207.15	17.32	8.66	224.46	215.81
2014	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	13.60	4.96	2.48	18.56	16.08
2014	CS – BT	gf.	Longnose skate	Longnose skate	778.16	136.41	68.21	914.57	846.36
2014	CS – BT	gf.	LST (N of 34°27')	LST	853.08	40.71	40.71	893.80	893.80
2014	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.17	0.00	0.00	0.17	0.17
2014	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.23	0.00	0.00	0.23	0.23
2014	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.36	0.03	0.03	0.39	0.39
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	3.12	0.60	0.60	3.72	3.72
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.01	0.01	0.04	0.04
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	11.92	5.34	5.34	17.26	17.26
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.80	0.23	0.23	2.02	2.02
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.93	0.87	0.87	1.79	1.79
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.09	0.00	0.00	0.09	0.09
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.48	0.00	0.00	0.48	0.48
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.74	6.27	6.27	7.00	7.00
2014	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.05	0.01	0.01	0.07	0.07
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.51	0.08	0.08	0.58	0.58
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.26	1.05	1.05	1.31	1.31
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.04	0.06	0.06	0.10	0.10
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.05	0.03	0.03	0.09	0.09
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.07	6.21	6.21	6.28	6.28
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.06	0.00	0.00	0.06	0.06
2014	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.03	0.01	0.01	0.04	0.04
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	14.36	4.98	4.98	19.33	19.33
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	2.47	0.00	0.00	2.48	2.48
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	5.81	0.02	0.02	5.83	5.83
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.88	0.30	0.30	4.17	4.17
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	33.96	0.11	0.11	34.07	34.07
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	9.44	4.41	4.41	13.85	13.85
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	22.53	0.01	0.01	22.54	22.54
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.29	0.12	0.12	2.40	2.40
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	17.68	16.05	16.05	33.73	33.73
2014	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	3.88	0.01	0.01	3.89	3.89
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	3.34	1.30	1.30	4.65	4.65
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	55.48	0.06	0.06	55.54	55.54
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	34.00	0.89	0.89	34.90	34.90
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.05	0.00	0.00	0.05	0.05
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.28	0.07	0.07	1.36	1.36
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.03	0.03	0.03	0.03
2014	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Mixed thornyheads	SST/LST	0.01	0.22	0.22	0.23	0.23
2014	CS – BT	gf.	Other flatfish	Butter sole	3.70	0.66	0.66	4.35	4.35
2014	CS – BT	gf.	Other flatfish	Curlfin sole	1.35	1.05	1.05	2.40	2.40
2014	CS – BT	gf.	Other flatfish	Flatfish, unid.	0.04	0.07	0.07	0.12	0.12

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2014	CS – BT	gf.	Other flatfish	Flathead sole	10.60	8.65	8.65	19.25	19.25
2014	CS – BT	gf.	Other flatfish	Pacific sanddab	211.67	114.14	114.14	325.82	325.82
2014	CS – BT	gf.	Other flatfish	Rex sole	381.44	40.22	40.22	421.66	421.66
2014	CS – BT	gf.	Other flatfish	Rock sole	0.67	0.23	0.23	0.90	0.90
2014	CS – BT	gf.	Other flatfish	Sand sole	18.32	0.57	0.57	18.89	18.89
2014	CS – BT	gf.	Other flatfish	Sanddab, unid.	40.67	0.08	0.08	40.76	40.76
2014	CS – BT	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	gf.	Pacific cod	Pacific cod	165.34	0.52	0.52	165.86	165.86
2014	CS – BT	gf.	Pacific hake	Pacific hake	38.38	199.46	199.46	237.84	237.84
2014	CS – BT	gf.	POP (N of 40°10')	POP	29.53	1.23	1.23	30.76	30.76
2014	CS – BT	gf.	Petrale sole	Petrale sole	2292.72	25.79	25.79	2318.51	2318.51
2014	CS – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1274.88	19.06	9.53	1293.93	1284.40
2014	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	5.67	2.12	1.06	7.79	6.73
2014	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.04	7.99	7.99	8.02	8.02
2014	CS – BT	gf.	SST (N of 34°27')	SST	671.55	9.58	9.58	681.12	681.12
2014	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	52.79	309.07	309.07	361.86	361.86
2014	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	16.19	48.00	48.00	64.19	64.19
2014	CS – BT	gf.	Starry flounder	Starry flounder	13.65	1.06	1.06	14.70	14.70
2014	CS – BT	gf.	Widow rf.	Widow rf.	51.52	0.10	0.10	51.62	51.62
2014	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.08	0.00	0.00	0.08	0.08
2014	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	285.74	0.09	0.09	285.83	285.83
2014	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.03	115.20	115.20	115.23	115.23
2014	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.01	16.99	16.99	17.00	17.00
2014	CS – BT	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.07	0.07	0.07	0.07
2014	CS – BT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.04	0.04	0.04	0.04
2014	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.00	33.85	33.85	33.85	33.85
2014	CS – BT	ngf.	Other ngf.	American shad	0.14	4.01	4.01	4.15	4.15
2014	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	26.32	26.32	26.32	26.32
2014	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.18	0.18	0.18	0.18
2014	CS – BT	ngf.	Other ngf.	Atka mackerel	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Barreleye spookfish, unid.	0.00	0.03	0.03	0.03	0.03
2014	CS – BT	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Bigeye starsnout poacher	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	1.36	1.36	1.36	1.36
2014	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.03	0.03	0.03	0.03
2014	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.03	0.03	0.03	0.03
2014	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.09	0.09	0.09	0.09
2014	CS – BT	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	0.86	0.86	0.86	0.86
2014	CS – BT	ngf.	Other ngf.	Brown cat shark	0.00	38.56	38.56	38.56	38.56
2014	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	CAking crab	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	CAslickhead	0.00	13.97	13.97	13.97	13.97
2014	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.19	0.19	0.19	0.19
2014	CS – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Echinoderm, unid.	0.02	0.00	0.00	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.02	16.98	16.98	16.99	16.99
2014	CS – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	4.41	4.41	4.41	4.41
2014	CS – BT	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	1.20	1.20	1.20	1.20
2014	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	3.86	3.86	3.86	3.86
2014	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.04	0.04	0.04	0.04
2014	CS – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Jack mackerel	0.00	0.08	0.08	0.08	0.08
2014	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	3.15	3.15	3.15	3.15
2014	CS – BT	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	ngf.	Other ngf.	Lamprey, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	1.82	1.82	1.82	1.82
2014	CS – BT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.08	0.08	0.08	0.08
2014	CS – BT	ngf.	Other ngf.	Market squid	0.04	0.00	0.00	0.04	0.04
2014	CS – BT	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.27	0.27	0.27	0.27
2014	CS – BT	ngf.	Other ngf.	Mixed species	3.58	0.02	0.02	3.60	3.60
2014	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.08	0.08	0.08	0.08
2014	CS – BT	ngf.	Other ngf.	Octopus, unid.	1.53	5.70	5.70	7.22	7.22
2014	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	2.37	2.37	2.37	2.37
2014	CS – BT	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	PHLB	0.09	55.80	26.20	55.89	26.28
2014	CS – BT	ngf.	Other ngf.	Pacific herring	0.00	0.13	0.13	0.13	0.13
2014	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.03	0.03	0.03	0.03
2014	CS – BT	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Pacific sardine	0.00	0.08	0.08	0.08	0.08
2014	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.07	0.07	0.07	0.07
2014	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	18.58	18.58	18.58	18.58
2014	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.14	0.14	0.14	0.14
2014	CS – BT	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Pelagic thresher shark	0.00	1.07	1.07	1.07	1.07
2014	CS – BT	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Prowfish	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.33	0.33	0.33	0.33

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Salmon shark	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.05	0.05	0.05	0.05
2014	CS – BT	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.14	0.14	0.14	0.14
2014	CS – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Scallop, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.12	0.12	0.12	0.12
2014	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	1.96	1.96	1.96	1.96
2014	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.07	1.07	1.07	1.07
2014	CS – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.18	0.18	0.18	0.18
2014	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.04	0.04	0.04	0.04
2014	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	17.48	17.48	17.48	17.48
2014	CS – BT	ngf.	Other ngf.	Sea whip	0.00	0.04	0.04	0.04	0.04
2014	CS – BT	ngf.	Other ngf.	Shark, unid.	1.94	6.45	6.45	8.39	8.39
2014	CS – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.29	0.29	0.29	0.29
2014	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	ngf.	Other ngf.	Skate, unid.	325.44	1.05	1.05	326.48	326.48
2014	CS – BT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.58	0.58	0.58	0.58
2014	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	1.26	1.26	1.26	1.26
2014	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Specklefin midshipman	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	2.10	2.10	2.10	2.10
2014	CS – BT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Squid, unid.	1.23	1.73	1.73	2.96	2.96
2014	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.07	0.07	0.07	0.07
2014	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.09	0.09	0.09	0.09
2014	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.29	0.29	0.29	0.29
2014	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	4.57	4.57	4.57	4.57
2014	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	2.64	2.64	2.64	2.64
2014	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – BT	ngf.	Other ngf.	Walleye pollock	0.04	0.11	0.11	0.15	0.15
2014	CS – BT	ngf.	Other ngf.	Wolf-eel	0.00	0.06	0.06	0.06	0.06
2014	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.02	0.04	0.04	0.06	0.06
2014	CS – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.11	0.11	0.11	0.11
2014	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	6.56	6.56	6.56	6.56
2014	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2014	CS – BT	ngf.	Shared ECS	Smelt, unid.	0.00	0.05	0.05	0.05	0.05
2014	CS – BT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.35	0.35	0.35	0.35
2014	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	24.76	24.76	24.76	24.76
2014	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	131.49	131.49	131.49	131.49
2014	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	2.01	2.01	2.02	2.02
2014	CS – H&L	gf.	Big skate	Big skate	0.00	0.07	0.07	0.07	0.07
2014	CS – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.13	0.00	0.00	0.13	0.13
2014	CS – H&L	gf.	Canary rf.	Canary rf.	0.02	0.00	0.00	0.02	0.02
2014	CS – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.32	0.00	0.00	0.32	0.32
2014	CS – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2014	CS – H&L	gf.	Dover sole	Dover sole	0.10	0.01	0.01	0.10	0.10
2014	CS – H&L	gf.	ECS	Aleutian skate	0.00	0.03	0.03	0.03	0.03
2014	CS – H&L	gf.	ECS	Black skate	0.00	0.15	0.15	0.15	0.15
2014	CS – H&L	gf.	ECS	Deepsea skate	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	gf.	ECS	Giant grenadier	0.00	0.58	0.58	0.58	0.58
2014	CS – H&L	gf.	ECS	Grenadier, unid.	0.46	0.00	0.00	0.46	0.46
2014	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	gf.	ECS	Pacific grenadier	0.00	0.30	0.30	0.30	0.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.04	0.04	0.04	0.04
2014	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.04	0.04	0.04	0.04
2014	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.28	0.02	0.00	0.30	0.28
2014	CS – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.00	0.00	0.03	0.03
2014	CS – H&L	gf.	Longnose skate	Longnose skate	2.86	0.54	0.27	3.40	3.13
2014	CS – H&L	gf.	LST (N of 34°27')	LST	0.01	0.25	0.25	0.26	0.26
2014	CS – H&L	gf.	LST (S of 34°27')	LST	0.11	0.14	0.14	0.26	0.26
2014	CS – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.03	0.00	0.00	0.03	0.03
2014	CS – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.07	0.00	0.00	1.08	1.08
2014	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.36	0.01	0.01	0.37	0.37
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.17	0.01	0.01	1.18	1.18
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.69	0.09	0.09	2.78	2.78
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.32	0.01	0.01	0.33	0.33
2014	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	Other flatfish	Sanddab, unid.	0.03	0.00	0.00	0.03	0.03
2014	CS – H&L	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2014	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.08	0.08	0.08	0.08
2014	CS – H&L	gf.	POP (N of 40°10')	POP	0.05	0.00	0.00	0.05	0.05
2014	CS – H&L	gf.	Petrale sole	Petrale sole	0.09	0.01	0.01	0.10	0.10
2014	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	67.65	2.54	0.51	70.20	68.16
2014	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	15.10	0.14	0.03	15.24	15.12
2014	CS – H&L	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	gf.	SST (N of 34°27')	SST	3.85	0.10	0.10	3.95	3.95

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – H&L	gf.	SST (S of 34°27')	SST	1.26	0.02	0.02	1.28	1.28
2014	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	31.53	15.76	31.53	15.76
2014	CS – H&L	gf.	Widow rf.	Widow rf.	0.20	0.00	0.00	0.20	0.20
2014	CS – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.02	0.00	0.00	0.02	0.02
2014	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	3.06	3.06	3.06	3.06
2014	CS – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.03	0.03	0.03	0.03
2014	CS – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.72	0.72	0.72	0.72
2014	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.30	0.30	0.30	0.30
2014	CS – H&L	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Other ngf.	PHLB	0.00	3.80	0.61	3.80	0.61
2014	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.30	0.30	0.30	0.30
2014	CS – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.14	0.00	0.00	0.14	0.14
2014	CS – H&L	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – H&L	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2014	CS – MWT	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Canary rf.	Canary rf.	1.65	0.00	0.00	1.65	1.65
2014	CS – MWT	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2014	CS – MWT	gf.	Lingcod (N of 40°10')	Lingcod	4.28	0.00	0.00	4.28	4.28
2014	CS – MWT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.11	0.00	0.00	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.14	0.00	0.00	0.14	0.14
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2014	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2014	CS – MWT	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Pacific hake	Pacific hake	2.32	0.00	0.00	2.32	2.32
2014	CS – MWT	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Sablefish (N of 36°)	Sablefish	0.01	0.00	0.00	0.01	0.01
2014	CS – MWT	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	gf.	Spiny dogfish	Spiny dogfish shark	1.12	0.00	0.00	1.12	1.12
2014	CS – MWT	gf.	Widow rf.	Widow rf.	298.27	0.01	0.01	298.29	298.29
2014	CS – MWT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	567.94	0.00	0.00	567.94	567.94
2014	CS – MWT	ngf.	Other ngf.	American shad	0.05	0.00	0.00	0.05	0.05
2014	CS – MWT	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	ngf.	Other ngf.	Common thresher shark	0.00	0.27	0.27	0.27	0.27
2014	CS – MWT	ngf.	Other ngf.	Jack mackerel	0.10	0.00	0.00	0.10	0.10
2014	CS – MWT	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2014	CS – MWT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.18	0.18	0.18	0.18
2014	CS – MWT	ngf.	Other ngf.	Pacific herring	1.94	0.00	0.00	1.94	1.94
2014	CS – MWT	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	ngf.	Other ngf.	Pacific sardine	0.75	0.00	0.00	0.75	0.75
2014	CS – MWT	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.27	0.27	0.27	0.27
2014	CS – MWT	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2014	CS – MWT	ngf.	Other ngf.	Squid, unid.	0.15	0.00	0.00	0.15	0.15
2014	CS – MWT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – MWT	ngf.	Shared ECS	Smelt, unid.	0.03	0.00	0.00	0.03	0.03
2014	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	0.11	0.11	0.13	0.13
2014	CS – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2014	CS – Pot	gf.	Dover sole	Dover sole	0.53	0.16	0.16	0.69	0.69

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – Pot	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	ECS	Giant grenadier	0.00	1.17	1.17	1.17	1.17
2014	CS – Pot	gf.	ECS	Grenadier, unid.	0.30	0.27	0.27	0.57	0.57
2014	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.06	0.06	0.06	0.06
2014	CS – Pot	gf.	ECS	Pacific grenadier	0.00	4.76	4.76	4.76	4.76
2014	CS – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.31	0.08	0.08	1.40	1.40
2014	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.11	0.03	0.03	0.14	0.14
2014	CS – Pot	gf.	Longnose skate	Longnose skate	0.00	0.01	0.00	0.01	0.01
2014	CS – Pot	gf.	LST (N of 34°27')	LST	0.02	0.01	0.01	0.04	0.04
2014	CS – Pot	gf.	LST (S of 34°27')	LST	0.01	0.01	0.01	0.01	0.01
2014	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.04	0.04
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.09	0.00	0.00	0.09	0.09
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2014	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.04	0.04
2014	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.34	0.10	0.10	3.44	3.44
2014	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Pacific hake	Pacific hake	0.00	0.09	0.09	0.09	0.09
2014	CS – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.02	0.02
2014	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	497.62	7.47	1.49	505.09	499.12
2014	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	176.17	2.69	0.54	178.86	176.71
2014	CS – Pot	gf.	SST (N of 34°27')	SST	0.39	0.21	0.21	0.59	0.59
2014	CS – Pot	gf.	SST (S of 34°27')	SST	1.10	0.26	0.26	1.36	1.36
2014	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.04	0.04	0.04	0.04
2014	CS – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.38	0.38	0.38	0.38
2014	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2014	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Blue shark	0.00	0.02	0.02	0.02	0.02
2014	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	CAking crab	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	CAslickhead	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	1.16	1.16	1.16	1.16
2014	CS – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.43	0.43	0.43	0.43
2014	CS – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.04	0.04	0.04	0.04
2014	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	1.17	1.17	1.17	1.17
2014	CS – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.09	0.09	0.09	0.09
2014	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.04	0.04	0.05	0.05
2014	CS – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	PHLB	0.00	0.32	0.08	0.32	0.08
2014	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.15	1.15	1.15	1.15
2014	CS – Pot	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2014	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.14	0.14	0.14	0.14
2014	CS – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.08	0.08	0.08	0.08
2014	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2014	CS – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.03	0.03	0.03	0.03
2014	CS – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2014	CS – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.71	0.71	0.71	0.71
2014	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	CS – Pot	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.06	0.06	0.06	0.06
2014	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.31	0.31	0.31	0.31
2014	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	4.21	4.21	4.21	4.21
2014	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.42	0.00	0.00	0.42	0.42
2014	Incidental	gf.	Black rf. (CA)	Black rf.	0.04	0.00	0.00	0.04	0.04
2014	Incidental	gf.	Black rf. (OR)	Black rf.	0.30	0.00	0.00	0.30	0.30
2014	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.54	0.00	0.00	0.54	0.54
2014	Incidental	gf.	Cabezon (CA)	Cabezon	0.25	0.00	0.00	0.25	0.25
2014	Incidental	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.14	0.00	0.00	0.14	0.14
2014	Incidental	gf.	Canary rf.	Canary rf.	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	ECS	Grenadier, unid.	1.82	0.00	0.00	1.82	1.82
2014	Incidental	gf.	ECS	Soupfin shark	0.55	0.00	0.00	0.55	0.55
2014	Incidental	gf.	English sole	English sole	0.16	0.00	0.00	0.16	0.16
2014	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	5.14	0.00	0.00	5.14	5.14
2014	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	6.05	0.00	0.00	6.05	6.05
2014	Incidental	gf.	Longnose skate	Longnose skate	0.67	0.00	0.00	0.67	0.67
2014	Incidental	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.04	0.00	0.00	0.04	0.04
2014	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.06	0.00	0.00	0.06	0.06
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.12	0.00	0.00	0.12	0.12
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.07	0.00	0.00	0.07	0.07
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.09	0.00	0.00	0.09	0.09
2014	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2014	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2014	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.12	0.00	0.00	0.12	0.12
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.03	0.00	0.00	0.03	0.03
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.03	0.00	0.00	0.03	0.03
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.87	0.00	0.00	0.87	0.87
2014	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	3.07	0.00	0.00	3.07	3.07
2014	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.21	0.00	0.00	0.21	0.21
2014	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.15	0.00	0.00	0.15	0.15
2014	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2014	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	4.36	0.00	0.00	4.36	4.36
2014	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.89	0.00	0.00	0.89	0.89
2014	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.08	0.00	0.00	0.08	0.08
2014	Incidental	gf.	Other flatfish	Curlfin sole	0.10	0.00	0.00	0.10	0.10
2014	Incidental	gf.	Other flatfish	Flatfish, unid.	2.36	0.00	0.00	2.36	2.36
2014	Incidental	gf.	Other flatfish	Pacific sanddab	0.22	0.00	0.00	0.22	0.22
2014	Incidental	gf.	Other flatfish	Rock sole	0.50	0.00	0.00	0.50	0.50
2014	Incidental	gf.	Other flatfish	Sand sole	1.43	0.00	0.00	1.43	1.43
2014	Incidental	gf.	Other flatfish	Sanddab, unid.	1.15	0.00	0.00	1.15	1.15
2014	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	Other gf.	Leopard shark	0.59	0.00	0.00	0.59	0.59
2014	Incidental	gf.	Other rf.	Rockfish, unid.	0.16	0.00	0.00	0.16	0.16
2014	Incidental	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00

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2014	Incidental	gf.	Petrale sole	Petrale sole	0.43	0.00	0.00	0.43	0.43
2014	Incidental	gf.	Sablefish (N of 36°)	Sablefish	20.24	0.00	0.00	20.24	20.24
2014	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.24	0.00	0.00	0.24	0.24
2014	Incidental	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	gf.	SST (N of 34°27')	SST	0.58	0.00	0.00	0.58	0.58
2014	Incidental	gf.	SST (S of 34°27')	SST	0.10	0.00	0.00	0.10	0.10
2014	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2014	Incidental	gf.	Starry flounder	Starry flounder	1.75	0.00	0.00	1.75	1.75
2014	Incidental	gf.	Widow rf.	Widow rf.	0.39	0.00	0.00	0.39	0.39
2014	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2014	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	3.19	0.00	0.00	3.19	3.19
2014	Incidental	ngf.	CA halibut	CAhalibut	95.07	0.00	0.00	95.07	95.07
2014	Incidental	ngf.	Dungeness crab	Dungeness crab	18121.67	0.00	0.00	18121.67	18121.67
2014	Incidental	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2014	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	1.30	0.00	0.00	1.30	1.30
2014	Incidental	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Other ngf.	Albacore tuna	12359.59	0.00	0.00	12359.59	12359.59
2014	Incidental	ngf.	Other ngf.	American shad	6.27	0.00	0.00	6.27	6.27
2014	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	166.22	0.00	0.00	166.22	166.22
2014	Incidental	ngf.	Other ngf.	Basket cockle	84.91	0.00	0.00	84.91	84.91
2014	Incidental	ngf.	Other ngf.	Bat ray	3.17	0.00	0.00	3.17	3.17
2014	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.33	0.00	0.00	1.33	1.33
2014	Incidental	ngf.	Other ngf.	Bigeye tuna	72.99	0.00	0.00	72.99	72.99
2014	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.83	0.00	0.00	0.83	0.83
2014	Incidental	ngf.	Other ngf.	Bluefin tuna	407.95	0.00	0.00	407.95	407.95
2014	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	18.33	0.00	0.00	18.33	18.33
2014	Incidental	ngf.	Other ngf.	Butter clam	8.55	0.00	0.00	8.55	8.55
2014	Incidental	ngf.	Other ngf.	CAbarracuda	3.75	0.00	0.00	3.75	3.75
2014	Incidental	ngf.	Other ngf.	CAmussel	0.12	0.00	0.00	0.12	0.12
2014	Incidental	ngf.	Other ngf.	CAsheephead	0.33	0.00	0.00	0.33	0.33
2014	Incidental	ngf.	Other ngf.	CAspiny lobster	424.55	0.00	0.00	424.55	424.55
2014	Incidental	ngf.	Other ngf.	Common thresher shark	39.89	0.00	0.00	39.89	39.89
2014	Incidental	ngf.	Other ngf.	Crab, unid.	47.82	0.00	0.00	47.82	47.82
2014	Incidental	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Other ngf.	Dorado	3.46	0.00	0.00	3.46	3.46
2014	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.01	0.00	0.00	0.01	0.01

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2014	Incidental	ngf.	Other ngf.	Eel, unid.	2.74	0.00	0.00	2.74	2.74
2014	Incidental	ngf.	Other ngf.	Gaper clam	60.18	0.00	0.00	60.18	60.18
2014	Incidental	ngf.	Other ngf.	Ghost shrimp	21.22	0.00	0.00	21.22	21.22
2014	Incidental	ngf.	Other ngf.	Giant sea bass	1.30	0.00	0.00	1.30	1.30
2014	Incidental	ngf.	Other ngf.	Golden prawn	0.40	0.00	0.00	0.40	0.40
2014	Incidental	ngf.	Other ngf.	Hagfish, unid.	2142.46	0.00	0.00	2142.46	2142.46
2014	Incidental	ngf.	Other ngf.	Jack mackerel	1545.56	0.00	0.00	1545.56	1545.56
2014	Incidental	ngf.	Other ngf.	King crab, unid.	5.45	0.00	0.00	5.45	5.45
2014	Incidental	ngf.	Other ngf.	Mackerel, unid.	5.47	0.00	0.00	5.47	5.47
2014	Incidental	ngf.	Other ngf.	Market squid	104093.59	0.00	0.00	104093.59	104093.59
2014	Incidental	ngf.	Other ngf.	Mixed species	72.75	0.00	0.00	72.75	72.75
2014	Incidental	ngf.	Other ngf.	Mollusc, unid.	38.13	0.00	0.00	38.13	38.13
2014	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.08	0.00	0.00	0.08	0.08
2014	Incidental	ngf.	Other ngf.	Mud shrimp	0.40	0.00	0.00	0.40	0.40
2014	Incidental	ngf.	Other ngf.	Native littleneck clam	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Other ngf.	Northern anchovy	10591.96	0.00	0.00	10591.96	10591.96
2014	Incidental	ngf.	Other ngf.	Octopus, unid.	3.00	0.00	0.00	3.00	3.00
2014	Incidental	ngf.	Other ngf.	Pacific angel shark	7.37	0.00	0.00	7.37	7.37
2014	Incidental	ngf.	Other ngf.	Pacific bonito	32.13	0.00	0.00	32.13	32.13
2014	Incidental	ngf.	Other ngf.	Pacific herring	2951.35	0.00	0.00	2951.35	2951.35
2014	Incidental	ngf.	Other ngf.	Pacific mackerel	7127.28	0.00	0.00	7127.28	7127.28
2014	Incidental	ngf.	Other ngf.	Pacific sardine	22743.47	0.00	0.00	22743.47	22743.47
2014	Incidental	ngf.	Other ngf.	Pacific tomcod	0.36	0.00	0.00	0.36	0.36
2014	Incidental	ngf.	Other ngf.	Pelagic thresher shark	6.29	0.00	0.00	6.29	6.29
2014	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.14	0.00	0.00	0.14	0.14
2014	Incidental	ngf.	Other ngf.	Razor clam	145.27	0.00	0.00	145.27	145.27
2014	Incidental	ngf.	Other ngf.	Red rock crab	1007.27	0.00	0.00	1007.27	1007.27
2014	Incidental	ngf.	Other ngf.	Red urchin	5601.39	0.00	0.00	5601.39	5601.39
2014	Incidental	ngf.	Other ngf.	Ridgeback prawn	4.19	0.00	0.00	4.19	4.19
2014	Incidental	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2014	Incidental	ngf.	Other ngf.	Sculpin, unid.	0.59	0.00	0.00	0.59	0.59
2014	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	92.67	0.00	0.00	92.67	92.67
2014	Incidental	ngf.	Other ngf.	Shark, unid.	0.32	0.00	0.00	0.32	0.32
2014	Incidental	ngf.	Other ngf.	Shrimp, unid.	42.33	0.00	0.00	42.33	42.33
2014	Incidental	ngf.	Other ngf.	Skate, unid.	4.77	0.00	0.00	4.77	4.77
2014	Incidental	ngf.	Other ngf.	Skipjack tuna	18.83	0.00	0.00	18.83	18.83
2014	Incidental	ngf.	Other ngf.	Spot prawn	199.90	0.00	0.00	199.90	199.90
2014	Incidental	ngf.	Other ngf.	Squid, unid.	0.07	0.00	0.00	0.07	0.07
2014	Incidental	ngf.	Other ngf.	Surfperch, unid.	12.17	0.00	0.00	12.17	12.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Incidental	ngf.	Other ngf.	Swordfish	425.14	0.00	0.00	425.14	425.14
2014	Incidental	ngf.	Other ngf.	Tuna, unid.	0.23	0.00	0.00	0.23	0.23
2014	Incidental	ngf.	Other ngf.	Urchin, unid.	1.78	0.00	0.00	1.78	1.78
2014	Incidental	ngf.	Other ngf.	White croaker	4.96	0.00	0.00	4.96	4.96
2014	Incidental	ngf.	Other ngf.	White sea bass	122.73	0.00	0.00	122.73	122.73
2014	Incidental	ngf.	Other ngf.	Wolf-eel	0.01	0.00	0.00	0.01	0.01
2014	Incidental	ngf.	Other ngf.	Yellowfin tuna	1000.75	0.00	0.00	1000.75	1000.75
2014	Incidental	ngf.	Other ngf.	Yellowtail amberjack	19.05	0.00	0.00	19.05	19.05
2014	Incidental	ngf.	Shared ECS	Smelt, unid.	253.75	0.00	0.00	253.75	253.75
2014	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	0.00	0.00	0.07	0.07
2014	LE FG DTL – H&L	gf.	Big skate	Big skate	0.00	0.28	0.28	0.28	0.28
2014	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.80	0.00	0.00	1.80	1.80
2014	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.70	0.00	0.00	0.70	0.70
2014	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.89	1.14	1.14	2.03	2.03
2014	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	12.28	12.28	12.28	12.28
2014	LE FG DTL – H&L	gf.	ECS	CAgrenadier	0.00	0.31	0.31	0.31	0.31
2014	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	1.03	1.03	1.03	1.03
2014	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	6.16	6.16	6.16	6.16
2014	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	16.22	0.22	0.22	16.43	16.43
2014	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	1.22	1.22	1.22	1.22
2014	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	35.07	35.07	35.07	35.07
2014	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.31	0.31	0.31	0.31
2014	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.11	0.00	0.00	0.11	0.11
2014	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.19	0.19	0.19	0.19
2014	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.38	0.00	0.00	0.38	0.38
2014	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.65	0.06	0.00	0.72	0.66
2014	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	3.96	22.78	11.39	26.74	15.35
2014	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	2.19	3.99	3.99	6.18	6.18
2014	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	17.45	2.56	2.56	20.01	20.01
2014	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.03	0.00	0.00	0.03	0.03
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.11	0.00	0.00	0.11	0.11
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.02	0.00	0.00	0.02	0.02
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.03	0.00	0.00	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.40	0.00	0.00	0.40	0.40
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.25	0.00	0.00	0.25	0.25
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.27	0.00	0.00	0.27	0.27
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.16	0.00	0.00	0.16	0.16
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.12	0.00	0.00	0.12	0.12
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.56	0.00	0.00	0.56	0.56
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	3.86	0.00	0.00	3.86	3.86
2014	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.07	0.10	0.10	0.17	0.17
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.50	0.00	0.00	1.50	1.50
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.14	0.00	0.00	1.14	1.14
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.25	0.00	0.00	0.25	0.25
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.23	0.00	0.00	0.23	0.23
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.23	0.00	0.00	0.23	0.23
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	14.27	0.00	0.00	14.27	14.27
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.23	0.00	0.00	0.23	0.23
2014	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	2.65	0.00	0.00	2.65	2.65
2014	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.23	0.00	0.00	0.23	0.23
2014	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.86	0.00	0.00	0.86	0.86
2014	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.03	0.00	0.00	0.03	0.03
2014	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.14	0.20	0.20	0.34	0.34
2014	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	128.39	18.12	3.62	146.52	132.02
2014	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	409.11	31.74	6.35	440.86	415.46
2014	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	30.17	0.97	0.97	31.14	31.14
2014	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	78.33	9.62	9.62	87.95	87.95

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	4.88	4.38	2.19	9.25	7.06
2014	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.14	0.00	0.00	0.14	0.14
2014	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.34	0.00	0.00	0.34	0.34
2014	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	CA halibut	CAhalibut	0.02	0.00	0.00	0.02	0.02
2014	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.04	0.04	0.04	0.04
2014	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.21	0.21	0.21	0.21
2014	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.34	0.34	0.34	0.34
2014	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	1.92	1.92	1.92	1.92
2014	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.20	0.00	0.00	0.20	0.20
2014	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	7.10	7.10	7.10	7.10
2014	LE FG DTL – H&L	ngf.	Other ngf.	CAbarracuda	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.78	0.78	0.78	0.78
2014	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Dorado	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.73	0.73	0.73	0.73
2014	LE FG DTL – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.31	0.31	0.31	0.31
2014	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.17	0.17	0.17	0.17
2014	LE FG DTL – H&L	ngf.	Other ngf.	Jack mackerel	0.08	0.00	0.00	0.08	0.08
2014	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	2.72	2.72	2.72	2.72
2014	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.26	0.04	0.04	0.31	0.31
2014	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.62	0.00	0.00	0.62	0.62
2014	LE FG DTL – H&L	ngf.	Other ngf.	Northern anchovy	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.15	0.15	0.16	0.16
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.87	0.87	0.87	0.87
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.07	0.07	0.07	0.07
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.40	0.00	0.00	0.40	0.40
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sardine	0.03	0.00	0.00	0.03	0.03
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	55.62	55.62	55.62	55.62
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pacific tomcod	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.69	0.69	0.69	0.69
2014	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.44	0.44	0.44	0.44

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2014	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.75	0.75	0.75	0.75
2014	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.57	2.19	2.19	2.76	2.76
2014	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	0.97	0.09	0.09	1.07	1.07
2014	LE FG DTL – H&L	ngf.	Other ngf.	Skipjack tuna	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Soft coral	0.00	0.02	0.02	0.02	0.02
2014	LE FG DTL – H&L	ngf.	Other ngf.	Spiky king crab	0.00	0.05	0.05	0.05	0.05
2014	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	4.27	4.27	4.27	4.27
2014	LE FG DTL – H&L	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – H&L	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.52	0.00	0.00	0.52	0.52
2014	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.29	0.00	0.00	0.29	0.29
2014	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.07	0.07	0.07	0.07
2014	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.02	0.02	0.02	0.02
2014	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.01	0.01	0.01	0.01
2014	LE FG DTL – Pot	gf.	ECS	Giant grenadier	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2014	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	4.00	0.36	0.07	4.35	4.07
2014	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2014	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.58	0.00	0.00	0.59	0.59
2014	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.94	18.38	18.38	19.33	19.33
2014	LE Sablefish – H&L	gf.	Big skate	Big skate	0.00	3.05	3.05	3.05	3.05
2014	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.15	0.01	0.01	0.17	0.17
2014	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.09	0.00	0.00	0.09	0.09
2014	LE Sablefish – H&L	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.71	0.52	0.52	2.24	2.24
2014	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.52	0.59	0.59	2.11	2.11
2014	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.11	0.11	0.11	0.11
2014	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.83	0.83	0.83	0.83
2014	LE Sablefish – H&L	gf.	ECS	CAgrenadier	0.00	0.15	0.15	0.15	0.15
2014	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	2.15	2.15	2.15	2.15
2014	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	6.60	0.00	0.00	6.60	6.60
2014	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.21	0.21	0.21	0.21
2014	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	2.56	2.56	2.56	2.56
2014	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	0.59	0.59	0.59	0.59
2014	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.00	1.09	1.09	1.09	1.09
2014	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	1.36	1.36	1.36	1.36
2014	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	2.37	1.61	0.11	3.98	2.48
2014	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.09	0.01	0.00	0.10	0.09
2014	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	16.42	33.88	16.94	50.30	33.36
2014	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.27	0.01	0.01	0.28	0.28
2014	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.25	0.00	0.00	0.25	0.25
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.21	0.21	0.21	0.21
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.16	0.16	0.18	0.18
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.16	0.00	0.00	0.16	0.16
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.46	0.04	0.04	0.50	0.50
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.04	0.00	0.00	0.04	0.04
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.08	0.08	0.11	0.11
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.44	0.81	0.81	1.26	1.26
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	10.33	2.32	2.32	12.65	12.65
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	16.89	9.82	9.82	26.71	26.71
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	2.80	0.70	0.70	3.50	3.50
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.06	0.06	0.06	0.06
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.60	0.00	0.00	0.60	0.60
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.01	0.01	0.04	0.04
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.54	0.00	0.00	0.54	0.54
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	4.72	8.76	8.76	13.48	13.48
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.34	0.01	0.01	0.35	0.35
2014	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	2.49	0.02	0.02	2.52	2.52
2014	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	1.03	0.00	0.00	1.03	1.03
2014	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	0.76	0.28	0.28	1.04	1.04
2014	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.02	0.08	0.08	0.11	0.11
2014	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.15	0.00	0.00	0.15	0.15
2014	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.17	0.10	0.10	0.28	0.28
2014	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	722.85	110.68	22.14	833.52	744.98
2014	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	24.28	0.00	0.00	24.28	24.28
2014	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	16.98	2.42	2.42	19.40	19.40
2014	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	1.74	0.00	0.00	1.74	1.74
2014	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	13.99	140.63	70.31	154.62	84.30
2014	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2014	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.03	0.01	0.01	0.04	0.04
2014	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.45	0.45	0.45	0.45
2014	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.22	0.29	0.29	0.51	0.51
2014	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	5.68	5.68	5.68	5.68
2014	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.68	0.68	0.68	0.68
2014	LE Sablefish – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – H&L	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.20	0.20	0.20	0.20
2014	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.11	0.11	0.11	0.11
2014	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.09	0.00	0.00	0.09	0.09
2014	LE Sablefish – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	6.68	172.76	29.79	179.43	36.47
2014	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	2.50	2.50	2.50	2.50
2014	LE Sablefish – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	5.14	5.14	5.14	5.14
2014	LE Sablefish – H&L	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.64	0.64	0.64	0.64
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	0.38	0.38	0.38	0.38
2014	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	8.31	0.02	0.02	8.33	8.33
2014	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – H&L	ngf.	Other ngf.	Threadfin slickhead	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.24	3.27	3.27	3.51	3.51

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE Sablefish – Pot	gf.	Canary rf.	Canary rf.	0.00	0.03	0.03	0.03	0.03
2014	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.05	0.05	0.10	0.10
2014	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.05	0.75	0.75	0.80	0.80
2014	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	4.00	4.00	4.00	4.00
2014	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.07	0.00	0.00	0.07	0.07
2014	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	2.13	2.13	2.13	2.13
2014	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.10	2.42	2.42	3.52	3.52
2014	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2014	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.02	0.02	0.02	0.02
2014	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.06	0.02	0.02	0.08	0.08
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.06	0.00	0.00	0.06	0.06
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.11	0.00	0.00	0.11	0.11
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.41	0.00	0.00	0.41	0.41
2014	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.19	0.00	0.00	0.19	0.19
2014	LE Sablefish – Pot	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Other flatfish	Flathead sole	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	gf.	Pacific hake	Pacific hake	0.00	0.04	0.04	0.04	0.04
2014	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	338.09	86.96	17.39	425.05	355.48
2014	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.08	0.07	0.07	0.15	0.15
2014	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.20	0.45	0.45	0.65	0.65
2014	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.03	0.03	0.03	0.03
2014	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.84	0.84	0.84	0.84
2014	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.12	0.12	0.12	0.12
2014	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.27	0.27	0.27	0.27
2014	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.10	0.00	0.00	0.10	0.10
2014	LE Sablefish – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.13	0.13	0.13	0.13
2014	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	2.03	0.37	2.03	0.37
2014	LE Sablefish – Pot	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.07	0.07	0.07	0.07
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.39	0.39	0.39	0.39
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.20	0.20	0.20	0.20
2014	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	8.01	8.01	8.01	8.01
2014	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	8.12	8.12	8.12	8.12
2014	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.03	1.03	1.03	1.03
2014	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.06	0.00	0.00	0.06	0.06
2014	Nearshore	gf.	Big skate	Big skate	0.00	0.02	0.00	0.02	0.00
2014	Nearshore	gf.	Black rf. (CA)	Black rf.	40.55	3.93	1.97	44.48	42.52

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Nearshore	gf.	Black rf. (CA)	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Black rf. (OR)	Black rf.	121.40	4.49	1.07	125.89	122.47
2014	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.11	0.00	0.00	1.11	1.11
2014	Nearshore	gf.	Cabezon (CA)	Cabezon	31.20	9.19	0.64	40.39	31.84
2014	Nearshore	gf.	Cabezon (OR)	Cabezon	15.38	0.92	0.06	16.30	15.44
2014	Nearshore	gf.	CA scorpionfish (N of 34°27')	CAscorpionfish	0.00	0.02	0.00	0.02	0.00
2014	Nearshore	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	1.03	23.64	1.65	24.67	2.68
2014	Nearshore	gf.	Canary rf.	Canary rf.	0.00	9.37	6.05	9.37	6.05
2014	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.15	0.00	0.00	0.15	0.15
2014	Nearshore	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2014	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	ECS	CAskate	0.00	0.06	0.00	0.06	0.00
2014	Nearshore	gf.	ECS	Grenadier, unid.	0.05	0.00	0.00	0.05	0.05
2014	Nearshore	gf.	ECS	Soupfin shark	0.49	0.07	0.01	0.56	0.49
2014	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.12	0.01	0.12	0.01
2014	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	42.53	26.59	1.86	69.12	44.39
2014	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	32.01	27.58	1.93	59.59	33.95
2014	Nearshore	gf.	Longnose skate	Longnose skate	0.19	0.00	0.00	0.19	0.19
2014	Nearshore	gf.	LST (S of 34°27')	LST	0.07	0.00	0.00	0.07	0.07
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.07	0.00	0.00	0.07	0.07
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	5.29	4.90	1.68	10.18	6.96
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	4.48	0.39	0.10	4.87	4.58
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.13	0.02	0.01	1.15	1.14
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.03	0.00	0.00	0.03	0.03
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.16	0.02	0.01	0.18	0.16
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	1.55	0.09	0.03	1.64	1.58
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	13.52	0.73	0.39	14.25	13.91
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	4.93	2.21	1.41	7.14	6.34
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	26.24	3.75	2.20	29.98	28.43
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.02	0.01	0.02	0.01
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.58	0.47	0.30	2.05	1.88
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	6.82	0.25	0.16	7.07	6.97
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	22.66	3.83	2.45	26.49	25.11
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	11.16	0.06	0.04	11.22	11.20
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.77	0.40	0.21	1.17	0.98
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.09	0.00	0.00	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.78	0.68	0.51	1.46	1.29
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.24	0.00	0.00	0.24	0.24
2014	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	2.10	1.05	0.60	3.16	2.70
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Puget Sound rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.30	0.00	0.00	0.30	0.30
2014	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	2.57	0.03	0.01	2.60	2.58
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.06	0.00	0.00	0.06	0.06
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.06	0.00	0.00	0.06	0.06
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.01	0.01	0.02	0.02
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.27	0.00	0.00	1.27	1.27
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.18	0.00	0.00	0.18	0.18
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.04	0.00	0.00	0.04	0.04
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	9.62	0.06	0.04	9.68	9.66
2014	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.64	0.07	0.04	0.72	0.69
2014	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.19	0.00	0.00	0.19	0.19
2014	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.64	0.00	0.00	0.64	0.64
2014	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.11	0.00	0.00	0.11	0.11
2014	Nearshore	gf.	Other flatfish	Butter sole	0.02	0.00	0.00	0.02	0.02
2014	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.03	0.00	0.05	0.03
2014	Nearshore	gf.	Other flatfish	Pacific sanddab	1.73	1.46	0.10	3.19	1.83
2014	Nearshore	gf.	Other flatfish	Rock sole	0.06	0.05	0.00	0.11	0.06
2014	Nearshore	gf.	Other flatfish	Sand sole	0.25	0.00	0.00	0.25	0.25
2014	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	gf.	Other gf.	Kelp greenling (CA)	4.70	0.53	0.04	5.23	4.74
2014	Nearshore	gf.	Other gf.	Kelp greenling (OR)	15.40	6.16	0.43	21.56	15.83
2014	Nearshore	gf.	Other gf.	Leopard shark	0.42	0.20	0.01	0.62	0.44
2014	Nearshore	gf.	Other rf.	Rockfish, unid.	1.04	0.00	0.00	1.04	1.04
2014	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.04	0.00	0.04	0.01
2014	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	1.41	0.00	0.00	1.41	1.41

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	12.89	0.00	0.00	12.89	12.89
2014	Nearshore	gf.	SST (N of 34°27')	SST	0.11	0.00	0.00	0.11	0.11
2014	Nearshore	gf.	SST (S of 34°27')	SST	1.46	0.00	0.00	1.46	1.46
2014	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.75	0.05	0.76	0.06
2014	Nearshore	gf.	Starry flounder	Starry flounder	0.10	0.00	0.00	0.10	0.10
2014	Nearshore	gf.	Widow rf.	Widow rf.	0.19	0.01	0.01	0.20	0.19
2014	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.43	0.73	1.43	0.73
2014	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.23	1.08	0.25	2.31	1.48
2014	Nearshore	ngf.	CA halibut	CAhalibut	0.77	0.00	0.00	0.77	0.77
2014	Nearshore	ngf.	Dungeness crab	Dungeness crab	3.35	0.17	0.17	3.51	3.51
2014	Nearshore	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Amiphpod, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.10	0.10	0.10	0.10
2014	Nearshore	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	6.01	6.01	6.01	6.01
2014	Nearshore	ngf.	Other ngf.	Bass, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Bat ray	0.15	0.24	0.24	0.39	0.39
2014	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Black croaker	0.00	0.03	0.03	0.03	0.03
2014	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	20.29	20.29	20.29	20.29
2014	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.18	0.18	0.18	0.18
2014	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.02	0.02	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.08	0.08	0.08	0.08
2014	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.36	0.36	0.36	0.36
2014	Nearshore	ngf.	Other ngf.	CAbarracuda	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	CAlizardfish	0.00	0.02	0.02	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	CAmoray	0.00	0.37	0.37	0.37	0.37
2014	Nearshore	ngf.	Other ngf.	CAsheephead	37.03	39.54	39.54	76.57	76.57
2014	Nearshore	ngf.	Other ngf.	CAspiny lobster	7.50	0.00	0.00	7.50	7.50
2014	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.09	0.09	0.09	0.09
2014	Nearshore	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Crab, unid.	2.92	0.00	0.00	2.92	2.92
2014	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Eel, unid.	0.04	0.00	0.00	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.39	0.39	0.39	0.39
2014	Nearshore	ngf.	Other ngf.	Graceful crab	0.00	0.11	0.11	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Nearshore	ngf.	Other ngf.	Grunt sculpin	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.03	0.03	0.03	0.03
2014	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	43.79	43.79	43.79	43.79
2014	Nearshore	ngf.	Other ngf.	Kelpfish, unid.	0.00	0.04	0.04	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2014	Nearshore	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Mixed species	1.63	0.00	0.00	1.63	1.63
2014	Nearshore	ngf.	Other ngf.	Mollusc, unid.	1.08	0.00	0.00	1.08	1.08
2014	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.04	0.00	0.00	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.04	0.04	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.12	0.12	0.12	0.12
2014	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.16	0.26	0.26	0.42	0.42
2014	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.17	0.17	0.17	0.17
2014	Nearshore	ngf.	Other ngf.	Pacific bonito	0.08	0.00	0.00	0.08	0.08
2014	Nearshore	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	PHLB	0.00	0.95	0.95	0.95	0.95
2014	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.06	0.00	0.00	0.06	0.06
2014	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.31	0.31	0.31	0.31
2014	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.02	0.02	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	Poacher, unid.	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.31	0.31	0.31	0.31
2014	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.45	0.45	0.45	0.45
2014	Nearshore	ngf.	Other ngf.	Red rock crab	65.42	0.14	0.14	65.57	65.57
2014	Nearshore	ngf.	Other ngf.	Rock greenling	0.31	0.00	0.00	0.31	0.31
2014	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.04	0.04	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.17	0.17	0.17	0.17
2014	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.05	0.05	0.05	0.05
2014	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.06	0.34	0.34	0.40	0.40
2014	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.06	0.37	0.37	0.43	0.43
2014	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.04	0.04	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	3.65	3.65	3.65	3.65
2014	Nearshore	ngf.	Other ngf.	Shark, unid.	1.38	0.00	0.00	1.38	1.38
2014	Nearshore	ngf.	Other ngf.	Silver surfperch	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Nearshore	ngf.	Other ngf.	Skate, unid.	0.10	0.00	0.00	0.10	0.10
2014	Nearshore	ngf.	Other ngf.	Skipjack tuna	0.03	0.00	0.00	0.03	0.03
2014	Nearshore	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Spot prawn	1.99	0.00	0.00	1.99	1.99
2014	Nearshore	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.01	0.01	0.01	0.01
2014	Nearshore	ngf.	Other ngf.	Starry skate	0.00	1.07	1.07	1.07	1.07
2014	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.16	0.16	0.16	0.16
2014	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.13	0.04	0.04	0.18	0.18
2014	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.76	0.76	0.76	0.76
2014	Nearshore	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Walleye surfperch	0.00	0.02	0.02	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	White croaker	0.01	0.03	0.03	0.04	0.04
2014	Nearshore	ngf.	Other ngf.	White sea bass	0.19	0.00	0.00	0.19	0.19
2014	Nearshore	ngf.	Other ngf.	Wolf-eel	0.03	0.21	0.21	0.25	0.25
2014	Nearshore	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Other ngf.	Yellow rock crab	0.00	0.02	0.02	0.02	0.02
2014	Nearshore	ngf.	Other ngf.	Yellowfin tuna	0.07	0.00	0.00	0.07	0.07
2014	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.01	0.00	0.00	0.01	0.01
2014	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.03	0.00	0.00	0.03	0.03
2014	OA CA Halibut	gf.	Big skate	Big skate	0.00	15.22	7.61	15.22	7.61
2014	OA CA Halibut	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.03	0.03	0.03	0.03
2014	OA CA Halibut	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2014	OA CA Halibut	gf.	ECS	CAskate	0.00	0.73	0.73	0.73	0.73
2014	OA CA Halibut	gf.	ECS	Soupfin shark	0.19	0.04	0.04	0.23	0.23
2014	OA CA Halibut	gf.	English sole	English sole	0.08	0.22	0.22	0.30	0.30
2014	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.05	0.00	0.00	0.05	0.05
2014	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.01	0.00	0.00	0.02	0.02
2014	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2014	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.21	0.52	0.52	0.73	0.73
2014	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	1.28	0.02	0.02	1.30	1.30
2014	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.01	0.23	0.23	0.24	0.24
2014	OA CA Halibut	gf.	Other flatfish	Rock sole	0.04	0.00	0.00	0.04	0.04
2014	OA CA Halibut	gf.	Other flatfish	Sand sole	11.41	1.21	1.21	12.62	12.62
2014	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.10	0.00	0.00	0.10	0.10
2014	OA CA Halibut	gf.	Other gf.	Leopard shark	0.26	0.35	0.35	0.61	0.61

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA CA Halibut	gf.	Petrale sole	Petrale sole	0.10	0.00	0.00	0.10	0.10
2014	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	5.68	5.68	5.68	5.68
2014	OA CA Halibut	gf.	Starry flounder	Starry flounder	5.72	0.13	0.13	5.85	5.85
2014	OA CA Halibut	ngf.	CA halibut	CAhalibut	81.44	6.00	6.00	87.45	87.45
2014	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.44	259.13	259.13	259.57	259.57
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.11	0.00	0.00	0.11	0.11
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.01	0.47	0.47	0.48	0.48
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.07	0.07	0.07	0.07
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.28	0.08	0.08	0.36	0.36
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.20	0.20	0.20	0.20
2014	OA CA Halibut	ngf.	Non-FMP flatfish	Spotted turbot	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.09	0.09	0.09	0.09
2014	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.07	0.07	0.07	0.07
2014	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	1.32	1.32	1.32	1.32
2014	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	22.00	22.00	22.00	22.00
2014	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	1.96	1.96	1.96	1.96
2014	OA CA Halibut	ngf.	Other ngf.	CAbarracuda	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	CAlizardfish	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	CAtonguefish	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.02	0.57	0.57	0.59	0.59
2014	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.09	0.00	0.00	0.09	0.09
2014	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.30	0.30	0.30	0.30
2014	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	1.01	1.01	1.01	1.01
2014	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	3.89	3.89	3.89	3.89
2014	OA CA Halibut	ngf.	Other ngf.	Kelp bass	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Mantis shrimp	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Masking crab	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.03	0.03	0.03	0.03
2014	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.01	0.06	0.06	0.07	0.07
2014	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	0.53	0.13	0.13	0.66	0.66
2014	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.03	0.03	0.03	0.03
2014	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	0.90	0.90	0.90	0.90
2014	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.15	0.15	0.15	0.15
2014	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.01	0.00	0.00	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.05	0.05	0.05	0.05
2014	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	2.56	2.56	2.57	2.57
2014	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.03	0.00	0.00	0.03	0.03
2014	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.04	0.04	0.04	0.04
2014	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.28	0.01	0.01	0.29	0.29
2014	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.06	0.06	0.06	0.06
2014	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.15	0.15	0.15	0.15
2014	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.01	2.66	2.66	2.67	2.67
2014	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.18	0.18	0.18	0.18
2014	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.15	0.04	0.04	0.19	0.19
2014	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.48	0.39	0.39	0.87	0.87
2014	OA CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.02	0.02	0.02	0.02
2014	OA CA Halibut	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.48	0.48	0.48	0.48
2014	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.23	0.23	0.23	0.23
2014	OA CA Halibut	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Other ngf.	White croaker	0.01	0.27	0.27	0.28	0.28
2014	OA CA Halibut	ngf.	Other ngf.	White sea bass	0.97	0.20	0.20	1.17	1.17
2014	OA CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.41	0.41	0.41	0.41
2014	OA CA Halibut	ngf.	Other ngf.	Xantus swimming crab	0.00	0.01	0.01	0.01	0.01
2014	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA CA Halibut	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA CA Halibut	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.06	6.10	6.10	6.16	6.16
2014	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2014	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.23	0.00	0.00	0.23	0.23
2014	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.74	0.00	0.00	2.74	2.74
2014	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.20	0.05	0.05	0.25	0.25
2014	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.71	0.00	0.00	0.71	0.71
2014	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.16	2.52	2.52	2.68	2.68
2014	OA FG – H&L	gf.	Dover sole	Dover sole	0.09	0.22	0.22	0.30	0.30
2014	OA FG – H&L	gf.	ECS	Black skate	0.00	2.40	2.40	2.40	2.40
2014	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	3.42	3.42	3.42	3.42
2014	OA FG – H&L	gf.	ECS	Grenadier, unid.	6.04	0.00	0.00	6.04	6.04
2014	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.15	0.15	0.15	0.15
2014	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	8.85	8.85	8.85	8.85
2014	OA FG – H&L	gf.	ECS	Soupfin shark	0.05	0.00	0.00	0.05	0.05
2014	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.36	0.36	0.36	0.36
2014	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	17.15	0.20	0.01	17.35	17.17
2014	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	24.44	0.21	0.01	24.66	24.46
2014	OA FG – H&L	gf.	Longnose skate	Longnose skate	1.48	1.87	0.94	3.36	2.42
2014	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.03	0.27	0.27	0.30	0.30
2014	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.43	0.04	0.04	0.47	0.47
2014	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.03	0.00	0.00	0.03	0.03
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.05	0.00	0.00	0.05	0.05
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.02	0.02
2014	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.11	0.00	0.00	0.11	0.11
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.69	0.00	0.00	0.69	0.69
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.35	0.00	0.00	0.35	0.35
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.20	0.00	0.00	0.20	0.20
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	11.08	0.00	0.00	11.08	11.08
2014	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.36	0.00	0.00	1.36	1.36
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.36	0.16	0.16	0.52	0.52
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.38	0.08	0.08	0.46	0.46
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.02	0.02
2014	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.10	0.00	0.00	0.10	0.10
2014	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.83	0.33	0.33	3.16	3.16
2014	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.15	0.00	0.00	0.15	0.15
2014	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.01	0.01	0.01	0.01
2014	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.92	0.00	0.00	0.92	0.92
2014	OA FG – H&L	gf.	Other flatfish	Rock sole	0.01	0.02	0.02	0.03	0.03
2014	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	7.30	0.00	0.00	7.30	7.30
2014	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	gf.	Other gf.	Leopard shark	1.40	0.00	0.00	1.40	1.40
2014	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	1.13	0.00	0.00	1.13	1.13
2014	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.06	0.00	0.00	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.01	0.09	0.09	0.10	0.10
2014	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.01	0.09	0.09	0.10	0.10
2014	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2014	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	109.30	33.11	6.62	142.41	115.92
2014	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	24.00	0.00	0.00	24.00	24.00
2014	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.25	2.08	2.08	2.32	2.32
2014	OA FG – H&L	gf.	SST (S of 34°27')	SST	2.03	0.36	0.36	2.38	2.38
2014	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.09	0.72	0.36	0.82	0.45
2014	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.27	0.00	0.00	0.27	0.27
2014	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.14	0.00	0.00	0.14	0.14
2014	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.61	0.00	0.00	0.61	0.61
2014	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.07	0.07	0.07	0.07
2014	OA FG – H&L	ngf.	CA halibut	CAhalibut	0.90	0.00	0.00	0.90	0.90
2014	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.04	0.04	0.04	0.04
2014	OA FG – H&L	ngf.	Other ngf.	Blob sculpin	0.00	0.09	0.09	0.09	0.09
2014	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.00	0.38	0.38	0.38	0.38
2014	OA FG – H&L	ngf.	Other ngf.	Bluefin tuna	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.10	0.10	0.10	0.10
2014	OA FG – H&L	ngf.	Other ngf.	CAbarracuda	0.02	0.00	0.00	0.02	0.02
2014	OA FG – H&L	ngf.	Other ngf.	CAsheephead	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	CAslickhead	0.00	0.52	0.52	0.52	0.52
2014	OA FG – H&L	ngf.	Other ngf.	Dorado	0.09	0.00	0.00	0.09	0.09
2014	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.03	0.03	0.03	0.03
2014	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.14	0.14	0.14	0.14
2014	OA FG – H&L	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.04	0.00	0.00	0.04	0.04
2014	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.15	0.15	0.15	0.15
2014	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.05	0.00	0.00	0.05	0.05
2014	OA FG – H&L	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.17	0.00	0.00	0.17	0.17
2014	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	3.33	0.33	3.33	0.33
2014	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2014	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	6.06	6.06	6.06	6.06
2014	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.28	0.28	0.28	0.28
2014	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.04	0.00	0.00	0.04	0.04
2014	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.29	0.00	0.00	0.29	0.29
2014	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.36	0.00	0.00	0.36	0.36
2014	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.17	0.00	0.00	0.17	0.17
2014	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.03	0.03	0.03	0.03
2014	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.52	0.52	0.53	0.53
2014	OA FG – Pot	gf.	Dover sole	Dover sole	0.05	0.22	0.22	0.27	0.27
2014	OA FG – Pot	gf.	ECS	Giant grenadier	0.00	0.03	0.03	0.03	0.03
2014	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.00	0.04	0.04	0.04	0.04
2014	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.10	0.10	0.10	0.10
2014	OA FG – Pot	gf.	ECS	Soupfin shark	0.05	0.00	0.00	0.05	0.05
2014	OA FG – Pot	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2014	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.05	0.10	0.10	0.15	0.15
2014	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.08	0.09	0.09	0.17	0.17
2014	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.05	0.00	0.00	0.05	0.05
2014	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.02	0.02	0.02	0.02
2014	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2014	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.18	0.00	0.00	1.18	1.18
2014	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.05	0.05	0.05	0.05
2014	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2014	OA FG – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2014	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	137.78	12.22	2.44	150.00	140.22
2014	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	8.34	0.41	0.08	8.75	8.42

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.01	0.00	0.00	0.01	0.01
2014	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.07	0.07	0.07	0.07
2014	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.01	0.01
2014	OA FG – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	0.95	0.17	0.17	1.11	1.11
2014	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2014	OA FG – Pot	ngf.	Other ngf.	Barred sand bass	0.00	0.05	0.05	0.05	0.05
2014	OA FG – Pot	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.03	0.03	0.03	0.03
2014	OA FG – Pot	ngf.	Other ngf.	CAking crab	0.00	0.10	0.10	0.10	0.10
2014	OA FG – Pot	ngf.	Other ngf.	CAsheephead	0.00	0.05	0.05	0.05	0.05
2014	OA FG – Pot	ngf.	Other ngf.	CAspiny lobster	0.01	0.00	0.00	0.01	0.01
2014	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.05	0.00	0.00	0.06	0.06
2014	OA FG – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	1.12	1.12	1.12	1.12
2014	OA FG – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	0.33	0.01	0.01	0.34	0.34
2014	OA FG – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Kelp bass	0.00	0.23	0.23	0.23	0.23
2014	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.08	0.04	0.04	0.12	0.12
2014	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.05	0.02	0.02	0.06	0.06
2014	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.16	0.03	0.16	0.03
2014	OA FG – Pot	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.81	0.00	0.00	0.81	0.81
2014	OA FG – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2014	OA FG – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.12	0.00	0.00	0.12	0.12
2014	OA FG – Pot	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.12	0.00	0.00	0.12	0.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	OA FG – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Surfperch, unid.	0.03	0.00	0.00	0.03	0.03
2014	OA FG – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2014	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.10	0.10	0.10	0.10
2014	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2014	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.02	0.02	0.02	0.02
2014	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.33	0.00	0.00	0.33	0.33
2014	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2014	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	0.63	0.00	0.00	0.63	0.63
2014	PHLB Derby	gf.	Longnose skate	Longnose skate	0.58	0.00	0.00	0.58	0.58
2014	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2014	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2014	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.21	0.00	0.00	0.21	0.21
2014	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.15	0.00	0.00	0.15	0.15
2014	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2014	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2014	PHLB Derby	gf.	Petrale sole	Petrale sole	0.06	0.00	0.00	0.06	0.06
2014	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	14.44	0.00	0.00	14.44	14.44
2014	PHLB Derby	gf.	SST (N of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2014	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.42	0.00	0.00	0.42	0.42
2014	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	40.58	40.58	40.58	40.58
2014	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.04	0.04	0.04	0.04
2014	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.07	0.07	0.07	0.07
2014	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.77	0.77	0.77	0.77
2014	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	24.60	24.60	24.60	24.60
2014	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	2.32	2.32	2.32	2.32
2014	Pink Shrimp	gf.	ECS	CAskate	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.07	0.07	0.07	0.07
2014	Pink Shrimp	gf.	English sole	English sole	0.00	0.06	0.06	0.06	0.06
2014	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.36	0.36	0.36	0.36
2014	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.51	0.51	0.51	0.51
2014	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	7.34	7.34	7.34	7.34
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.78	0.78	0.78	0.78
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.05	5.46	5.46	5.51	5.51
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	1.63	1.63	1.63	1.63
2014	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.08	0.08	0.08	0.08
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.72	0.72	0.72	0.72
2014	Pink Shrimp	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	8.68	8.68	8.68	8.68
2014	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	2.13	2.13	2.13	2.13
2014	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	5.85	5.85	5.85	5.85
2014	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	21.87	21.87	21.87	21.87
2014	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.66	0.66	0.66	0.66
2014	Pink Shrimp	gf.	Other flatfish	Sand sole	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	gf.	Other flatfish	Sanddab, unid.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.15	0.15	0.15	0.15
2014	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	229.84	229.84	229.84	229.84
2014	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	10.04	10.04	10.04	10.04
2014	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	2.43	2.43	2.44	2.44
2014	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.31	0.31	0.31	0.31
2014	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	8.92	8.92	8.92	8.92
2014	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.16	0.16	0.16	0.16
2014	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.03	0.05	0.05	0.08	0.08
2014	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	127.03	127.03	127.03	127.03
2014	Pink Shrimp	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.10	0.10	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	11.41	11.41	11.41	11.41
2014	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	0.79	0.79	0.79	0.79
2014	Pink Shrimp	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Basketweave cusk-eel	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	2.55	2.55	2.55	2.55
2014	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.18	0.18	0.18	0.18
2014	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.14	0.14	0.14	0.14
2014	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Crustacean, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	13.70	13.70	13.70	13.70
2014	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	2.30	2.30	2.30	2.30
2014	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Herring, unid.	0.00	0.06	0.06	0.06	0.06
2014	Pink Shrimp	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.36	0.36	0.36	0.36
2014	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.92	0.92	0.92	0.92
2014	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.05	0.05	0.05	0.05
2014	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	1.20	1.20	1.20	1.20
2014	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.02	0.02	0.02	0.02
2014	Pink Shrimp	ngf.	Other ngf.	Leaf-like eel	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.06	0.06	0.06	0.06
2014	Pink Shrimp	ngf.	Other ngf.	Northern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.10	0.10	0.10	0.10
2014	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	1.07	1.07	1.07	1.07
2014	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.55	0.55	0.55	0.55

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	21.09	21.09	21.09	21.09
2014	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.20	1.20	1.20	1.20
2014	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.09	0.09	0.09	0.09
2014	Pink Shrimp	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Red brotula	0.00	0.11	0.11	0.11	0.11
2014	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Salp, unid.	0.00	0.12	0.12	0.12	0.12
2014	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.22	0.22	0.22	0.22
2014	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.91	1.91	1.91	1.91
2014	Pink Shrimp	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.71	0.71	0.71	0.71
2014	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.11	0.11	0.11	0.11
2014	Pink Shrimp	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.04	0.04	0.04	0.04
2014	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	1.05	1.05	1.05	1.05
2014	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.05	0.05	0.05	0.05
2014	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.35	0.35	0.35	0.35
2014	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Southern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.04	0.04	0.04	0.04
2014	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	4.39	4.39	4.39	4.39
2014	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.53	0.53	0.53	0.53
2014	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.05	0.05	0.05	0.05
2014	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.31	0.31	0.31	0.31
2014	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.01	0.01	0.01	0.01
2014	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.13	0.13	0.13	0.13
2014	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.03	0.03	0.03	0.03
2014	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	41294.54	0.00	0.00	41294.54	41294.54
2014	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	1501.76	1501.76	1501.76	1501.76

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.17	0.17	0.17	0.17
2014	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	101.11	101.11	101.11	101.11
2014	Pink Shrimp	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	48.55	48.55	48.55	48.55
2014	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2014	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	16.70	16.70	16.70	16.70
2014	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	125.26	125.26	125.26	125.26
2014	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	12.98	12.98
2014	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	2.76	2.76
2014	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	4.24	4.24
2014	Research	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.00	0.00	0.00	0.03	0.03
2014	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	3.71	3.71
2014	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	10.86	10.86
2014	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.22	0.22
2014	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.50	1.50
2014	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	31.49	31.49
2014	Research	gf.	ECS	CAskate	0.00	0.00	0.00	0.29	0.29
2014	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.33	0.33
2014	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	5.10	5.10
2014	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.02	0.02
2014	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	English sole	English sole	0.00	0.00	0.00	5.50	5.50
2014	Research	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	11.10	11.10
2014	Research	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	2.07	2.07
2014	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	7.98	7.98
2014	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	11.08	11.08
2014	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.85	0.85
2014	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.03	0.03
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.05	0.05
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.04	0.04
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.10	0.10
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.06	0.06
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.72	0.72
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.08	0.08
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	2.37	2.37
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.25	0.25
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	1.47	1.47
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.41	0.41
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.03	0.03
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	2.33	2.33
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.09	0.09
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.49	0.49
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.28	0.28
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.65	0.65
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.09	0.09
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.04	0.04
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.23	0.23
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.05	0.05
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.08	0.08
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	1.27	1.27
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	2.86	2.86
2014	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.37	0.37
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.14	0.14
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.26	0.26
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	7.58	7.58
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.10	0.10
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	1.43	1.43
2014	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.30	0.30
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.74	0.74

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.36	0.36
2014	Research	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.05	0.05
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.02	0.02
2014	Research	gf.	Minor sl. rf. (S of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.05	0.05
2014	Research	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.03	0.03
2014	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.21	0.21
2014	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.30	0.30
2014	Research	gf.	Other flatfish	Northern rock sole	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	12.47	12.47
2014	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	8.69	8.69
2014	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.15	0.15
2014	Research	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.02	0.02
2014	Research	gf.	Other gf.	Cabezon	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	gf.	Other gf.	Groundfish, unid.	0.00	0.00	0.00	6.26	6.26
2014	Research	gf.	Other gf.	Kelp greenling (coast)	0.00	0.00	0.00	0.02	0.02
2014	Research	gf.	Other gf.	Leopard shark	0.00	0.00	0.00	0.01	0.01
2014	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.05	0.05
2014	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.38	0.38
2014	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	252.78	252.78
2014	Research	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.57	0.57
2014	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	17.70	17.70
2014	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	11.16	11.16
2014	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.77	0.77
2014	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.74	0.74
2014	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	4.18	4.18
2014	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.41	0.41
2014	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	9.01	9.01
2014	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	3.27	3.27
2014	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.56	0.56
2014	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	3.03	3.03
2014	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.31	0.31
2014	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	5.92	5.92
2014	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.05	0.05
2014	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Research	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	CAlizardfish	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	CAsheephead	0.00	0.00	0.00	0.01	0.01
2014	Research	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	24.63	24.63
2014	Research	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	2.91	2.91
2014	Research	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.07	0.07
2014	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.07	0.07
2014	Research	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.02	0.02
2014	Research	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.06	0.06
2014	Research	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Surf perch	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.01	0.01
2014	Research	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2014	Research	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.30	0.30
2014	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.10	0.00	0.00	0.10	0.10
2014	RBPT	gf.	CA scorpionfish (S of 34°27')	CAscorpionfish	0.02	0.00	0.00	0.02	0.02
2014	RBPT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2014	RBPT	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2014	RBPT	gf.	English sole	English sole	1.17	0.00	0.00	1.17	1.17
2014	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.04	0.00	0.00	0.04	0.04
2014	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2014	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2014	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2014	RBPT	gf.	Other flatfish	Flatfish, unid.	14.61	0.00	0.00	14.61	14.61
2014	RBPT	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2014	RBPT	gf.	Other flatfish	Rex sole	0.07	0.00	0.00	0.07	0.07
2014	RBPT	gf.	Other flatfish	Rock sole	0.02	0.00	0.00	0.02	0.02
2014	RBPT	gf.	Other flatfish	Sanddab, unid.	0.11	0.00	0.00	0.11	0.11
2014	RBPT	gf.	Pacific hake	Pacific hake	0.03	0.00	0.00	0.03	0.03
2014	RBPT	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2014	RBPT	gf.	Sablefish (S of 36°)	Sablefish	0.07	0.00	0.00	0.07	0.07
2014	RBPT	ngf.	CA halibut	CAhalibut	0.05	0.00	0.00	0.05	0.05
2014	RBPT	ngf.	Non-FMP flatfish	Diamond turbot	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.04	0.00	0.00	0.04	0.04
2014	RBPT	ngf.	Other ngf.	Bat ray	0.06	0.00	0.00	0.06	0.06
2014	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2014	RBPT	ngf.	Other ngf.	CAbarracuda	0.02	0.00	0.00	0.02	0.02
2014	RBPT	ngf.	Other ngf.	Crab, unid.	0.80	0.00	0.00	0.80	0.80
2014	RBPT	ngf.	Other ngf.	Ghost shrimp	0.16	0.00	0.00	0.16	0.16
2014	RBPT	ngf.	Other ngf.	Jack mackerel	0.91	0.00	0.00	0.91	0.91
2014	RBPT	ngf.	Other ngf.	King crab, unid.	0.01	0.00	0.00	0.01	0.01
2014	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2014	RBPT	ngf.	Other ngf.	Market squid	0.16	0.00	0.00	0.16	0.16
2014	RBPT	ngf.	Other ngf.	Mixed species	24.25	0.00	0.00	24.25	24.25
2014	RBPT	ngf.	Other ngf.	Octopus, unid.	0.05	0.00	0.00	0.05	0.05
2014	RBPT	ngf.	Other ngf.	Pacific angel shark	0.19	0.00	0.00	0.19	0.19
2014	RBPT	ngf.	Other ngf.	Red rock crab	3.02	0.00	0.00	3.02	3.02
2014	RBPT	ngf.	Other ngf.	Ridgeback prawn	252.41	0.00	0.00	252.41	252.41
2014	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.06	0.00	0.00	0.06	0.06
2014	RBPT	ngf.	Other ngf.	Shark, unid.	0.13	0.00	0.00	0.13	0.13
2014	RBPT	ngf.	Other ngf.	Skate, unid.	4.58	0.00	0.00	4.58	4.58
2014	RBPT	ngf.	Other ngf.	Spot prawn	2.48	0.00	0.00	2.48	2.48
2014	RBPT	ngf.	Other ngf.	Squid, unid.	0.18	0.00	0.00	0.18	0.18
2014	RBPT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2014	RBPT	ngf.	Other ngf.	White croaker	2.45	0.00	0.00	2.45	2.45
2014	SCT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	English sole	English sole	0.04	0.00	0.00	0.04	0.04
2014	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.10	0.00	0.00	0.10	0.10
2014	SCT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2014	SCT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Other flatfish	Pacific sanddab	0.02	0.00	0.00	0.02	0.02
2014	SCT	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Other flatfish	Sanddab, unid.	0.01	0.00	0.00	0.01	0.01
2014	SCT	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	CA halibut	CAhalibut	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Non-FMP flatfish	Diamond turbot	0.02	0.00	0.00	0.02	0.02
2014	SCT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	SCT	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2014	SCT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Other ngf.	Red rock crab	0.01	0.00	0.00	0.01	0.01
2014	SCT	ngf.	Other ngf.	Ridgeback prawn	0.04	0.00	0.00	0.04	0.04
2014	SCT	ngf.	Other ngf.	Sea cucumber, unid.	47.32	0.00	0.00	47.32	47.32
2014	SCT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2014	SCT	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2014	SCT	ngf.	Other ngf.	Spot prawn	0.00	0.00	0.00	0.00	0.00
2014	SCT	ngf.	Other ngf.	White croaker	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	6.28	0.05	0.05	6.32	6.32
2014	Shoreside Hake	gf.	Canary rf.	Canary rf.	2.54	0.03	0.03	2.57	2.57
2014	Shoreside Hake	gf.	Darkblotched rf.	Darkblotched rf.	8.45	0.00	0.00	8.45	8.45
2014	Shoreside Hake	gf.	Dover sole	Dover sole	0.12	0.00	0.00	0.12	0.12
2014	Shoreside Hake	gf.	ECS	Soupfin shark	0.19	0.12	0.12	0.31	0.31
2014	Shoreside Hake	gf.	ECS	Spotted ratfish	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Groundfish unid	Groundfish, unid.	0.22	0.00	0.00	0.22	0.22
2014	Shoreside Hake	gf.	Lingcod (N of 40°10')	Lingcod	9.05	0.06	0.06	9.11	9.11
2014	Shoreside Hake	gf.	Longnose skate	Longnose skate	0.28	0.02	0.02	0.30	0.30
2014	Shoreside Hake	gf.	LST (N of 34°27')	LST	0.03	0.00	0.00	0.03	0.03
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.46	0.00	0.00	0.46	0.46
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.11	0.00	0.00	0.11	0.11
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.33	0.02	0.02	0.35	0.35
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.33	0.00	0.00	0.33	0.33
2014	Shoreside Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.02	0.00	0.00	0.02	0.02
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.20	0.00	0.00	0.20	0.20
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.05	0.00	0.00	0.05	0.05
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.48	0.00	0.00	3.48	3.48
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.69	0.01	0.01	0.70	0.70
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.66	0.00	0.00	0.66	0.66
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	30.92	0.01	0.01	30.93	30.93

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Shoreside Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Other flatfish	Pacific sanddab	0.77	0.00	0.00	0.77	0.77
2014	Shoreside Hake	gf.	Other flatfish	Rex sole	0.31	0.00	0.00	0.31	0.31
2014	Shoreside Hake	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Pacific cod	Pacific cod	0.18	0.00	0.00	0.18	0.18
2014	Shoreside Hake	gf.	Pacific hake	Pacific hake	97982.70	493.81	493.81	98476.51	98476.51
2014	Shoreside Hake	gf.	POP (N of 40°10')	POP	10.17	0.00	0.00	10.17	10.17
2014	Shoreside Hake	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2014	Shoreside Hake	gf.	Sablefish (N of 36°)	Sablefish	5.23	0.00	0.00	5.23	5.23
2014	Shoreside Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	gf.	SST (N of 34°27')	SST	2.19	0.00	0.00	2.19	2.19
2014	Shoreside Hake	gf.	Spiny dogfish	Spiny dogfish shark	69.42	0.12	0.12	69.55	69.55
2014	Shoreside Hake	gf.	Widow rf.	Widow rf.	300.17	4.19	4.19	304.36	304.36
2014	Shoreside Hake	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	309.47	0.00	0.00	309.47	309.47
2014	Shoreside Hake	ngf.	Dungeness crab	Dungeness crab	0.03	0.00	0.00	0.03	0.03
2014	Shoreside Hake	ngf.	Other ngf.	American shad	50.88	0.00	0.00	50.88	50.88
2014	Shoreside Hake	ngf.	Other ngf.	Blue shark	0.14	0.09	0.09	0.23	0.23
2014	Shoreside Hake	ngf.	Other ngf.	Brown cat shark	1.40	0.11	0.11	1.51	1.51
2014	Shoreside Hake	ngf.	Other ngf.	Common thresher shark	0.36	0.85	0.85	1.21	1.21
2014	Shoreside Hake	ngf.	Other ngf.	Echinoderm, unid.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	ngf.	Other ngf.	Herring, unid.	0.00	0.14	0.14	0.14	0.14
2014	Shoreside Hake	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.01	0.01	0.01	0.01
2014	Shoreside Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2014	Shoreside Hake	ngf.	Other ngf.	Jack mackerel	289.89	0.84	0.84	290.72	290.72
2014	Shoreside Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.03	0.03	0.03	0.03
2014	Shoreside Hake	ngf.	Other ngf.	Mackerel, unid.	0.16	0.00	0.00	0.16	0.16
2014	Shoreside Hake	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	ngf.	Other ngf.	Mixed species	0.67	0.00	0.00	0.67	0.67
2014	Shoreside Hake	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.19	0.19	0.19	0.19
2014	Shoreside Hake	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2014	Shoreside Hake	ngf.	Other ngf.	PHLB	1.25	0.11	0.11	1.36	1.36
2014	Shoreside Hake	ngf.	Other ngf.	Pacific herring	12.29	0.00	0.00	12.29	12.29
2014	Shoreside Hake	ngf.	Other ngf.	Pacific mackerel	22.81	0.09	0.09	22.90	22.90
2014	Shoreside Hake	ngf.	Other ngf.	Pacific sardine	0.57	0.00	0.00	0.57	0.57
2014	Shoreside Hake	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.41	0.41	0.41	0.41
2014	Shoreside Hake	ngf.	Other ngf.	Red urchin	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Shoreside Hake	ngf.	Other ngf.	Shark, unid.	2.33	2.93	2.93	5.26	5.26
2014	Shoreside Hake	ngf.	Other ngf.	Skate, unid.	0.51	0.00	0.00	0.51	0.51
2014	Shoreside Hake	ngf.	Other ngf.	Squid, unid.	29.52	5.91	5.91	35.43	35.43
2014	Shoreside Hake	ngf.	Other ngf.	Walleye pollock	0.45	0.00	0.00	0.45	0.45
2014	Shoreside Hake	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2014	Shoreside Hake	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.56	0.56	0.56	0.56
2014	Shoreside Hake	ngf.	Shared ECS	Smelt, unid.	0.04	0.00	0.00	0.04	0.04
2014	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	11.91	0.00	0.00	11.91	11.91
2014	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.05	0.00	0.00	0.05	0.05
2014	Tribal Shoreside	gf.	Canary rf.	Canary rf.	5.97	0.00	0.00	5.97	5.97
2014	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.07	0.00	0.00	0.07	0.07
2014	Tribal Shoreside	gf.	Dover sole	Dover sole	69.70	0.00	0.00	69.70	69.70
2014	Tribal Shoreside	gf.	English sole	English sole	61.70	0.00	0.00	61.70	61.70
2014	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	40.74	0.00	0.00	40.74	40.74
2014	Tribal Shoreside	gf.	Longnose skate	Longnose skate	3.25	0.00	0.00	3.25	3.25
2014	Tribal Shoreside	gf.	LST (N of 34°27')	LST	1.03	0.00	0.00	1.03	1.03
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.68	0.00	0.00	0.68	0.68
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.38	0.00	0.00	0.38	0.38
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.58	0.00	0.00	0.58	0.58
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	4.84	0.00	0.00	4.84	4.84
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.53	0.00	0.00	0.53	0.53
2014	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	7.73	0.00	0.00	7.73	7.73
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	15.03	0.00	0.00	15.03	15.03
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.04	0.00	0.00	0.04	0.04
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.41	0.00	0.00	1.41	1.41
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.45	0.00	0.00	0.45	0.45
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.06	0.00	0.00	0.06	0.06
2014	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	2.45	0.00	0.00	2.45	2.45
2014	Tribal Shoreside	gf.	Other flatfish	Rex sole	25.28	0.00	0.00	25.28	25.28
2014	Tribal Shoreside	gf.	Other flatfish	Rock sole	5.63	0.00	0.00	5.63	5.63
2014	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	2.76	0.00	0.00	2.76	2.76

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2014	Tribal Shoreside	gf.	Pacific cod	Pacific cod	270.70	0.00	0.00	270.70	270.70
2014	Tribal Shoreside	gf.	Pacific hake	Pacific hake	617.19	0.00	0.00	617.19	617.19
2014	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.36	0.00	0.00	0.36	0.36
2014	Tribal Shoreside	gf.	Petrale sole	Petrale sole	100.38	0.00	0.00	100.38	100.38
2014	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	437.31	0.00	0.00	437.31	437.31
2014	Tribal Shoreside	gf.	SST (N of 34°27')	SST	20.98	0.00	0.00	20.98	20.98
2014	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	10.64	0.00	0.00	10.64	10.64
2014	Tribal Shoreside	gf.	Widow rf.	Widow rf.	13.95	0.00	0.00	13.95	13.95
2014	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.38	0.00	0.00	0.38	0.38
2014	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	198.50	0.00	0.00	198.50	198.50
2014	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	903.07	0.00	0.00	903.07	903.07
2014	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	2.23	0.00	0.00	2.23	2.23
2014	Tribal Shoreside	ngf.	Other ngf.	American shad	0.25	0.00	0.00	0.25	0.25
2014	Tribal Shoreside	ngf.	Other ngf.	Hagfish, unid.	1.29	0.00	0.00	1.29	1.29
2014	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2014	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.14	0.00	0.00	0.14	0.14
2014	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.67	0.00	0.00	0.67	0.67
2014	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	0.01	0.00	0.00	0.01	0.01
2014	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	599.43	0.00	0.00	599.43	599.43
2014	Tribal Shoreside	ngf.	Other ngf.	Shark, unid.	0.01	0.00	0.00	0.01	0.01
2014	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	60.87	0.00	0.00	60.87	60.87
2014	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.05	0.00	0.00	0.05	0.05
2014	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	1.59	0.00	0.00	1.59	1.59
2015	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	58.94	6.59	6.59	65.53	65.53
2015	A-S Hake CP	gf.	Big skate	Big skate	0.06	0.04	0.04	0.10	0.10
2015	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.05	0.02	0.02	0.07	0.07
2015	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	4.36	1.21	1.21	5.57	5.57
2015	A-S Hake CP	gf.	Dover sole	Dover sole	0.69	0.09	0.09	0.79	0.79
2015	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.14	0.03	0.03	0.17	0.17
2015	A-S Hake CP	gf.	ECS	Sandpaper skate	0.02	0.00	0.00	0.02	0.02
2015	A-S Hake CP	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.06	0.12	0.12	0.19	0.19
2015	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2015	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.31	0.00	0.00	0.31	0.31
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.01	0.01	0.05	0.05
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	7.32	7.69	7.69	15.01	15.01
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.02	0.02	0.02	0.02
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	8.68	2.48	2.48	11.16	11.16
2015	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Other flatfish	Rex sole	5.13	0.74	0.74	5.87	5.87
2015	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	gf.	Pacific hake	Pacific hake	68435.23	48.38	48.38	68483.61	68483.61
2015	A-S Hake CP	gf.	POP (N of 40°10')	POP	6.29	0.69	0.69	6.97	6.97
2015	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.06	0.02	0.02	0.09	0.09
2015	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	9.57	0.11	0.11	9.69	9.69
2015	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.01	0.01	0.02	0.02
2015	A-S Hake CP	gf.	SST (N of 34°27')	SST	8.05	0.75	0.75	8.79	8.79
2015	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	8.34	85.97	85.97	94.30	94.30
2015	A-S Hake CP	gf.	Widow rf.	Widow rf.	1.76	15.70	15.70	17.46	17.46
2015	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.29	0.22	0.22	0.51	0.51
2015	A-S Hake CP	ngf.	Other ngf.	American shad	0.26	1.81	1.81	2.08	2.08
2015	A-S Hake CP	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.24	0.23	0.23	0.47	0.47
2015	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	10.00	29.35	29.35	39.35	39.35
2015	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	0.79	0.79	0.79	0.79
2015	A-S Hake CP	ngf.	Other ngf.	Coral/bryozoan, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.32	0.06	0.06	0.38	0.38
2015	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.21	0.06	0.06	0.27	0.27
2015	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.39	0.21	0.21	0.61	0.61
2015	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	17.44	50.73	50.73	68.17	68.17
2015	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.06	0.77	0.77	0.83	0.83

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	A-S Hake CP	ngf.	Other ngf.	King of the salmon	80.31	35.68	35.68	115.99	115.99
2015	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.44	0.06	0.06	0.50	0.50
2015	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.03	0.01	0.01	0.04	0.04
2015	A-S Hake CP	ngf.	Other ngf.	Manefish	0.01	0.01	0.01	0.02	0.02
2015	A-S Hake CP	ngf.	Other ngf.	Medusafish	10.71	6.01	6.01	16.72	16.72
2015	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.01	0.06	0.06	0.07	0.07
2015	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.02	0.02	0.02	0.04	0.04
2015	A-S Hake CP	ngf.	Other ngf.	Opah	0.03	0.02	0.02	0.05	0.05
2015	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.01	0.02	0.02	0.02	0.02
2015	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	17.32	21.66	21.66	38.98	38.98
2015	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	2.41	1.06	1.06	3.47	3.47
2015	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.15	0.18	0.18	0.32	0.32
2015	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.44	4.06	4.06	4.50	4.50
2015	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.03	0.01	0.01	0.04	0.04
2015	A-S Hake CP	ngf.	Other ngf.	Ragfish	33.20	28.52	28.52	61.72	61.72
2015	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.07	0.01	0.01	0.08	0.08
2015	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.19	0.13	0.13	0.32	0.32
2015	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.00	4.54	4.54	4.54	4.54
2015	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.01	0.01	0.01	0.02	0.02
2015	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Other ngf.	Spookfish, unid.	2.61	0.69	0.69	3.30	3.30
2015	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	51.94	47.03	47.03	98.97	98.97
2015	A-S Hake CP	ngf.	Other ngf.	Swordfish	0.44	0.00	0.00	0.44	0.44
2015	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.04	0.02	0.02	0.06	0.06
2015	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.06	0.02	0.02	0.07	0.07
2015	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	1.54	0.22	0.22	1.76	1.76

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2015	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	2.19	3.42	3.42	5.61	5.61
2015	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.48	0.23	0.23	0.71	0.71
2015	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.01	0.00	0.00	0.02	0.02
2015	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.44	0.41	0.41	0.85	0.85
2015	A-S Hake MSCV	gf.	Big skate	Big skate	0.01	0.13	0.13	0.14	0.14
2015	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.10	0.04	0.04	0.14	0.14
2015	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	1.83	0.55	0.55	2.38	2.38
2015	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.01	0.02	0.02	0.04	0.04
2015	A-S Hake MSCV	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.05	0.14	0.14	0.19	0.19
2015	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.74	0.11	0.11	0.85	0.85
2015	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.06	0.21	0.21	0.28	0.28
2015	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.04	0.04	0.08	0.08
2015	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.02	0.29	0.29	0.32	0.32
2015	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.02	0.02	0.03	0.03
2015	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.02	0.02	0.02	0.02
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.02	0.02	0.02	0.02
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	4.46	2.33	2.33	6.79	6.79
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.20	2.14	2.14	3.34	3.34
2015	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.16	0.18	0.18	0.35	0.35
2015	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	27544.49	119.66	119.66	27664.15	27664.15
2015	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	1.06	0.67	0.67	1.73	1.73
2015	A-S Hake MSCV	gf.	Roundfish unid	Roundfish, unid.	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	1.83	0.09	0.09	1.92	1.92
2015	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.23	1.50	1.50	1.73	1.73
2015	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	0.14	2.86	2.86	3.01	3.01
2015	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	8.82	8.39	8.39	17.20	17.20
2015	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	40.88	45.00	45.00	85.88	85.88
2015	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.39	1.78	1.78	2.16	2.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	A-S Hake MSCV	ngf.	Other ngf.	Basking shark	0.00	1.00	1.00	1.00	1.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.30	0.30	0.30	0.30
2015	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	4.77	6.98	6.98	11.75	11.75
2015	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.15	0.15	0.15	0.15
2015	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	14.31	9.38	9.38	23.69	23.69
2015	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.26	0.26	0.26	0.26
2015	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.40	4.23	4.23	4.63	4.63
2015	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.23	1.07	1.07	1.30	1.30
2015	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2015	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.05	0.05	0.05	0.05
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.04	0.02	0.02	0.06	0.06
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	0.24	0.07	0.07	0.31	0.31
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.02	0.02	0.02	0.04	0.04
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2015	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.09	0.46	0.46	0.55	0.55
2015	A-S Hake MSCV	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.00	3.16	3.16	3.16	3.16
2015	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	1.97	1.97	1.97	1.97
2015	A-S Hake MSCV	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Spookfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	3.83	7.40	7.40	11.23	11.23
2015	A-S Hake MSCV	ngf.	Other ngf.	Swordfish	0.19	0.00	0.00	0.19	0.19
2015	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2015	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.09	0.12	0.12	0.21	0.21

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	1312.65	344.01	344.01	1656.66	1656.66
2015	CS – BT	gf.	Big skate	Big skate	213.29	35.52	17.76	248.81	231.05
2015	CS – BT	gf.	Black rf. (CA)	Black rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Black rf. (OR)	Black rf.	0.01	0.00	0.00	0.01	0.01
2015	CS – BT	gf.	Black rf. (WA)	Black rf.	0.47	0.46	0.46	0.93	0.93
2015	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	35.56	0.76	0.76	36.32	36.32
2015	CS – BT	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Canary rf.	Canary rf.	13.40	0.08	0.08	13.48	13.48
2015	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	165.74	18.19	18.19	183.93	183.93
2015	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.34	0.00	0.00	0.35	0.35
2015	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	87.32	4.09	4.09	91.41	91.41
2015	CS – BT	gf.	Dover sole	Dover sole	6132.68	39.76	39.76	6172.45	6172.45
2015	CS – BT	gf.	ECS	Alaska skate	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	gf.	ECS	Aleutian skate	0.00	1.09	1.09	1.09	1.09
2015	CS – BT	gf.	ECS	Bering skate	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	gf.	ECS	Black skate	0.29	14.00	14.00	14.28	14.28
2015	CS – BT	gf.	ECS	CAgrenadier	0.00	0.19	0.19	0.19	0.19
2015	CS – BT	gf.	ECS	CAskate	0.18	1.16	1.16	1.33	1.33
2015	CS – BT	gf.	ECS	Deepsea skate	0.00	0.85	0.85	0.85	0.85
2015	CS – BT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	ECS	Giant grenadier	0.00	35.36	35.36	35.36	35.36
2015	CS – BT	gf.	ECS	Grenadier, unid.	8.68	0.71	0.71	9.39	9.39
2015	CS – BT	gf.	ECS	Pacific flatnose	0.00	0.62	0.62	0.62	0.62
2015	CS – BT	gf.	ECS	Pacific grenadier	0.48	18.92	18.92	19.39	19.39
2015	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	gf.	ECS	Sandpaper skate	0.30	37.91	37.91	38.20	38.20
2015	CS – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	ECS	Smooth grenadier	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	ECS	Soupfin shark	0.17	1.34	1.34	1.51	1.51
2015	CS – BT	gf.	ECS	Spotted ratfish	1.01	82.05	82.05	83.06	83.06
2015	CS – BT	gf.	ECS	White skate	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	gf.	English sole	English sole	240.73	84.64	84.64	325.37	325.37
2015	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	148.50	18.37	9.18	166.87	157.69
2015	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	23.11	6.79	3.40	29.90	26.51
2015	CS – BT	gf.	Longnose skate	Longnose skate	711.63	99.54	49.77	811.16	761.39
2015	CS – BT	gf.	LST (N of 34°27')	LST	681.16	22.44	22.44	703.59	703.59

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	1.22	0.04	0.04	1.26	1.26
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.74	0.68	0.68	3.42	3.42
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	8.01	2.46	2.46	10.47	10.47
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	2.72	0.05	0.05	2.77	2.77
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.77	0.14	0.14	0.91	0.91
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.20	0.30	0.30	0.50	0.50
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.15	0.00	0.00	0.15	0.15
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.18	8.29	8.29	8.48	8.48
2015	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.01	0.00	0.00	0.01	0.01
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.01	0.01	0.03	0.03
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.19	0.06	0.06	0.25	0.25
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.42	0.57	0.57	0.99	0.99
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.07	0.07	0.08	0.08
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.15	7.14	7.14	7.29	7.29
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.41	0.02	0.02	0.43	0.43
2015	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.11	0.00	0.00	0.11	0.11
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	14.77	2.91	2.91	17.68	17.68
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.82	0.00	0.00	0.82	0.82
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	5.35	0.01	0.01	5.36	5.36
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.95	0.14	0.14	4.09	4.09
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	30.39	0.01	0.01	30.40	30.40
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.77	0.02	0.02	0.79	0.79
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	9.71	0.00	0.00	9.71	9.71
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.08	0.06	0.06	1.14	1.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	21.17	9.38	9.38	30.55	30.55
2015	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.55	0.00	0.00	0.55	0.55
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.86	1.37	1.37	3.24	3.24
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	45.45	0.09	0.09	45.54	45.54
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	17.20	1.10	1.10	18.30	18.30
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.72	0.05	0.05	0.76	0.76
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.12	0.00	0.00	0.12	0.12
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.03	0.03	0.03	0.03
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.74	0.74	0.74	0.74
2015	CS – BT	gf.	Other flatfish	Butter sole	0.09	0.13	0.13	0.22	0.22
2015	CS – BT	gf.	Other flatfish	Curlfin sole	2.11	0.57	0.57	2.68	2.68
2015	CS – BT	gf.	Other flatfish	Flatfish, unid.	0.04	0.00	0.00	0.04	0.04
2015	CS – BT	gf.	Other flatfish	Flathead sole	14.54	22.98	22.98	37.52	37.52
2015	CS – BT	gf.	Other flatfish	Pacific sanddab	153.45	120.75	120.75	274.20	274.20
2015	CS – BT	gf.	Other flatfish	Rex sole	453.79	38.36	38.36	492.15	492.15
2015	CS – BT	gf.	Other flatfish	Rock sole	0.91	0.04	0.04	0.96	0.96
2015	CS – BT	gf.	Other flatfish	Sand sole	13.60	0.12	0.12	13.72	13.72
2015	CS – BT	gf.	Other flatfish	Sanddab, unid.	0.00	0.04	0.04	0.04	0.04
2015	CS – BT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.07	0.07	0.07	0.07
2015	CS – BT	gf.	Other rf.	Rockfish, unid.	0.12	0.00	0.00	0.12	0.12
2015	CS – BT	gf.	Pacific cod	Pacific cod	376.50	0.48	0.48	376.99	376.99
2015	CS – BT	gf.	Pacific hake	Pacific hake	54.91	221.47	221.47	276.38	276.38
2015	CS – BT	gf.	POP (N of 40°10')	POP	29.38	0.12	0.12	29.50	29.50
2015	CS – BT	gf.	Petrale sole	Petrale sole	2432.59	14.33	14.33	2446.92	2446.92
2015	CS – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1393.84	9.63	4.81	1403.46	1398.65
2015	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	5.13	1.54	0.77	6.67	5.90
2015	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.05	4.32	4.32	4.37	4.37
2015	CS – BT	gf.	SST (N of 34°27')	SST	664.80	6.30	6.30	671.10	671.10
2015	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	3.64	183.07	183.07	186.71	186.71
2015	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	5.55	22.12	22.12	27.68	27.68
2015	CS – BT	gf.	Starry flounder	Starry flounder	6.28	0.12	0.12	6.41	6.41
2015	CS – BT	gf.	Widow rf.	Widow rf.	11.36	0.07	0.07	11.43	11.43
2015	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	125.05	0.01	0.01	125.06	125.06

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	ngf.	CA halibut	CA halibut	0.79	0.03	0.03	0.83	0.83
2015	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.03	93.16	93.16	93.20	93.20
2015	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.00	9.64	9.64	9.64	9.64
2015	CS – BT	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.28	29.13	29.13	29.42	29.42
2015	CS – BT	ngf.	Other ngf.	American shad	0.03	3.69	3.69	3.71	3.71
2015	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	19.38	19.38	19.38	19.38
2015	CS – BT	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.04	0.04	0.04	0.04
2015	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.21	0.01	0.01	0.22	0.22
2015	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Basket starfish	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Basketweave cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Bay pipefish	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	1.68	1.68	1.68	1.68
2015	CS – BT	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.56	0.56	0.56	0.56
2015	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.07	0.07	0.07	0.07
2015	CS – BT	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	0.91	0.91	0.91	0.91
2015	CS – BT	ngf.	Other ngf.	Brown cat shark	0.00	33.69	33.69	33.69	33.69
2015	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	CA slickhead	0.00	10.65	10.65	10.65	10.65
2015	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.18	0.18	0.18	0.18
2015	CS – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.08	0.08	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.38	15.12	15.12	15.50	15.50
2015	CS – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	4.18	4.18	4.18	4.18
2015	CS – BT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.37	0.37	0.37	0.37
2015	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.71	2.71	2.71	2.71
2015	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.07	0.07	0.07	0.07
2015	CS – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Jack mackerel	0.00	0.03	0.03	0.04	0.04
2015	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.91	0.91	0.91	0.91
2015	CS – BT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	King of the salmon	0.00	0.03	0.03	0.03	0.03
2015	CS – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	0.04	0.04	0.04	0.04
2015	CS – BT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.06	0.06	0.06	0.06
2015	CS – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.55	0.55	0.55	0.55
2015	CS – BT	ngf.	Other ngf.	Mixed species	2.72	0.00	0.00	2.73	2.73
2015	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.12	0.12	0.12	0.12
2015	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.15	0.15	0.15	0.15
2015	CS – BT	ngf.	Other ngf.	Octopus, unid.	2.89	3.15	3.15	6.05	6.05
2015	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.39	0.39	0.39	0.39
2015	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	2.43	2.43	2.43	2.43

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	ngf.	Other ngf.	PHLB	0.05	69.04	33.14	69.09	33.20
2015	CS – BT	ngf.	Other ngf.	Pacific herring	0.00	0.13	0.13	0.13	0.13
2015	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.00	0.03	0.03	0.03	0.03
2015	CS – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Pacific sardine	0.00	0.05	0.05	0.06	0.06
2015	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.25	0.25	0.25	0.25
2015	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	21.43	21.43	21.43	21.43
2015	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.09	0.01	0.01	0.10	0.10
2015	CS – BT	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.46	0.46	0.46	0.46
2015	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.01	0.03	0.03	0.05	0.05
2015	CS – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Prickly shark	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.40	0.40	0.40	0.40
2015	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.16	0.16	0.16	0.16
2015	CS – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.09	0.09	0.09	0.09
2015	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.74	0.74	0.74	0.74
2015	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.35	1.35	1.35	1.35
2015	CS – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.03	0.03	0.03	0.03
2015	CS – BT	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.16	0.16	0.16	0.16
2015	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	14.90	14.90	14.90	14.90
2015	CS – BT	ngf.	Other ngf.	Sea whip	0.00	0.08	0.08	0.08	0.08
2015	CS – BT	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Shark, unid.	1.81	0.21	0.21	2.02	2.02
2015	CS – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.07	0.07	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.26	0.26	0.26	0.26
2015	CS – BT	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.06	0.06	0.06	0.06
2015	CS – BT	ngf.	Other ngf.	Skate, unid.	76.52	0.74	0.74	77.26	77.26
2015	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.13	0.13	0.13	0.13
2015	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	0.91	0.91	0.91	0.91
2015	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Spinyfin, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	1.18	1.18	1.18	1.18
2015	CS – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Squid, unid.	0.55	0.13	0.13	0.68	0.68
2015	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.02	0.02	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Stony coral	0.00	0.03	0.03	0.03	0.03
2015	CS – BT	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.04	0.04	0.04	0.04
2015	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.17	0.17	0.17	0.17
2015	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.24	0.24	0.24	0.24
2015	CS – BT	ngf.	Other ngf.	Thresher shark, unid.	0.00	0.14	0.14	0.14	0.14
2015	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	2.23	2.23	2.23	2.23
2015	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	1.40	1.40	1.40	1.40
2015	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Walleye pollock	0.28	0.61	0.61	0.89	0.89
2015	CS – BT	ngf.	Other ngf.	White croaker	0.09	0.06	0.06	0.15	0.15
2015	CS – BT	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2015	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.08	0.08	0.08	0.08
2015	CS – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Shared ECS	Barracudina, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	7.67	7.67	7.67	7.67
2015	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2015	CS – BT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.01	0.01	0.01	0.01
2015	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	12.67	12.67	12.67	12.67
2015	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	102.64	102.64	102.64	102.64
2015	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.03	1.24	1.24	1.26	1.26
2015	CS – H&L	gf.	Big skate	Big skate	0.38	0.03	0.03	0.41	0.41
2015	CS – H&L	gf.	Canary rf.	Canary rf.	0.05	0.00	0.00	0.05	0.05
2015	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – H&L	gf.	Dover sole	Dover sole	0.23	0.02	0.02	0.26	0.26
2015	CS – H&L	gf.	ECS	Black skate	0.00	0.22	0.22	0.22	0.22
2015	CS – H&L	gf.	ECS	Giant grenadier	0.00	0.59	0.59	0.59	0.59
2015	CS – H&L	gf.	ECS	Grenadier, unid.	0.00	0.75	0.75	0.75	0.75
2015	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.28	0.28	0.28	0.28
2015	CS – H&L	gf.	ECS	Pacific grenadier	0.00	2.49	2.49	2.49	2.49
2015	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.03	0.03	0.03	0.03
2015	CS – H&L	gf.	ECS	Soupfin shark	0.00	0.05	0.05	0.05	0.05
2015	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.03	0.03	0.03	0.03
2015	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.19	0.01	0.00	1.20	1.19
2015	CS – H&L	gf.	Longnose skate	Longnose skate	3.89	0.70	0.35	4.59	4.24
2015	CS – H&L	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2015	CS – H&L	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.43	0.01	0.01	0.45	0.45
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.20	0.00	0.00	5.20	5.20
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.73	0.00	0.00	0.73	0.73
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.25	0.25	0.25	0.25
2015	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Pacific cod	Pacific cod	0.05	0.09	0.09	0.14	0.14
2015	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	gf.	Petrale sole	Petrale sole	0.02	0.01	0.01	0.04	0.04
2015	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	112.54	4.85	0.97	117.40	113.51
2015	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	7.97	0.25	0.05	8.21	8.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – H&L	gf.	SST (N of 34°27')	SST	4.55	0.23	0.23	4.78	4.78
2015	CS – H&L	gf.	SST (S of 34°27')	SST	0.42	0.01	0.01	0.43	0.43
2015	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	26.78	13.39	26.78	13.39
2015	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.05	0.00	0.00	0.05	0.05
2015	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	1.82	1.82	1.82	1.82
2015	CS – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.01	0.01	0.01	0.01
2015	CS – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.04	0.04	0.04	0.04
2015	CS – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.06	0.06	0.06	0.06
2015	CS – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	PHLB	0.00	9.49	1.52	9.49	1.52
2015	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	4.46	4.46	4.46	4.46
2015	CS – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2015	CS – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.10	0.27	0.27	0.37	0.37
2015	CS – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.00	0.00	0.04	0.04
2015	CS – Pot	gf.	Dover sole	Dover sole	0.14	0.21	0.21	0.35	0.35
2015	CS – Pot	gf.	ECS	Giant grenadier	0.00	0.19	0.19	0.19	0.19
2015	CS – Pot	gf.	ECS	Grenadier, unid.	0.00	0.09	0.09	0.09	0.09
2015	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.05	0.05	0.05	0.05
2015	CS – Pot	gf.	ECS	Pacific grenadier	0.00	3.57	3.57	3.57	3.57
2015	CS – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	3.82	0.00	0.00	3.82	3.82
2015	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.52	0.01	0.01	0.53	0.53
2015	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.31	0.01	0.01	0.31	0.31
2015	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.01	0.00	0.00	0.01	0.01
2015	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.36	0.07	0.07	0.43	0.43
2015	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	CS – Pot	gf.	Petrale sole	Petrale sole	0.08	0.00	0.00	0.08	0.08
2015	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	323.29	6.06	1.21	329.35	324.50
2015	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	76.23	1.29	0.26	77.52	76.49
2015	CS – Pot	gf.	SST (N of 34°27')	SST	0.24	0.06	0.06	0.30	0.30
2015	CS – Pot	gf.	SST (S of 34°27')	SST	0.14	0.05	0.05	0.19	0.19
2015	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.09	0.09	0.09	0.09
2015	CS – Pot	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.51	0.51	0.51	0.51
2015	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Blob sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	1.24	1.24	1.24	1.24
2015	CS – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.05	0.05	0.05	0.05
2015	CS – Pot	ngf.	Other ngf.	Giant wrymouth	0.01	0.00	0.00	0.01	0.01
2015	CS – Pot	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	1.64	1.64	1.64	1.64
2015	CS – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.06	0.06	0.06	0.06
2015	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.03	0.03	0.03	0.03
2015	CS – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	PHLB	0.00	1.31	0.21	1.31	0.21
2015	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.73	0.73	0.73	0.73
2015	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.19	0.19	0.19	0.19
2015	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.11	0.11	0.11	0.11
2015	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.10	0.10	0.10	0.10
2015	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.12	0.12	0.12	0.12
2015	CS – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.35	0.35	0.35	0.35
2015	CS – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.07	0.07	0.07	0.07
2015	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	4.67	4.67	4.67	4.67
2015	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.20	2.20	2.20	2.20
2015	CS EM – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	6.00	0.12	0.12	6.12	6.12
2015	CS EM – BT	gf.	Big skate	Big skate	2.01	0.91	0.45	2.92	2.46
2015	CS EM – BT	gf.	Black rf. (WA)	Black rf.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	3.32	0.05	0.05	3.37	3.37
2015	CS EM – BT	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Canary rf.	Canary rf.	0.10	0.00	0.00	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	8.07	0.21	0.21	8.28	8.28
2015	CS EM – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.05	0.00	0.00	0.05	0.05
2015	CS EM – BT	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2015	CS EM – BT	gf.	Dover sole	Dover sole	155.38	0.02	0.02	155.40	155.40
2015	CS EM – BT	gf.	ECS	Alaska skate	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Aleutian skate	0.00	0.03	0.03	0.03	0.03
2015	CS EM – BT	gf.	ECS	Bering skate	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Black skate	0.00	0.36	0.36	0.36	0.36
2015	CS EM – BT	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	CA skate	0.01	0.03	0.03	0.04	0.04
2015	CS EM – BT	gf.	ECS	Deepsea skate	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Giant grenadier	0.00	0.91	0.91	0.91	0.91
2015	CS EM – BT	gf.	ECS	Grenadier, unid.	4.44	0.02	0.02	4.46	4.46
2015	CS EM – BT	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	gf.	ECS	Pacific grenadier	0.71	0.49	0.49	1.20	1.20
2015	CS EM – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Sandpaper skate	0.04	0.97	0.97	1.01	1.01
2015	CS EM – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	ECS	Soupfin shark	0.02	0.03	0.03	0.06	0.06
2015	CS EM – BT	gf.	ECS	Spotted ratfish	0.49	2.10	2.10	2.59	2.59
2015	CS EM – BT	gf.	ECS	White skate	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	English sole	English sole	1.64	1.16	1.16	2.79	2.79
2015	CS EM – BT	gf.	Lingcod (N of 40°10')	Lingcod	0.11	0.00	0.00	0.11	0.11
2015	CS EM – BT	gf.	Lingcod (S of 40°10')	Lingcod	2.51	0.01	0.01	2.52	2.52
2015	CS EM – BT	gf.	Longnose skate	Longnose skate	13.11	2.53	1.26	15.64	14.37
2015	CS EM – BT	gf.	LST (N of 34°27')	LST	52.73	0.00	0.00	52.73	52.73
2015	CS EM – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2015	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2015	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2015	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2015	CS EM – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	gf.	Other flatfish	Curlfin sole	0.11	0.01	0.01	0.12	0.12
2015	CS EM – BT	gf.	Other flatfish	Flatfish, unid.	0.04	0.03	0.03	0.07	0.07
2015	CS EM – BT	gf.	Other flatfish	Pacific sanddab	4.33	0.12	0.12	4.45	4.45
2015	CS EM – BT	gf.	Other flatfish	Rex sole	2.48	0.01	0.01	2.49	2.49
2015	CS EM – BT	gf.	Other flatfish	Rock sole	0.03	0.00	0.00	0.03	0.03
2015	CS EM – BT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Other rf.	Rockfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	gf.	Pacific hake	Pacific hake	1.12	0.86	0.86	1.98	1.98
2015	CS EM – BT	gf.	Petrale sole	Petrale sole	58.50	0.49	0.49	58.99	58.99
2015	CS EM – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	gf.	Sablefish (N of 36°)	Sablefish	58.61	0.20	0.10	58.81	58.71
2015	CS EM – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.11	0.11	0.12	0.12
2015	CS EM – BT	gf.	SST (N of 34°27')	SST	26.85	0.00	0.00	26.85	26.85
2015	CS EM – BT	gf.	Spiny dogfish	Spiny dogfish shark	0.85	4.57	4.57	5.42	5.42
2015	CS EM – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	1.13	0.00	0.00	1.13	1.13
2015	CS EM – BT	gf.	Widow rf.	Widow rf.	0.24	0.02	0.02	0.26	0.26
2015	CS EM – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	CA halibut	CA halibut	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Dungeness crab	Dungeness crab	0.00	2.38	2.38	2.38	2.38
2015	CS EM – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.25	0.25	0.25	0.25
2015	CS EM – BT	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Non-FMP flatfish	Slender sole	0.01	0.74	0.74	0.75	0.75
2015	CS EM – BT	ngf.	Other ngf.	American shad	0.02	0.09	0.09	0.12	0.12
2015	CS EM – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Anemone, unid.	0.00	0.50	0.50	0.50	0.50
2015	CS EM – BT	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Basketweave cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	0.04	0.04	0.04	0.04
2015	CS EM – BT	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Black eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Blackedge poacher	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Blackfin starnose poacher	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Brown box crab	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	ngf.	Other ngf.	Brown cat shark	0.00	0.87	0.87	0.87	0.87
2015	CS EM – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	CA slickhead	0.00	0.27	0.27	0.27	0.27
2015	CS EM – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Eelpout, unid.	0.00	0.39	0.39	0.39	0.39
2015	CS EM – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Filetail cat shark	0.00	0.11	0.11	0.11	0.11
2015	CS EM – BT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.07	0.07	0.07	0.07
2015	CS EM – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	ngf.	Other ngf.	King crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Longnose cat shark	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Longnose lancetfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Mixed species	1.55	0.00	0.00	1.55	1.55
2015	CS EM – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Octopus, unid.	0.07	0.08	0.08	0.15	0.15
2015	CS EM – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Pacific electric ray	0.00	0.06	0.06	0.06	0.06
2015	CS EM – BT	ngf.	Other ngf.	PHLB	0.00	0.18	0.16	0.18	0.16
2015	CS EM – BT	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.55	0.55	0.55	0.55
2015	CS EM – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Prickly shark	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Ragfish	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Rock greenling	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.03	0.03	0.03	0.03
2015	CS EM – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea star, unid.	0.00	0.38	0.38	0.38	0.38
2015	CS EM – BT	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Shark, unid.	0.54	0.00	0.00	0.54	0.54
2015	CS EM – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Silver surfperch	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Skate, unid.	0.26	0.01	0.01	0.28	0.28
2015	CS EM – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – BT	ngf.	Other ngf.	Spinyfin, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sponge, unid.	0.00	0.03	0.03	0.03	0.03
2015	CS EM – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.01	0.01	0.01	0.01
2015	CS EM – BT	ngf.	Other ngf.	Thresher shark, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Twoline eelpout	0.00	0.06	0.06	0.06	0.06
2015	CS EM – BT	ngf.	Other ngf.	Urchin, unid.	0.00	0.04	0.04	0.04	0.04
2015	CS EM – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Walleye pollock	0.00	0.02	0.02	0.02	0.02
2015	CS EM – BT	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.20	0.20	0.20	0.20
2015	CS EM – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.33	0.33	0.33	0.33
2015	CS EM – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.64	2.64	2.64	2.64
2015	CS EM – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.04	0.08	0.08	0.12	0.12
2015	CS EM – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – Pot	gf.	Dover sole	Dover sole	0.26	0.01	0.01	0.27	0.27
2015	CS EM – Pot	gf.	ECS	Giant grenadier	0.00	0.31	0.31	0.31	0.31
2015	CS EM – Pot	gf.	ECS	Grenadier, unid.	0.00	0.09	0.09	0.09	0.09
2015	CS EM – Pot	gf.	ECS	Pacific flatnose	0.00	0.10	0.10	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – Pot	gf.	ECS	Pacific grenadier	0.00	6.49	6.49	6.49	6.49
2015	CS EM – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Lingcod (N of 40°10')	Lingcod	4.72	0.27	0.27	4.98	4.98
2015	CS EM – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.01	0.01	0.03	0.03
2015	CS EM – Pot	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2015	CS EM – Pot	gf.	LST (S of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.19	0.01	0.01	0.20	0.20
2015	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.12	0.00	0.00	0.12	0.12
2015	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.77	0.00	0.00	0.78	0.78
2015	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2015	CS EM – Pot	gf.	Sablefish (N of 36°)	Sablefish	262.08	7.55	1.51	269.63	263.59
2015	CS EM – Pot	gf.	Sablefish (S of 36°)	Sablefish	70.89	1.15	0.23	72.04	71.12
2015	CS EM – Pot	gf.	SST (N of 34°27')	SST	0.21	0.03	0.03	0.25	0.25
2015	CS EM – Pot	gf.	SST (S of 34°27')	SST	0.00	0.05	0.05	0.05	0.05
2015	CS EM – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.05	0.05	0.08	0.08
2015	CS EM – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2015	CS EM – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.29	0.29	0.29	0.29
2015	CS EM – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Blob sculpin	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Crab, unid.	0.00	2.48	2.48	2.48	2.48
2015	CS EM – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.01	0.01	0.01	0.01
2015	CS EM – Pot	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.10	0.10	0.10	0.10
2015	CS EM – Pot	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.03	0.03	0.03	0.03
2015	CS EM – Pot	ngf.	Other ngf.	Hair crab	0.00	3.15	3.15	3.15	3.15
2015	CS EM – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.12	0.12	0.12	0.12
2015	CS EM – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Octopus, unid.	0.04	0.03	0.03	0.07	0.07
2015	CS EM – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	PHLB	0.00	0.89	0.16	0.89	0.16
2015	CS EM – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.29	1.29	1.29	1.29
2015	CS EM – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.36	0.36	0.36	0.36
2015	CS EM – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.02	0.02	0.02	0.02
2015	CS EM – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.14	0.14	0.14	0.14
2015	CS EM – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.20	0.20	0.20	0.20
2015	CS EM – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.24	0.24	0.24	0.24
2015	CS EM – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.70	0.70	0.70	0.70
2015	CS EM – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	CS EM – Pot	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.06	0.06	0.06	0.06
2015	CS EM – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2015	CS EM – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	2.63	2.63	2.63	2.63
2015	CS EM – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.59	2.59	2.59	2.59
2015	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.22	0.00	0.00	0.22	0.22
2015	Incidental	gf.	Big skate	Big skate	0.08	0.00	0.00	0.08	0.08
2015	Incidental	gf.	Black rf. (CA)	Black rf.	0.10	0.00	0.00	0.10	0.10
2015	Incidental	gf.	Black rf. (OR)	Black rf.	0.37	0.00	0.00	0.37	0.37
2015	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.38	0.00	0.00	0.38	0.38
2015	Incidental	gf.	Cabezon (CA)	Cabezon	0.03	0.00	0.00	0.03	0.03
2015	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.16	0.00	0.00	0.16	0.16
2015	Incidental	gf.	Canary rf.	Canary rf.	0.04	0.00	0.00	0.04	0.04
2015	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2015	Incidental	gf.	Dover sole	Dover sole	0.11	0.00	0.00	0.11	0.11
2015	Incidental	gf.	ECS	Soupfin shark	0.87	0.00	0.00	0.87	0.87
2015	Incidental	gf.	ECS	Spotted ratfish	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	English sole	English sole	0.14	0.00	0.00	0.14	0.14
2015	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	7.36	0.00	0.00	7.36	7.36
2015	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	7.85	0.00	0.00	7.85	7.85
2015	Incidental	gf.	Longnose skate	Longnose skate	3.55	0.00	0.00	3.55	3.55
2015	Incidental	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	LST (S of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.04	0.00	0.00	0.04	0.04
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.23	0.00	0.00	0.23	0.23
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.15	0.00	0.00	0.15	0.15
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.04	0.00	0.00	0.04	0.04
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.08	0.00	0.00	0.08	0.08
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.04	0.00	0.00	0.04	0.04
2015	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.08	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.05	0.00	0.00	0.05	0.05
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.05	0.00	0.00	0.05	0.05
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.03	0.00	0.00	0.03	0.03
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.94	0.00	0.00	1.94	1.94
2015	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.60	0.00	0.00	1.60	1.60
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.42	0.00	0.00	0.42	0.42
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.31	0.00	0.00	0.31	0.31
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.13	0.00	0.00	0.13	0.13
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2015	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	4.89	0.00	0.00	4.89	4.89
2015	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.54	0.00	0.00	0.54	0.54
2015	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2015	Incidental	gf.	Other flatfish	Curlfin sole	0.17	0.00	0.00	0.17	0.17
2015	Incidental	gf.	Other flatfish	Flatfish, unid.	3.15	0.00	0.00	3.15	3.15
2015	Incidental	gf.	Other flatfish	Pacific sanddab	0.06	0.00	0.00	0.06	0.06
2015	Incidental	gf.	Other flatfish	Rex sole	0.20	0.00	0.00	0.20	0.20
2015	Incidental	gf.	Other flatfish	Rock sole	0.40	0.00	0.00	0.40	0.40
2015	Incidental	gf.	Other flatfish	Sand sole	0.19	0.00	0.00	0.19	0.19
2015	Incidental	gf.	Other flatfish	Sanddab, unid.	0.68	0.00	0.00	0.68	0.68
2015	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2015	Incidental	gf.	Other gf.	Leopard shark	1.25	0.00	0.00	1.25	1.25
2015	Incidental	gf.	Other rf.	Rockfish, unid.	0.10	0.00	0.00	0.10	0.10

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Incidental	gf.	Pacific cod	Pacific cod	0.06	0.00	0.00	0.06	0.06
2015	Incidental	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	Incidental	gf.	Petrale sole	Petrale sole	1.55	0.00	0.00	1.55	1.55
2015	Incidental	gf.	Sablefish (N of 36°)	Sablefish	32.37	0.00	0.00	32.37	32.37
2015	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.74	0.00	0.00	0.74	0.74
2015	Incidental	gf.	SST (N of 34°27')	SST	0.20	0.00	0.00	0.20	0.20
2015	Incidental	gf.	SST (S of 34°27')	SST	0.24	0.00	0.00	0.24	0.24
2015	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.74	0.00	0.00	0.74	0.74
2015	Incidental	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.11	0.00	0.00	0.11	0.11
2015	Incidental	gf.	Starry flounder	Starry flounder	0.66	0.00	0.00	0.66	0.66
2015	Incidental	gf.	Widow rf.	Widow rf.	0.17	0.00	0.00	0.17	0.17
2015	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	4.10	0.00	0.00	4.10	4.10
2015	Incidental	ngf.	CA halibut	CA halibut	92.85	0.00	0.00	92.85	92.85
2015	Incidental	ngf.	Dungeness crab	Dungeness crab	4417.15	0.00	0.00	4417.15	4417.15
2015	Incidental	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2015	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.03	0.00	0.00	0.03	0.03
2015	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	0.08	0.00	0.00	0.08	0.08
2015	Incidental	ngf.	Other ngf.	Albacore tuna	11273.49	0.00	0.00	11273.49	11273.49
2015	Incidental	ngf.	Other ngf.	American shad	7.86	0.00	0.00	7.86	7.86
2015	Incidental	ngf.	Other ngf.	Bairdi Tanner crab	0.03	0.00	0.00	0.03	0.03
2015	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	260.65	0.00	0.00	260.65	260.65
2015	Incidental	ngf.	Other ngf.	Basket cockle	111.27	0.00	0.00	111.27	111.27
2015	Incidental	ngf.	Other ngf.	Bat ray	7.73	0.00	0.00	7.73	7.73
2015	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.08	0.00	0.00	1.08	1.08
2015	Incidental	ngf.	Other ngf.	Bigeye tuna	37.82	0.00	0.00	37.82	37.82
2015	Incidental	ngf.	Other ngf.	Bivalve, unid.	1.58	0.00	0.00	1.58	1.58
2015	Incidental	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2015	Incidental	ngf.	Other ngf.	Bluefin tuna	98.05	0.00	0.00	98.05	98.05
2015	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	10.89	0.00	0.00	10.89	10.89
2015	Incidental	ngf.	Other ngf.	Butter clam	13.92	0.00	0.00	13.92	13.92
2015	Incidental	ngf.	Other ngf.	CA barracuda	0.72	0.00	0.00	0.72	0.72
2015	Incidental	ngf.	Other ngf.	CA sheephead	0.14	0.00	0.00	0.14	0.14
2015	Incidental	ngf.	Other ngf.	CA spiny lobster	344.44	0.00	0.00	344.44	344.44
2015	Incidental	ngf.	Other ngf.	Clam, unid.	0.03	0.00	0.00	0.03	0.03
2015	Incidental	ngf.	Other ngf.	Common thresher shark	53.08	0.00	0.00	53.08	53.08
2015	Incidental	ngf.	Other ngf.	Crab, unid.	48.79	0.00	0.00	48.79	48.79
2015	Incidental	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2015	Incidental	ngf.	Other ngf.	Dorado	3.21	0.00	0.00	3.21	3.21
2015	Incidental	ngf.	Other ngf.	Echinoderm, unid.	1.47	0.00	0.00	1.47	1.47

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Incidental	ngf.	Other ngf.	Eel, unid.	0.45	0.00	0.00	0.45	0.45
2015	Incidental	ngf.	Other ngf.	Gaper clam	120.67	0.00	0.00	120.67	120.67
2015	Incidental	ngf.	Other ngf.	Ghost shrimp	22.10	0.00	0.00	22.10	22.10
2015	Incidental	ngf.	Other ngf.	Giant sea bass	2.97	0.00	0.00	2.97	2.97
2015	Incidental	ngf.	Other ngf.	Hagfish, unid.	2119.94	0.00	0.00	2119.94	2119.94
2015	Incidental	ngf.	Other ngf.	Jack mackerel	1285.41	0.00	0.00	1285.41	1285.41
2015	Incidental	ngf.	Other ngf.	King crab, unid.	6.11	0.00	0.00	6.11	6.11
2015	Incidental	ngf.	Other ngf.	Mackerel, unid.	86.16	0.00	0.00	86.16	86.16
2015	Incidental	ngf.	Other ngf.	Market squid	36806.53	0.00	0.00	36806.53	36806.53
2015	Incidental	ngf.	Other ngf.	Mixed species	42.79	0.00	0.00	42.79	42.79
2015	Incidental	ngf.	Other ngf.	Mollusc, unid.	37.28	0.00	0.00	37.28	37.28
2015	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.22	0.00	0.00	0.22	0.22
2015	Incidental	ngf.	Other ngf.	Mud clam	0.05	0.00	0.00	0.05	0.05
2015	Incidental	ngf.	Other ngf.	Mud shrimp	0.43	0.00	0.00	0.43	0.43
2015	Incidental	ngf.	Other ngf.	Northern anchovy	17669.10	0.00	0.00	17669.10	17669.10
2015	Incidental	ngf.	Other ngf.	Octopus, unid.	2.99	0.00	0.00	2.99	2.99
2015	Incidental	ngf.	Other ngf.	Pacific angel shark	10.54	0.00	0.00	10.54	10.54
2015	Incidental	ngf.	Other ngf.	Pacific bonito	136.33	0.00	0.00	136.33	136.33
2015	Incidental	ngf.	Other ngf.	Pacific herring	42.17	0.00	0.00	42.17	42.17
2015	Incidental	ngf.	Other ngf.	Pacific mackerel	5639.92	0.00	0.00	5639.92	5639.92
2015	Incidental	ngf.	Other ngf.	Pacific sardine	3832.87	0.00	0.00	3832.87	3832.87
2015	Incidental	ngf.	Other ngf.	Pelagic thresher shark	2.62	0.00	0.00	2.62	2.62
2015	Incidental	ngf.	Other ngf.	Pink shrimp	16.67	0.00	0.00	16.67	16.67
2015	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.13	0.00	0.00	0.13	0.13
2015	Incidental	ngf.	Other ngf.	Queenfish	0.02	0.00	0.00	0.02	0.02
2015	Incidental	ngf.	Other ngf.	Razor clam	60.62	0.00	0.00	60.62	60.62
2015	Incidental	ngf.	Other ngf.	Red rock crab	951.67	0.00	0.00	951.67	951.67
2015	Incidental	ngf.	Other ngf.	Red urchin	3872.64	0.00	0.00	3872.64	3872.64
2015	Incidental	ngf.	Other ngf.	Ridgeback prawn	6.31	0.00	0.00	6.31	6.31
2015	Incidental	ngf.	Other ngf.	Sculpin, unid.	0.07	0.00	0.00	0.07	0.07
2015	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	72.18	0.00	0.00	72.18	72.18
2015	Incidental	ngf.	Other ngf.	Shark, unid.	2.47	0.00	0.00	2.47	2.47
2015	Incidental	ngf.	Other ngf.	Shrimp, unid.	21.50	0.00	0.00	21.50	21.50
2015	Incidental	ngf.	Other ngf.	Skate, unid.	2.68	0.00	0.00	2.68	2.68
2015	Incidental	ngf.	Other ngf.	Skipjack tuna	107.52	0.00	0.00	107.52	107.52
2015	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.02	0.00	0.00	0.02	0.02
2015	Incidental	ngf.	Other ngf.	Spot prawn	243.73	0.00	0.00	243.73	243.73
2015	Incidental	ngf.	Other ngf.	Spotted cusk-eel	0.01	0.00	0.00	0.01	0.01
2015	Incidental	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Incidental	ngf.	Other ngf.	Surfperch, unid.	21.27	0.00	0.00	21.27	21.27
2015	Incidental	ngf.	Other ngf.	Swordfish	192.64	0.00	0.00	192.64	192.64
2015	Incidental	ngf.	Other ngf.	Tuna, unid.	0.35	0.00	0.00	0.35	0.35
2015	Incidental	ngf.	Other ngf.	Urchin, unid.	6.68	0.00	0.00	6.68	6.68
2015	Incidental	ngf.	Other ngf.	White croaker	4.35	0.00	0.00	4.35	4.35
2015	Incidental	ngf.	Other ngf.	White sea bass	91.39	0.00	0.00	91.39	91.39
2015	Incidental	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2015	Incidental	ngf.	Other ngf.	Yellowfin tuna	581.58	0.00	0.00	581.58	581.58
2015	Incidental	ngf.	Other ngf.	Yellowtail amberjack	49.55	0.00	0.00	49.55	49.55
2015	Incidental	ngf.	Shared ECS	Smelt, unid.	233.68	0.00	0.00	233.68	233.68
2015	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.09	0.22	0.22	0.31	0.31
2015	LE FG DTL – H&L	gf.	Big skate	Big skate	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	3.28	0.00	0.00	3.28	3.28
2015	LE FG DTL – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.05	0.05	0.05	0.05
2015	LE FG DTL – H&L	gf.	Canary rf.	Canary rf.	0.01	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.34	0.00	0.00	0.34	0.34
2015	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.23	0.16	0.16	1.39	1.39
2015	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.98	0.77	0.77	1.76	1.76
2015	LE FG DTL – H&L	gf.	ECS	Black skate	0.00	8.02	8.02	8.02	8.02
2015	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.12	0.12	0.12	0.12
2015	LE FG DTL – H&L	gf.	ECS	CA skate	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	gf.	ECS	Deepsea skate	0.00	0.20	0.20	0.20	0.20
2015	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.00	4.12	4.12	4.12	4.12
2015	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	24.53	0.31	0.31	24.84	24.84
2015	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	4.09	4.09	4.09	4.09
2015	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.00	66.57	66.57	66.57	66.57
2015	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	gf.	ECS	Smooth grenadier	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.03	11.86	11.86	11.90	11.90
2015	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.01	1.22	1.22	1.22	1.22
2015	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.19	0.00	0.00	1.19	1.19
2015	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.52	0.07	0.00	0.59	0.53
2015	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	3.63	18.88	9.44	22.51	13.07
2015	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	1.65	4.09	4.09	5.74	5.74
2015	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	6.56	0.71	0.71	7.27	7.27
2015	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.03	0.03	0.03	0.03
2015	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.04	0.00	0.00	0.04	0.04
2015	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.03	0.02	0.02	0.06	0.06
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.24	0.00	0.00	0.24	0.24
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.04	0.04	0.04	0.04
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.08	0.00	0.00	0.08	0.08
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.09	0.00	0.00	0.09	0.09
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.75	0.01	0.01	0.75	0.75
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	7.10	0.00	0.00	7.10	7.10
2015	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.85	0.00	0.00	0.85	0.85
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	4.44	0.00	0.00	4.44	4.44
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	6.39	0.00	0.00	6.39	6.39
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.20	0.00	0.00	0.20	0.20
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.98	0.00	0.00	0.98	0.98
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.05	0.00	0.00	0.05	0.05
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.11	0.01	0.01	1.13	1.13
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.55	0.00	0.00	0.55	0.55
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	12.33	0.64	0.64	12.97	12.97
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.06	0.02	0.02	0.09	0.09
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.18	0.00	0.00	0.18	0.18
2015	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2015	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	2.72	0.00	0.00	2.72	2.72
2015	LE FG DTL – H&L	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	1.84	0.02	0.02	1.85	1.85
2015	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	0.25	0.00	0.00	0.25	0.25
2015	LE FG DTL – H&L	gf.	Other gf.	Leopard shark	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	1.01	0.00	0.00	1.01	1.01
2015	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.07	0.00	0.00	0.07	0.07
2015	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.06	0.17	0.17	0.23	0.23
2015	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.07	0.19	0.19	0.27	0.27
2015	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	147.59	29.17	5.83	176.75	153.42
2015	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	386.26	38.13	7.63	424.39	393.89
2015	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	26.60	0.27	0.27	26.87	26.87
2015	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	64.06	3.51	3.51	67.56	67.56
2015	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	14.82	4.37	2.18	19.18	17.00
2015	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.13	0.00	0.00	0.13	0.13
2015	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.13	0.13	0.13	0.13
2015	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Barred sand bass	0.00	0.06	0.06	0.06	0.06
2015	LE FG DTL – H&L	ngf.	Other ngf.	Bat ray	0.00	0.09	0.09	0.09	0.09
2015	LE FG DTL – H&L	ngf.	Other ngf.	Bigfin eelpout	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.14	0.14	0.14	0.14
2015	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.01	3.92	3.92	3.93	3.93
2015	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.07	0.00	0.00	0.07	0.07
2015	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	4.59	4.59	4.59	4.59
2015	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.05	0.00	0.00	0.05	0.05
2015	LE FG DTL – H&L	ngf.	Other ngf.	CA king crab	0.00	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.42	0.42	0.42	0.42
2015	LE FG DTL – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea spider crab	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Dorado	0.18	0.00	0.00	0.18	0.18
2015	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	20.99	20.99	20.99	20.99
2015	LE FG DTL – H&L	ngf.	Other ngf.	Fish, unid.	0.00	0.10	0.10	0.10	0.10
2015	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.24	0.24	0.24	0.24

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE FG DTL – H&L	ngf.	Other ngf.	Hair crab	0.00	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.14	0.14	0.14	0.14
2015	LE FG DTL – H&L	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.76	0.76	0.76	0.76
2015	LE FG DTL – H&L	ngf.	Other ngf.	Longnose lancetfish	0.00	0.03	0.03	0.03	0.03
2015	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.67	0.00	0.00	0.67	0.67
2015	LE FG DTL – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.01	0.07	0.07	0.07	0.07
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.39	0.39	0.39	0.39
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.03	0.00	0.00	0.03	0.03
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.00	0.46	0.02	0.46	0.02
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.31	0.00	0.00	0.31	0.31
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	13.06	13.06	13.06	13.06
2015	LE FG DTL – H&L	ngf.	Other ngf.	Pacific tomcod	0.26	0.00	0.00	0.26	0.26
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.06	0.06	0.06	0.06
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sea fan	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.16	0.16	0.16	0.16
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.70	1.18	1.18	1.88	1.88
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sheep crab	0.00	0.07	0.07	0.07	0.07
2015	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	0.46	0.49	0.49	0.96	0.96
2015	LE FG DTL – H&L	ngf.	Other ngf.	Skipjack tuna	0.04	0.00	0.00	0.04	0.04
2015	LE FG DTL – H&L	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.53	0.53	0.53	0.53
2015	LE FG DTL – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Striped marlin	0.06	0.00	0.00	0.06	0.06
2015	LE FG DTL – H&L	ngf.	Other ngf.	White sea bass	0.03	0.00	0.00	0.03	0.03
2015	LE FG DTL – H&L	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.33	0.00	0.00	0.33	0.33
2015	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.98	0.00	0.00	0.98	0.98
2015	LE FG DTL – H&L	ngf.	Shared ECS	Smelt, unid.	0.09	0.00	0.00	0.09	0.09
2015	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.24	0.24	0.24	0.24

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	ECS	Grenadier, unid.	0.08	0.00	0.00	0.08	0.08
2015	LE FG DTL – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.03	0.00	0.00	0.03	0.03
2015	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.06	0.00	0.00	0.06	0.06
2015	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	3.70	1.00	0.20	4.70	3.90
2015	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.05	0.00	0.00	0.05	0.05
2015	LE FG DTL – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.04	0.04	0.04	0.04
2015	LE FG DTL – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.53	20.22	20.22	20.75	20.75
2015	LE Sablefish – H&L	gf.	Big skate	Big skate	1.41	0.29	0.29	1.70	1.70
2015	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2015	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.25	1.94	1.94	2.19	2.19
2015	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.20	0.15	0.15	0.35	0.35
2015	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.56	0.25	0.25	1.81	1.81
2015	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.69	0.81	0.81	2.49	2.49

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.24	0.24	0.24	0.24
2015	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	1.29	1.29	1.29	1.29
2015	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	8.84	0.33	0.33	9.17	9.17
2015	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.04	0.04	0.04	0.04
2015	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	0.54	0.54	0.54	0.54
2015	LE Sablefish – H&L	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	1.58	1.58	1.58	1.58
2015	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	1.44	1.44	1.44	1.44
2015	LE Sablefish – H&L	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	7.46	1.36	0.09	8.81	7.55
2015	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.68	0.00	0.00	0.68	0.68
2015	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	21.49	33.14	16.57	54.62	38.06
2015	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.54	0.01	0.01	0.55	0.55
2015	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.04	0.04	0.04	0.04
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.13	0.22	0.22	0.35	0.35
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.37	0.30	0.30	0.67	0.67
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.14	0.00	0.00	0.14	0.14
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.03	0.03	0.05	0.05
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.24	0.00	0.00	0.24	0.24
2015	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.04	0.00	0.00	0.04	0.04
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.04	0.04	0.05	0.05
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.27	0.29	0.29	0.56	0.56
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.39	3.98	3.98	13.37	13.37
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	19.53	13.27	13.27	32.80	32.80
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.02	0.02
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.66	1.11	1.11	2.78	2.78
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	3.02	3.02	3.02	3.02
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.09	0.00	0.00	1.09	1.09
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.03	0.03
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.26	0.08	0.08	0.34	0.34
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.25	0.00	0.00	0.25	0.25

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.18	0.00	0.00	0.18	0.18
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	3.95	1.34	1.34	5.29	5.29
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	2.00	0.01	0.01	2.02	2.02
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.47	0.09	0.09	0.56	0.56
2015	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2015	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.35	0.00	0.00	0.35	0.35
2015	LE Sablefish – H&L	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	3.31	1.38	1.38	4.70	4.70
2015	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.04	0.04	0.04	0.04
2015	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.05	0.12	0.12	0.18	0.18
2015	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.99	0.22	0.22	1.21	1.21
2015	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	924.22	194.55	38.91	1118.76	963.13
2015	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	15.55	0.00	0.00	15.55	15.55
2015	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	14.72	2.76	2.76	17.48	17.48
2015	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	1.35	0.00	0.00	1.35	1.35
2015	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.60	130.62	65.31	131.22	65.91
2015	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.05	0.13	0.13	0.18	0.18
2015	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.59	0.59	0.59	0.59
2015	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.41	0.76	0.76	1.17	1.17
2015	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Albacore tuna	0.10	0.04	0.04	0.13	0.13
2015	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.01	21.66	21.66	21.66	21.66
2015	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.27	0.27	0.27	0.27
2015	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.15	0.15	0.15	0.15
2015	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.04	0.04	0.04	0.04
2015	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.04	0.04	0.05	0.05
2015	LE Sablefish – H&L	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE Sablefish – H&L	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	5.91	125.82	10.08	131.73	15.99
2015	LE Sablefish – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	9.87	9.87	9.87	9.87
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.22	0.22	0.22	0.22
2015	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.00	1.10	1.10	1.10	1.10
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	1.52	0.32	0.32	1.83	1.83
2015	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.04	0.04	0.04	0.04
2015	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.61	0.61	0.61	0.61
2015	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.10	0.01	0.01	0.11	0.11
2015	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.07	0.69	0.69	0.75	0.75
2015	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.14	0.14	0.14	0.14
2015	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.00	0.58	0.58	0.58	0.58
2015	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2015	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.62	0.62	0.62	0.62
2015	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	3.62	2.25	2.25	5.87	5.87
2015	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.27	0.00	0.00	0.27	0.27
2015	LE Sablefish – Pot	gf.	Longnose skate	Longnose skate	0.13	0.00	0.00	0.13	0.13
2015	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.14	0.13	0.13	0.26	0.26
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.17	0.02	0.02	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.22	0.00	0.00	0.22	0.22
2015	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.09	0.00	0.00	0.09	0.09
2015	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2015	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	357.99	127.46	25.49	485.46	383.49
2015	LE Sablefish – Pot	gf.	Sablefish (S of 36°)	Sablefish	0.21	0.00	0.00	0.21	0.21
2015	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.10	0.02	0.02	0.12	0.12
2015	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.72	0.72	0.72	0.72
2015	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	1.28	1.28	1.28	1.28
2015	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2015	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.16	0.16	0.16	0.16
2015	LE Sablefish – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.06	0.06	0.06	0.06
2015	LE Sablefish – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.18	0.18	0.18	0.18
2015	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2015	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Longnose cat shark	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.44	0.44	0.44	0.44
2015	LE Sablefish – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	1.63	0.29	1.63	0.29
2015	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.09	0.09	0.09	0.09
2015	LE Sablefish – Pot	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sail jellyfish	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.16	0.16	0.16	0.16
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.15	0.15	0.15	0.15
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.18	0.18	0.18	0.18
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.01	0.01	0.01	0.01
2015	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.87	0.87	0.87	0.87
2015	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2015	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	4.68	4.68	4.68	4.68
2015	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	5.61	5.61	5.61	5.61
2015	MW Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.42	0.00	0.00	0.42	0.42
2015	MW Hake	gf.	Big skate	Big skate	0.02	0.00	0.00	0.02	0.02
2015	MW Hake	gf.	Canary rf.	Canary rf.	0.89	0.00	0.00	0.89	0.89
2015	MW Hake	gf.	Darkblotched rf.	Darkblotched rf.	3.45	0.00	0.00	3.45	3.45
2015	MW Hake	gf.	Dover sole	Dover sole	0.03	0.00	0.00	0.03	0.03
2015	MW Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2015	MW Hake	gf.	Groundfish unid	Groundfish, unid.	0.34	0.00	0.00	0.34	0.34
2015	MW Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.59	0.00	0.00	0.59	0.59
2015	MW Hake	gf.	Longnose skate	Longnose skate	0.05	0.00	0.00	0.05	0.05
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.16	0.00	0.00	0.16	0.16
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.25	0.00	0.00	0.25	0.25

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.55	0.00	0.00	0.55	0.55
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.04	0.00	0.00	0.04	0.04
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.74	0.00	0.00	3.74	3.74
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.68	0.00	0.00	0.68	0.68
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.31	0.00	0.00	1.31	1.31
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	13.50	0.01	0.01	13.51	13.51
2015	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.07	0.00	0.00	0.07	0.07
2015	MW Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2015	MW Hake	gf.	Other flatfish	Rex sole	0.39	0.00	0.00	0.39	0.39
2015	MW Hake	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	gf.	Pacific hake	Pacific hake	11461.43	43.74	43.74	11505.17	11505.17
2015	MW Hake	gf.	POP (N of 40°10')	POP	1.83	0.00	0.00	1.83	1.83
2015	MW Hake	gf.	Sablefish (N of 36°)	Sablefish	0.52	0.00	0.00	0.52	0.52
2015	MW Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.00	0.00	0.02	0.02
2015	MW Hake	gf.	SST (N of 34°27')	SST	3.18	0.00	0.00	3.18	3.18
2015	MW Hake	gf.	Spiny dogfish	Spiny dogfish shark	3.17	0.01	0.01	3.18	3.18
2015	MW Hake	gf.	Widow rf.	Widow rf.	79.17	0.00	0.00	79.18	79.18
2015	MW Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	39.69	0.01	0.01	39.70	39.70
2015	MW Hake	ngf.	Other ngf.	American shad	43.56	0.00	0.00	43.56	43.56
2015	MW Hake	ngf.	Other ngf.	Blue shark	0.08	0.04	0.04	0.11	0.11
2015	MW Hake	ngf.	Other ngf.	Brown cat shark	0.26	0.00	0.00	0.26	0.26
2015	MW Hake	ngf.	Other ngf.	Jack mackerel	96.34	0.04	0.04	96.38	96.38
2015	MW Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.22	0.22	0.22	0.22
2015	MW Hake	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	ngf.	Other ngf.	Mixed species	2.59	0.00	0.00	2.59	2.59
2015	MW Hake	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	ngf.	Other ngf.	PHLB	0.14	0.00	0.00	0.14	0.14
2015	MW Hake	ngf.	Other ngf.	Pacific herring	0.98	0.00	0.00	0.98	0.98
2015	MW Hake	ngf.	Other ngf.	Pacific mackerel	1.31	0.00	0.00	1.31	1.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Hake	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.28	0.28	0.28	0.28
2015	MW Hake	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.36	0.36	0.36	0.36
2015	MW Hake	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	MW Hake	ngf.	Other ngf.	Salmon shark	0.00	1.31	1.31	1.31	1.31
2015	MW Hake	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	ngf.	Other ngf.	Shark, unid.	0.70	1.02	1.02	1.72	1.72
2015	MW Hake	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake	ngf.	Other ngf.	Squid, unid.	6.34	0.85	0.85	7.19	7.19
2015	MW Hake	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2015	MW Hake	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Arrowtooth flounder	Arrowtooth flounder	6.29	0.00	0.00	6.29	6.29
2015	MW Hake EM	gf.	Big skate	Big skate	0.12	0.00	0.00	0.12	0.12
2015	MW Hake EM	gf.	Canary rf.	Canary rf.	2.89	0.00	0.00	2.89	2.89
2015	MW Hake EM	gf.	Darkblotched rf.	Darkblotched rf.	27.99	0.02	0.02	28.01	28.01
2015	MW Hake EM	gf.	Dover sole	Dover sole	0.28	0.00	0.00	0.28	0.28
2015	MW Hake EM	gf.	ECS	Soupfin shark	0.08	0.00	0.00	0.08	0.08
2015	MW Hake EM	gf.	ECS	Spotted ratfish	0.02	0.00	0.00	0.02	0.02
2015	MW Hake EM	gf.	English sole	English sole	0.37	0.00	0.00	0.37	0.37
2015	MW Hake EM	gf.	Groundfish unid	Groundfish, unid.	2.17	0.00	0.00	2.17	2.17
2015	MW Hake EM	gf.	Lingcod (N of 40°10')	Lingcod	2.31	0.00	0.00	2.32	2.32
2015	MW Hake EM	gf.	Longnose skate	Longnose skate	0.18	0.00	0.00	0.18	0.18
2015	MW Hake EM	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.15	0.00	0.00	0.15	0.15
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.30	0.00	0.00	0.30	0.30
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.96	0.00	0.00	0.96	0.96
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.16	0.00	0.00	0.16	0.16
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.04	0.00	0.00	0.04	0.04
2015	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.09	0.00	0.00	0.09	0.09
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	15.52	0.00	0.00	15.52	15.52
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.40	0.00	0.00	1.40	1.40
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.17	0.00	0.00	0.17	0.17
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	8.71	0.00	0.00	8.72	8.72

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	72.34	0.03	0.03	72.38	72.38
2015	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.82	0.00	0.00	0.82	0.82
2015	MW Hake EM	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2015	MW Hake EM	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Other flatfish	Rex sole	5.86	0.00	0.00	5.86	5.86
2015	MW Hake EM	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Hake EM	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2015	MW Hake EM	gf.	Pacific hake	Pacific hake	46439.83	76.38	76.38	46516.20	46516.20
2015	MW Hake EM	gf.	POP (N of 40°10')	POP	18.26	0.00	0.00	18.27	18.27
2015	MW Hake EM	gf.	Petrale sole	Petrale sole	0.02	0.00	0.00	0.02	0.02
2015	MW Hake EM	gf.	Sablefish (N of 36°)	Sablefish	6.41	0.03	0.03	6.44	6.44
2015	MW Hake EM	gf.	Shortbelly rf.	Shortbelly rf.	0.71	0.00	0.00	0.71	0.71
2015	MW Hake EM	gf.	SST (N of 34°27')	SST	19.41	0.01	0.01	19.42	19.42
2015	MW Hake EM	gf.	Spiny dogfish	Spiny dogfish shark	187.02	0.05	0.05	187.07	187.07
2015	MW Hake EM	gf.	Widow rf.	Widow rf.	244.03	0.22	0.22	244.25	244.25
2015	MW Hake EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	90.26	0.02	0.02	90.28	90.28
2015	MW Hake EM	ngf.	Dungeness crab	Dungeness crab	0.01	0.00	0.00	0.01	0.01
2015	MW Hake EM	ngf.	Other ngf.	American shad	86.04	0.08	0.08	86.12	86.12
2015	MW Hake EM	ngf.	Other ngf.	Blue shark	0.65	0.00	0.00	0.65	0.65
2015	MW Hake EM	ngf.	Other ngf.	Brown cat shark	7.44	0.00	0.00	7.44	7.44
2015	MW Hake EM	ngf.	Other ngf.	Common thresher shark	0.40	0.00	0.00	0.40	0.40
2015	MW Hake EM	ngf.	Other ngf.	Jack mackerel	128.92	0.05	0.05	128.97	128.97
2015	MW Hake EM	ngf.	Other ngf.	Mackerel, unid.	0.03	0.00	0.00	0.03	0.03
2015	MW Hake EM	ngf.	Other ngf.	Mixed species	6.77	0.00	0.00	6.78	6.78
2015	MW Hake EM	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2015	MW Hake EM	ngf.	Other ngf.	PHLB	0.56	0.56	0.56	1.11	1.11
2015	MW Hake EM	ngf.	Other ngf.	Pacific herring	1.09	0.00	0.00	1.09	1.09
2015	MW Hake EM	ngf.	Other ngf.	Pacific mackerel	1.57	0.00	0.00	1.57	1.57
2015	MW Hake EM	ngf.	Other ngf.	Pacific sardine	0.05	0.00	0.00	0.05	0.05
2015	MW Hake EM	ngf.	Other ngf.	Shark, unid.	5.13	0.00	0.00	5.13	5.13
2015	MW Hake EM	ngf.	Other ngf.	Skate, unid.	0.04	0.00	0.00	0.04	0.04
2015	MW Hake EM	ngf.	Other ngf.	Squid, unid.	33.59	0.04	0.04	33.63	33.63
2015	MW Hake EM	ngf.	Other ngf.	Swordfish	0.11	0.00	0.00	0.11	0.11
2015	MW Hake EM	ngf.	Other ngf.	Walleye pollock	0.76	0.00	0.00	0.76	0.76
2015	MW Rf.	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Big skate	Big skate	0.01	0.01	0.01	0.01	0.01
2015	MW Rf.	gf.	Black rf. (WA)	Black rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	gf.	Canary rf.	Canary rf.	2.12	0.00	0.00	2.12	2.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Rf.	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	ECS	Soupfin shark	0.02	0.01	0.01	0.03	0.03
2015	MW Rf.	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Lingcod (N of 40°10')	Lingcod	5.55	0.01	0.01	5.56	5.56
2015	MW Rf.	gf.	Longnose skate	Longnose skate	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.00	0.00	0.05	0.05
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.64	0.00	0.00	0.64	0.64
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.61	0.45	0.45	1.06	1.06
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	gf.	Pacific hake	Pacific hake	15.15	3.20	3.20	18.35	18.35
2015	MW Rf.	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	gf.	Spiny dogfish	Spiny dogfish shark	4.63	0.13	0.13	4.76	4.76
2015	MW Rf.	gf.	Widow rf.	Widow rf.	213.04	0.00	0.00	213.04	213.04
2015	MW Rf.	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	741.76	0.12	0.12	741.89	741.89
2015	MW Rf.	ngf.	Other ngf.	American shad	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	ngf.	Other ngf.	Bigeye thresher shark	0.00	0.18	0.18	0.18	0.18
2015	MW Rf.	ngf.	Other ngf.	Common thresher shark	0.00	0.23	0.23	0.23	0.23
2015	MW Rf.	ngf.	Other ngf.	Herring, unid.	0.00	3.65	3.65	3.65	3.65
2015	MW Rf.	ngf.	Other ngf.	Jack mackerel	13.63	0.01	0.01	13.64	13.64
2015	MW Rf.	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.09	0.09	0.09	0.09
2015	MW Rf.	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	ngf.	Other ngf.	Pacific herring	12.28	11.80	11.80	24.08	24.08
2015	MW Rf.	ngf.	Other ngf.	Pacific mackerel	1.12	0.00	0.00	1.12	1.12
2015	MW Rf.	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2015	MW Rf.	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.07	0.07	0.07	0.07

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Rf.	ngf.	Other ngf.	Skate, unid.	0.00	0.01	0.01	0.02	0.02
2015	MW Rf.	ngf.	Other ngf.	Squid, unid.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf.	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Big skate	Big skate	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Canary rf.	Canary rf.	25.34	0.03	0.03	25.37	25.37
2015	MW Rf. EM	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Lingcod (N of 40°10')	Lingcod	0.36	0.00	0.00	0.36	0.36
2015	MW Rf. EM	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2015	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.21	0.00	0.00	0.21	0.21
2015	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.57	0.00	0.00	0.57	0.57
2015	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2015	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.27	0.00	0.00	0.27	0.27
2015	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Pacific hake	Pacific hake	38.64	0.02	0.02	38.66	38.66
2015	MW Rf. EM	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	MW Rf. EM	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	gf.	Spiny dogfish	Spiny dogfish shark	49.48	0.01	0.01	49.49	49.49
2015	MW Rf. EM	gf.	Widow rf.	Widow rf.	266.15	0.88	0.88	267.03	267.03
2015	MW Rf. EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	451.95	0.27	0.27	452.22	452.22
2015	MW Rf. EM	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	MW Rf. EM	ngf.	Other ngf.	American shad	18.53	0.00	0.00	18.53	18.53
2015	MW Rf. EM	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	ngf.	Other ngf.	Jack mackerel	13.87	0.00	0.00	13.87	13.87
2015	MW Rf. EM	ngf.	Other ngf.	Mixed species	0.13	0.00	0.00	0.13	0.13
2015	MW Rf. EM	ngf.	Other ngf.	Pacific herring	29.32	0.13	0.13	29.45	29.45
2015	MW Rf. EM	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2015	MW Rf. EM	ngf.	Other ngf.	Squid, unid.	0.19	0.00	0.00	0.19	0.19
2015	MW Rf. EM	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Black rf. (CA)	Black rf.	101.52	6.91	2.87	108.43	104.39
2015	Nearshore	gf.	Black rf. (OR)	Black rf.	120.28	3.26	0.84	123.54	121.13
2015	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.55	0.00	0.00	1.55	1.55
2015	Nearshore	gf.	Cabezon (CA)	Cabezon	34.95	5.67	0.40	40.61	35.34
2015	Nearshore	gf.	Cabezon (OR)	Cabezon	16.35	2.25	0.16	18.61	16.51
2015	Nearshore	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.00	0.02	0.00	0.02	0.00
2015	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.20	0.01	0.00	2.22	2.21
2015	Nearshore	gf.	Canary rf.	Canary rf.	0.00	14.31	9.48	14.31	9.48
2015	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.13	0.00	0.00	0.13	0.13
2015	Nearshore	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	ECS	CA skate	0.01	0.30	0.02	0.31	0.03
2015	Nearshore	gf.	ECS	Grenadier, unid.	0.12	0.00	0.00	0.12	0.12
2015	Nearshore	gf.	ECS	Soupfin shark	1.55	0.10	0.01	1.65	1.56
2015	Nearshore	gf.	ECS	Spotted ratfish	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	67.45	40.47	2.83	107.92	70.28
2015	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	35.28	27.87	1.95	63.15	37.23
2015	Nearshore	gf.	Longnose skate	Longnose skate	0.14	0.12	0.01	0.27	0.15
2015	Nearshore	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	LST (S of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	4.44	10.65	3.81	15.09	8.25
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.10	0.00	0.00	0.10	0.10
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	4.11	0.59	0.19	4.70	4.30
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.80	0.04	0.01	0.84	0.81
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.26	0.03	0.01	0.28	0.26
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	1.56	0.17	0.08	1.73	1.64

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	14.69	0.57	0.32	15.25	15.00
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	6.90	5.35	3.31	12.25	10.21
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	25.18	2.05	1.24	27.22	26.42
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.01	0.08	0.06	0.09	0.07
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.43	0.71	0.46	2.15	1.89
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	8.55	0.72	0.51	9.27	9.06
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	28.31	4.05	2.61	32.36	30.92
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	13.47	0.09	0.05	13.55	13.52
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.92	0.20	0.11	1.12	1.03
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.20	0.00	0.00	0.20	0.20
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.97	0.59	0.42	1.56	1.39
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.23	0.00	0.00	0.23	0.23
2015	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	2.64	1.02	0.64	3.66	3.28
2015	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.05	0.05	0.05	0.05
2015	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.29	0.07	0.04	0.36	0.33
2015	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	2.47	0.23	0.08	2.71	2.55
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.18	0.00	0.00	0.18	0.18
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.24	0.00	0.00	0.24	0.24
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.05	0.01	0.01	0.06	0.06
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.12	0.03	0.03	0.15	0.15
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.96	0.00	0.00	0.96	0.96
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.32	0.00	0.00	0.32	0.32
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.10	0.10	0.10	0.10
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.64	0.01	0.01	0.65	0.65
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	14.00	0.17	0.12	14.16	14.12
2015	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.85	0.22	0.13	1.06	0.98
2015	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.14	0.00	0.00	0.14	0.14
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.87	0.00	0.00	0.87	0.87

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2015	Nearshore	gf.	Mixed thornyheads	SST/LST	0.12	0.00	0.00	0.12	0.12
2015	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	gf.	Other flatfish	Pacific sanddab	1.96	0.01	0.00	1.97	1.96
2015	Nearshore	gf.	Other flatfish	Rock sole	0.05	0.05	0.00	0.10	0.05
2015	Nearshore	gf.	Other flatfish	Sand sole	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.04	0.00	0.00	0.04	0.04
2015	Nearshore	gf.	Other gf.	Kelp greenling (CA)	6.28	0.95	0.07	7.23	6.35
2015	Nearshore	gf.	Other gf.	Kelp greenling (OR)	12.92	1.03	0.07	13.95	12.99
2015	Nearshore	gf.	Other gf.	Leopard shark	0.54	0.00	0.00	0.54	0.54
2015	Nearshore	gf.	Other rf.	Rockfish, unid.	0.15	0.00	0.00	0.15	0.15
2015	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.02	0.00	0.02	0.00
2015	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	0.83	0.00	0.00	0.83	0.83
2015	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	5.81	0.00	0.00	5.81	5.81
2015	Nearshore	gf.	SST (N of 34°27')	SST	0.05	0.00	0.00	0.05	0.05
2015	Nearshore	gf.	SST (S of 34°27')	SST	1.05	0.00	0.00	1.05	1.05
2015	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.11	0.55	0.04	0.66	0.15
2015	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	gf.	Starry flounder	Starry flounder	0.15	0.00	0.00	0.15	0.15
2015	Nearshore	gf.	Widow rf.	Widow rf.	0.16	0.02	0.01	0.18	0.17
2015	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	3.22	1.62	3.22	1.62
2015	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.50	2.15	0.54	3.65	2.03
2015	Nearshore	ngf.	CA halibut	CA halibut	0.65	0.00	0.00	0.65	0.65
2015	Nearshore	ngf.	Dungeness crab	Dungeness crab	3.00	0.24	0.24	3.24	3.24
2015	Nearshore	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	4.85	4.85	4.85	4.85
2015	Nearshore	ngf.	Other ngf.	Bass, unid.	0.00	0.08	0.08	0.08	0.08
2015	Nearshore	ngf.	Other ngf.	Bat ray	0.43	1.25	1.25	1.68	1.68
2015	Nearshore	ngf.	Other ngf.	Bigeye thresher shark	0.05	0.00	0.00	0.05	0.05
2015	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Black croaker	0.00	0.02	0.02	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	4.79	4.79	4.79	4.79
2015	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.15	0.15	0.15	0.15
2015	Nearshore	ngf.	Other ngf.	Bluefin tuna	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.06	0.06	0.06	0.06
2015	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.07	0.07	0.07	0.07
2015	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.87	0.87	0.87	0.87
2015	Nearshore	ngf.	Other ngf.	Bull sculpin	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	CA barracuda	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	ngf.	Other ngf.	CA sheephead	34.84	40.24	40.24	75.08	75.08
2015	Nearshore	ngf.	Other ngf.	CA spiny lobster	4.02	0.00	0.00	4.02	4.02
2015	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.03	0.03	0.03	0.03
2015	Nearshore	ngf.	Other ngf.	Common thresher shark	0.41	0.00	0.00	0.41	0.41
2015	Nearshore	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Crab, unid.	3.47	0.00	0.00	3.47	3.47
2015	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.50	0.50	0.50	0.50
2015	Nearshore	ngf.	Other ngf.	Eel, unid.	0.03	0.00	0.00	0.03	0.03
2015	Nearshore	ngf.	Other ngf.	Eelpout, unid.	0.00	0.08	0.08	0.08	0.08
2015	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	1.75	1.75	1.75	1.75
2015	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.04	0.04	0.04	0.04
2015	Nearshore	ngf.	Other ngf.	Heart crab	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Jack mackerel	0.01	0.08	0.08	0.09	0.09
2015	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	26.47	26.47	26.47	26.47
2015	Nearshore	ngf.	Other ngf.	Kelpfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	King crab, unid.	0.04	0.00	0.00	0.04	0.04
2015	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.07	0.00	0.00	0.08	0.08
2015	Nearshore	ngf.	Other ngf.	Mixed species	2.29	0.00	0.00	2.29	2.29
2015	Nearshore	ngf.	Other ngf.	Mollusc, unid.	2.51	0.03	0.03	2.55	2.55
2015	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.09	0.09	0.09	0.09
2015	Nearshore	ngf.	Other ngf.	Octopus, unid.	1.39	0.05	0.05	1.44	1.44
2015	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.11	0.11	0.11	0.11
2015	Nearshore	ngf.	Other ngf.	Pacific bonito	2.71	0.00	0.00	2.71	2.71
2015	Nearshore	ngf.	Other ngf.	PHLB	0.00	1.44	1.44	1.44	1.44
2015	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.26	0.02	0.02	0.28	0.28
2015	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.15	0.15	0.15	0.15
2015	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.02	0.02	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.29	0.29	0.29	0.29

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Nearshore	ngf.	Other ngf.	Red rock crab	54.68	1.51	1.51	56.19	56.19
2015	Nearshore	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Rock greenling	0.12	0.02	0.02	0.13	0.13
2015	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.05	0.05	0.05	0.05
2015	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.16	0.16	0.16	0.16
2015	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.05	0.35	0.35	0.40	0.40
2015	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.02	0.23	0.23	0.25	0.25
2015	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.04	0.04	0.04	0.04
2015	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	0.92	0.92	0.92	0.92
2015	Nearshore	ngf.	Other ngf.	Shark, unid.	1.20	0.37	0.37	1.57	1.57
2015	Nearshore	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Skate, unid.	0.11	0.00	0.00	0.11	0.11
2015	Nearshore	ngf.	Other ngf.	Skipjack tuna	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	Spot prawn	1.38	0.00	0.00	1.38	1.38
2015	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.08	0.08	0.08	0.08
2015	Nearshore	ngf.	Other ngf.	Stony coral	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.05	0.05	0.05	0.05
2015	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.20	0.00	0.00	0.20	0.20
2015	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.25	0.25	0.25	0.25
2015	Nearshore	ngf.	Other ngf.	Swordfish	0.25	0.00	0.00	0.25	0.25
2015	Nearshore	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.04	0.04	0.04	0.04
2015	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2015	Nearshore	ngf.	Other ngf.	White croaker	0.04	0.08	0.08	0.12	0.12
2015	Nearshore	ngf.	Other ngf.	White sea bass	0.58	0.00	0.00	0.58	0.58
2015	Nearshore	ngf.	Other ngf.	Wolf-eel	0.06	1.13	1.13	1.19	1.19
2015	Nearshore	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Other ngf.	Yellowfin tuna	0.02	0.00	0.00	0.02	0.02
2015	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.30	0.00	0.00	0.30	0.30
2015	Nearshore	ngf.	Shared ECS	Jacksmelt	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2015	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	gf.	Big skate	Big skate	0.00	29.43	14.72	29.43	14.72
2015	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	gf.	ECS	CA skate	0.00	14.31	14.31	14.31	14.31
2015	OA CA Halibut	gf.	ECS	Soupfin shark	0.14	0.00	0.00	0.14	0.14
2015	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA CA Halibut	gf.	English sole	English sole	0.04	1.79	1.79	1.82	1.82
2015	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.26	0.06	0.03	0.32	0.29
2015	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.02	0.06	0.03	0.08	0.05
2015	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.06	0.06	0.06	0.06
2015	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	gf.	Other flatfish	Curlfin sole	2.39	4.68	4.68	7.07	7.07
2015	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.76	0.04	0.04	0.80	0.80
2015	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.01	1.54	1.54	1.55	1.55
2015	OA CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	gf.	Other flatfish	Rock sole	0.09	1.04	1.04	1.13	1.13
2015	OA CA Halibut	gf.	Other flatfish	Sand sole	5.37	2.78	2.78	8.14	8.14
2015	OA CA Halibut	gf.	Other gf.	Leopard shark	0.17	2.83	2.83	3.00	3.00
2015	OA CA Halibut	gf.	Petrale sole	Petrale sole	1.16	0.09	0.09	1.25	1.25
2015	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	2.36	2.36	2.36	2.36
2015	OA CA Halibut	gf.	Starry flounder	Starry flounder	6.06	1.13	1.13	7.19	7.19
2015	OA CA Halibut	ngf.	CA halibut	CA halibut	92.05	11.28	11.28	103.34	103.34
2015	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	132.50	132.50	132.50	132.50
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.33	0.33	0.33	0.33
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.12	0.12	0.12	0.12
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.43	0.20	0.20	0.63	0.63
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.08	0.08	0.08	0.08
2015	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.03	0.03	0.03	0.03
2015	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.10	0.10	0.10	0.10
2015	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.05	0.05	0.05	0.05
2015	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.07	41.08	41.08	41.15	41.15
2015	OA CA Halibut	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	8.98	8.98	8.98	8.98
2015	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.00	0.27	0.27	0.27	0.27
2015	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.12	0.04	0.04	0.16	0.16
2015	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA CA Halibut	ngf.	Other ngf.	Filetail cat shark	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.37	0.37	0.37	0.37
2015	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.36	1.36	1.36	1.36
2015	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.78	0.78	0.78	0.78
2015	OA CA Halibut	ngf.	Other ngf.	Jack mackerel	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	0.08	0.08	0.08	0.08
2015	OA CA Halibut	ngf.	Other ngf.	Mantis shrimp	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.18	0.18	0.18	0.18
2015	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.04	0.04	0.04	0.04
2015	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	2.78	0.18	0.18	2.96	2.96
2015	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.03	0.03	0.03	0.03
2015	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.16	1.16	1.16	1.16
2015	OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.10	0.10	0.10	0.10
2015	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.16	0.16	0.16	0.16
2015	OA CA Halibut	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.05	0.05	0.05	0.05
2015	OA CA Halibut	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.04	0.04	0.04	0.04
2015	OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	2.50	2.50	2.50	2.50
2015	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.50	0.00	0.00	0.50	0.50
2015	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Round stingray	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Sarcastic fringehead	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.21	0.21	0.21	0.21
2015	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.22	0.00	0.00	0.22	0.22
2015	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.09	0.09	0.09	0.09
2015	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2015	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.18	0.18	0.18	0.18
2015	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.00	0.54	0.54	0.54	0.54

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	1.13	1.13	1.13	1.13
2015	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.14	0.14	0.14	0.14
2015	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	Sixgill shark	0.00	0.02	0.02	0.02	0.02
2015	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.08	0.25	0.25	0.33	0.33
2015	OA CA Halibut	ngf.	Other ngf.	Spot prawn	0.03	0.00	0.00	0.03	0.03
2015	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.02	0.02	0.02	0.02
2015	OA CA Halibut	ngf.	Other ngf.	Spotted batfish	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.09	0.09	0.09	0.09
2015	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	6.07	6.07	6.07	6.07
2015	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.06	0.06	0.06	0.06
2015	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	1.86	1.86	1.86	1.86
2015	OA CA Halibut	ngf.	Other ngf.	Thresher shark, unid.	0.00	0.06	0.06	0.06	0.06
2015	OA CA Halibut	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA CA Halibut	ngf.	Other ngf.	White croaker	0.02	2.60	2.60	2.62	2.62
2015	OA CA Halibut	ngf.	Other ngf.	White sea bass	3.19	0.01	0.01	3.20	3.20
2015	OA CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.11	0.11	0.11	0.11
2015	OA CA Halibut	ngf.	Other ngf.	Xantus swimming crab	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2015	OA CA Halibut	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.04	0.04	0.04	0.04
2015	OA CA Halibut	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2015	OA CA Halibut	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.11	0.63	0.63	0.74	0.74
2015	OA FG – H&L	gf.	Big skate	Big skate	1.18	0.61	0.61	1.80	1.80
2015	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.46	0.00	0.00	0.46	0.46
2015	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.84	0.00	0.00	2.84	2.84
2015	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.04	0.00	0.00	0.04	0.04
2015	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.05	1.05	1.05	1.10	1.10
2015	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.48	0.00	0.00	0.48	0.48
2015	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.25	0.05	0.05	0.30	0.30
2015	OA FG – H&L	gf.	Dover sole	Dover sole	0.05	0.50	0.50	0.55	0.55
2015	OA FG – H&L	gf.	ECS	Black skate	0.00	2.14	2.14	2.14	2.14
2015	OA FG – H&L	gf.	ECS	CA skate	0.00	0.02	0.02	0.02	0.02
2015	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	1.17	1.17	1.17	1.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – H&L	gf.	ECS	Grenadier, unid.	22.29	0.15	0.15	22.44	22.44
2015	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	2.42	2.42	2.42	2.42
2015	OA FG – H&L	gf.	ECS	Pacific grenadier	0.00	82.51	82.51	82.51	82.51
2015	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.18	0.18	0.18	0.18
2015	OA FG – H&L	gf.	ECS	Soupfin shark	0.10	0.00	0.00	0.10	0.10
2015	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	1.62	1.62	1.62	1.62
2015	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	43.23	0.31	0.02	43.54	43.25
2015	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	43.30	0.07	0.01	43.38	43.31
2015	OA FG – H&L	gf.	Longnose skate	Longnose skate	0.87	7.38	3.69	8.26	4.56
2015	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.37	0.37	0.37	0.37
2015	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.45	0.00	0.00	0.45	0.45
2015	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.08	0.00	0.00	0.08	0.08
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.09	0.00	0.00	0.09	0.09
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.03	0.00	0.00	0.03	0.03
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.02	0.02	0.02	0.02
2015	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.03	0.00	0.00	0.03	0.03
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.01	0.01	0.03	0.03
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.09	0.02	0.02	0.11	0.11
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.10	0.00	0.00	0.10	0.10
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.15	0.00	0.00	0.15	0.15
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.06	0.00	0.00	0.06	0.06
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.77	0.00	0.00	0.77	0.77
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.18	0.00	0.00	1.18	1.18
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.11	0.00	0.00	0.11	0.11
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.21	0.00	0.00	0.21	0.21
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	16.05	0.00	0.00	16.05	16.05
2015	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	1.79	0.00	0.00	1.79	1.79
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.63	0.00	0.00	0.63	0.63
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	2.27	0.23	0.23	2.49	2.49
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.94	0.23	0.23	1.17	1.17
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.00	0.00	0.08	0.08
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.03	0.03	0.06	0.06
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.01	0.01	0.02	0.02
2015	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.09	0.00	0.00	0.09	0.09
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.07	0.00	0.00	0.07	0.07
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	2.11	0.00	0.00	2.11	2.11
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.09	0.00	0.00	0.09	0.09
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.23	0.00	0.00	0.23	0.23
2015	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.18	0.00	0.00	0.18	0.18
2015	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.86	0.00	0.00	0.86	0.86
2015	OA FG – H&L	gf.	Other flatfish	Rock sole	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	4.63	0.00	0.00	4.63	4.63
2015	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Other gf.	Leopard shark	2.24	0.00	0.00	2.24	2.24
2015	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.39	0.00	0.00	0.39	0.39
2015	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.50	0.00	0.00	0.50	0.50
2015	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.01	0.01	0.01	0.02	0.02
2015	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.33	0.04	0.04	0.37	0.37
2015	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	179.17	51.53	10.31	230.70	189.47
2015	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	24.12	0.11	0.02	24.23	24.14
2015	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.08	3.29	3.29	3.37	3.37
2015	OA FG – H&L	gf.	SST (S of 34°27')	SST	7.45	0.79	0.79	8.24	8.24

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.13	15.97	7.98	16.10	8.11
2015	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.12	0.00	0.00	0.12	0.12
2015	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.34	0.00	0.00	0.34	0.34
2015	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.17	0.17	0.17	0.17
2015	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.12	0.00	0.00	0.12	0.12
2015	OA FG – H&L	ngf.	CA halibut	CA halibut	1.05	0.00	0.00	1.05	1.05
2015	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Bat ray	0.15	0.00	0.00	0.15	0.15
2015	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.00	5.14	5.14	5.14	5.14
2015	OA FG – H&L	ngf.	Other ngf.	Bluefin tuna	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.09	0.09	0.09	0.09
2015	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	ngf.	Other ngf.	Common thresher shark	0.10	0.00	0.00	0.10	0.10
2015	OA FG – H&L	ngf.	Other ngf.	Dorado	0.16	0.00	0.00	0.16	0.16
2015	OA FG – H&L	ngf.	Other ngf.	Eastern Pacific black ghost shark	0.00	0.11	0.11	0.11	0.11
2015	OA FG – H&L	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.24	0.24	0.24	0.24
2015	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	OA FG – H&L	ngf.	Other ngf.	Hair crab	0.00	0.03	0.03	0.03	0.03
2015	OA FG – H&L	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.47	0.47	0.47	0.47
2015	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	Kelp bass	0.00	0.04	0.04	0.04	0.04
2015	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.08	0.08	0.08	0.08
2015	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.06	0.00	0.00	0.06	0.06
2015	OA FG – H&L	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2015	OA FG – H&L	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.07	0.00	0.00	0.07	0.07
2015	OA FG – H&L	ngf.	Other ngf.	PHLB	0.00	10.13	0.46	10.13	0.46
2015	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.33	0.00	0.00	0.33	0.33
2015	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	11.81	11.81	11.81	11.81
2015	OA FG – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.28	0.28	0.28	0.28
2015	OA FG – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2015	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.03	0.00	0.00	0.03	0.03
2015	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.29	0.00	0.00	0.29	0.29
2015	OA FG – H&L	ngf.	Other ngf.	Skipjack tuna	0.06	0.00	0.00	0.06	0.06
2015	OA FG – H&L	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Other ngf.	Striped marlin	0.05	0.00	0.00	0.05	0.05
2015	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2015	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.38	0.00	0.00	0.38	0.38
2015	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.05	0.00	0.00	0.05	0.05
2015	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.23	0.00	0.00	0.23	0.23
2015	OA FG – H&L	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.05	0.00	0.00	0.05	0.05
2015	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.06	0.06	0.06	0.06
2015	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.29	0.29	0.30	0.30
2015	OA FG – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – Pot	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.03	0.03	0.03	0.03
2015	OA FG – Pot	gf.	Dover sole	Dover sole	0.23	0.15	0.15	0.38	0.38
2015	OA FG – Pot	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2015	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.16	0.00	0.00	1.16	1.16
2015	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.48	0.29	0.29	0.78	0.78
2015	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2015	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.03	0.01	0.01	0.04	0.04
2015	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.34	0.00	0.00	0.34	0.34
2015	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.34	0.00	0.00	0.34	0.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.03	0.03	0.03	0.03
2015	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.02	0.00	0.00	0.02	0.02
2015	OA FG – Pot	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.04	0.02	0.02	0.07	0.07
2015	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	211.66	58.33	11.67	269.99	223.33
2015	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	8.65	0.02	0.00	8.67	8.65
2015	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.01	0.04	0.04	0.05	0.05
2015	OA FG – Pot	gf.	SST (S of 34°27')	SST	0.00	0.01	0.01	0.01	0.01
2015	OA FG – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.10	0.10	0.10	0.10
2015	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	gf.	Starry flounder	Starry flounder	11.14	0.00	0.00	11.14	11.14
2015	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	0.70	0.00	0.00	0.70	0.70
2015	OA FG – Pot	ngf.	Other ngf.	Albacore tuna	2.19	0.00	0.00	2.19	2.19
2015	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.30	0.30	0.30	0.30
2015	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.17	0.00	0.00	0.17	0.17
2015	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	2.25	2.25	2.25	2.25
2015	OA FG – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.02	0.02	0.02	0.02
2015	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	5.25	0.00	0.00	5.25	5.25
2015	OA FG – Pot	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.08	0.08	0.08	0.08
2015	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.54	0.00	0.00	0.54	0.54
2015	OA FG – Pot	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.07	0.00	0.00	0.07	0.07
2015	OA FG – Pot	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	ngf.	Other ngf.	Red rock crab	1.86	0.00	0.00	1.86	1.86
2015	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.04	0.04	0.04	0.04
2015	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2015	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.09	0.09	0.09	0.09
2015	OA FG – Pot	ngf.	Other ngf.	Surfperch, unid.	0.01	0.00	0.00	0.01	0.01
2015	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.17	0.17	0.17	0.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.27	0.27	0.27	0.27
2015	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.22	0.00	0.00	0.22	0.22
2015	PHLB Derby	gf.	Big skate	Big skate	0.08	0.00	0.00	0.08	0.08
2015	PHLB Derby	gf.	Canary rf.	Canary rf.	0.03	0.00	0.00	0.03	0.03
2015	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2015	PHLB Derby	gf.	Dover sole	Dover sole	0.04	0.00	0.00	0.04	0.04
2015	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.85	0.00	0.00	1.85	1.85
2015	PHLB Derby	gf.	Longnose skate	Longnose skate	2.92	0.00	0.00	2.92	2.92
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.08	0.00	0.00	0.08	0.08
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.05	0.00	0.00	0.05	0.05
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2015	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.36	0.00	0.00	0.36	0.36
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.31	0.00	0.00	0.31	0.31
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.00	0.00	0.05	0.05
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2015	PHLB Derby	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2015	PHLB Derby	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2015	PHLB Derby	gf.	Petrale sole	Petrale sole	0.84	0.00	0.00	0.84	0.84
2015	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	27.89	0.00	0.00	27.89	27.89
2015	PHLB Derby	gf.	SST (N of 34°27')	SST	0.04	0.00	0.00	0.04	0.04
2015	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.16	0.00	0.00	0.16	0.16
2015	PHLB Derby	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2015	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.12	0.00	0.00	0.12	0.12
2015	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.82	0.00	0.00	0.82	0.82
2015	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	15.90	15.90	15.90	15.90
2015	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.78	0.78	0.78	0.78
2015	Pink Shrimp	gf.	Black rf. (CA)	Black rf.	0.00	0.05	0.05	0.05	0.05
2015	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	1.27	1.27	1.27	1.27
2015	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	5.23	5.23	5.23	5.23
2015	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	3.61	3.61	3.61	3.61
2015	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.33	0.33	0.33	0.33
2015	Pink Shrimp	gf.	English sole	English sole	0.00	0.97	0.97	0.97	0.97
2015	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.47	0.47	0.47	0.47
2015	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	1.12	1.12	1.12	1.12
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	1.52	1.52	1.52	1.52
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	1.73	1.73	1.73	1.73
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Puget Sound rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	1.19	1.19	1.19	1.19
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.86	0.86	0.86	0.86
2015	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.05	0.05	0.05	0.05
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.03	0.03	0.03	0.03
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.03	0.03	0.03	0.03
2015	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Other flatfish	Butter sole	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	gf.	Other flatfish	Curlfin sole	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	2.57	2.57	2.57	2.57
2015	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	8.17	8.17	8.17	8.17
2015	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	11.05	11.05	11.05	11.05
2015	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	42.33	42.33	42.33	42.33
2015	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	1159.73	1159.73	1159.73	1159.73
2015	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.29	0.29	0.29	0.29
2015	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	2.32	2.32	2.32	2.32
2015	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.08	0.08	0.08	0.08

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.93	0.93	0.93	0.93
2015	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.03	0.03	0.03	0.03
2015	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.90	0.90	0.90	0.90
2015	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.39	0.39	0.39	0.39
2015	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	120.96	120.96	120.96	120.96
2015	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	1.31	1.31	1.31	1.31
2015	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	9.37	9.37	9.37	9.37
2015	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	1.72	1.72	1.72	1.72
2015	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Basket starfish	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Basketweave cusk-eel	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Bigeye starsnout poacher	0.00	0.03	0.03	0.03	0.03
2015	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	1.08	1.08	1.08	1.08
2015	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.10	0.10	0.10	0.10
2015	Pink Shrimp	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Duckbill eel	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	8.57	8.57	8.57	8.57
2015	Pink Shrimp	ngf.	Other ngf.	Flat-legged spider crab	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	5.55	5.55	5.55	5.55
2015	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Herring, unid.	0.00	5.11	5.11	5.11	5.11
2015	Pink Shrimp	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.10	0.10	0.10	0.10
2015	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.37	0.37	0.37	0.37
2015	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	1.45	1.45	1.45	1.45
2015	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.09	0.09	0.09	0.09
2015	Pink Shrimp	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	10.03	10.03	10.03	10.03
2015	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Pink Shrimp	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.08	0.08	0.08	0.08
2015	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	5.57	5.57	5.57	5.57
2015	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.29	0.29	0.29	0.29
2015	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	1.31	1.31	1.31	1.31
2015	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Pacific butterfish	0.00	0.58	0.58	0.58	0.58
2015	Pink Shrimp	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.27	0.27	0.27	0.27
2015	Pink Shrimp	ngf.	Other ngf.	PHLB	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	32.19	32.19	32.19	32.19
2015	Pink Shrimp	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.37	0.37	0.37	0.37
2015	Pink Shrimp	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.03	0.03	0.03	0.03
2015	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.40	1.40	1.40	1.40
2015	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.18	0.18	0.18	0.18
2015	Pink Shrimp	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Ragfish	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Sail jellyfish	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Salp, unid.	0.00	0.18	0.18	0.18	0.18
2015	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.13	0.13	0.13	0.13
2015	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.28	1.28	1.28	1.28
2015	Pink Shrimp	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.08	0.08	0.08	0.08
2015	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.22	0.22	0.22	0.22
2015	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.12	0.12	0.12	0.12
2015	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	1.15	1.15	1.15	1.15
2015	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Pink Shrimp	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Specklefin midshipman	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	0.52	0.52	0.52	0.52
2015	Pink Shrimp	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.14	0.14	0.14	0.14
2015	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.46	0.46	0.46	0.46
2015	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.75	0.75	0.75	0.75
2015	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.13	0.13	0.13	0.13
2015	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.04	0.04	0.04	0.04
2015	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.02	0.02	0.02	0.02
2015	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	46540.90	0.00	0.00	46540.90	46540.90
2015	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	475.77	475.77	475.77	475.77
2015	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.05	0.05	0.05	0.05
2015	Pink Shrimp	ngf.	Shared ECS	Longfin smelt	0.00	0.00	0.00	0.00	0.00
2015	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	30.41	30.41	30.41	30.41
2015	Pink Shrimp	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	43.25	43.25	43.25	43.25
2015	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.01	0.01	0.01	0.01
2015	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	4.18	4.18	4.18	4.18
2015	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	9.37	9.37	9.37	9.37
2015	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	7.81	7.81
2015	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	3.75	3.75
2015	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	3.61	3.61
2015	Research	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.05	0.05
2015	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	5.41	5.41
2015	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	4.49	4.49
2015	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.54	0.54
2015	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	8.01	8.01
2015	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	47.34	47.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Research	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	ECS	Black skate	0.00	0.00	0.00	0.59	0.59
2015	Research	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.04	0.04
2015	Research	gf.	ECS	CA skate	0.00	0.00	0.00	0.38	0.38
2015	Research	gf.	ECS	Deepsea skate	0.00	0.00	0.00	0.06	0.06
2015	Research	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	ECS	Giant grenadier	0.00	0.00	0.00	2.66	2.66
2015	Research	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.05	0.05
2015	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.28	0.28
2015	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	5.67	5.67
2015	Research	gf.	ECS	Roughshoulder/broad skate	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.86	0.86
2015	Research	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	3.81	3.81
2015	Research	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	4.31	4.31
2015	Research	gf.	ECS	Starry skate	0.00	0.00	0.00	0.04	0.04
2015	Research	gf.	English sole	English sole	0.00	0.00	0.00	4.18	4.18
2015	Research	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	6.01	6.01
2015	Research	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	1.00	1.00
2015	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	9.54	9.54
2015	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	14.18	14.18
2015	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.75	0.75
2015	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.08	0.08
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.03	0.03
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.25	0.25
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.06	0.06
2015	Research	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.28	0.28
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.09	0.09
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	1.57	1.57
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.16	0.16
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.36	0.36

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.38	0.38
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	1.98	1.98
2015	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.10	0.10
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.39	0.39
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.32	0.32
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.73	0.73
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.41	0.41
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.05	0.05
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.13	0.13
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	1.46	1.46
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.06	0.06
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	3.54	3.54
2015	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	1.02	1.02
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.19	0.19
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Blackspotted rf.	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.21	0.21
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Rougheye rf.	0.00	0.00	0.00	0.59	0.59
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	2.40	2.40
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.54	0.54
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye rf.	0.00	0.00	0.00	1.25	1.25
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	1.06	1.06
2015	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.52	0.52
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.53	0.53
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.56	0.56
2015	Research	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Rougheye rf.	0.00	0.00	0.00	0.03	0.03
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.04	0.04
2015	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Other flatfish	Curlfin turbot	0.00	0.00	0.00	0.18	0.18
2015	Research	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.16	0.16
2015	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.57	0.57
2015	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	9.22	9.22
2015	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	13.05	13.05
2015	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.14	0.14
2015	Research	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.03	0.03
2015	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.27	0.27
2015	Research	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.02	0.02
2015	Research	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.01	0.01
2015	Research	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.56	0.56
2015	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	274.28	274.28
2015	Research	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	1.59	1.59
2015	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	6.03	6.03
2015	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	30.68	30.68
2015	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.00	1.00
2015	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	3.09	3.09
2015	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	10.48	10.48
2015	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.38	0.38
2015	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	34.27	34.27
2015	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	2.78	2.78
2015	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.08	0.08
2015	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	5.08	5.08
2015	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.71	0.71
2015	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	5.37	5.37
2015	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.01	0.01
2015	Research	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.03	0.03
2015	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.11	0.11
2015	Research	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.22	0.22
2015	Research	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.01	0.01
2015	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	3.04	3.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Research	ngf.	Other ngf.	Box crab	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.04	0.04
2015	Research	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	CA sheephead	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	4.81	4.81
2015	Research	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.08	0.08
2015	Research	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.03	0.03
2015	Research	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.07	0.07
2015	Research	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.91	0.91
2015	Research	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.03	0.03
2015	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.23	0.23
2015	Research	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.01	0.01
2015	Research	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Pink shrimp	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Rabbit-eared salp	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Scallop, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Shining loosejaw	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.65	0.65
2015	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	4.22	4.22
2015	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.01	0.01
2015	Research	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.21	0.21
2015	Research	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	CA smoothtongue	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.02	0.02
2015	Research	ngf.	Shared ECS	Ribbon barracudina	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	Sand lance	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2015	Research	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.07	0.07
2015	Research	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04
2015	RBPT	gf.	Dover sole	Dover sole	0.25	0.00	0.00	0.25	0.25
2015	RBPT	gf.	ECS	CA skate	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	English sole	English sole	0.89	0.00	0.00	0.89	0.89
2015	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2015	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2015	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2015	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2015	RBPT	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	Other flatfish	Flatfish, unid.	17.56	0.00	0.00	17.56	17.56
2015	RBPT	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	Other flatfish	Rex sole	0.97	0.00	0.00	0.97	0.97
2015	RBPT	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	Other flatfish	Sanddab, unid.	0.21	0.00	0.00	0.21	0.21
2015	RBPT	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2015	RBPT	gf.	Petrale sole	Petrale sole	0.08	0.00	0.00	0.08	0.08
2015	RBPT	ngf.	CA halibut	CA halibut	0.33	0.00	0.00	0.33	0.33
2015	RBPT	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2015	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2015	RBPT	ngf.	Other ngf.	Bat ray	0.01	0.00	0.00	0.01	0.01
2015	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.02	0.00	0.00	0.02	0.02
2015	RBPT	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.01	0.00	0.00	0.01	0.01
2015	RBPT	ngf.	Other ngf.	Common thresher shark	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	RBPT	ngf.	Other ngf.	Crab, unid.	1.54	0.00	0.00	1.54	1.54
2015	RBPT	ngf.	Other ngf.	King crab, unid.	0.03	0.00	0.00	0.03	0.03
2015	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.02	0.00	0.00	0.02	0.02
2015	RBPT	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2015	RBPT	ngf.	Other ngf.	Mixed species	11.91	0.00	0.00	11.91	11.91
2015	RBPT	ngf.	Other ngf.	Octopus, unid.	0.03	0.00	0.00	0.03	0.03
2015	RBPT	ngf.	Other ngf.	Pacific angel shark	0.40	0.00	0.00	0.40	0.40
2015	RBPT	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2015	RBPT	ngf.	Other ngf.	Pink shrimp	0.01	0.00	0.00	0.01	0.01
2015	RBPT	ngf.	Other ngf.	Red rock crab	2.60	0.00	0.00	2.60	2.60
2015	RBPT	ngf.	Other ngf.	Ridgeback prawn	383.30	0.00	0.00	383.30	383.30
2015	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.40	0.00	0.00	0.40	0.40
2015	RBPT	ngf.	Other ngf.	Shark, unid.	0.03	0.00	0.00	0.03	0.03
2015	RBPT	ngf.	Other ngf.	Skate, unid.	3.07	0.00	0.00	3.07	3.07
2015	RBPT	ngf.	Other ngf.	Spot prawn	2.75	0.00	0.00	2.75	2.75
2015	RBPT	ngf.	Other ngf.	White croaker	1.59	0.00	0.00	1.59	1.59
2015	SCT	gf.	English sole	English sole	0.16	0.00	0.00	0.16	0.16
2015	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2015	SCT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2015	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.07	0.00	0.00	0.07	0.07
2015	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2015	SCT	gf.	Other flatfish	Flatfish, unid.	0.62	0.00	0.00	0.62	0.62
2015	SCT	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2015	SCT	gf.	Pacific hake	Pacific hake	0.01	0.00	0.00	0.01	0.01
2015	SCT	gf.	Petrale sole	Petrale sole	0.03	0.00	0.00	0.03	0.03
2015	SCT	ngf.	CA halibut	CA halibut	0.11	0.00	0.00	0.11	0.11
2015	SCT	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2015	SCT	ngf.	Non-FMP flatfish	Fantail sole	0.06	0.00	0.00	0.06	0.06
2015	SCT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2015	SCT	ngf.	Other ngf.	Crab, unid.	0.02	0.00	0.00	0.02	0.02
2015	SCT	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2015	SCT	ngf.	Other ngf.	Red rock crab	0.01	0.00	0.00	0.01	0.01
2015	SCT	ngf.	Other ngf.	Ridgeback prawn	0.04	0.00	0.00	0.04	0.04
2015	SCT	ngf.	Other ngf.	Sea cucumber, unid.	46.74	0.00	0.00	46.74	46.74
2015	SCT	ngf.	Other ngf.	Shrimp, unid.	0.20	0.00	0.00	0.20	0.20
2015	SCT	ngf.	Other ngf.	Spot prawn	0.03	0.00	0.00	0.03	0.03
2015	SCT	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Tribal Shoreside	gf.	Canary rf.	Canary rf.	6.34	0.00	0.00	6.34	6.34
2015	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.00	0.00	0.06	0.06
2015	Tribal Shoreside	gf.	Dover sole	Dover sole	71.74	0.00	0.00	71.74	71.74
2015	Tribal Shoreside	gf.	English sole	English sole	58.62	0.00	0.00	58.62	58.62
2015	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	33.95	0.00	0.00	33.95	33.95
2015	Tribal Shoreside	gf.	Longnose skate	Longnose skate	3.43	0.00	0.00	3.43	3.43
2015	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.03	0.00	0.00	0.03	0.03
2015	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2015	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	1.44	0.00	0.00	1.44	1.44
2015	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	8.60	0.00	0.00	8.60	8.60
2015	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.02	0.00	0.00	0.02	0.02
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.05	0.00	0.00	0.05	0.05
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	16.06	0.00	0.00	16.06	16.06
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	11.63	0.00	0.00	11.63	11.63
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.08	0.00	0.00	0.08	0.08
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.69	0.00	0.00	0.69	0.69
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.62	0.00	0.00	0.62	0.62
2015	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	16.00	0.00	0.00	16.00	16.00
2015	Tribal Shoreside	gf.	Other flatfish	Rex sole	63.74	0.00	0.00	63.74	63.74
2015	Tribal Shoreside	gf.	Other flatfish	Rock sole	10.44	0.00	0.00	10.44	10.44
2015	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.17	0.00	0.00	0.17	0.17
2015	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	1.70	0.00	0.00	1.70	1.70
2015	Tribal Shoreside	gf.	Pacific cod	Pacific cod	419.79	0.00	0.00	419.79	419.79
2015	Tribal Shoreside	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.03	0.00	0.00	0.03	0.03
2015	Tribal Shoreside	gf.	Petrale sole	Petrale sole	175.11	0.00	0.00	175.11	175.11
2015	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	513.74	0.00	0.00	513.74	513.74
2015	Tribal Shoreside	gf.	SST (N of 34°27')	SST	35.91	0.00	0.00	35.91	35.91
2015	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	26.98	0.00	0.00	26.98	26.98
2015	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	gf.	Widow rf.	Widow rf.	28.18	0.00	0.00	28.18	28.18
2015	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.64	0.00	0.00	0.64	0.64
2015	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	385.05	0.00	0.00	385.05	385.05
2015	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	731.79	0.00	0.00	731.79	731.79
2015	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	8.27	0.00	0.00	8.27	8.27

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2015	Tribal Shoreside	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.24	0.00	0.00	0.24	0.24
2015	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.58	0.00	0.00	0.58	0.58
2015	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	0.73	0.00	0.00	0.73	0.73
2015	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	31.31	0.00	0.00	31.31	31.31
2015	Tribal Shoreside	ngf.	Other ngf.	Red urchin	6.82	0.00	0.00	6.82	6.82
2015	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.03	0.00	0.00	0.03	0.03
2015	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	145.01	0.00	0.00	145.01	145.01
2015	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	6.57	0.00	0.00	6.57	6.57
2015	Tribal Shoreside	ngf.	Other ngf.	White sea bass	0.00	0.00	0.00	0.00	0.00
2015	Tribal Shoreside	ngf.	Other ngf.	White sturgeon	0.03	0.00	0.00	0.03	0.03
2016	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	4.61	2.51	2.51	7.12	7.12
2016	A-S Hake CP	gf.	Big skate	Big skate	0.21	0.29	0.29	0.50	0.50
2016	A-S Hake CP	gf.	Canary rf.	Canary rf.	0.08	0.02	0.02	0.10	0.10
2016	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	1.91	1.61	1.61	3.52	3.52
2016	A-S Hake CP	gf.	Dover sole	Dover sole	0.11	0.05	0.05	0.16	0.16
2016	A-S Hake CP	gf.	ECS	Grenadier, unid.	32.10	8.07	8.07	40.17	40.17
2016	A-S Hake CP	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	ECS	Soupfin shark	0.04	0.09	0.09	0.13	0.13
2016	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.09	0.30	0.30	0.39	0.39
2016	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.09	0.05	0.05	1.14	1.14
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.75	0.04	0.04	1.78	1.78
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.01	0.01	0.04	0.04
2016	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.01	0.01	0.05	0.05
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.02	0.01	0.01	0.03	0.03
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	16.07	6.36	6.36	22.43	22.43
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.03	0.03	0.03	0.03
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	12.39	24.22	24.22	36.62	36.62
2016	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.02	0.02	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	gf.	Other flatfish	Rex sole	1.24	0.73	0.73	1.97	1.97
2016	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	gf.	Pacific hake	Pacific hake	108780.64	22.94	22.94	108803.58	108803.58
2016	A-S Hake CP	gf.	POP (N of 40°10')	POP	1.40	1.69	1.69	3.09	3.09
2016	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.01	0.00	0.00	0.02	0.02
2016	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	16.13	1.98	1.98	18.12	18.12
2016	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	0.08	0.17	0.17	0.24	0.24
2016	A-S Hake CP	gf.	SST (N of 34°27')	SST	4.99	2.22	2.22	7.21	7.21
2016	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	73.77	61.28	61.28	135.05	135.05
2016	A-S Hake CP	gf.	Widow rf.	Widow rf.	66.09	46.20	46.20	112.28	112.28
2016	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	6.84	4.44	4.44	11.28	11.28
2016	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	American shad	0.20	0.09	0.09	0.29	0.29
2016	A-S Hake CP	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.03	0.49	0.49	0.53	0.53
2016	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	34.74	16.29	16.29	51.03	51.03
2016	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	2.18	2.18	2.18	2.18
2016	A-S Hake CP	ngf.	Other ngf.	Coral/bryozoan, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.24	0.19	0.19	0.43	0.43
2016	A-S Hake CP	ngf.	Other ngf.	Daggertooth	0.00	0.02	0.02	0.03	0.03
2016	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.48	0.44	0.44	0.93	0.93
2016	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.03	0.01	0.01	0.05	0.05
2016	A-S Hake CP	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.98	0.08	0.08	1.06	1.06
2016	A-S Hake CP	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	88.85	46.05	46.05	134.90	134.90
2016	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.27	2.68	2.68	2.96	2.96
2016	A-S Hake CP	ngf.	Other ngf.	King of the salmon	67.69	25.92	25.92	93.61	93.61
2016	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.03	0.01	0.01	0.04	0.04
2016	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.53	0.22	0.22	0.74	0.74
2016	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.12	0.04	0.04	0.16	0.16
2016	A-S Hake CP	ngf.	Other ngf.	Manefish	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	ngf.	Other ngf.	Medusafish	11.07	3.28	3.28	14.35	14.35
2016	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.11	0.08	0.08	0.19	0.19
2016	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.01	0.27	0.27	0.28	0.28

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.01	0.03	0.03	0.04	0.04
2016	A-S Hake CP	ngf.	Other ngf.	Opah	0.02	0.15	0.15	0.17	0.17
2016	A-S Hake CP	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Pacific bluefin tuna	0.42	0.00	0.00	0.42	0.42
2016	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.03	0.03	0.03	0.03
2016	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.01	0.00	0.00	0.02	0.02
2016	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	3.78	1.34	1.34	5.13	5.13
2016	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.44	0.54	0.54	0.98	0.98
2016	A-S Hake CP	ngf.	Other ngf.	Pacific pompano	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.04	0.02	0.02	0.06	0.06
2016	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	1.38	5.10	5.10	6.49	6.49
2016	A-S Hake CP	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.02	0.02	0.02	0.04	0.04
2016	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.03	0.07	0.07	0.11	0.11
2016	A-S Hake CP	ngf.	Other ngf.	Pomfret, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Prowfish	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	ngf.	Other ngf.	Ragfish	31.51	14.88	14.88	46.39	46.39
2016	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.02	0.01	0.01	0.03	0.03
2016	A-S Hake CP	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.06	0.03	0.03	0.09	0.09
2016	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.13	11.78	11.78	11.91	11.91
2016	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.01	0.01
2016	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	0.06	0.06	0.06	0.12	0.12
2016	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.17	0.00	0.00	0.17	0.17
2016	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Slickhead, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Smalleye squaretail	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.02	0.01	0.01	0.03	0.03
2016	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Spookfish, unid.	0.59	0.31	0.31	0.90	0.90
2016	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	90.39	62.09	62.09	152.48	152.48
2016	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Swordfish	0.43	0.00	0.00	0.43	0.43
2016	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.11	0.04	0.04	0.15	0.15

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.17	0.10	0.10	0.28	0.28
2016	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.28	0.49	0.49	0.77	0.77
2016	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	5.07	1.44	1.44	6.51	6.51
2016	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	1.21	0.89	0.89	2.09	2.09
2016	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.01	0.01	0.01	0.02	0.02
2016	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	0.44	2.48	2.48	2.92	2.92
2016	A-S Hake MSCV	gf.	Big skate	Big skate	0.05	0.38	0.38	0.43	0.43
2016	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	0.33	0.09	0.09	0.42	0.42
2016	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	0.75	0.83	0.83	1.58	1.58
2016	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.00	0.12	0.12	0.13	0.13
2016	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.01	0.01
2016	A-S Hake MSCV	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.29	0.87	0.87	1.16	1.16
2016	A-S Hake MSCV	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.11	0.06	0.06	0.18	0.18
2016	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.09	0.35	0.35	0.44	0.44
2016	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.07	0.07	0.09	0.09
2016	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.03	0.94	0.94	0.96	0.96
2016	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.01	0.01
2016	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.05	0.05	0.06	0.06
2016	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.06	0.08	0.08	0.14	0.14
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.01	0.01	0.02	0.02
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.22	1.99	1.99	7.21	7.21
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2016	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	2.04	4.41	4.41	6.45	6.45
2016	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	gf.	Other flatfish	Rex sole	0.07	0.79	0.79	0.86	0.86
2016	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	64597.09	420.76	420.76	65017.85	65017.85
2016	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	4.52	2.68	2.68	7.20	7.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	5.48	4.11	4.11	9.60	9.60
2016	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	0.17	1.74	1.74	1.91	1.91
2016	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	0.03	3.28	3.28	3.31	3.31
2016	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	10.81	47.75	47.75	58.56	58.56
2016	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	25.97	48.44	48.44	74.41	74.41
2016	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	23.10	27.95	27.95	51.05	51.05
2016	A-S Hake MSCV	ngf.	Other ngf.	American shad	0.84	5.42	5.42	6.25	6.25
2016	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.38	0.38	0.38	0.38
2016	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	1.87	4.45	4.45	6.32	6.32
2016	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.86	0.86	0.86	0.86
2016	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.03	0.03	0.03	0.03
2016	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.02	0.00	0.00	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	5.23	97.50	97.50	102.73	102.73
2016	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.01	1.93	1.93	1.94	1.94
2016	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	1.30	57.57	57.57	58.87	58.87
2016	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.00	0.02	0.02	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.06	0.90	0.90	0.95	0.95
2016	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.04	0.04	0.04	0.04
2016	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.02	0.05	0.05	0.07	0.07
2016	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.02	0.02	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.12	0.12	0.12	0.12
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.06	0.00	0.00	0.06	0.06
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	1.00	11.39	11.39	12.39	12.39
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.26	0.49	0.49	0.75	0.75
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.01	0.39	0.39	0.40	0.40
2016	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.20	1.41	1.41	1.61	1.61
2016	A-S Hake MSCV	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.06	1.45	1.45	1.51	1.51
2016	A-S Hake MSCV	ngf.	Other ngf.	Rough pomfret	0.00	0.03	0.03	0.04	0.04
2016	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.00	5.38	5.38	5.38	5.38
2016	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Smalleye squaretail	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Spookfish, unid.	0.00	0.05	0.05	0.05	0.05
2016	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	3.23	19.95	19.95	23.18	23.18
2016	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.01	0.01	0.01	0.01
2016	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.02	0.02	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	Walleye pollock	0.01	0.01	0.01	0.02	0.02
2016	A-S Hake MSCV	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.01	0.03	0.03	0.04	0.04
2016	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.05	0.05	0.05	0.05
2016	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2016	A-S Hake MSCV	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	1047.72	322.15	322.15	1369.87	1369.87
2016	CS – BT	gf.	Big skate	Big skate	326.86	61.54	30.77	388.40	357.63
2016	CS – BT	gf.	Black rf. (CA)	Black rf.	0.27	0.00	0.00	0.27	0.27
2016	CS – BT	gf.	Black rf. (OR)	Black rf.	0.13	0.00	0.00	0.13	0.13
2016	CS – BT	gf.	Black rf. (WA)	Black rf.	0.47	0.00	0.00	0.47	0.47
2016	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	35.31	0.02	0.02	35.33	35.33
2016	CS – BT	gf.	Cabezon (OR)	Cabezon	0.09	0.02	0.02	0.12	0.12
2016	CS – BT	gf.	Canary rf.	Canary rf.	6.32	0.08	0.08	6.39	6.39
2016	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	68.91	2.28	2.28	71.19	71.19
2016	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.19	0.00	0.00	0.19	0.19
2016	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	100.33	4.39	4.39	104.72	104.72
2016	CS – BT	gf.	Dover sole	Dover sole	6243.01	29.44	29.44	6272.46	6272.46
2016	CS – BT	gf.	ECS	Aleutian skate	0.00	0.61	0.61	0.61	0.61
2016	CS – BT	gf.	ECS	Black skate	0.00	7.49	7.49	7.49	7.49
2016	CS – BT	gf.	ECS	CA grenadier	0.00	0.37	0.37	0.37	0.37
2016	CS – BT	gf.	ECS	CA skate	0.05	1.45	1.45	1.50	1.50
2016	CS – BT	gf.	ECS	Deepsea skate	0.00	0.21	0.21	0.21	0.21
2016	CS – BT	gf.	ECS	Giant grenadier	0.00	24.63	24.63	24.63	24.63

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	gf.	ECS	Grenadier, unid.	1.61	1.35	1.35	2.97	2.97
2016	CS – BT	gf.	ECS	Pacific flatnose	0.00	0.20	0.20	0.20	0.20
2016	CS – BT	gf.	ECS	Pacific grenadier	1.45	8.21	8.21	9.66	9.66
2016	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	ECS	Roughshoulder/broad skate	0.00	0.05	0.05	0.05	0.05
2016	CS – BT	gf.	ECS	Sandpaper skate	0.01	49.04	49.04	49.04	49.04
2016	CS – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	ECS	Softhead grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	ECS	Soupfin shark	0.21	0.20	0.20	0.41	0.41
2016	CS – BT	gf.	ECS	Spotted ratfish	0.63	91.79	91.79	92.42	92.42
2016	CS – BT	gf.	English sole	English sole	285.46	80.89	80.89	366.35	366.35
2016	CS – BT	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	235.63	13.92	6.96	249.55	242.59
2016	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	12.24	4.98	2.49	17.22	14.73
2016	CS – BT	gf.	Longnose skate	Longnose skate	728.66	104.11	52.05	832.77	780.72
2016	CS – BT	gf.	LST (N of 34°27')	LST	360.47	12.12	12.12	372.58	372.58
2016	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.07	0.01	0.01	0.08	0.08
2016	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.97	0.01	0.01	2.98	2.98
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.40	0.59	0.59	2.00	2.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	7.89	3.72	3.72	11.61	11.61
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.46	0.03	0.03	0.49	0.49
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.84	0.58	0.58	1.42	1.42
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	1.42	0.00	0.00	1.42	1.42
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.47	0.00	0.00	1.47	1.47
2016	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.06	2.41	2.41	2.47	2.47
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.18	0.01	0.01	0.19	0.19

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.04	0.04
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.25	0.25	0.28	0.28
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.08	0.08	0.08	0.08
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.20	3.00	3.00	3.21	3.21
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.07	0.00	0.00	0.07	0.07
2016	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	15.33	6.48	6.48	21.81	21.81
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	1.01	0.00	0.00	1.01	1.01
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	2.94	0.03	0.03	2.97	2.97
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.95	0.23	0.23	4.18	4.18
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	29.56	0.06	0.06	29.62	29.62
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	1.46	1.60	1.60	3.06	3.06
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	6.72	0.00	0.00	6.72	6.72
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.40	0.03	0.03	1.42	1.42
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	12.44	8.67	8.67	21.10	21.10
2016	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.07	0.00	0.00	1.07	1.07
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.83	0.49	0.49	1.32	1.32
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	35.64	0.08	0.08	35.71	35.71
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	8.09	0.85	0.85	8.93	8.93
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.30	0.02	0.02	0.32	0.32
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.58	0.58	0.58	0.58
2016	CS – BT	gf.	Other flatfish	Butter sole	0.13	0.01	0.01	0.14	0.14
2016	CS – BT	gf.	Other flatfish	Curlfin sole	1.59	0.45	0.45	2.04	2.04
2016	CS – BT	gf.	Other flatfish	Flatfish, unid.	0.06	0.06	0.06	0.12	0.12
2016	CS – BT	gf.	Other flatfish	Flathead sole	16.72	22.62	22.62	39.34	39.34
2016	CS – BT	gf.	Other flatfish	Pacific sanddab	89.35	112.14	112.14	201.48	201.48
2016	CS – BT	gf.	Other flatfish	Rex sole	495.77	63.62	63.62	559.39	559.39
2016	CS – BT	gf.	Other flatfish	Rock sole	1.23	0.57	0.57	1.80	1.80

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	gf.	Other flatfish	Sand sole	26.95	0.53	0.53	27.48	27.48
2016	CS – BT	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.00	0.08	0.08	0.08	0.08
2016	CS – BT	gf.	Pacific cod	Pacific cod	384.47	0.35	0.35	384.83	384.83
2016	CS – BT	gf.	Pacific hake	Pacific hake	36.87	297.53	297.53	334.40	334.40
2016	CS – BT	gf.	POP (N of 40°10')	POP	25.89	0.77	0.77	26.66	26.66
2016	CS – BT	gf.	Petrale sole	Petrale sole	2337.24	18.06	18.06	2355.31	2355.31
2016	CS – BT	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1172.58	24.20	12.10	1196.78	1184.68
2016	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	4.48	0.93	0.47	5.41	4.95
2016	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.45	0.45	0.45	0.45
2016	CS – BT	gf.	SST (N of 34°27')	SST	624.98	8.35	8.35	633.33	633.33
2016	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	0.85	246.27	246.27	247.13	247.13
2016	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	1.53	11.29	11.29	12.83	12.83
2016	CS – BT	gf.	Starry flounder	Starry flounder	10.86	1.80	1.80	12.65	12.65
2016	CS – BT	gf.	Widow rf.	Widow rf.	6.28	0.02	0.02	6.30	6.30
2016	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.04	0.00	0.00	0.04	0.04
2016	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	107.89	0.00	0.00	107.90	107.90
2016	CS – BT	ngf.	CA halibut	CA halibut	0.01	0.01	0.01	0.02	0.02
2016	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.06	137.07	137.07	137.13	137.13
2016	CS – BT	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.04	4.34	4.34	4.38	4.38
2016	CS – BT	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.11	44.65	44.65	44.76	44.76
2016	CS – BT	ngf.	Other ngf.	American shad	0.01	4.49	4.49	4.50	4.50
2016	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	17.79	17.79	17.79	17.79
2016	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.08	0.08	0.08	0.08
2016	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.02	0.02	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Basket starfish	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Bat ray	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	4.08	4.08	4.08	4.08
2016	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.24	0.24	0.24	0.24
2016	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Blacktail snailfish	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.05	0.05	0.05	0.05
2016	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	1.03	1.03	1.03	1.03
2016	CS – BT	ngf.	Other ngf.	Brown cat shark	0.17	23.96	23.96	24.14	24.14
2016	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	CA king crab	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	CA slickhead	0.00	5.07	5.07	5.07	5.07
2016	CS – BT	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Combfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.30	12.04	12.04	12.34	12.34
2016	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	5.26	5.26	5.26	5.26
2016	CS – BT	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.30	0.30	0.30	0.30
2016	CS – BT	ngf.	Other ngf.	Hydrocoral	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.76	0.76	0.76	0.76
2016	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Jack mackerel	0.00	0.06	0.06	0.06	0.06
2016	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.23	0.23	0.23	0.23
2016	CS – BT	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	King of the salmon	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	0.42	0.42	0.42	0.42
2016	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	1.06	1.06	1.06	1.06
2016	CS – BT	ngf.	Other ngf.	Mixed species	0.83	0.00	0.00	0.83	0.83

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.14	0.14	0.14	0.14
2016	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.06	0.06	0.06	0.06
2016	CS – BT	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.28	0.28	0.28	0.28
2016	CS – BT	ngf.	Other ngf.	Octopus, unid.	3.43	1.86	1.86	5.29	5.29
2016	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.09	0.09	0.09	0.09
2016	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	1.86	1.86	1.86	1.86
2016	CS – BT	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	PHLB	0.12	55.80	30.53	55.92	30.65
2016	CS – BT	ngf.	Other ngf.	Pacific herring	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Pacific sandfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Pacific sardine	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	14.35	14.35	14.35	14.35
2016	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.11	0.11	0.11	0.11
2016	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Pallid eelpout	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Pink snailfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	1.27	1.27	1.27	1.27
2016	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Prickly shark	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.21	0.21	0.21	0.21
2016	CS – BT	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Roughback sculpin	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Salmon shark	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Sand dollar, unid.	0.00	1.12	1.12	1.12	1.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.11	0.11	0.11	0.11
2016	CS – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Scallop, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.96	0.96	0.96	0.96
2016	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.42	1.42	1.42	1.42
2016	CS – BT	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.07	0.07	0.07	0.07
2016	CS – BT	ngf.	Other ngf.	Sea spider, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	10.98	10.98	10.98	10.98
2016	CS – BT	ngf.	Other ngf.	Sea whip	0.00	0.33	0.33	0.33	0.33
2016	CS – BT	ngf.	Other ngf.	Sea whip/sea fan	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Shark, unid.	0.01	0.34	0.34	0.35	0.35
2016	CS – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.04	0.04	0.04	0.04
2016	CS – BT	ngf.	Other ngf.	Skate, unid.	4.76	0.89	0.89	5.66	5.66
2016	CS – BT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.07	0.07	0.07	0.07
2016	CS – BT	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	0.43	0.43	0.43	0.43
2016	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	3.17	3.17	3.17	3.17
2016	CS – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Squid, unid.	1.16	0.08	0.08	1.24	1.24
2016	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.08	0.08	0.08	0.08
2016	CS – BT	ngf.	Other ngf.	Striped bass	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Sturgeon poacher	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.14	0.14	0.14	0.14
2016	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.05	0.05	0.05	0.05
2016	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	1.29	1.29	1.29	1.29
2016	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	5.90	5.90	5.90	5.90
2016	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Walleye pollock	0.20	0.36	0.36	0.55	0.55
2016	CS – BT	ngf.	Other ngf.	White croaker	0.00	0.03	0.03	0.03	0.03
2016	CS – BT	ngf.	Other ngf.	Wolf-eel	0.07	0.07	0.07	0.14	0.14
2016	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.08	0.08	0.08	0.08
2016	CS – BT	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	7.57	7.57	7.57	7.57
2016	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2016	CS – BT	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.01	0.01	0.01	0.01
2016	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	3.63	3.63	3.63	3.63
2016	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	55.42	55.42	55.42	55.42
2016	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	2.17	2.17	2.24	2.24
2016	CS – H&L	gf.	Big skate	Big skate	0.40	0.02	0.02	0.42	0.42
2016	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.00	0.00	0.05	0.05
2016	CS – H&L	gf.	Dover sole	Dover sole	0.42	0.03	0.03	0.45	0.45
2016	CS – H&L	gf.	ECS	Black skate	0.00	0.41	0.41	0.41	0.41
2016	CS – H&L	gf.	ECS	Deepsea skate	0.00	0.02	0.02	0.02	0.02
2016	CS – H&L	gf.	ECS	Giant grenadier	0.00	0.92	0.92	0.92	0.92
2016	CS – H&L	gf.	ECS	Grenadier, unid.	0.05	5.24	5.24	5.30	5.30
2016	CS – H&L	gf.	ECS	Pacific flatnose	0.00	0.33	0.33	0.33	0.33
2016	CS – H&L	gf.	ECS	Pacific grenadier	0.00	1.50	1.50	1.50	1.50
2016	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.25	0.25	0.25	0.25
2016	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.02	0.02	0.02	0.02
2016	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.32	0.00	0.00	0.32	0.32
2016	CS – H&L	gf.	Longnose skate	Longnose skate	11.86	3.48	1.74	15.35	13.61
2016	CS – H&L	gf.	LST (N of 34°27')	LST	0.02	0.07	0.07	0.09	0.09
2016	CS – H&L	gf.	LST (S of 34°27')	LST	0.00	0.02	0.02	0.03	0.03
2016	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.01	0.01	0.01	0.01
2016	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.04	0.00	0.00	0.04	0.04
2016	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.72	0.06	0.06	0.78	0.78
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	5.46	0.09	0.09	5.55	5.55
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.45	0.00	0.00	0.45	0.45
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.31	0.31	0.31	0.31
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.95	0.06	0.06	2.02	2.02
2016	CS – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.02	0.02	0.02	0.02
2016	CS – H&L	gf.	Pacific cod	Pacific cod	0.02	0.03	0.03	0.05	0.05
2016	CS – H&L	gf.	Pacific hake	Pacific hake	0.00	0.08	0.08	0.08	0.08
2016	CS – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2016	CS – H&L	gf.	Petrale sole	Petrale sole	0.11	0.09	0.09	0.21	0.21
2016	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	133.22	6.44	1.29	139.66	134.51
2016	CS – H&L	gf.	Sablefish (S of 36°)	Sablefish	28.51	2.66	0.53	31.17	29.04
2016	CS – H&L	gf.	SST (N of 34°27')	SST	7.36	0.39	0.39	7.75	7.75
2016	CS – H&L	gf.	SST (S of 34°27')	SST	1.57	0.05	0.05	1.62	1.62
2016	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	41.57	20.79	41.57	20.79
2016	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.05	0.01	0.01	0.06	0.06
2016	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS – H&L	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	1.67	1.67	1.67	1.67
2016	CS – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.06	0.06	0.06	0.06
2016	CS – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.16	0.16	0.16	0.16
2016	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.06	0.06	0.06	0.06
2016	CS – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – H&L	ngf.	Other ngf.	PHLB	0.00	6.39	1.02	6.39	1.02
2016	CS – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	4.55	4.55	4.55	4.55
2016	CS – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.04	0.04	0.04	0.04
2016	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.03	0.00	0.00	0.03	0.03
2016	CS – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – H&L	ngf.	Other ngf.	Walleye pollock	0.00	0.01	0.01	0.01	0.01
2016	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.01	0.01	0.01	0.01
2016	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.24	0.21	0.21	0.46	0.46
2016	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.04	0.00	0.00	0.04	0.04
2016	CS – Pot	gf.	Dover sole	Dover sole	0.21	0.26	0.26	0.47	0.47
2016	CS – Pot	gf.	ECS	Giant grenadier	0.00	1.22	1.22	1.22	1.22
2016	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	ECS	Pacific grenadier	0.00	0.45	0.45	0.45	0.45
2016	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.87	0.07	0.07	1.94	1.94
2016	CS – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Starry rf.	0.00	0.01	0.01	0.01	0.01
2016	CS – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.05	0.02	0.02	0.07	0.07
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.20	0.02	0.02	0.22	0.22
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.04	0.02	0.02	1.06	1.06
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – Pot	gf.	Petrale sole	Petrale sole	0.16	0.03	0.03	0.19	0.19
2016	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	373.97	3.65	0.73	377.62	374.70
2016	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	8.98	0.48	0.10	9.45	9.07
2016	CS – Pot	gf.	SST (N of 34°27')	SST	0.21	0.06	0.06	0.26	0.26
2016	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.25	0.25	0.25	0.25
2016	CS – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.12	0.12	0.12	0.12
2016	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.12	0.12	0.12	0.12
2016	CS – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Filetail cat shark	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.03	0.01	0.01	0.04	0.04
2016	CS – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	PHLB	0.00	1.70	0.17	1.70	0.17
2016	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.78	0.78	0.78	0.78
2016	CS – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02
2016	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.12	0.12	0.12	0.12
2016	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.30	2.30	2.30	2.30
2016	CS EM – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	29.66	1.12	1.12	30.79	30.79
2016	CS EM – BT	gf.	Big skate	Big skate	0.92	0.00	0.00	0.92	0.92
2016	CS EM – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	7.54	0.00	0.00	7.55	7.55
2016	CS EM – BT	gf.	Canary rf.	Canary rf.	0.20	0.00	0.00	0.20	0.20
2016	CS EM – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	3.93	0.00	0.00	3.93	3.93
2016	CS EM – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.09	0.00	0.00	0.09	0.09
2016	CS EM – BT	gf.	Darkblotched rf.	Darkblotched rf.	0.46	0.00	0.00	0.46	0.46
2016	CS EM – BT	gf.	Dover sole	Dover sole	874.88	0.11	0.11	874.99	874.99
2016	CS EM – BT	gf.	ECS	Black skate	3.70	0.49	0.49	4.19	4.19
2016	CS EM – BT	gf.	ECS	CA grenadier	0.01	0.02	0.02	0.02	0.02
2016	CS EM – BT	gf.	ECS	CA skate	0.02	0.17	0.17	0.19	0.19
2016	CS EM – BT	gf.	ECS	Filamented grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	ECS	Giant grenadier	14.77	5.35	5.35	20.12	20.12
2016	CS EM – BT	gf.	ECS	Grenadier, unid.	1.44	0.00	0.00	1.44	1.44
2016	CS EM – BT	gf.	ECS	Pacific flatnose	0.17	0.01	0.01	0.18	0.18
2016	CS EM – BT	gf.	ECS	Pacific grenadier	17.54	0.48	0.48	18.02	18.02
2016	CS EM – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	ECS	Sandpaper skate	0.24	0.57	0.57	0.82	0.82
2016	CS EM – BT	gf.	ECS	Spotted ratfish	0.16	2.82	2.82	2.98	2.98
2016	CS EM – BT	gf.	English sole	English sole	8.01	2.47	2.47	10.48	10.48
2016	CS EM – BT	gf.	Lingcod (N of 40°10')	Lingcod	0.38	0.00	0.00	0.38	0.38
2016	CS EM – BT	gf.	Lingcod (S of 40°10')	Lingcod	6.09	0.47	0.23	6.56	6.32
2016	CS EM – BT	gf.	Longnose skate	Longnose skate	28.34	3.72	1.86	32.06	30.20
2016	CS EM – BT	gf.	LST (N of 34°27')	LST	271.27	0.01	0.01	271.28	271.28
2016	CS EM – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.07	0.00	0.00	0.07	0.07
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.16	0.00	0.00	0.16	0.16
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Bronzespotted rf.	0.24	0.00	0.00	0.24	0.24
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.13	0.00	0.00	0.13	0.13
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.41	0.00	0.00	0.41	0.41
2016	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.46	0.00	0.00	0.46	0.46
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.24	0.00	0.00	0.24	0.24
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.08	0.00	0.00	0.08	0.08
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.02	0.00	0.00	0.02	0.02
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2016	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.69	0.00	0.00	0.69	0.69
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.38	0.00	0.00	0.38	0.38
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.33	0.00	0.00	0.33	0.33
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.58	0.00	0.00	0.58	0.58
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.04	0.04	0.04	0.04
2016	CS EM – BT	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Other flatfish	Flatfish, unid.	0.01	0.05	0.05	0.06	0.06
2016	CS EM – BT	gf.	Other flatfish	Pacific sanddab	0.61	0.00	0.00	0.61	0.61
2016	CS EM – BT	gf.	Other flatfish	Rex sole	14.32	0.01	0.01	14.33	14.33
2016	CS EM – BT	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Other rf.	Rockfish, unid.	0.00	0.09	0.09	0.09	0.09
2016	CS EM – BT	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Pacific hake	Pacific hake	2.27	3.44	3.44	5.71	5.71
2016	CS EM – BT	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2016	CS EM – BT	gf.	Petrale sole	Petrale sole	115.11	0.02	0.02	115.13	115.13
2016	CS EM – BT	gf.	Sablefish (N of 36°)	Sablefish	252.01	0.14	0.07	252.15	252.08
2016	CS EM – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.15	0.00	0.00	0.15	0.15
2016	CS EM – BT	gf.	SST (N of 34°27')	SST	92.84	0.01	0.01	92.85	92.85
2016	CS EM – BT	gf.	Spiny dogfish	Spiny dogfish shark	0.24	0.60	0.60	0.84	0.84
2016	CS EM – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.27	0.00	0.00	0.27	0.27
2016	CS EM – BT	gf.	Starry flounder	Starry flounder	0.03	0.00	0.00	0.04	0.04
2016	CS EM – BT	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2016	CS EM – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.44	0.00	0.00	0.44	0.44

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2016	CS EM – BT	ngf.	CA halibut	CA halibut	0.00	0.02	0.02	0.02	0.02
2016	CS EM – BT	ngf.	Dungeness crab	Dungeness crab	0.00	0.87	0.87	0.87	0.87
2016	CS EM – BT	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Non-FMP flatfish	Deepsea sole	2.76	0.37	0.37	3.13	3.13
2016	CS EM – BT	ngf.	Non-FMP flatfish	Slender sole	0.14	0.01	0.01	0.15	0.15
2016	CS EM – BT	ngf.	Other ngf.	American shad	0.00	0.06	0.06	0.06	0.06
2016	CS EM – BT	ngf.	Other ngf.	Anemone, unid.	0.00	1.43	1.43	1.43	1.43
2016	CS EM – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Bigfin eelpout	0.35	0.09	0.09	0.43	0.43
2016	CS EM – BT	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Black eelpout	0.01	0.01	0.01	0.02	0.02
2016	CS EM – BT	ngf.	Other ngf.	Blacktail snailfish	0.00	0.03	0.03	0.03	0.03
2016	CS EM – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Brown box crab	0.00	0.06	0.06	0.06	0.06
2016	CS EM – BT	ngf.	Other ngf.	Brown cat shark	3.62	4.60	4.60	8.23	8.23
2016	CS EM – BT	ngf.	Other ngf.	CA slickhead	1.57	3.56	3.56	5.14	5.14
2016	CS EM – BT	ngf.	Other ngf.	Common thresher shark	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Deepsea spider crab	0.02	0.15	0.15	0.17	0.17
2016	CS EM – BT	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Eelpout, unid.	3.89	0.79	0.79	4.68	4.68
2016	CS EM – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Filetail cat shark	0.00	0.22	0.22	0.22	0.22
2016	CS EM – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.03	0.09	0.09	0.12	0.12
2016	CS EM – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	2.65	2.65	2.65	2.65
2016	CS EM – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.02	0.02	0.02	0.02
2016	CS EM – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.08	0.08	0.08	0.08
2016	CS EM – BT	ngf.	Other ngf.	Longnose cat shark	0.10	0.00	0.00	0.10	0.10
2016	CS EM – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Mixed species	12.26	0.00	0.00	12.26	12.26

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2016	CS EM – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Octopus, unid.	0.07	0.38	0.38	0.45	0.45
2016	CS EM – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Pacific electric ray	0.00	0.12	0.12	0.12	0.12
2016	CS EM – BT	ngf.	Other ngf.	PHLB	0.00	2.93	2.64	2.93	2.64
2016	CS EM – BT	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2016	CS EM – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.05	0.05	0.05	0.05
2016	CS EM – BT	ngf.	Other ngf.	Pacific sleeper shark	0.13	0.50	0.50	0.63	0.63
2016	CS EM – BT	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Purple brotula	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Ragfish	0.01	0.00	0.00	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.01	0.13	0.13	0.14	0.14
2016	CS EM – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.10	0.10	0.10	0.10
2016	CS EM – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS EM – BT	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.13	0.13	0.13	0.13
2016	CS EM – BT	ngf.	Other ngf.	Sea star, unid.	0.00	4.17	4.17	4.17	4.17
2016	CS EM – BT	ngf.	Other ngf.	Sea whip	0.00	0.03	0.03	0.03	0.03
2016	CS EM – BT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Skate, unid.	1.10	0.00	0.00	1.10	1.10
2016	CS EM – BT	ngf.	Other ngf.	Slender codling	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Snailfish, unid.	0.22	0.05	0.05	0.27	0.27
2016	CS EM – BT	ngf.	Other ngf.	Snakehead eelpout	0.03	0.00	0.00	0.03	0.03
2016	CS EM – BT	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2016	CS EM – BT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2016	CS EM – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Threadfin slickhead	0.19	0.00	0.00	0.19	0.19

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS EM – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Twoline eelpout	5.14	0.30	0.30	5.43	5.43
2016	CS EM – BT	ngf.	Other ngf.	Urchin, unid.	0.00	0.30	0.30	0.30	0.30
2016	CS EM – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – BT	ngf.	Shared ECS	Lanternfish, unid.	0.07	0.00	0.00	0.07	0.07
2016	CS EM – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.48	0.48	0.48	0.48
2016	CS EM – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	8.81	8.81	8.81	8.81
2016	CS EM – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	36.57	36.57	36.57	36.57
2016	CS EM – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.07	0.04	0.04	0.11	0.11
2016	CS EM – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Dover sole	Dover sole	9.86	0.02	0.02	9.88	9.88
2016	CS EM – Pot	gf.	ECS	Giant grenadier	0.00	0.42	0.42	0.42	0.42
2016	CS EM – Pot	gf.	ECS	Grenadier, unid.	0.00	0.10	0.10	0.10	0.10
2016	CS EM – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	ECS	Pacific grenadier	0.00	0.28	0.28	0.28	0.28
2016	CS EM – Pot	gf.	English sole	English sole	0.04	0.00	0.00	0.04	0.04
2016	CS EM – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.15	0.02	0.02	0.18	0.18
2016	CS EM – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.01	0.01	0.03	0.03
2016	CS EM – Pot	gf.	Longnose skate	Longnose skate	0.13	0.00	0.00	0.14	0.14
2016	CS EM – Pot	gf.	LST (N of 34°27')	LST	5.94	0.00	0.00	5.94	5.94
2016	CS EM – Pot	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.04	0.00	0.00	0.04	0.04
2016	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2016	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.19	0.00	0.00	0.19	0.19
2016	CS EM – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.02	0.02	0.02	0.02
2016	CS EM – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Other flatfish	Rex sole	0.53	0.00	0.00	0.53	0.53
2016	CS EM – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	gf.	Petrale sole	Petrale sole	4.11	0.00	0.00	4.11	4.11
2016	CS EM – Pot	gf.	Sablefish (N of 36°)	Sablefish	296.63	6.64	1.33	303.27	297.96
2016	CS EM – Pot	gf.	Sablefish (S of 36°)	Sablefish	151.08	2.55	0.51	153.62	151.59

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS EM – Pot	gf.	SST (N of 34°27')	SST	1.60	0.14	0.14	1.74	1.74
2016	CS EM – Pot	gf.	SST (S of 34°27')	SST	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.72	0.72	0.72	0.72
2016	CS EM – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.06	0.06	0.06	0.06
2016	CS EM – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Hair crab	0.00	0.07	0.07	0.07	0.07
2016	CS EM – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.11	0.11	0.11	0.11
2016	CS EM – Pot	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Lyre crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	PHLB	0.00	0.07	0.01	0.07	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	1.78	1.78	1.78	1.78
2016	CS EM – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.27	0.27	0.27	0.27
2016	CS EM – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS EM – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.12	0.12	0.12	0.12
2016	CS EM – Pot	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.06	0.06	0.06	0.06
2016	CS EM – Pot	ngf.	Other ngf.	Slickhead, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	CS EM – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2016	CS EM – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	CS EM – Pot	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2016	CS EM – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.84	0.84	0.84	0.84
2016	CS EM – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	11.24	11.24	11.24	11.24
2016	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.72	0.00	0.00	0.72	0.72
2016	Incidental	gf.	Big skate	Big skate	0.81	0.00	0.00	0.81	0.81
2016	Incidental	gf.	Black rf. (CA)	Black rf.	0.09	0.00	0.00	0.09	0.09
2016	Incidental	gf.	Black rf. (OR)	Black rf.	0.21	0.00	0.00	0.21	0.21
2016	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.25	0.00	0.00	0.25	0.25
2016	Incidental	gf.	Cabezon (CA)	Cabezon	0.14	0.00	0.00	0.14	0.14
2016	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.07	0.00	0.00	0.07	0.07
2016	Incidental	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Dover sole	Dover sole	0.08	0.00	0.00	0.08	0.08
2016	Incidental	gf.	ECS	CA skate	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	ECS	Grenadier, unid.	0.02	0.00	0.00	0.02	0.02
2016	Incidental	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	ECS	Soupfin shark	3.22	0.00	0.00	3.22	3.22
2016	Incidental	gf.	English sole	English sole	0.27	0.00	0.00	0.27	0.27
2016	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	5.29	0.00	0.00	5.29	5.29
2016	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	4.38	0.00	0.00	4.38	4.38
2016	Incidental	gf.	Longnose skate	Longnose skate	4.25	0.00	0.00	4.25	4.25
2016	Incidental	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	LST (S of 34°27')	LST	0.04	0.00	0.00	0.04	0.04
2016	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.23	0.00	0.00	0.23	0.23
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.02	0.00	0.00	0.02	0.02
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.04	0.00	0.00	0.04	0.04
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.03	0.00	0.00	1.03	1.03
2016	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.54	0.00	0.00	0.54	0.54
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.42	0.00	0.00	0.42	0.42
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.33	0.00	0.00	0.33	0.33
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.50	0.00	0.00	0.50	0.50
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.23	0.00	0.00	0.23	0.23
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.46	0.00	0.00	0.46	0.46
2016	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Other flatfish	Curlfin sole	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Other flatfish	Flatfish, unid.	2.59	0.00	0.00	2.59	2.59
2016	Incidental	gf.	Other flatfish	Flathead sole	0.05	0.00	0.00	0.05	0.05
2016	Incidental	gf.	Other flatfish	Pacific sanddab	0.03	0.00	0.00	0.03	0.03
2016	Incidental	gf.	Other flatfish	Rex sole	0.22	0.00	0.00	0.22	0.22
2016	Incidental	gf.	Other flatfish	Rock sole	0.23	0.00	0.00	0.23	0.23
2016	Incidental	gf.	Other flatfish	Sand sole	0.06	0.00	0.00	0.06	0.06
2016	Incidental	gf.	Other flatfish	Sanddab, unid.	0.09	0.00	0.00	0.09	0.09
2016	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00

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2016	Incidental	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	Other gf.	Leopard shark	4.37	0.00	0.00	4.37	4.37
2016	Incidental	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Pacific cod	Pacific cod	0.42	0.00	0.00	0.42	0.42
2016	Incidental	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2016	Incidental	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2016	Incidental	gf.	Petrale sole	Petrale sole	2.49	0.00	0.00	2.49	2.49
2016	Incidental	gf.	Sablefish (N of 36°)	Sablefish	42.88	0.00	0.00	42.88	42.88
2016	Incidental	gf.	Sablefish (S of 36°)	Sablefish	0.13	0.00	0.00	0.13	0.13
2016	Incidental	gf.	SST (N of 34°27')	SST	0.22	0.00	0.00	0.22	0.22
2016	Incidental	gf.	SST (S of 34°27')	SST	0.47	0.00	0.00	0.47	0.47
2016	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.16	0.00	0.00	0.16	0.16
2016	Incidental	gf.	Starry flounder	Starry flounder	0.26	0.00	0.00	0.26	0.26
2016	Incidental	gf.	Widow rf.	Widow rf.	0.09	0.00	0.00	0.09	0.09
2016	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	2.72	0.00	0.00	2.72	2.72
2016	Incidental	ngf.	CA halibut	CA halibut	120.27	0.00	0.00	120.27	120.27
2016	Incidental	ngf.	Dungeness crab	Dungeness crab	24670.09	0.00	0.00	24670.09	24670.09
2016	Incidental	ngf.	Non-FMP flatfish	Deepsea sole	0.13	0.00	0.00	0.13	0.13
2016	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.42	0.00	0.00	0.42	0.42
2016	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	0.01	0.00	0.00	0.01	0.01
2016	Incidental	ngf.	Non-FMP flatfish	Slender sole	0.02	0.00	0.00	0.02	0.02
2016	Incidental	ngf.	Other ngf.	Albacore tuna	10418.06	0.00	0.00	10418.06	10418.06
2016	Incidental	ngf.	Other ngf.	American shad	11.32	0.00	0.00	11.32	11.32
2016	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	299.73	0.00	0.00	299.73	299.73
2016	Incidental	ngf.	Other ngf.	Basket cockle	136.03	0.00	0.00	136.03	136.03
2016	Incidental	ngf.	Other ngf.	Bass, unid.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	ngf.	Other ngf.	Bat ray	9.86	0.00	0.00	9.86	9.86
2016	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.37	0.00	0.00	1.37	1.37
2016	Incidental	ngf.	Other ngf.	Bigeye tuna	18.70	0.00	0.00	18.70	18.70
2016	Incidental	ngf.	Other ngf.	Bivalve, unid.	1.54	0.00	0.00	1.54	1.54
2016	Incidental	ngf.	Other ngf.	Bluefin tuna	354.36	0.00	0.00	354.36	354.36
2016	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	18.09	0.00	0.00	18.09	18.09
2016	Incidental	ngf.	Other ngf.	Butter clam	23.64	0.00	0.00	23.64	23.64
2016	Incidental	ngf.	Other ngf.	CA barracuda	3.55	0.00	0.00	3.55	3.55
2016	Incidental	ngf.	Other ngf.	CA sheephead	0.41	0.00	0.00	0.41	0.41
2016	Incidental	ngf.	Other ngf.	CA spiny lobster	305.81	0.00	0.00	305.81	305.81
2016	Incidental	ngf.	Other ngf.	Clam, unid.	0.00	0.00	0.00	0.00	0.00
2016	Incidental	ngf.	Other ngf.	Common thresher shark	46.56	0.00	0.00	46.56	46.56
2016	Incidental	ngf.	Other ngf.	Crab, unid.	62.25	0.00	0.00	62.25	62.25

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Incidental	ngf.	Other ngf.	Croaker, unid.	0.10	0.00	0.00	0.10	0.10
2016	Incidental	ngf.	Other ngf.	Dorado	0.37	0.00	0.00	0.37	0.37
2016	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.01	0.00	0.00	0.01	0.01
2016	Incidental	ngf.	Other ngf.	Eel, unid.	0.47	0.00	0.00	0.47	0.47
2016	Incidental	ngf.	Other ngf.	Gaper clam	111.38	0.00	0.00	111.38	111.38
2016	Incidental	ngf.	Other ngf.	Ghost shrimp	27.24	0.00	0.00	27.24	27.24
2016	Incidental	ngf.	Other ngf.	Giant sea bass	2.24	0.00	0.00	2.24	2.24
2016	Incidental	ngf.	Other ngf.	Hagfish, unid.	2044.67	0.00	0.00	2044.67	2044.67
2016	Incidental	ngf.	Other ngf.	Jack mackerel	207.52	0.00	0.00	207.52	207.52
2016	Incidental	ngf.	Other ngf.	King crab, unid.	5.96	0.00	0.00	5.96	5.96
2016	Incidental	ngf.	Other ngf.	Mackerel, unid.	0.62	0.00	0.00	0.62	0.62
2016	Incidental	ngf.	Other ngf.	Market squid	38348.82	0.00	0.00	38348.82	38348.82
2016	Incidental	ngf.	Other ngf.	Mixed species	31.90	0.00	0.00	31.90	31.90
2016	Incidental	ngf.	Other ngf.	Mollusc, unid.	37.54	0.00	0.00	37.54	37.54
2016	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.12	0.00	0.00	0.12	0.12
2016	Incidental	ngf.	Other ngf.	Northern anchovy	13794.53	0.00	0.00	13794.53	13794.53
2016	Incidental	ngf.	Other ngf.	Octopus, unid.	1.93	0.00	0.00	1.93	1.93
2016	Incidental	ngf.	Other ngf.	Pacific angel shark	16.10	0.00	0.00	16.10	16.10
2016	Incidental	ngf.	Other ngf.	Pacific bonito	98.73	0.00	0.00	98.73	98.73
2016	Incidental	ngf.	Other ngf.	Pacific herring	447.38	0.00	0.00	447.38	447.38
2016	Incidental	ngf.	Other ngf.	Pacific mackerel	1804.25	0.00	0.00	1804.25	1804.25
2016	Incidental	ngf.	Other ngf.	Pacific sardine	436.52	0.00	0.00	436.52	436.52
2016	Incidental	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2016	Incidental	ngf.	Other ngf.	Pelagic thresher shark	0.35	0.00	0.00	0.35	0.35
2016	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.18	0.00	0.00	0.18	0.18
2016	Incidental	ngf.	Other ngf.	Razor clam	77.79	0.00	0.00	77.79	77.79
2016	Incidental	ngf.	Other ngf.	Red rock crab	556.60	0.00	0.00	556.60	556.60
2016	Incidental	ngf.	Other ngf.	Red urchin	2782.33	0.00	0.00	2782.33	2782.33
2016	Incidental	ngf.	Other ngf.	Ridgeback prawn	23.09	0.00	0.00	23.09	23.09
2016	Incidental	ngf.	Other ngf.	Sculpin, unid.	0.05	0.00	0.00	0.05	0.05
2016	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	33.91	0.00	0.00	33.91	33.91
2016	Incidental	ngf.	Other ngf.	Shark, unid.	1.22	0.00	0.00	1.22	1.22
2016	Incidental	ngf.	Other ngf.	Shrimp, unid.	39.99	0.00	0.00	39.99	39.99
2016	Incidental	ngf.	Other ngf.	Skate, unid.	1.52	0.00	0.00	1.52	1.52
2016	Incidental	ngf.	Other ngf.	Skipjack tuna	29.23	0.00	0.00	29.23	29.23
2016	Incidental	ngf.	Other ngf.	Soft-shelled clam	0.16	0.00	0.00	0.16	0.16
2016	Incidental	ngf.	Other ngf.	Spot prawn	258.08	0.00	0.00	258.08	258.08
2016	Incidental	ngf.	Other ngf.	Surfperch, unid.	17.91	0.00	0.00	17.91	17.91
2016	Incidental	ngf.	Other ngf.	Swordfish	316.67	0.00	0.00	316.67	316.67

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Incidental	ngf.	Other ngf.	Tuna, unid.	0.13	0.00	0.00	0.13	0.13
2016	Incidental	ngf.	Other ngf.	Urchin, unid.	5.16	0.00	0.00	5.16	5.16
2016	Incidental	ngf.	Other ngf.	White croaker	7.35	0.00	0.00	7.35	7.35
2016	Incidental	ngf.	Other ngf.	White sea bass	103.87	0.00	0.00	103.87	103.87
2016	Incidental	ngf.	Other ngf.	Wolf-eel	0.02	0.00	0.00	0.02	0.02
2016	Incidental	ngf.	Other ngf.	Yellowfin tuna	346.10	0.00	0.00	346.10	346.10
2016	Incidental	ngf.	Other ngf.	Yellowtail amberjack	24.44	0.00	0.00	24.44	24.44
2016	Incidental	ngf.	Shared ECS	Round herring	14.28	0.00	0.00	14.28	14.28
2016	Incidental	ngf.	Shared ECS	Smelt, unid.	134.30	0.00	0.00	134.30	134.30
2016	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.10	0.02	0.02	0.13	0.13
2016	LE FG DTL – H&L	gf.	Big skate	Big skate	0.02	0.26	0.26	0.28	0.28
2016	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.56	0.00	0.00	1.56	1.56
2016	LE FG DTL – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.03	4.24	4.24	4.27	4.27
2016	LE FG DTL – H&L	gf.	Canary rf.	Canary rf.	0.00	0.04	0.04	0.04	0.04
2016	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.07	0.00	0.00	0.07	0.07
2016	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.17	0.00	0.00	1.17	1.17
2016	LE FG DTL – H&L	gf.	Dover sole	Dover sole	0.82	0.49	0.49	1.31	1.31
2016	LE FG DTL – H&L	gf.	ECS	Black skate	0.35	1.48	1.48	1.83	1.83
2016	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – H&L	gf.	ECS	CA skate	0.01	0.19	0.19	0.20	0.20
2016	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.01	0.62	0.62	0.63	0.63
2016	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	10.21	0.01	0.01	10.22	10.22
2016	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.64	0.64	0.64	0.64
2016	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	19.31	26.73	26.73	46.04	46.04
2016	LE FG DTL – H&L	gf.	ECS	Sandpaper skate	0.00	0.28	0.28	0.28	0.28
2016	LE FG DTL – H&L	gf.	ECS	Smooth grenadier	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.00	6.75	6.75	6.75	6.75
2016	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.01	0.53	0.53	0.54	0.54
2016	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	1.29	0.26	0.02	1.55	1.31
2016	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.26	0.00	0.00	0.26	0.26
2016	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	3.17	8.27	4.13	11.44	7.30
2016	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	3.69	3.78	3.78	7.46	7.46
2016	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	9.38	0.45	0.45	9.83	9.83
2016	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.03	0.03	0.03	0.03
2016	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.03	0.03	0.03	0.03
2016	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.07	0.00	0.00	0.07	0.07
2016	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.08	0.00	0.00	0.08	0.08
2016	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.14	0.00	0.00	0.14	0.14
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.06	0.00	0.00	0.06	0.06
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.01	0.01	0.02	0.02
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.43	0.00	0.00	0.43	0.43
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.02	0.00	0.00	0.02	0.02
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.06	0.00	0.00	0.06	0.06
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.09	0.00	0.00	0.09	0.09
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.48	0.00	0.00	0.48	0.48
2016	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	2.67	0.00	0.00	2.67	2.67
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	2.69	0.01	0.01	2.69	2.69
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	4.44	0.00	0.00	4.44	4.44
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.00	0.00	0.02	0.02
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.11	0.00	0.00	0.11	0.11
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.13	0.00	0.00	2.13	2.13
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.18	0.00	0.00	1.18	1.18
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.60	0.00	0.00	0.60	0.60
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	17.19	0.46	0.46	17.66	17.66
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2016	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	1.57	0.00	0.00	1.57	1.57
2016	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	0.40	0.00	0.00	0.40	0.40
2016	LE FG DTL – H&L	gf.	Other rf.	Rockfish, unid.	0.22	0.00	0.00	0.22	0.22

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2016	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.09	0.00	0.00	0.09	0.09
2016	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.04	0.23	0.23	0.27	0.27
2016	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.07	0.00	0.00	0.07	0.07
2016	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.21	0.00	0.00	0.21	0.21
2016	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	174.27	60.05	12.01	234.32	186.28
2016	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	361.18	20.31	4.06	381.49	365.24
2016	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	16.95	0.63	0.63	17.58	17.58
2016	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	101.93	1.60	1.60	103.53	103.53
2016	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.18	1.23	0.61	1.41	0.80
2016	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.23	0.00	0.00	0.23	0.23
2016	LE FG DTL – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.12	0.12	0.12	0.12
2016	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2016	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Bigmouth sole	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.23	0.23	0.23	0.23
2016	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.02	0.00	0.00	0.02	0.02
2016	LE FG DTL – H&L	ngf.	Other ngf.	Bivalve, unid.	0.40	0.00	0.00	0.40	0.40
2016	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.00	2.40	2.40	2.40	2.40
2016	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.60	0.00	0.00	0.60	0.60
2016	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.12	0.00	0.00	0.12	0.12
2016	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	4.63	4.63	4.63	4.63
2016	LE FG DTL – H&L	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.05	0.05	0.05	0.05
2016	LE FG DTL – H&L	ngf.	Other ngf.	Common thresher shark	0.10	0.00	0.00	0.10	0.10
2016	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	2.06	2.06	2.06	2.06
2016	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.75	0.75	0.75	0.75
2016	LE FG DTL – H&L	ngf.	Other ngf.	Hair crab	0.00	0.05	0.05	0.05	0.05
2016	LE FG DTL – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.33	0.33	0.33	0.33
2016	LE FG DTL – H&L	ngf.	Other ngf.	King of the salmon	0.00	0.11	0.11	0.11	0.11
2016	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.60	0.60	0.60	0.60
2016	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.04	0.00	0.00	0.04	0.04
2016	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.70	0.00	0.00	0.70	0.70
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.18	0.18	0.18	0.18
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.04	0.04	0.04	0.04
2016	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.16	5.09	0.91	5.25	1.08
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.07	0.00	0.00	0.07	0.07

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	16.26	16.26	16.26	16.26
2016	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.11	0.11	0.11	0.11
2016	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.04	0.04	0.04	0.04
2016	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.62	0.62	0.62	0.62
2016	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	0.87	5.91	5.91	6.78	6.78
2016	LE FG DTL – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.05	0.05	0.05	0.05
2016	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	0.80	0.00	0.00	0.80	0.80
2016	LE FG DTL – H&L	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	1.19	1.19	1.19	1.19
2016	LE FG DTL – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – H&L	ngf.	Other ngf.	Thornback	0.00	0.08	0.08	0.08	0.08
2016	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.03	0.00	0.00	0.03	0.03
2016	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.39	0.00	0.00	0.39	0.39
2016	LE FG DTL – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.18	0.18	0.18	0.18
2016	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.37	0.37	0.37	0.37
2016	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.01	0.01	0.01	0.01
2016	LE FG DTL – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.02	0.02	0.02	0.02
2016	LE FG DTL – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	ECS	Pacific grenadier	0.00	0.02	0.02	0.02	0.02
2016	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.22	0.00	0.00	0.22	0.22
2016	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.05	0.00	0.00	0.06	0.06
2016	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2016	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.01	0.01	0.01	0.01	0.01
2016	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	12.44	3.85	0.77	16.28	13.21
2016	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.11	0.11	0.11	0.11
2016	LE FG DTL – Pot	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.34	0.00	0.00	0.34	0.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE FG DTL – Pot	ngf.	Other ngf.	Hair crab	0.00	0.03	0.03	0.03	0.03
2016	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.08	0.08	0.08	0.08
2016	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.77	16.82	16.82	17.58	17.58
2016	LE Sablefish – H&L	gf.	Big skate	Big skate	1.59	2.93	2.93	4.53	4.53
2016	LE Sablefish – H&L	gf.	Black rf. (OR)	Black rf.	0.00	0.02	0.02	0.02	0.02
2016	LE Sablefish – H&L	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.03	0.00	0.00	0.03	0.03
2016	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	0.05	1.43	1.43	1.47	1.47
2016	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2016	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.66	0.22	0.22	1.88	1.88
2016	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.11	0.62	0.62	1.73	1.73
2016	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.02	0.02	0.02	0.02
2016	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.12	0.12	0.12	0.12
2016	LE Sablefish – H&L	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	3.76	3.76	3.76	3.76
2016	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	0.01	0.61	0.61	0.62	0.62
2016	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	5.64	2.94	2.94	8.58	8.58
2016	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	1.09	1.09	1.09	1.09
2016	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.00	0.22	0.22	0.22	0.22
2016	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	1.46	1.46	1.46	1.46
2016	LE Sablefish – H&L	gf.	ECS	White skate	0.00	0.03	0.03	0.03	0.03
2016	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	8.72	2.32	0.16	11.04	8.88
2016	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.34	0.02	0.00	0.37	0.34
2016	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	27.51	61.33	30.67	88.84	58.17
2016	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	0.98	0.05	0.05	1.03	1.03
2016	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.04	0.00	0.00	0.04	0.04
2016	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.10	0.10	0.10	0.10
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.15	0.03	0.03	0.18	0.18

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.10	0.04	0.04	0.14	0.14
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.18	0.34	0.34	0.52	0.52
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.01	0.10	0.10	0.11	0.11
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.32	0.14	0.14	0.46	0.46
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.17	0.00	0.00	0.17	0.17
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.14	0.02	0.02	0.16	0.16
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.02	0.00	0.00	0.02	0.02
2016	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.05	0.02	0.02	0.07	0.07
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.38	0.31	0.31	0.69	0.69
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	15.05	6.67	6.67	21.72	21.72
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	23.59	9.66	9.66	33.25	33.25
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.00	0.00	0.02	0.02
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.76	0.47	0.47	2.22	2.22
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.09	0.09	0.09	0.09
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	2.39	0.04	0.04	2.43	2.43
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.00	0.00	0.06	0.06
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.13	0.00	0.00	0.14	0.14
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.03	0.00	0.00	0.03	0.03
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	4.04	0.10	0.10	4.14	4.14
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	1.21	0.01	0.01	1.22	1.22
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.27	0.00	0.00	0.27	0.27
2016	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.00	0.06	0.06	0.06	0.06
2016	LE Sablefish – H&L	gf.	Other flatfish	Flathead sole	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	gf.	Other flatfish	Rock sole	0.18	0.00	0.00	0.18	0.18
2016	LE Sablefish – H&L	gf.	Other gf.	Greenling, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Other rf.	Rockfish, unid.	0.19	0.00	0.00	0.19	0.19
2016	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	5.10	1.94	1.94	7.04	7.04
2016	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.00	0.11	0.11	0.11	0.11
2016	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.10	0.08	0.08	0.18	0.18
2016	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.75	0.56	0.56	1.30	1.30
2016	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1014.90	345.89	69.18	1360.79	1084.08
2016	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	16.83	0.00	0.00	16.83	16.83

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	21.52	4.38	4.38	25.91	25.91
2016	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	2.18	0.00	0.00	2.18	2.18
2016	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.09	206.85	103.43	206.94	103.51
2016	LE Sablefish – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.05	0.57	0.57	0.62	0.62
2016	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.52	0.52	0.52	0.52
2016	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.54	1.08	1.08	1.62	1.62
2016	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2016	LE Sablefish – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	18.02	18.02	18.02	18.02
2016	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.07	0.07	0.07	0.07
2016	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.96	0.96	0.96	0.96
2016	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.30	0.30	0.30	0.30
2016	LE Sablefish – H&L	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2016	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	17.55	168.17	15.59	185.71	33.14
2016	LE Sablefish – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	13.14	13.14	13.14	13.14
2016	LE Sablefish – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.65	0.65	0.65	0.65
2016	LE Sablefish – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sea fan	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.12	0.12	0.12	0.12
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.96	0.72	0.72	1.69	1.69
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	2.73	0.04	0.04	2.77	2.77
2016	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – H&L	ngf.	Other ngf.	Wolf-eel	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.03	0.03	0.03	0.03
2016	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.10	0.10	0.10	0.10
2016	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.15	2.78	2.78	2.93	2.93
2016	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.11	0.01	0.01	0.13	0.13
2016	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.33	1.26	1.26	1.59	1.59
2016	LE Sablefish – Pot	gf.	ECS	CA grenadier	0.00	0.14	0.14	0.14	0.14
2016	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.48	0.48	0.48	0.48
2016	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.46	0.06	0.06	0.52	0.52
2016	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.10	0.10	0.10	0.10
2016	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	4.81	6.04	6.04	10.85	10.85
2016	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.54	0.02	0.02	0.56	0.56
2016	LE Sablefish – Pot	gf.	Longnose skate	Longnose skate	0.00	0.02	0.01	0.02	0.01
2016	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2016	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.59	0.02	0.02	0.61	0.61
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.98	0.10	0.10	1.08	1.08
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.01	0.01	0.01	0.02	0.02
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.30	0.00	0.00	0.30	0.30
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.11	0.00	0.00	0.12	0.12
2016	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2016	LE Sablefish – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE Sablefish – Pot	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.02	0.03	0.03	0.06	0.06
2016	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	359.00	125.95	25.19	484.95	384.19
2016	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.30	0.10	0.10	0.41	0.41
2016	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.15	0.15	0.15	0.15
2016	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.03	0.03	0.03	0.03
2016	LE Sablefish – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.85	0.85	0.85	0.85
2016	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.41	0.41	0.41	0.41
2016	LE Sablefish – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Giant wrymouth	0.00	0.02	0.02	0.02	0.02
2016	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – Pot	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.19	0.19	0.19	0.19
2016	LE Sablefish – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2016	LE Sablefish – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.07	0.07	0.07	0.07
2016	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	5.72	1.03	5.72	1.03
2016	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.25	0.25	0.25	0.25
2016	LE Sablefish – Pot	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.04	0.04	0.04	0.04
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.99	0.99	0.99	0.99
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.19	0.19	0.19	0.19

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.70	0.70	0.70	0.70
2016	LE Sablefish – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Tanner crab	Angulatus Tanner crab	0.00	0.00	0.00	0.00	0.00
2016	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.44	0.44	0.44	0.44
2016	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.30	2.30	2.30	2.30
2016	MW Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	1.27	0.00	0.00	1.27	1.27
2016	MW Hake	gf.	Big skate	Big skate	0.04	0.00	0.00	0.04	0.04
2016	MW Hake	gf.	Black rf. (WA)	Black rf.	0.02	0.00	0.00	0.02	0.02
2016	MW Hake	gf.	Canary rf.	Canary rf.	0.36	0.00	0.00	0.36	0.36
2016	MW Hake	gf.	Darkblotched rf.	Darkblotched rf.	1.73	0.00	0.00	1.73	1.73
2016	MW Hake	gf.	Dover sole	Dover sole	0.02	0.00	0.00	0.02	0.02
2016	MW Hake	gf.	ECS	Soupfin shark	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Groundfish unid	Groundfish, unid.	0.37	0.00	0.00	0.37	0.37
2016	MW Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.58	0.00	0.00	0.58	0.58
2016	MW Hake	gf.	Longnose skate	Longnose skate	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.12	0.00	0.00	1.12	1.12
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.39	0.00	0.00	0.39	0.39
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.05	0.00	0.00	1.05	1.05
2016	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.08	0.00	0.00	0.08	0.08
2016	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	13.92	0.00	0.00	13.92	13.92
2016	MW Hake	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Other flatfish	Rex sole	1.69	0.00	0.00	1.69	1.69
2016	MW Hake	gf.	Pacific hake	Pacific hake	8969.97	59.22	59.22	9029.20	9029.20
2016	MW Hake	gf.	POP (N of 40°10')	POP	2.52	0.00	0.00	2.52	2.52
2016	MW Hake	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	gf.	Sablefish (N of 36°)	Sablefish	0.46	0.00	0.00	0.46	0.46
2016	MW Hake	gf.	Shortbelly rf.	Shortbelly rf.	0.21	0.00	0.00	0.21	0.21
2016	MW Hake	gf.	SST (N of 34°27')	SST	0.60	0.00	0.00	0.60	0.60
2016	MW Hake	gf.	Spiny dogfish	Spiny dogfish shark	16.85	0.01	0.01	16.85	16.85

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	MW Hake	gf.	Widow rf.	Widow rf.	34.69	0.04	0.04	34.72	34.72
2016	MW Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	74.25	0.02	0.02	74.27	74.27
2016	MW Hake	ngf.	Other ngf.	American shad	11.16	0.00	0.00	11.16	11.16
2016	MW Hake	ngf.	Other ngf.	Blue shark	0.02	0.00	0.00	0.02	0.02
2016	MW Hake	ngf.	Other ngf.	Brown cat shark	0.40	0.00	0.00	0.40	0.40
2016	MW Hake	ngf.	Other ngf.	Common thresher shark	0.00	0.32	0.32	0.32	0.32
2016	MW Hake	ngf.	Other ngf.	Herring, unid.	0.00	0.05	0.05	0.05	0.05
2016	MW Hake	ngf.	Other ngf.	Jack mackerel	27.24	0.00	0.00	27.24	27.24
2016	MW Hake	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.01	0.01	0.01	0.01
2016	MW Hake	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	ngf.	Other ngf.	Mixed species	2.29	0.00	0.00	2.29	2.29
2016	MW Hake	ngf.	Other ngf.	PHLB	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	ngf.	Other ngf.	Pacific herring	0.39	0.00	0.00	0.39	0.39
2016	MW Hake	ngf.	Other ngf.	Pacific mackerel	0.37	0.00	0.00	0.37	0.37
2016	MW Hake	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2016	MW Hake	ngf.	Other ngf.	Salmon shark	0.00	0.73	0.73	0.73	0.73
2016	MW Hake	ngf.	Other ngf.	Shark, unid.	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake	ngf.	Other ngf.	Squid, unid.	2.24	0.07	0.07	2.31	2.31
2016	MW Hake	ngf.	Other ngf.	Walleye pollock	0.03	0.00	0.00	0.03	0.03
2016	MW Hake	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	Arrowtooth flounder	Arrowtooth flounder	10.13	0.01	0.01	10.14	10.14
2016	MW Hake EM	gf.	Big skate	Big skate	0.66	0.00	0.00	0.66	0.66
2016	MW Hake EM	gf.	Canary rf.	Canary rf.	6.63	0.02	0.02	6.65	6.65
2016	MW Hake EM	gf.	Darkblotched rf.	Darkblotched rf.	13.95	0.04	0.04	13.99	13.99
2016	MW Hake EM	gf.	Dover sole	Dover sole	0.06	0.00	0.00	0.06	0.06
2016	MW Hake EM	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	ECS	Soupfin shark	0.64	0.00	0.00	0.64	0.64
2016	MW Hake EM	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2016	MW Hake EM	gf.	Groundfish unid	Groundfish, unid.	2.95	0.01	0.01	2.96	2.96
2016	MW Hake EM	gf.	Lingcod (N of 40°10')	Lingcod	6.89	0.03	0.03	6.93	6.93
2016	MW Hake EM	gf.	Longnose skate	Longnose skate	0.09	0.00	0.00	0.09	0.09
2016	MW Hake EM	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2016	MW Hake EM	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.25	0.01	0.01	0.26	0.26
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	3.18	0.00	0.00	3.19	3.19
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.02	0.00	0.00	0.02	0.02
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.61	0.09	0.09	1.70	1.70

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.41	0.00	0.00	0.41	0.41
2016	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	15.55	0.01	0.01	15.56	15.56
2016	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.14	0.00	0.00	0.14	0.14
2016	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2016	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	9.61	0.03	0.03	9.64	9.64
2016	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	17.22	0.01	0.01	17.22	17.22
2016	MW Hake EM	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	Other flatfish	Pacific sanddab	0.13	0.00	0.00	0.13	0.13
2016	MW Hake EM	gf.	Other flatfish	Rex sole	3.54	0.00	0.00	3.54	3.54
2016	MW Hake EM	gf.	Other rf.	Rockfish, unid.	0.00	0.02	0.02	0.02	0.02
2016	MW Hake EM	gf.	Pacific cod	Pacific cod	0.07	0.00	0.00	0.07	0.07
2016	MW Hake EM	gf.	Pacific hake	Pacific hake	76412.20	315.19	315.19	76727.39	76727.39
2016	MW Hake EM	gf.	POP (N of 40°10')	POP	25.29	0.02	0.02	25.32	25.32
2016	MW Hake EM	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	gf.	Roundfish unid	Roundfish, unid.	0.00	0.65	0.65	0.65	0.65
2016	MW Hake EM	gf.	Sablefish (N of 36°)	Sablefish	5.49	0.00	0.00	5.49	5.49
2016	MW Hake EM	gf.	Shortbelly rf.	Shortbelly rf.	22.61	0.05	0.05	22.66	22.66
2016	MW Hake EM	gf.	SST (N of 34°27')	SST	11.30	0.01	0.01	11.31	11.31
2016	MW Hake EM	gf.	Spiny dogfish	Spiny dogfish shark	166.88	0.50	0.50	167.38	167.38
2016	MW Hake EM	gf.	Widow rf.	Widow rf.	202.68	3.02	3.02	205.70	205.70
2016	MW Hake EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	414.33	0.93	0.93	415.26	415.26
2016	MW Hake EM	ngf.	Other ngf.	Albacore tuna	0.01	0.00	0.00	0.01	0.01
2016	MW Hake EM	ngf.	Other ngf.	American shad	134.90	0.20	0.20	135.10	135.10
2016	MW Hake EM	ngf.	Other ngf.	Blue shark	0.06	0.00	0.00	0.06	0.06
2016	MW Hake EM	ngf.	Other ngf.	Brown cat shark	4.76	0.00	0.00	4.77	4.77
2016	MW Hake EM	ngf.	Other ngf.	Common thresher shark	0.21	0.00	0.00	0.21	0.21
2016	MW Hake EM	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	ngf.	Other ngf.	Jack mackerel	128.97	1.18	1.18	130.15	130.15
2016	MW Hake EM	ngf.	Other ngf.	Mackerel, unid.	0.02	0.00	0.00	0.02	0.02
2016	MW Hake EM	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2016	MW Hake EM	ngf.	Other ngf.	Mixed species	29.49	0.08	0.08	29.57	29.57
2016	MW Hake EM	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	ngf.	Other ngf.	Octopus, unid.	0.01	0.00	0.00	0.01	0.01
2016	MW Hake EM	ngf.	Other ngf.	PHLB	0.65	0.65	0.65	1.30	1.30
2016	MW Hake EM	ngf.	Other ngf.	Pacific herring	2.46	0.01	0.01	2.47	2.47
2016	MW Hake EM	ngf.	Other ngf.	Pacific mackerel	2.70	0.06	0.06	2.76	2.76
2016	MW Hake EM	ngf.	Other ngf.	Pacific sardine	0.19	0.00	0.00	0.19	0.19
2016	MW Hake EM	ngf.	Other ngf.	Shark, unid.	1.31	0.00	0.00	1.31	1.31

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	MW Hake EM	ngf.	Other ngf.	Skate, unid.	0.04	0.00	0.00	0.04	0.04
2016	MW Hake EM	ngf.	Other ngf.	Squid, unid.	15.80	0.04	0.04	15.84	15.84
2016	MW Hake EM	ngf.	Other ngf.	Walleye pollock	2.53	0.04	0.04	2.57	2.57
2016	MW Hake EM	ngf.	Other ngf.	White sea bass	0.00	0.00	0.00	0.00	0.00
2016	MW Hake EM	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Canary rf.	Canary rf.	0.16	0.00	0.00	0.16	0.16
2016	MW Rf.	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2016	MW Rf.	gf.	Lingcod (N of 40°10')	Lingcod	0.07	0.00	0.00	0.07	0.07
2016	MW Rf.	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2016	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.09	0.00	0.00	0.09	0.09
2016	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.10	0.00	0.00	0.10	0.10
2016	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	1.07	0.00	0.00	1.07	1.07
2016	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.03	0.00	0.00	0.03	0.03
2016	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Other flatfish	Pacific sanddab	0.01	0.09	0.09	0.10	0.10
2016	MW Rf.	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2016	MW Rf.	gf.	Pacific hake	Pacific hake	28.96	0.91	0.91	29.86	29.86
2016	MW Rf.	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2016	MW Rf.	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	gf.	Spiny dogfish	Spiny dogfish shark	1.71	0.00	0.00	1.71	1.71
2016	MW Rf.	gf.	Widow rf.	Widow rf.	146.77	1.36	1.36	148.13	148.13
2016	MW Rf.	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	169.23	0.00	0.00	169.23	169.23
2016	MW Rf.	ngf.	Other ngf.	American shad	0.23	0.00	0.00	0.23	0.23
2016	MW Rf.	ngf.	Other ngf.	Jack mackerel	7.05	0.00	0.00	7.05	7.05
2016	MW Rf.	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	ngf.	Other ngf.	Pacific herring	0.06	0.01	0.01	0.07	0.07
2016	MW Rf.	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf.	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Arrowtooth flounder	Arrowtooth flounder	0.03	0.00	0.00	0.03	0.03
2016	MW Rf. EM	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Black rf. (OR)	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Canary rf.	Canary rf.	5.92	0.00	0.00	5.92	5.92

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	MW Rf. EM	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	English sole	English sole	0.02	0.00	0.00	0.02	0.02
2016	MW Rf. EM	gf.	Groundfish unid	Groundfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Lingcod (N of 40°10')	Lingcod	0.39	0.00	0.00	0.39	0.39
2016	MW Rf. EM	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2016	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.31	0.00	0.00	0.31	0.31
2016	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.08	0.00	0.00	0.08	0.08
2016	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2016	MW Rf. EM	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Other flatfish	Pacific sanddab	0.01	0.00	0.00	0.01	0.01
2016	MW Rf. EM	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Pacific hake	Pacific hake	48.42	0.10	0.10	48.52	48.52
2016	MW Rf. EM	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Sablefish (N of 36°)	Sablefish	0.05	0.00	0.00	0.05	0.05
2016	MW Rf. EM	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	gf.	Spiny dogfish	Spiny dogfish shark	0.32	0.00	0.00	0.32	0.32
2016	MW Rf. EM	gf.	Widow rf.	Widow rf.	403.36	0.20	0.20	403.55	403.55
2016	MW Rf. EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	357.73	0.15	0.15	357.88	357.88
2016	MW Rf. EM	ngf.	Other ngf.	American shad	0.14	0.00	0.00	0.14	0.14
2016	MW Rf. EM	ngf.	Other ngf.	Jack mackerel	2.37	0.00	0.00	2.37	2.37
2016	MW Rf. EM	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	ngf.	Other ngf.	Mixed species	0.05	0.00	0.00	0.05	0.05
2016	MW Rf. EM	ngf.	Other ngf.	Pacific herring	0.28	0.00	0.00	0.28	0.28
2016	MW Rf. EM	ngf.	Other ngf.	Pacific mackerel	1.14	0.00	0.00	1.14	1.14
2016	MW Rf. EM	ngf.	Other ngf.	Pacific sardine	0.12	0.00	0.00	0.12	0.12
2016	MW Rf. EM	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2016	MW Rf. EM	ngf.	Other ngf.	Walleye pollock	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	Big skate	Big skate	0.12	0.00	0.00	0.12	0.12
2016	Nearshore	gf.	Black rf. (CA)	Black rf.	63.17	1.83	0.62	64.99	63.79
2016	Nearshore	gf.	Black rf. (OR)	Black rf.	103.85	4.99	1.22	108.84	105.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.75	0.00	0.00	0.75	0.75
2016	Nearshore	gf.	Cabezon (CA)	Cabezon	30.44	3.69	0.26	34.13	30.70
2016	Nearshore	gf.	Cabezon (OR)	Cabezon	15.73	1.25	0.09	16.97	15.81
2016	Nearshore	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	2.28	0.05	0.00	2.33	2.28
2016	Nearshore	gf.	Canary rf.	Canary rf.	0.00	11.56	7.49	11.56	7.49
2016	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	ECS	CA skate	0.00	0.09	0.01	0.09	0.01
2016	Nearshore	gf.	ECS	Sandpaper skate	0.00	0.02	0.00	0.02	0.00
2016	Nearshore	gf.	ECS	Soupfin shark	1.31	0.00	0.00	1.31	1.31
2016	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.29	0.02	0.29	0.02
2016	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	48.56	26.76	1.87	75.32	50.43
2016	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	25.92	13.07	0.92	39.00	26.84
2016	Nearshore	gf.	Longnose skate	Longnose skate	0.03	0.06	0.00	0.08	0.03
2016	Nearshore	gf.	LST (N of 34°27')	LST	0.06	0.00	0.00	0.06	0.06
2016	Nearshore	gf.	LST (S of 34°27')	LST	0.06	0.00	0.00	0.06	0.06
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	5.36	6.96	2.38	12.33	7.74
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.02	0.00	0.00	0.03	0.02
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	3.54	0.36	0.11	3.90	3.65
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	1.29	0.04	0.02	1.33	1.31
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.06	0.00	0.00	0.06	0.06
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.13	0.00	0.00	0.13	0.13
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.04	0.00	0.00	0.04	0.04
2016	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	1.43	0.25	0.10	1.68	1.53
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	14.13	0.45	0.24	14.58	14.38
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	5.43	2.84	1.79	8.27	7.22
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	19.74	0.87	0.53	20.62	20.27
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.04	0.03	0.04	0.03
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.24	0.60	0.39	1.85	1.63
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	8.22	0.36	0.22	8.57	8.44
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	22.33	3.30	2.15	25.63	24.47
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	8.70	0.02	0.01	8.72	8.71
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.78	0.11	0.06	0.89	0.84
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.05	0.00	0.00	0.05	0.05
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.40	0.38	0.28	0.78	0.67
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.41	0.00	0.00	0.41	0.41
2016	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	2.14	0.75	0.47	2.89	2.60
2016	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2016	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.01	0.01	0.01	0.01
2016	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.23	0.01	0.01	0.25	0.24
2016	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	2.63	0.12	0.04	2.74	2.67
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.03	0.00	0.00	0.03	0.03
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.08	0.00	0.00	0.08	0.08
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.08	0.00	0.00	0.08	0.08
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.04	0.01	0.01	0.05	0.05
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	1.21	0.00	0.00	1.21	1.21
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.16	0.00	0.00	0.16	0.16
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.00	0.00	0.02	0.02
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.23	0.00	0.00	0.23	0.23
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	11.72	0.19	0.13	11.91	11.85
2016	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.44	0.02	0.02	0.46	0.45
2016	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2016	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.73	0.00	0.00	0.73	0.73
2016	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	gf.	Other flatfish	Butter sole	0.00	0.01	0.00	0.01	0.00
2016	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	Other flatfish	Pacific sanddab	3.55	0.01	0.00	3.57	3.55
2016	Nearshore	gf.	Other flatfish	Rock sole	0.03	0.01	0.00	0.04	0.03
2016	Nearshore	gf.	Other flatfish	Sand sole	0.01	0.01	0.00	0.02	0.01
2016	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.01	0.01
2016	Nearshore	gf.	Other gf.	Kelp greenling (CA)	4.89	1.06	0.07	5.96	4.97
2016	Nearshore	gf.	Other gf.	Kelp greenling (OR)	8.37	0.59	0.04	8.95	8.41
2016	Nearshore	gf.	Other gf.	Leopard shark	0.42	0.11	0.01	0.54	0.43
2016	Nearshore	gf.	Other rf.	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02
2016	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.06	0.00	0.06	0.01
2016	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	0.51	0.00	0.00	0.51	0.51
2016	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	6.25	0.00	0.00	6.25	6.25
2016	Nearshore	gf.	SST (N of 34°27')	SST	1.20	0.00	0.00	1.20	1.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Nearshore	gf.	SST (S of 34°27')	SST	0.91	0.00	0.00	0.91	0.91
2016	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.14	0.00	0.00	0.14	0.14
2016	Nearshore	gf.	Starry flounder	Starry flounder	0.02	0.00	0.00	0.02	0.02
2016	Nearshore	gf.	Widow rf.	Widow rf.	0.04	0.00	0.00	0.04	0.04
2016	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.00	1.41	0.64	1.41	0.64
2016	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.54	0.22	0.05	0.76	0.59
2016	Nearshore	ngf.	CA halibut	CA halibut	0.53	0.00	0.00	0.53	0.53
2016	Nearshore	ngf.	Dungeness crab	Dungeness crab	5.59	0.13	0.13	5.72	5.72
2016	Nearshore	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.12	0.12	0.12	0.12
2016	Nearshore	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	3.59	3.59	3.59	3.59
2016	Nearshore	ngf.	Other ngf.	Bass, unid.	0.00	0.09	0.09	0.09	0.09
2016	Nearshore	ngf.	Other ngf.	Bat ray	0.86	0.69	0.69	1.54	1.54
2016	Nearshore	ngf.	Other ngf.	Bivalve, unid.	0.05	0.00	0.00	0.05	0.05
2016	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	2.23	2.23	2.23	2.23
2016	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.58	0.58	0.58	0.58
2016	Nearshore	ngf.	Other ngf.	Bluefin tuna	0.23	0.00	0.00	0.23	0.23
2016	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.04	0.00	0.00	0.04	0.04
2016	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.45	0.45	0.45	0.45
2016	Nearshore	ngf.	Other ngf.	CA barracuda	0.01	0.00	0.00	0.01	0.01
2016	Nearshore	ngf.	Other ngf.	CA sheephead	27.88	45.59	45.59	73.47	73.47
2016	Nearshore	ngf.	Other ngf.	CA spiny lobster	2.09	0.00	0.00	2.09	2.09
2016	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.02	0.02	0.02	0.02
2016	Nearshore	ngf.	Other ngf.	Common thresher shark	0.09	0.00	0.00	0.09	0.09
2016	Nearshore	ngf.	Other ngf.	Crab, unid.	2.37	0.02	0.02	2.39	2.39
2016	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.47	0.47	0.47	0.47
2016	Nearshore	ngf.	Other ngf.	Eel, unid.	0.11	0.00	0.00	0.11	0.11
2016	Nearshore	ngf.	Other ngf.	Finescale triggerfish	0.00	0.05	0.05	0.05	0.05
2016	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.96	0.96	0.96	0.96
2016	Nearshore	ngf.	Other ngf.	Giant sea bass	0.08	0.00	0.00	0.08	0.08
2016	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.24	0.24	0.24	0.24
2016	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	21.79	21.79	21.79	21.79
2016	Nearshore	ngf.	Other ngf.	King crab, unid.	0.10	0.00	0.00	0.10	0.10
2016	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.08	0.00	0.00	0.08	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Nearshore	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Masking crab	0.00	0.00	0.00	0.00	0.00
2016	Nearshore	ngf.	Other ngf.	Mixed species	3.47	0.00	0.00	3.47	3.47
2016	Nearshore	ngf.	Other ngf.	Mollusc, unid.	4.32	0.01	0.01	4.33	4.33
2016	Nearshore	ngf.	Other ngf.	Moridae, unid.	0.00	0.08	0.08	0.08	0.08
2016	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.11	0.11	0.11	0.11
2016	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.65	0.05	0.05	0.70	0.70
2016	Nearshore	ngf.	Other ngf.	Opaleye	0.00	0.14	0.14	0.14	0.14
2016	Nearshore	ngf.	Other ngf.	Pacific bonito	0.02	0.00	0.00	0.02	0.02
2016	Nearshore	ngf.	Other ngf.	PHLB	0.00	3.01	3.01	3.01	3.01
2016	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.14	0.00	0.00	0.14	0.14
2016	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.19	0.19	0.19	0.19
2016	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.03	0.03	0.03	0.03
2016	Nearshore	ngf.	Other ngf.	Puget Sound king crab	0.00	0.04	0.04	0.04	0.04
2016	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.07	0.07	0.07	0.07
2016	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.20	0.20	0.20	0.20
2016	Nearshore	ngf.	Other ngf.	Red rock crab	37.65	1.22	1.22	38.87	38.87
2016	Nearshore	ngf.	Other ngf.	Rock wrasse	0.00	0.05	0.05	0.05	0.05
2016	Nearshore	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.01	0.01	0.01	0.01
2016	Nearshore	ngf.	Other ngf.	Sargo	0.00	0.16	0.16	0.16	0.16
2016	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.03	0.26	0.26	0.29	0.29
2016	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.07	0.28	0.28	0.35	0.35
2016	Nearshore	ngf.	Other ngf.	Sea snail, unid.	0.00	0.04	0.04	0.04	0.04
2016	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	0.72	0.72	0.72	0.72
2016	Nearshore	ngf.	Other ngf.	Shark, unid.	0.35	0.50	0.50	0.85	0.85
2016	Nearshore	ngf.	Other ngf.	Sheep crab	0.00	0.03	0.03	0.03	0.03
2016	Nearshore	ngf.	Other ngf.	Skate, unid.	0.17	0.00	0.00	0.17	0.17
2016	Nearshore	ngf.	Other ngf.	Smoothhound shark, unid.	0.00	0.03	0.03	0.03	0.03
2016	Nearshore	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.01	0.01	0.01	0.01
2016	Nearshore	ngf.	Other ngf.	Spot prawn	2.89	0.00	0.00	2.89	2.89
2016	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.06	0.06	0.06	0.06
2016	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.05	0.05	0.05	0.05
2016	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.17	0.01	0.01	0.18	0.18
2016	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.05	0.05	0.05	0.05
2016	Nearshore	ngf.	Other ngf.	Swordfish	0.12	0.00	0.00	0.12	0.12
2016	Nearshore	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.10	0.10	0.10	0.10
2016	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2016	Nearshore	ngf.	Other ngf.	White croaker	0.41	0.00	0.00	0.41	0.41
2016	Nearshore	ngf.	Other ngf.	White sea bass	0.34	0.00	0.00	0.34	0.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Nearshore	ngf.	Other ngf.	Wolf-eel	0.20	0.34	0.34	0.54	0.54
2016	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.12	0.00	0.00	0.12	0.12
2016	Nearshore	ngf.	Shared ECS	Smelt, unid.	0.10	0.00	0.00	0.10	0.10
2016	OA CA Halibut	gf.	Big skate	Big skate	0.00	23.91	11.96	23.91	11.96
2016	OA CA Halibut	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.32	0.32	0.32	0.32
2016	OA CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	ECS	CA skate	0.00	13.55	13.55	13.55	13.55
2016	OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	ECS	Soupfin shark	0.01	0.13	0.13	0.15	0.15
2016	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.03	0.03	0.03	0.03
2016	OA CA Halibut	gf.	English sole	English sole	0.18	3.21	3.21	3.39	3.39
2016	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.29	0.17	0.08	0.46	0.37
2016	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.13	0.13	0.13	0.13
2016	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.01	0.01	0.03	0.03
2016	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.02	0.03	0.03	0.05	0.05
2016	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.63	4.99	4.99	5.62	5.62
2016	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.20	0.01	0.01	0.21	0.21
2016	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.02	1.28	1.28	1.30	1.30
2016	OA CA Halibut	gf.	Other flatfish	Rex sole	0.02	0.08	0.08	0.09	0.09
2016	OA CA Halibut	gf.	Other flatfish	Rock sole	0.12	0.85	0.85	0.97	0.97
2016	OA CA Halibut	gf.	Other flatfish	Sand sole	2.92	0.43	0.43	3.35	3.35
2016	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	gf.	Other gf.	Leopard shark	0.00	0.54	0.54	0.54	0.54
2016	OA CA Halibut	gf.	Petrale sole	Petrale sole	2.35	0.60	0.60	2.95	2.95
2016	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.72	0.72	0.72	0.72
2016	OA CA Halibut	gf.	Starry flounder	Starry flounder	4.89	0.81	0.81	5.70	5.70
2016	OA CA Halibut	ngf.	CA halibut	CA halibut	89.61	15.58	15.58	105.19	105.19
2016	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	110.04	110.04	110.04	110.04
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Deepsea sole	0.01	0.00	0.00	0.01	0.01
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.27	0.27	0.27	0.27
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.21	1.21	1.21	1.42	1.42
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.60	0.60	0.60	0.60
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.05	0.05	0.05	0.05
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.05	0.00	0.00	0.05	0.05
2016	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.04	0.04	0.04	0.04
2016	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.11	0.11	0.11	0.11
2016	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	0.07	0.07	0.07	0.07
2016	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.13	0.13	0.13	0.13
2016	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.54	0.54	0.54	0.54
2016	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.00	16.04	16.04	16.04	16.04
2016	OA CA Halibut	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Blacksmith	0.00	0.04	0.04	0.04	0.04
2016	OA CA Halibut	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.04	0.00	0.00	0.04	0.04
2016	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	2.38	2.38	2.38	2.38
2016	OA CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	CA butterfly ray	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	0.37	0.37	0.37	0.37
2016	OA CA Halibut	ngf.	Other ngf.	CA sheephead	0.00	0.33	0.33	0.33	0.33
2016	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Common thresher shark	0.02	0.05	0.05	0.07	0.07
2016	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.16	0.00	0.00	0.16	0.16
2016	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Diamond stingray	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.83	0.83	0.83	0.83
2016	OA CA Halibut	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.55	0.55	0.55	0.55
2016	OA CA Halibut	ngf.	Other ngf.	Gray smoothhound shark	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.57	0.57	0.57	0.57
2016	OA CA Halibut	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Kelp bass	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA CA Halibut	ngf.	Other ngf.	Kelp crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	1.32	1.32	1.32	1.32
2016	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Mantis shrimp	0.00	0.04	0.04	0.04	0.04
2016	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.03	0.03	0.03	0.03
2016	OA CA Halibut	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Ocean whitefish	0.00	0.04	0.04	0.04	0.04
2016	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	2.34	1.34	1.34	3.68	3.68
2016	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.10	0.10	0.10	0.10
2016	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	1.89	1.89	1.89	1.89
2016	OA CA Halibut	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.05	0.05	0.05	0.05
2016	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.02	0.02	0.02	0.02
2016	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.05	0.05	0.05	0.05
2016	OA CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Queenfish	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	0.49	0.49	0.49	0.49
2016	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Round stingray	0.00	0.03	0.03	0.03	0.03
2016	OA CA Halibut	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Sarcastic fringehead	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Scallop, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.38	0.38	0.38	0.38
2016	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.43	0.10	0.10	0.53	0.53
2016	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.34	0.34	0.34	0.34
2016	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.05	0.05	0.05	0.05
2016	OA CA Halibut	ngf.	Other ngf.	Sea whip	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.15	0.15	0.15	0.15
2016	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.01	0.06	0.06	0.08	0.08
2016	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	1.11	1.11	1.11	1.11
2016	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	0.56	0.56	0.56	0.56
2016	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.06	0.06	0.06	0.06

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.05	0.00	0.00	0.05	0.05
2016	OA CA Halibut	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.08	0.08	0.08	0.08
2016	OA CA Halibut	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.03	0.03	0.03	0.03
2016	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Spotted sand bass	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.18	0.18	0.18	0.18
2016	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.82	0.82	0.82	0.82
2016	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.33	0.33	0.33	0.33
2016	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	0.69	0.69	0.69	0.69
2016	OA CA Halibut	ngf.	Other ngf.	Thresher shark, unid.	0.00	0.18	0.18	0.18	0.18
2016	OA CA Halibut	ngf.	Other ngf.	White croaker	0.00	2.34	2.34	2.34	2.34
2016	OA CA Halibut	ngf.	Other ngf.	White sea bass	2.37	0.12	0.12	2.49	2.49
2016	OA CA Halibut	ngf.	Other ngf.	White sturgeon	0.00	0.26	0.26	0.26	0.26
2016	OA CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.03	0.03	0.03	0.03
2016	OA CA Halibut	ngf.	Other ngf.	Xantus swimming crab	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.50	0.50	0.50	0.50
2016	OA CA Halibut	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA CA Halibut	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.39	9.65	9.65	10.04	10.04
2016	OA FG – H&L	gf.	Big skate	Big skate	0.30	0.63	0.63	0.94	0.94
2016	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	0.53	0.04	0.04	0.57	0.57
2016	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	2.50	0.00	0.00	2.50	2.50
2016	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.03	0.00	0.00	0.03	0.03
2016	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.11	0.00	0.00	0.11	0.11
2016	OA FG – H&L	gf.	Canary rf.	Canary rf.	0.00	0.55	0.55	0.55	0.55
2016	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.41	0.00	0.00	0.41	0.41
2016	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.59	0.49	0.49	1.08	1.08
2016	OA FG – H&L	gf.	Dover sole	Dover sole	0.04	0.62	0.62	0.66	0.66
2016	OA FG – H&L	gf.	ECS	Black skate	0.00	0.17	0.17	0.17	0.17
2016	OA FG – H&L	gf.	ECS	Deepsea skate	0.00	0.04	0.04	0.04	0.04
2016	OA FG – H&L	gf.	ECS	Giant grenadier	0.00	0.27	0.27	0.27	0.27
2016	OA FG – H&L	gf.	ECS	Grenadier, unid.	0.00	0.05	0.05	0.05	0.05
2016	OA FG – H&L	gf.	ECS	Pacific flatnose	0.00	0.49	0.49	0.49	0.49
2016	OA FG – H&L	gf.	ECS	Pacific grenadier	11.64	19.22	19.22	30.86	30.86
2016	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.25	0.25	0.25	0.25

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA FG – H&L	gf.	ECS	Soupfin shark	0.07	0.00	0.00	0.07	0.07
2016	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	0.77	0.77	0.77	0.77
2016	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	31.32	1.72	0.12	33.05	31.44
2016	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	30.73	0.15	0.01	30.88	30.74
2016	OA FG – H&L	gf.	Longnose skate	Longnose skate	5.81	16.35	8.18	22.16	13.99
2016	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.39	0.39	0.39	0.39
2016	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.24	0.01	0.01	0.25	0.25
2016	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.04	0.03	0.03	0.07	0.07
2016	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.01	0.04	0.04	0.06	0.06
2016	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.01	0.02	0.02	0.03	0.03
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.12	0.00	0.00	0.12	0.12
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.04	0.04	0.04	0.09	0.09
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.03	0.00	0.00	0.03	0.03
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.03	0.02	0.02	0.06	0.06
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.03	0.03	0.04	0.04
2016	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.39	0.39	0.39	0.39
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.26	0.26	0.29	0.29
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.10	0.00	0.00	0.10	0.10
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.08	0.00	0.00	0.08	0.08
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.03	0.00	0.00	0.03	0.03
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.11	0.00	0.00	0.11	0.11
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.93	0.00	0.00	0.93	0.93
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.09	0.00	0.00	0.09	0.09
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.04	0.00	0.00	0.04	0.04

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.42	0.00	0.00	0.42	0.42
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.14	0.00	0.00	0.14	0.14
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.21	0.00	0.00	0.21	0.21
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	13.36	0.00	0.00	13.36	13.36
2016	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.96	0.00	0.00	0.96	0.96
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.04	0.00	0.00	0.04	0.04
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.75	0.82	0.82	2.57	2.57
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.64	2.70	2.70	5.33	5.33
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.09	0.00	0.00	0.09	0.09
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.19	0.19	0.19	0.19
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.06	0.06	0.11	0.11
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.02	0.02
2016	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.31	0.00	0.00	1.31	1.31
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.06	0.00	0.00	0.06	0.06
2016	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.23	0.00	0.00	0.24	0.24
2016	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.28	0.00	0.00	0.28	0.28
2016	OA FG – H&L	gf.	Other flatfish	Rock sole	0.03	0.00	0.00	0.03	0.03
2016	OA FG – H&L	gf.	Other flatfish	Sand sole	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	1.82	0.00	0.00	1.82	1.82
2016	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Other gf.	Leopard shark	0.83	0.00	0.00	0.83	0.83
2016	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.67	0.66	0.66	1.32	1.32
2016	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.07	0.03	0.03	0.10	0.10
2016	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.01	0.01	0.01	0.02	0.02
2016	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.29	0.25	0.25	0.54	0.54
2016	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	159.20	62.61	12.52	221.81	171.72
2016	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	15.98	0.02	0.00	16.00	15.99

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.04	4.42	4.42	4.46	4.46
2016	OA FG – H&L	gf.	SST (S of 34°27')	SST	3.41	0.94	0.94	4.35	4.35
2016	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.38	16.36	8.18	16.74	8.56
2016	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2016	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.41	0.03	0.03	0.43	0.43
2016	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.13	0.13	0.13	0.13
2016	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.08	0.15	0.15	0.23	0.23
2016	OA FG – H&L	ngf.	CA halibut	CA halibut	0.83	0.00	0.00	0.83	0.83
2016	OA FG – H&L	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.06	0.00	0.00	0.06	0.06
2016	OA FG – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.00	3.72	3.72	3.72	3.72
2016	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.07	0.00	0.00	0.07	0.07
2016	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.22	0.22	0.22	0.22
2016	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.11	0.11	0.11	0.11
2016	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.05	0.05	0.05	0.05
2016	OA FG – H&L	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2016	OA FG – H&L	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.12	0.12	0.12	0.12
2016	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.08	0.00	0.00	0.08	0.08
2016	OA FG – H&L	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.18	0.00	0.00	0.18	0.18
2016	OA FG – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.03	0.03	0.03	0.03
2016	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.10	0.00	0.00	0.10	0.10
2016	OA FG – H&L	ngf.	Other ngf.	PHLB	4.57	42.73	2.55	47.30	7.12
2016	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.07	0.00	0.00	0.07	0.07
2016	OA FG – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	2.45	2.45	2.45	2.45
2016	OA FG – H&L	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.03	0.03	0.03	0.03
2016	OA FG – H&L	ngf.	Other ngf.	Shark, unid.	0.07	0.86	0.86	0.93	0.93
2016	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.18	0.09	0.09	0.27	0.27
2016	OA FG – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.03	0.03	0.03	0.03
2016	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.07	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA FG – H&L	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.17	0.00	0.00	0.17	0.17
2016	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.04	0.00	0.00	0.04	0.04
2016	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.15	0.00	0.00	0.15	0.15
2016	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.13	0.13	0.13	0.13
2016	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.23	0.23	0.23	0.23
2016	OA FG – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.01	0.04	0.04	0.05	0.05
2016	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Dover sole	Dover sole	0.05	0.32	0.32	0.36	0.36
2016	OA FG – Pot	gf.	ECS	Grenadier, unid.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – Pot	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2016	OA FG – Pot	gf.	ECS	Pacific grenadier	0.00	0.29	0.29	0.29	0.29
2016	OA FG – Pot	gf.	ECS	Soupfin shark	0.07	0.00	0.00	0.07	0.07
2016	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.65	0.02	0.02	0.67	0.67
2016	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.79	0.06	0.06	0.85	0.85
2016	OA FG – Pot	gf.	Longnose skate	Longnose skate	0.06	0.00	0.00	0.06	0.06
2016	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.01	0.00	0.00	0.01	0.01
2016	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.01	0.00	0.00	0.01	0.01
2016	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2016	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2016	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.05	0.00	0.00	0.05	0.05
2016	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.18	0.11	0.11	0.29	0.29
2016	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.03	0.03	0.03	0.03
2016	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.03	0.03	0.03	0.03
2016	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2016	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.01	0.03	0.03	0.04	0.04
2016	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	197.22	60.13	12.03	257.35	209.24
2016	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	7.46	0.01	0.00	7.47	7.46
2016	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.07	0.03	0.03	0.09	0.09
2016	OA FG – Pot	ngf.	CA halibut	CA halibut	0.02	0.00	0.00	0.02	0.02
2016	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	1.75	0.00	0.00	1.75	1.75
2016	OA FG – Pot	ngf.	Other ngf.	Albacore tuna	0.17	0.00	0.00	0.17	0.17

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – Pot	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.02	0.02	0.02	0.02
2016	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.07	0.07	0.07	0.07
2016	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.02	0.00	0.00	0.02	0.02
2016	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2016	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	1.72	1.72	1.72	1.72
2016	OA FG – Pot	ngf.	Other ngf.	Gorgonian coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	1.02	0.00	0.00	1.02	1.02
2016	OA FG – Pot	ngf.	Other ngf.	Hair crab	0.00	0.42	0.42	0.42	0.42
2016	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.09	0.00	0.00	0.09	0.09
2016	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.18	0.00	0.00	0.18	0.18
2016	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.05	0.01	0.05	0.01
2016	OA FG – Pot	ngf.	Other ngf.	Red rock crab	0.74	0.00	0.00	0.74	0.74
2016	OA FG – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2016	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2016	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2016	OA FG – Pot	ngf.	Other ngf.	Skate, unid.	0.02	0.00	0.00	0.02	0.02
2016	OA FG – Pot	ngf.	Other ngf.	Spiky king crab	0.00	0.02	0.02	0.02	0.02
2016	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.04	0.04	0.04	0.04
2016	OA FG – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2016	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.07	0.07	0.07	0.07
2016	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.03	0.03	0.03	0.03
2016	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	1.37	1.37	1.37	1.37
2016	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.72	0.00	0.00	0.72	0.72
2016	PHLB Derby	gf.	Big skate	Big skate	0.80	0.00	0.00	0.80	0.80
2016	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.03	0.00	0.00	0.03	0.03
2016	PHLB Derby	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2016	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	2.77	0.00	0.00	2.77	2.77
2016	PHLB Derby	gf.	Longnose skate	Longnose skate	3.87	0.00	0.00	3.87	3.87
2016	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.03	0.00	0.00	0.03	0.03
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.04	0.00	0.00	0.04	0.04
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2016	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.42	0.00	0.00	0.42	0.42
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.33	0.00	0.00	0.33	0.33
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.11	0.00	0.00	0.11	0.11
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.14	0.00	0.00	0.14	0.14
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	Pacific cod	Pacific cod	0.24	0.00	0.00	0.24	0.24
2016	PHLB Derby	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2016	PHLB Derby	gf.	Petrale sole	Petrale sole	0.89	0.00	0.00	0.89	0.89
2016	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	39.57	0.00	0.00	39.57	39.57
2016	PHLB Derby	gf.	SST (N of 34°27')	SST	0.10	0.00	0.00	0.10	0.10
2016	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.04	0.00	0.00	0.04	0.04
2016	PHLB Derby	gf.	Widow rf.	Widow rf.	0.01	0.00	0.00	0.01	0.01
2016	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.04	0.00	0.00	0.04	0.04
2016	PHLB Derby	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2016	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.17	0.00	0.00	0.17	0.17
2016	PHLB Derby	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	4.54	4.54	4.54	4.54
2016	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.07	0.07	0.07	0.07
2016	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	6.38	6.38	6.38	6.38
2016	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	3.58	3.58	3.58	3.58
2016	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	ECS	CA skate	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.04	0.04	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.29	0.29	0.29	0.29
2016	Pink Shrimp	gf.	English sole	English sole	0.00	0.56	0.56	0.56	0.56
2016	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.15	0.15	0.15	0.15
2016	Pink Shrimp	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.04	0.04	0.04	0.04
2016	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.90	0.90	0.90	0.90
2016	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.60	0.60	0.60	0.60
2016	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.04	0.04	0.04	0.04
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.36	0.36	0.36	0.36
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.75	0.75	0.75	0.75
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.75	0.75	0.75	0.75
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	1.72	1.72	1.72	1.72
2016	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.06	0.06	0.06	0.06
2016	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	1.10	1.10	1.10	1.10
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.13	0.13	0.13	0.13
2016	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Mixed thornyheads	SST/LST	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	2.26	2.26	2.26	2.26
2016	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	1.53	1.53	1.53	1.53
2016	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	10.03	10.03	10.03	10.03
2016	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	33.88	33.88	33.88	33.88
2016	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Pacific hake	Pacific hake	1.24	523.09	523.09	524.33	524.33
2016	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	0.88	0.88	0.88	0.88
2016	Pink Shrimp	gf.	Roundfish unid	Cod, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.16	0.16	0.16	0.16
2016	Pink Shrimp	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.18	0.18	0.18	0.18
2016	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	2.23	2.23	2.23	2.23
2016	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.06	0.06	0.06	0.06
2016	Pink Shrimp	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.89	0.89	0.89	0.89
2016	Pink Shrimp	gf.	Starry flounder	Starry flounder	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.47	0.47	0.47	0.47
2016	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.48	0.48	0.48	0.48
2016	Pink Shrimp	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	70.14	70.14	70.14	70.14
2016	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.82	0.82	0.82	0.82
2016	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.09	0.09	0.09	0.09
2016	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	2.33	2.33	2.33	2.33
2016	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Basket starfish	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	1.69	1.69	1.69	1.69
2016	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.38	0.38	0.38	0.38
2016	Pink Shrimp	ngf.	Other ngf.	Blackedge poacher	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Bluebarred prickleback	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.08	0.08	0.08	0.08
2016	Pink Shrimp	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Pink Shrimp	ngf.	Other ngf.	CA lizardfish	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Chiton, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Crustacean, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	14.03	14.03	14.03	14.03
2016	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	5.90	5.90	5.90	5.90
2016	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Herring, unid.	0.00	2.02	2.02	2.02	2.02
2016	Pink Shrimp	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.10	0.10	0.10	0.10
2016	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.09	0.09	0.09	0.09
2016	Pink Shrimp	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	13.67	13.67	13.67	13.67
2016	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Lancetfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.07	0.07	0.07	0.07
2016	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Mollusc, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.52	0.52	0.52	0.52
2016	Pink Shrimp	ngf.	Other ngf.	Northern ronquil	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Northern spearnose poacher	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	2.79	2.79	2.79	2.79
2016	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.19	0.19	0.19	0.19
2016	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.07	0.07	0.07	0.07
2016	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.46	0.46	0.46	0.46
2016	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	10.12	10.12	10.12	10.12
2016	Pink Shrimp	ngf.	Other ngf.	Pacific mackerel	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.40	0.40	0.40	0.40

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Pink Shrimp	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.09	0.09	0.09	0.09
2016	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	1.31	1.31	1.31	1.31
2016	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.13	0.13	0.13	0.13
2016	Pink Shrimp	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Ragfish	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Red brotula	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Salp, unid.	0.00	1.41	1.41	1.41	1.41
2016	Pink Shrimp	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.29	1.29	1.29	1.29
2016	Pink Shrimp	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Sea pen/sea pansy, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.31	0.31	0.31	0.31
2016	Pink Shrimp	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.45	0.45	0.45	0.45
2016	Pink Shrimp	ngf.	Other ngf.	Sea whip	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Sharpnose sculpin	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Slim sculpin	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Other ngf.	Solenogastres, unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	0.33	0.33	0.33	0.33
2016	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	0.18	0.18	0.18	0.18
2016	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.05	0.05	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.05	0.05	0.05	0.05
2016	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.01	0.01	0.01	0.01
2016	Pink Shrimp	ngf.	Other shrimp	Spot prawn	0.00	0.08	0.08	0.08	0.08
2016	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	23881.67	0.00	0.00	23881.67	23881.67
2016	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	368.23	368.23	368.23	368.23
2016	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.02	0.02	0.02	0.02
2016	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	5.26	5.26	5.26	5.26
2016	Pink Shrimp	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	4.61	4.61	4.61	4.61
2016	Pink Shrimp	ngf.	Shared ECS	Pacific sandlance	0.00	0.03	0.03	0.03	0.03
2016	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Shared ECS	Smelt, unid.	0.00	0.06	0.06	0.06	0.06
2016	Pink Shrimp	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2016	Pink Shrimp	ngf.	Shared ECS	Whitebait smelt	0.00	1.14	1.14	1.14	1.14
2016	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	12.05	12.05
2016	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	5.50	5.50
2016	Research	gf.	Black rf. (N of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Black rf. (S of 46°16')	Black rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	5.58	5.58
2016	Research	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.04	0.04
2016	Research	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	3.23	3.23
2016	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	10.54	10.54
2016	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.29	0.29
2016	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	8.46	8.46
2016	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	49.21	49.21
2016	Research	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	ECS	Black skate	0.00	0.00	0.00	0.51	0.51
2016	Research	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.08	0.08
2016	Research	gf.	ECS	CA skate	0.00	0.00	0.00	0.29	0.29
2016	Research	gf.	ECS	Deepsea skate	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	ECS	Giant grenadier	0.00	0.00	0.00	2.44	2.44
2016	Research	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.12	0.12
2016	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.30	0.30
2016	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	6.22	6.22
2016	Research	gf.	ECS	Roughshoulder/broad skate	0.00	0.00	0.00	0.51	0.51

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	1.10	1.10
2016	Research	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.55	0.55
2016	Research	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	4.46	4.46
2016	Research	gf.	English sole	English sole	0.00	0.00	0.00	8.01	8.01
2016	Research	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	16.60	16.60
2016	Research	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	3.20	3.20
2016	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	12.47	12.47
2016	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	13.23	13.23
2016	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	1.20	1.20
2016	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.16	0.16
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.04	0.04
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.34	0.34
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.05	0.05
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.09	0.09
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.12	0.12
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	1.29	1.29
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.08	0.08
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	10.09	10.09
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.99	0.99
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.46	0.46
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	2.14	2.14
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.07	0.07
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.06	0.06
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.75	0.75
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.06	0.06
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.63	0.63
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.04	0.04
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.11	0.11
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.39	0.39
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.07	0.07
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.09	0.09
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	2.96	2.96
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.14	0.14
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Tiger rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	3.07	3.07
2016	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.14	0.14
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.26	0.26
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.21	0.21
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.12	0.12
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.37	0.37
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.90	0.90
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.07	0.07
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	8.46	8.46
2016	Research	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.11	0.11
2016	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.43	0.43
2016	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.38	0.38
2016	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.25	0.25
2016	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.30	0.30
2016	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2016	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.71	0.71
2016	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	7.38	7.38
2016	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	14.15	14.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.11	0.11
2016	Research	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.02	0.02
2016	Research	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2016	Research	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.03	0.03
2016	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.75	0.75
2016	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	654.31	654.31
2016	Research	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	3.10	3.10
2016	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	24.14	24.14
2016	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	21.65	21.65
2016	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	0.85	0.85
2016	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	2.16	2.16
2016	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	7.01	7.01
2016	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.43	0.43
2016	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	11.73	11.73
2016	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	3.86	3.86
2016	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.05	0.05
2016	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	17.27	17.27
2016	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.89	0.89
2016	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	20.55	20.55
2016	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.13	0.13
2016	Research	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.68	0.68
2016	Research	ngf.	Other ngf.	Argentine, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Bay pipefish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.03	0.03
2016	Research	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Blackdragon, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	1.57	1.57
2016	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	CA sheephead	0.00	0.00	0.00	0.03	0.03
2016	Research	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Dreamer, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Research	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	1.07	1.07
2016	Research	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.05	0.05
2016	Research	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.15	0.15
2016	Research	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Northern pearleye	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.17	0.17
2016	Research	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pacific bonito	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pacific electric ray	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.30	0.30
2016	Research	ngf.	Other ngf.	Pacific lamprey	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Pink shrimp	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Ragfish	0.00	0.00	0.00	0.03	0.03
2016	Research	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.38	0.38
2016	Research	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	0.18	0.18
2016	Research	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.14	0.14
2016	Research	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.03	0.03
2016	Research	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Shared ECS	Arrow squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Barracudina/daggertooth, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Blacksmelt, unid.	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Shared ECS	Boreal clubhook squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Brokenline lampfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	CA headlightfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	CA smoothtongue	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Clawed armhook squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Cone squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Shared ECS	Duckbill barracudina	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Glass squid, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Gonatopsis, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Gonatus, unid.	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Jewel squid	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.25	0.25
2016	Research	ngf.	Shared ECS	Long-armed jewel squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Magistrate armhook squid	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Shared ECS	North Pacific armhook squid	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Northern lampfish	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Northern smoothtongue	0.00	0.00	0.00	0.01	0.01
2016	Research	ngf.	Shared ECS	Octopus squid	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Shared ECS	Pacific blacksmelt	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Robust blacksmelt	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Robust clubhook squid	0.00	0.00	0.00	0.15	0.15
2016	Research	ngf.	Shared ECS	Sand lance	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Sandpaper squid	0.00	0.00	0.00	0.02	0.02
2016	Research	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2016	Research	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2016	RBPT	gf.	Cabezon (CA)	Cabezon	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.07	0.00	0.00	0.07	0.07
2016	RBPT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Dover sole	Dover sole	0.65	0.00	0.00	0.65	0.65
2016	RBPT	gf.	ECS	Soupfin shark	0.01	0.00	0.00	0.01	0.01
2016	RBPT	gf.	English sole	English sole	0.83	0.00	0.00	0.83	0.83
2016	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.03	0.00	0.00	0.03	0.03
2016	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.03	0.00	0.00	0.03	0.03
2016	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Other flatfish	Flatfish, unid.	7.65	0.00	0.00	7.65	7.65
2016	RBPT	gf.	Other flatfish	Pacific sanddab	0.03	0.00	0.00	0.03	0.03
2016	RBPT	gf.	Other flatfish	Rex sole	2.34	0.00	0.00	2.34	2.34
2016	RBPT	gf.	Other flatfish	Rock sole	0.08	0.00	0.00	0.08	0.08
2016	RBPT	gf.	Other flatfish	Sanddab, unid.	1.06	0.00	0.00	1.06	1.06
2016	RBPT	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2016	RBPT	gf.	Petrale sole	Petrale sole	0.26	0.00	0.00	0.26	0.26
2016	RBPT	gf.	Sablefish (S of 36°)	Sablefish	0.06	0.00	0.00	0.06	0.06
2016	RBPT	ngf.	CA halibut	CA halibut	1.22	0.00	0.00	1.22	1.22
2016	RBPT	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Non-FMP flatfish	Fantail sole	0.14	0.00	0.00	0.14	0.14
2016	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Other ngf.	Bait shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Other ngf.	Bat ray	0.05	0.00	0.00	0.05	0.05
2016	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.23	0.00	0.00	0.23	0.23
2016	RBPT	ngf.	Other ngf.	CA barracuda	0.03	0.00	0.00	0.03	0.03
2016	RBPT	ngf.	Other ngf.	Crab, unid.	1.29	0.00	0.00	1.29	1.29
2016	RBPT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Other ngf.	King crab, unid.	0.07	0.00	0.00	0.07	0.07
2016	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.04	0.00	0.00	0.04	0.04
2016	RBPT	ngf.	Other ngf.	Market squid	0.81	0.00	0.00	0.81	0.81
2016	RBPT	ngf.	Other ngf.	Mixed species	8.71	0.00	0.00	8.71	8.71
2016	RBPT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Other ngf.	Octopus, unid.	0.02	0.00	0.00	0.02	0.02
2016	RBPT	ngf.	Other ngf.	Pacific angel shark	0.34	0.00	0.00	0.34	0.34
2016	RBPT	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2016	RBPT	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2016	RBPT	ngf.	Other ngf.	Pink shrimp	0.03	0.00	0.00	0.03	0.03
2016	RBPT	ngf.	Other ngf.	Red rock crab	2.44	0.00	0.00	2.44	2.44

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	RBPT	ngf.	Other ngf.	Ridgeback prawn	206.95	0.00	0.00	206.95	206.95
2016	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.11	0.00	0.00	0.11	0.11
2016	RBPT	ngf.	Other ngf.	Shark, unid.	0.06	0.00	0.00	0.06	0.06
2016	RBPT	ngf.	Other ngf.	Shrimp, unid.	0.01	0.00	0.00	0.01	0.01
2016	RBPT	ngf.	Other ngf.	Skate, unid.	1.58	0.00	0.00	1.58	1.58
2016	RBPT	ngf.	Other ngf.	Spot prawn	0.25	0.00	0.00	0.25	0.25
2016	RBPT	ngf.	Other ngf.	White croaker	7.40	0.00	0.00	7.40	7.40
2016	RBPT	ngf.	Other ngf.	White sea bass	0.05	0.00	0.00	0.05	0.05
2016	SCT	gf.	English sole	English sole	0.10	0.00	0.00	0.10	0.10
2016	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	0.00	0.00
2016	SCT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.03	0.00	0.00	0.03	0.03
2016	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.02	0.00	0.00	0.02	0.02
2016	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2016	SCT	gf.	Other flatfish	Flatfish, unid.	0.14	0.00	0.00	0.14	0.14
2016	SCT	gf.	Other flatfish	Pacific sanddab	0.05	0.00	0.00	0.05	0.05
2016	SCT	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2016	SCT	gf.	Other gf.	Leopard shark	0.01	0.00	0.00	0.01	0.01
2016	SCT	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	CA halibut	CA halibut	0.04	0.00	0.00	0.04	0.04
2016	SCT	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2016	SCT	ngf.	Non-FMP flatfish	Fantail sole	0.10	0.00	0.00	0.10	0.10
2016	SCT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.00	0.00	0.00	0.00
2016	SCT	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2016	SCT	ngf.	Other ngf.	Mixed species	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2016	SCT	ngf.	Other ngf.	Pink shrimp	0.09	0.00	0.00	0.09	0.09
2016	SCT	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	Other ngf.	Red rock crab	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	Other ngf.	Ridgeback prawn	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	Other ngf.	Sea cucumber, unid.	29.55	0.00	0.00	29.55	29.55
2016	SCT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2016	SCT	ngf.	Other ngf.	Shrimp, unid.	1.15	0.00	0.00	1.15	1.15
2016	SCT	ngf.	Other ngf.	Skate, unid.	0.45	0.00	0.00	0.45	0.45
2016	SCT	ngf.	Other ngf.	Spot prawn	0.01	0.00	0.00	0.01	0.01
2016	SCT	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	1.01	0.00	0.00	1.01	1.01
2016	Tribal Shoreside	gf.	Big skate	Big skate	0.05	0.00	0.00	0.05	0.05
2016	Tribal Shoreside	gf.	Black rf. (WA)	Black rf.	0.11	0.00	0.00	0.11	0.11
2016	Tribal Shoreside	gf.	Canary rf.	Canary rf.	5.16	0.00	0.00	5.16	5.16

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.85	0.00	0.00	0.85	0.85
2016	Tribal Shoreside	gf.	Dover sole	Dover sole	139.52	0.00	0.00	139.52	139.52
2016	Tribal Shoreside	gf.	English sole	English sole	84.47	0.00	0.00	84.47	84.47
2016	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	50.25	0.00	0.00	50.25	50.25
2016	Tribal Shoreside	gf.	Longnose skate	Longnose skate	10.66	0.00	0.00	10.66	10.66
2016	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.35	0.00	0.00	0.35	0.35
2016	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.06	0.00	0.00	0.06	0.06
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.02	0.00	0.00	0.02	0.02
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.04	0.00	0.00	0.04	0.04
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.46	0.00	0.00	0.46	0.46
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	5.51	0.00	0.00	5.51	5.51
2016	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.05	0.00	0.00	0.05	0.05
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.01	0.00	0.00	0.01	0.01
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.06	0.00	0.00	0.06	0.06
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	9.55	0.00	0.00	9.55	9.55
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	19.99	0.00	0.00	19.99	19.99
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.53	0.00	0.00	0.53	0.53
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.05	0.00	0.00	0.05	0.05
2016	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.03	0.00	0.00	0.03	0.03
2016	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	22.21	0.00	0.00	22.21	22.21
2016	Tribal Shoreside	gf.	Other flatfish	Rex sole	81.03	0.00	0.00	81.03	81.03
2016	Tribal Shoreside	gf.	Other flatfish	Rock sole	7.82	0.00	0.00	7.82	7.82
2016	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.14	0.00	0.00	0.14	0.14
2016	Tribal Shoreside	gf.	Pacific cod	Pacific cod	187.25	0.00	0.00	187.25	187.25
2016	Tribal Shoreside	gf.	Pacific hake	Pacific hake	2259.81	0.00	0.00	2259.81	2259.81
2016	Tribal Shoreside	gf.	POP (N of 40°10')	POP	0.21	0.00	0.00	0.21	0.21
2016	Tribal Shoreside	gf.	Petrale sole	Petrale sole	220.40	0.00	0.00	220.40	220.40
2016	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	577.41	0.00	0.00	577.41	577.41
2016	Tribal Shoreside	gf.	SST (N of 34°27')	SST	34.21	0.00	0.00	34.21	34.21
2016	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	16.98	0.00	0.00	16.98	16.98
2016	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	gf.	Widow rf.	Widow rf.	14.35	0.00	0.00	14.35	14.35
2016	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.21	0.00	0.00	0.21	0.21
2016	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	244.52	0.00	0.00	244.52	244.52

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2016	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1275.51	0.00	0.00	1275.51	1275.51
2016	Tribal Shoreside	ngf.	Other ngf.	Albacore tuna	0.90	0.00	0.00	0.90	0.90
2016	Tribal Shoreside	ngf.	Other ngf.	American shad	0.28	0.00	0.00	0.28	0.28
2016	Tribal Shoreside	ngf.	Other ngf.	Basket cockle	3.23	0.00	0.00	3.23	3.23
2016	Tribal Shoreside	ngf.	Other ngf.	Geoduck	0.15	0.00	0.00	0.15	0.15
2016	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	0.50	0.00	0.00	0.50	0.50
2016	Tribal Shoreside	ngf.	Other ngf.	Manila clam	16.99	0.00	0.00	16.99	16.99
2016	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.16	0.00	0.00	0.16	0.16
2016	Tribal Shoreside	ngf.	Other ngf.	Native littleneck clam	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	ngf.	Other ngf.	Northern anchovy	112.18	0.00	0.00	112.18	112.18
2016	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.37	0.00	0.00	0.37	0.37
2016	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	19.54	0.00	0.00	19.54	19.54
2016	Tribal Shoreside	ngf.	Other ngf.	Pacific mackerel	21.17	0.00	0.00	21.17	21.17
2016	Tribal Shoreside	ngf.	Other ngf.	Pacific oyster	3.98	0.00	0.00	3.98	3.98
2016	Tribal Shoreside	ngf.	Other ngf.	Pacific sardine	85.23	0.00	0.00	85.23	85.23
2016	Tribal Shoreside	ngf.	Other ngf.	Sculpin, unid.	0.01	0.00	0.00	0.01	0.01
2016	Tribal Shoreside	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2016	Tribal Shoreside	ngf.	Other ngf.	Shrimp, unid.	0.06	0.00	0.00	0.06	0.06
2016	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	149.72	0.00	0.00	149.72	149.72
2016	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.05	0.00	0.00	0.05	0.05
2016	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	12.34	0.00	0.00	12.34	12.34
2017	A-S Hake CP	gf.	Arrowtooth flounder	Arrowtooth flounder	10.06	3.79	3.79	13.86	13.86
2017	A-S Hake CP	gf.	Big skate	Big skate	0.56	1.58	1.58	2.14	2.14
2017	A-S Hake CP	gf.	Canary rf.	Canary rf.	1.10	0.96	0.96	2.06	2.06
2017	A-S Hake CP	gf.	Darkblotched rf.	Darkblotched rf.	25.26	6.75	6.75	32.00	32.00
2017	A-S Hake CP	gf.	Dover sole	Dover sole	0.33	0.04	0.04	0.36	0.36
2017	A-S Hake CP	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	ECS	CA skate	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	ECS	Grenadier, unid.	0.78	0.23	0.23	1.01	1.01
2017	A-S Hake CP	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	ECS	Soupfin shark	0.09	0.89	0.89	0.97	0.97
2017	A-S Hake CP	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	English sole	English sole	0.03	0.01	0.01	0.04	0.04
2017	A-S Hake CP	gf.	Lingcod (N of 40°10')	Lingcod	0.08	0.05	0.05	0.13	0.13
2017	A-S Hake CP	gf.	Longnose skate	Longnose skate	0.12	0.33	0.33	0.45	0.45
2017	A-S Hake CP	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.17	0.20	0.20	0.38	0.38
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.65	0.64	0.64	1.29	1.29

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.01	0.01
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.24	0.53	0.53	0.77	0.77
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.35	0.42	0.42	0.77	0.77
2017	A-S Hake CP	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.04	0.02	0.02	0.05	0.05
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.03	0.03
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	22.11	11.77	11.77	33.87	33.87
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.02	0.01	0.01	0.03	0.03
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.01	0.01	0.03	0.03
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	49.62	12.93	12.93	62.55	62.55
2017	A-S Hake CP	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.37	0.01	0.01	0.38	0.38
2017	A-S Hake CP	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Other flatfish	Rex sole	5.54	1.80	1.80	7.34	7.34
2017	A-S Hake CP	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake CP	gf.	Pacific hake	Pacific hake	137104.45	25.26	25.26	137129.71	137129.71
2017	A-S Hake CP	gf.	POP (N of 40°10')	POP	15.17	5.16	5.16	20.33	20.33
2017	A-S Hake CP	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	gf.	Roundfish unid	Roundfish, unid.	0.28	0.31	0.31	0.59	0.59
2017	A-S Hake CP	gf.	Sablefish (N of 36°)	Sablefish	33.87	33.61	33.61	67.48	67.48
2017	A-S Hake CP	gf.	Shortbelly rf.	Shortbelly rf.	132.75	8.06	8.06	140.81	140.81
2017	A-S Hake CP	gf.	SST (N of 34°27')	SST	19.80	4.99	4.99	24.79	24.79
2017	A-S Hake CP	gf.	Spiny dogfish	Spiny dogfish shark	97.60	10.59	10.59	108.19	108.19
2017	A-S Hake CP	gf.	Widow rf.	Widow rf.	296.02	113.86	113.86	409.88	409.88
2017	A-S Hake CP	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	96.24	33.98	33.98	130.22	130.22
2017	A-S Hake CP	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	American shad	24.79	9.33	9.33	34.13	34.13
2017	A-S Hake CP	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Bering sea codling	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Blue shark	0.05	1.24	1.24	1.30	1.30
2017	A-S Hake CP	ngf.	Other ngf.	Brown cat shark	12.86	5.59	5.59	18.46	18.46
2017	A-S Hake CP	ngf.	Other ngf.	Common thresher shark	0.00	1.70	1.70	1.70	1.70
2017	A-S Hake CP	ngf.	Other ngf.	Cutlassfish, unid.	0.01	0.01	0.01	0.02	0.02
2017	A-S Hake CP	ngf.	Other ngf.	Dragonfish, unid.	0.03	0.02	0.02	0.05	0.05

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	A-S Hake CP	ngf.	Other ngf.	Eelpout, unid.	0.01	0.01	0.01	0.03	0.03
2017	A-S Hake CP	ngf.	Other ngf.	Fish, unid.	0.19	0.01	0.01	0.20	0.20
2017	A-S Hake CP	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Jack mackerel	265.89	148.56	148.56	414.44	414.44
2017	A-S Hake CP	ngf.	Other ngf.	Jellyfish, unid.	0.01	1.93	1.93	1.94	1.94
2017	A-S Hake CP	ngf.	Other ngf.	King of the salmon	17.35	10.34	10.34	27.70	27.70
2017	A-S Hake CP	ngf.	Other ngf.	Lamprey, unid.	0.05	0.04	0.04	0.09	0.09
2017	A-S Hake CP	ngf.	Other ngf.	Lancetfish	0.08	0.04	0.04	0.12	0.12
2017	A-S Hake CP	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.02	0.02	0.03	0.03
2017	A-S Hake CP	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Medusafish	5.71	2.89	2.89	8.60	8.60
2017	A-S Hake CP	ngf.	Other ngf.	Mixed species	0.00	0.07	0.07	0.08	0.08
2017	A-S Hake CP	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.47	0.47	0.47	0.47
2017	A-S Hake CP	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Octopus, unid.	0.03	0.02	0.02	0.05	0.05
2017	A-S Hake CP	ngf.	Other ngf.	Opah	0.09	0.00	0.00	0.09	0.09
2017	A-S Hake CP	ngf.	Other ngf.	Oreo	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Pacific electric ray	0.03	0.11	0.11	0.14	0.14
2017	A-S Hake CP	ngf.	Other ngf.	PHLB	0.00	0.26	0.26	0.26	0.26
2017	A-S Hake CP	ngf.	Other ngf.	Pacific herring	0.17	0.72	0.72	0.89	0.89
2017	A-S Hake CP	ngf.	Other ngf.	Pacific lamprey	0.01	0.03	0.03	0.04	0.04
2017	A-S Hake CP	ngf.	Other ngf.	Pacific mackerel	30.21	65.36	65.36	95.57	95.57
2017	A-S Hake CP	ngf.	Other ngf.	Pacific pomfret	0.29	0.20	0.20	0.49	0.49
2017	A-S Hake CP	ngf.	Other ngf.	Pacific sardine	0.09	1.64	1.64	1.73	1.73
2017	A-S Hake CP	ngf.	Other ngf.	Pacific sleeper shark	0.70	2.36	2.36	3.05	3.05
2017	A-S Hake CP	ngf.	Other ngf.	Paperbone, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Pearleye, unid.	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake CP	ngf.	Other ngf.	Pelecypoda	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Ragfish	5.31	9.69	9.69	15.00	15.00
2017	A-S Hake CP	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.01	0.01	0.01	0.01
2017	A-S Hake CP	ngf.	Other ngf.	Rough pomfret	0.21	0.06	0.06	0.27	0.27
2017	A-S Hake CP	ngf.	Other ngf.	Salmon shark	0.20	8.64	8.64	8.85	8.85
2017	A-S Hake CP	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Sea devil, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Sea pen/sea whip, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Sea squirt, unid.	1.78	7.35	7.35	9.13	9.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	A-S Hake CP	ngf.	Other ngf.	Shark, unid.	0.01	0.26	0.26	0.27	0.27
2017	A-S Hake CP	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Silver spinyfin	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Snail, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Snipe eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Spookfish, unid.	0.06	0.05	0.05	0.11	0.11
2017	A-S Hake CP	ngf.	Other ngf.	Squid, unid.	63.11	107.76	107.76	170.87	170.87
2017	A-S Hake CP	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Other ngf.	Tubeshoulder, unid.	0.02	0.01	0.01	0.03	0.03
2017	A-S Hake CP	ngf.	Other ngf.	Viperfish, unid.	0.01	0.02	0.02	0.03	0.03
2017	A-S Hake CP	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.01	0.01
2017	A-S Hake CP	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.01	0.01	0.01	0.01
2017	A-S Hake CP	ngf.	Shared ECS	Blacksmelt, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Shared ECS	Deepsea smelt, unid.	0.03	0.01	0.01	0.04	0.04
2017	A-S Hake CP	ngf.	Shared ECS	Duckbill barracudina	0.32	0.37	0.37	0.69	0.69
2017	A-S Hake CP	ngf.	Shared ECS	Lanternfish, unid.	0.27	0.20	0.20	0.47	0.47
2017	A-S Hake CP	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake CP	ngf.	Shared ECS	White barracudina	0.00	0.01	0.01	0.02	0.02
2017	A-S Hake MSCV	gf.	Arrowtooth flounder	Arrowtooth flounder	3.53	0.12	0.12	3.65	3.65
2017	A-S Hake MSCV	gf.	Big skate	Big skate	0.07	0.57	0.57	0.64	0.64
2017	A-S Hake MSCV	gf.	Canary rf.	Canary rf.	4.29	0.21	0.21	4.50	4.50
2017	A-S Hake MSCV	gf.	Darkblotched rf.	Darkblotched rf.	4.47	3.17	3.17	7.64	7.64
2017	A-S Hake MSCV	gf.	Dover sole	Dover sole	0.10	0.00	0.00	0.11	0.11
2017	A-S Hake MSCV	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	ECS	CA skate	0.00	0.02	0.02	0.02	0.02
2017	A-S Hake MSCV	gf.	ECS	Grenadier, unid.	0.00	0.09	0.09	0.09	0.09
2017	A-S Hake MSCV	gf.	ECS	Soupfin shark	0.17	0.74	0.74	0.91	0.91
2017	A-S Hake MSCV	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	gf.	Lingcod (N of 40°10')	Lingcod	0.80	0.05	0.05	0.85	0.85
2017	A-S Hake MSCV	gf.	Longnose skate	Longnose skate	0.02	0.50	0.50	0.52	0.52
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.32	0.03	0.03	0.35	0.35
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	11.19	0.13	0.13	11.32	11.32
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.17	0.03	0.03	0.20	0.20
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.25	0.16	0.16	0.41	0.41

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	A-S Hake MSCV	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.02	0.02	0.03	0.03
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.64	0.63	0.63	4.27	4.27
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	18.40	4.27	4.27	22.67	22.67
2017	A-S Hake MSCV	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Other flatfish	Flathead sole	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Other flatfish	Rex sole	1.05	0.07	0.07	1.12	1.12
2017	A-S Hake MSCV	gf.	Pacific cod	Pacific cod	0.18	0.00	0.00	0.18	0.18
2017	A-S Hake MSCV	gf.	Pacific hake	Pacific hake	65358.46	898.57	898.57	66257.03	66257.03
2017	A-S Hake MSCV	gf.	POP (N of 40°10')	POP	5.42	0.51	0.51	5.93	5.93
2017	A-S Hake MSCV	gf.	Sablefish (N of 36°)	Sablefish	69.35	16.43	16.43	85.79	85.79
2017	A-S Hake MSCV	gf.	Shortbelly rf.	Shortbelly rf.	17.23	10.50	10.50	27.73	27.73
2017	A-S Hake MSCV	gf.	SST (N of 34°27')	SST	1.63	1.54	1.54	3.18	3.18
2017	A-S Hake MSCV	gf.	Spiny dogfish	Spiny dogfish shark	6.75	24.96	24.96	31.70	31.70
2017	A-S Hake MSCV	gf.	Widow rf.	Widow rf.	51.44	14.66	14.66	66.11	66.11
2017	A-S Hake MSCV	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	110.03	37.89	37.89	147.93	147.93
2017	A-S Hake MSCV	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	American shad	17.00	5.73	5.73	22.74	22.74
2017	A-S Hake MSCV	ngf.	Other ngf.	Blue shark	0.00	0.71	0.71	0.71	0.71
2017	A-S Hake MSCV	ngf.	Other ngf.	Brown cat shark	3.71	13.72	13.72	17.44	17.44
2017	A-S Hake MSCV	ngf.	Other ngf.	Common thresher shark	0.00	0.74	0.74	0.74	0.74
2017	A-S Hake MSCV	ngf.	Other ngf.	Cutlassfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Dragonfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Jack mackerel	25.91	87.62	87.62	113.53	113.53
2017	A-S Hake MSCV	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.69	0.69	0.69	0.69
2017	A-S Hake MSCV	ngf.	Other ngf.	King of the salmon	0.30	4.66	4.66	4.96	4.96
2017	A-S Hake MSCV	ngf.	Other ngf.	Lamprey, unid.	0.04	0.04	0.04	0.08	0.08
2017	A-S Hake MSCV	ngf.	Other ngf.	Lancetfish	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	A-S Hake MSCV	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Medusafish	0.07	0.22	0.22	0.29	0.29
2017	A-S Hake MSCV	ngf.	Other ngf.	Mixed species	0.00	0.11	0.11	0.11	0.11
2017	A-S Hake MSCV	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.50	0.50	0.51	0.51
2017	A-S Hake MSCV	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Octopus, unid.	0.00	0.04	0.04	0.04	0.04
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific electric ray	0.00	0.03	0.03	0.03	0.03
2017	A-S Hake MSCV	ngf.	Other ngf.	PHLB	0.00	0.29	0.29	0.29	0.29
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific herring	0.08	5.19	5.19	5.27	5.27
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific lamprey	0.04	0.00	0.00	0.04	0.04
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific mackerel	2.29	11.39	11.39	13.68	13.68
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific pomfret	0.01	0.00	0.00	0.01	0.01
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific sardine	0.02	0.42	0.42	0.44	0.44
2017	A-S Hake MSCV	ngf.	Other ngf.	Pacific sleeper shark	0.15	1.02	1.02	1.17	1.17
2017	A-S Hake MSCV	ngf.	Other ngf.	Pearleye, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Ragfish	0.08	1.00	1.00	1.08	1.08
2017	A-S Hake MSCV	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.04	0.04	0.04	0.04
2017	A-S Hake MSCV	ngf.	Other ngf.	Rough pomfret	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Salmon shark	0.09	1.41	1.41	1.50	1.50
2017	A-S Hake MSCV	ngf.	Other ngf.	Sea squirt, unid.	0.10	6.35	6.35	6.45	6.45
2017	A-S Hake MSCV	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Skate egg case, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Smalleye squaretail	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Snailfish, unid.	0.00	0.03	0.03	0.03	0.03
2017	A-S Hake MSCV	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Squid, unid.	7.84	20.40	20.40	28.24	28.24
2017	A-S Hake MSCV	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Other ngf.	Walleye pollock	11.82	0.12	0.12	11.94	11.94
2017	A-S Hake MSCV	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Shared ECS	Duckbill barracudina	0.00	0.02	0.02	0.02	0.02
2017	A-S Hake MSCV	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	A-S Hake MSCV	ngf.	Shared ECS	White barracudina	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	972.87	318.36	318.36	1291.24	1291.24
2017	CS – BT	gf.	Big skate	Big skate	199.28	33.86	16.93	233.14	216.21
2017	CS – BT	gf.	Black rf. (OR)	Black rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Black rf. (WA)	Black rf.	0.23	0.00	0.00	0.23	0.23
2017	CS – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	51.07	0.04	0.04	51.10	51.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	gf.	Canary rf.	Canary rf.	132.33	0.10	0.10	132.43	132.43
2017	CS – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	79.43	3.14	3.14	82.57	82.57
2017	CS – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.08	0.00	0.00	0.08	0.08
2017	CS – BT	gf.	Darkblotched rf.	Darkblotched rf.	143.05	2.84	2.84	145.89	145.89
2017	CS – BT	gf.	Dover sole	Dover sole	6304.25	54.12	54.12	6358.37	6358.37
2017	CS – BT	gf.	ECS	Aleutian skate	0.00	0.63	0.63	0.63	0.63
2017	CS – BT	gf.	ECS	Black skate	0.00	8.25	8.25	8.25	8.25
2017	CS – BT	gf.	ECS	CA grenadier	0.00	0.04	0.04	0.04	0.04
2017	CS – BT	gf.	ECS	CA skate	0.39	0.26	0.26	0.65	0.65
2017	CS – BT	gf.	ECS	Deepsea skate	0.00	0.07	0.07	0.07	0.07
2017	CS – BT	gf.	ECS	Giant grenadier	0.00	31.01	31.01	31.01	31.01
2017	CS – BT	gf.	ECS	Grenadier, unid.	8.13	2.97	2.97	11.10	11.10
2017	CS – BT	gf.	ECS	Pacific flatnose	0.00	0.26	0.26	0.26	0.26
2017	CS – BT	gf.	ECS	Pacific grenadier	0.20	14.98	14.98	15.18	15.18
2017	CS – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	ECS	Sandpaper skate	0.00	47.02	47.02	47.02	47.02
2017	CS – BT	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	ECS	Soupfin shark	0.68	0.18	0.18	0.87	0.87
2017	CS – BT	gf.	ECS	Spotted ratfish	1.05	74.17	74.17	75.22	75.22
2017	CS – BT	gf.	English sole	English sole	190.48	30.59	30.59	221.08	221.08
2017	CS – BT	gf.	Lingcod (N of 40°10')	Lingcod	577.26	25.31	12.66	602.57	589.91
2017	CS – BT	gf.	Lingcod (S of 40°10')	Lingcod	8.15	0.76	0.38	8.91	8.53
2017	CS – BT	gf.	Longnose skate	Longnose skate	637.61	87.32	43.66	724.93	681.27
2017	CS – BT	gf.	LST (N of 34°27')	LST	573.72	4.81	4.81	578.53	578.53
2017	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.06	0.00	0.00	0.06	0.06
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	19.82	0.16	0.16	19.99	19.99
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	18.34	4.58	4.58	22.92	22.92
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.09	0.03	0.03	0.12	0.12
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	19.85	24.92	24.92	44.78	44.78
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.40	0.02	0.02	0.42	0.42

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	2.95	0.35	0.35	3.30	3.30
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	24.45	0.08	0.08	24.54	24.54
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	1.19	0.00	0.00	1.19	1.19
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Starry rf.	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	3.27	18.91	18.91	22.18	22.18
2017	CS – BT	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.01	0.01
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.19	0.00	0.00	0.20	0.20
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.37	0.07	0.07	0.44	0.44
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.02	0.00	0.00	0.03	0.03
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.06	0.00	0.00	0.06	0.06
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.55	0.55	0.56	0.56
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	20.23	3.71	3.71	23.94	23.94
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	2.34	0.00	0.00	2.34	2.34
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	4.55	0.00	0.00	4.55	4.55
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	5.19	0.27	0.27	5.46	5.46
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	24.51	0.00	0.00	24.51	24.51
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	4.09	0.06	0.06	4.15	4.15
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	8.11	0.00	0.00	8.11	8.11
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	1.03	0.47	0.47	1.50	1.50
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	15.40	6.33	6.33	21.73	21.73
2017	CS – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.37	0.00	0.00	2.37	2.37
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	1.99	2.09	2.09	4.08	4.08
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	28.40	0.03	0.03	28.43	28.43
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	11.88	0.15	0.15	12.03	12.03
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.29	0.04	0.04	0.34	0.34
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2017	CS – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.16	0.16	0.16	0.16
2017	CS – BT	gf.	Other flatfish	Butter sole	0.00	0.03	0.03	0.03	0.03

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	gf.	Other flatfish	Curlfin sole	0.47	0.07	0.07	0.55	0.55
2017	CS – BT	gf.	Other flatfish	Flatfish, unid.	2.91	0.03	0.03	2.93	2.93
2017	CS – BT	gf.	Other flatfish	Flathead sole	18.99	21.76	21.76	40.75	40.75
2017	CS – BT	gf.	Other flatfish	Pacific sanddab	42.18	50.52	50.52	92.70	92.70
2017	CS – BT	gf.	Other flatfish	Rex sole	435.64	84.96	84.96	520.61	520.61
2017	CS – BT	gf.	Other flatfish	Rock sole	1.13	0.22	0.22	1.35	1.35
2017	CS – BT	gf.	Other flatfish	Sand sole	4.82	0.49	0.49	5.31	5.31
2017	CS – BT	gf.	Other flatfish	Sanddab, unid.	3.23	0.11	0.11	3.34	3.34
2017	CS – BT	gf.	Other gf.	Kelp greenling (OR)	0.01	0.02	0.02	0.02	0.02
2017	CS – BT	gf.	Other gf.	Kelp greenling (WA)	0.02	0.09	0.09	0.10	0.10
2017	CS – BT	gf.	Other rf.	Rockfish, unid.	0.08	0.00	0.00	0.08	0.08
2017	CS – BT	gf.	Pacific cod	Pacific cod	41.53	0.15	0.15	41.68	41.68
2017	CS – BT	gf.	Pacific hake	Pacific hake	30.06	302.30	302.30	332.36	332.36
2017	CS – BT	gf.	POP (N of 40°10')	POP	45.86	0.58	0.58	46.44	46.44
2017	CS – BT	gf.	Petrale sole	Petrale sole	2466.46	13.28	13.28	2479.74	2479.74
2017	CS – BT	gf.	Sablefish (N of 36°)	Sablefish	1299.51	42.70	21.35	1342.22	1320.87
2017	CS – BT	gf.	Sablefish (S of 36°)	Sablefish	0.71	0.09	0.05	0.80	0.75
2017	CS – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.02	0.11	0.11	0.13	0.13
2017	CS – BT	gf.	SST (N of 34°27')	SST	646.53	4.29	4.29	650.82	650.82
2017	CS – BT	gf.	Spiny dogfish	Spiny dogfish shark	2.70	141.27	141.27	143.97	143.97
2017	CS – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	7.67	2.48	2.48	10.15	10.15
2017	CS – BT	gf.	Starry flounder	Starry flounder	6.53	0.34	0.34	6.87	6.87
2017	CS – BT	gf.	Widow rf.	Widow rf.	32.19	0.28	0.28	32.47	32.47
2017	CS – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.13	0.01	0.01	0.13	0.13
2017	CS – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	199.22	0.52	0.52	199.73	199.73
2017	CS – BT	ngf.	Dungeness crab	Dungeness crab	0.02	169.02	169.02	169.04	169.04
2017	CS – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.01	5.37	5.37	5.38	5.38
2017	CS – BT	ngf.	Non-FMP flatfish	Greenland turbot	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Non-FMP flatfish	Slender sole	0.00	61.32	61.32	61.32	61.32
2017	CS – BT	ngf.	Other ngf.	American shad	0.03	2.60	2.60	2.63	2.63
2017	CS – BT	ngf.	Other ngf.	Anchovy, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Anemone, unid.	0.00	14.66	14.66	14.66	14.66
2017	CS – BT	ngf.	Other ngf.	*Anthoptilum grandiflorum*	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Bairdi Tanner crab	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Bearded eelpout	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Bigeye starsnout poacher	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	2.92	2.92	2.92	2.92
2017	CS – BT	ngf.	Other ngf.	Bigscale, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Bivalve, unid.	0.00	0.34	0.34	0.34	0.34
2017	CS – BT	ngf.	Other ngf.	Black coral	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Black eelpout	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Blackchin, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Blacktail snailfish	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Blob sculpin	0.00	0.05	0.05	0.05	0.05
2017	CS – BT	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Brown box crab	0.00	1.40	1.40	1.40	1.40
2017	CS – BT	ngf.	Other ngf.	Brown cat shark	0.30	22.38	22.38	22.68	22.68
2017	CS – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	CA slickhead	0.00	4.65	4.65	4.65	4.65
2017	CS – BT	ngf.	Other ngf.	Cat shark, unid.	0.00	0.04	0.04	0.04	0.04
2017	CS – BT	ngf.	Other ngf.	Common thresher shark	0.02	0.00	0.00	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Coral, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.04	0.04	0.04	0.04
2017	CS – BT	ngf.	Other ngf.	Crustacean, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Eel, unid.	0.01	0.00	0.00	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Eelpout, unid.	0.00	11.25	11.25	11.25	11.25
2017	CS – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Filetail cat shark	0.00	0.21	0.21	0.21	0.21
2017	CS – BT	ngf.	Other ngf.	Giant wrymouth	0.00	0.12	0.12	0.12	0.12
2017	CS – BT	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Gunnel, unid.	0.00	0.17	0.17	0.17	0.17
2017	CS – BT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Hair crab	0.00	0.05	0.05	0.05	0.05
2017	CS – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.22	0.22	0.22	0.22
2017	CS – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	5.19	5.19	5.19	5.19
2017	CS – BT	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Jack mackerel	0.38	0.12	0.12	0.50	0.50
2017	CS – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.12	0.12	0.12	0.12
2017	CS – BT	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Longfin dragonfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Longnose cat shark	0.00	0.73	0.73	0.73	0.73
2017	CS – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Mackerel, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Manefish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.79	0.79	0.79	0.79
2017	CS – BT	ngf.	Other ngf.	Mixed species	0.80	0.00	0.00	0.80	0.80
2017	CS – BT	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.04	0.04	0.04	0.04
2017	CS – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Mushroom coral	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Octopus, unid.	1.08	1.06	1.06	2.15	2.15
2017	CS – BT	ngf.	Other ngf.	Oxeye oreo	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Pacific electric ray	0.00	0.66	0.66	0.66	0.66
2017	CS – BT	ngf.	Other ngf.	PHLB	0.17	59.19	30.07	59.36	30.23
2017	CS – BT	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Pacific mackerel	0.01	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Pacific rock crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Pacific sardine	0.03	0.03	0.03	0.06	0.06
2017	CS – BT	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	12.28	12.28	12.28	12.28
2017	CS – BT	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.05	0.05	0.05	0.05
2017	CS – BT	ngf.	Other ngf.	Pacific tomcod	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.06	0.06	0.06	0.06
2017	CS – BT	ngf.	Other ngf.	Pink snailfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Pink surfperch	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.12	0.12	0.12	0.12
2017	CS – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Prickleback, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Prowfish	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Ragfish	0.00	0.24	0.24	0.24	0.24
2017	CS – BT	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Salp, unid.	0.00	28.18	28.18	28.18	28.18
2017	CS – BT	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Scallop, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.09	0.09	0.09	0.09
2017	CS – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.74	0.74	0.74	0.74
2017	CS – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	1.36	1.36	1.36	1.36
2017	CS – BT	ngf.	Other ngf.	Sea pen	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.10	0.10	0.10	0.10
2017	CS – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Sea star, unid.	0.00	9.21	9.21	9.21	9.21
2017	CS – BT	ngf.	Other ngf.	Shark, unid.	0.09	0.75	0.75	0.85	0.85
2017	CS – BT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.04	0.04	0.04	0.04
2017	CS – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Skate, unid.	17.15	0.57	0.57	17.72	17.72
2017	CS – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.28	0.28	0.28	0.28
2017	CS – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	0.39	0.39	0.39	0.39
2017	CS – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Spiky king crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Spiny king crab	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Sponge, unid.	0.00	2.07	2.07	2.07	2.07
2017	CS – BT	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Squid, unid.	1.23	0.19	0.19	1.42	1.42
2017	CS – BT	ngf.	Other ngf.	Starry skate	0.00	0.09	0.09	0.09	0.09
2017	CS – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Other ngf.	Threadfin sculpin	0.00	0.03	0.03	0.03	0.03
2017	CS – BT	ngf.	Other ngf.	Threadfin slickhead	0.00	0.27	0.27	0.27	0.27

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – BT	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.23	0.23	0.23	0.23
2017	CS – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.30	0.30	0.30	0.30
2017	CS – BT	ngf.	Other ngf.	Twoline eelpout	0.00	1.75	1.75	1.75	1.75
2017	CS – BT	ngf.	Other ngf.	Urchin, unid.	0.00	3.29	3.29	3.29	3.29
2017	CS – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Walleye pollock	0.02	0.08	0.08	0.10	0.10
2017	CS – BT	ngf.	Other ngf.	Wolf-eel	0.03	0.08	0.08	0.11	0.11
2017	CS – BT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.08	0.08	0.08	0.08
2017	CS – BT	ngf.	Other ngf.	Yellow rock crab	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Shared ECS	Lightfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	10.71	10.71	10.71	10.71
2017	CS – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	CS – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	2.66	2.66	2.66	2.66
2017	CS – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	44.66	44.66	44.66	44.66
2017	CS – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.10	3.48	3.48	3.57	3.57
2017	CS – H&L	gf.	Big skate	Big skate	0.13	0.00	0.00	0.13	0.13
2017	CS – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.06	0.00	0.00	0.06	0.06
2017	CS – H&L	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.05	0.00	0.00	0.05	0.05
2017	CS – H&L	gf.	Dover sole	Dover sole	0.45	0.00	0.00	0.46	0.46
2017	CS – H&L	gf.	ECS	Black skate	0.00	0.17	0.17	0.17	0.17
2017	CS – H&L	gf.	ECS	Giant grenadier	0.00	0.13	0.13	0.13	0.13
2017	CS – H&L	gf.	ECS	Pacific grenadier	0.00	0.01	0.01	0.01	0.01
2017	CS – H&L	gf.	ECS	Sandpaper skate	0.00	0.24	0.24	0.24	0.24
2017	CS – H&L	gf.	ECS	Spotted ratfish	0.00	0.08	0.08	0.08	0.08
2017	CS – H&L	gf.	Lingcod (N of 40°10')	Lingcod	0.18	0.00	0.00	0.18	0.18
2017	CS – H&L	gf.	Lingcod (S of 40°10')	Lingcod	0.16	0.01	0.00	0.17	0.16
2017	CS – H&L	gf.	Longnose skate	Longnose skate	5.35	0.51	0.25	5.86	5.61
2017	CS – H&L	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.03	0.00	0.00	0.03	0.03
2017	CS – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.22	0.00	0.00	0.22	0.22
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.90	0.01	0.01	0.91	0.91
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	7.04	0.09	0.09	7.12	7.12
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.82	0.01	0.01	0.84	0.84
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.03	0.03	0.03	0.03
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.02	0.02
2017	CS – H&L	gf.	Sablefish (N of 36°)	Sablefish	95.18	1.86	0.37	97.04	95.55
2017	CS – H&L	gf.	SST (N of 34°27')	SST	5.44	0.02	0.02	5.46	5.46
2017	CS – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.00	13.48	6.74	13.48	6.74
2017	CS – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.16	0.00	0.00	0.16	0.16
2017	CS – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – H&L	ngf.	Other ngf.	Blue shark	0.00	0.71	0.71	0.71	0.71
2017	CS – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.03	0.03	0.03	0.03
2017	CS – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	ngf.	Other ngf.	PHLB	0.00	4.14	0.66	4.14	0.66
2017	CS – H&L	ngf.	Other ngf.	Pacific pomfret	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	2.15	2.15	2.15	2.15
2017	CS – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – H&L	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2017	CS – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.04	0.29	0.29	0.33	0.33
2017	CS – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.02	0.00	0.00	0.02	0.02
2017	CS – Pot	gf.	Dover sole	Dover sole	0.15	0.49	0.49	0.64	0.64
2017	CS – Pot	gf.	ECS	Giant grenadier	0.00	0.54	0.54	0.54	0.54
2017	CS – Pot	gf.	ECS	Pacific flatnose	0.00	0.02	0.02	0.02	0.02
2017	CS – Pot	gf.	ECS	Pacific grenadier	0.00	0.73	0.73	0.73	0.73
2017	CS – Pot	gf.	Lingcod (N of 40°10')	Lingcod	2.08	0.34	0.34	2.42	2.42
2017	CS – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.08	0.08	0.08	0.08
2017	CS – Pot	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.01	0.01	0.02	0.02
2017	CS – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.01	0.01	0.01	0.01
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.08	0.01	0.01	0.09	0.09
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.63	0.04	0.04	0.67	0.67
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.10	0.00	0.00	0.10	0.10
2017	CS – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.02	0.02	0.02	0.03	0.03
2017	CS – Pot	gf.	POP (N of 40°10')	POP	0.01	0.00	0.00	0.01	0.01
2017	CS – Pot	gf.	Petrale sole	Petrale sole	0.03	0.05	0.05	0.08	0.08
2017	CS – Pot	gf.	Sablefish (N of 36°)	Sablefish	339.34	3.84	0.77	343.17	340.10
2017	CS – Pot	gf.	Sablefish (S of 36°)	Sablefish	21.12	0.92	0.18	22.03	21.30
2017	CS – Pot	gf.	SST (N of 34°27')	SST	0.17	0.12	0.12	0.29	0.29
2017	CS – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.08	0.08	0.08	0.08
2017	CS – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.87	0.87	0.87	0.87
2017	CS – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Hair crab	0.00	0.04	0.04	0.04	0.04
2017	CS – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.03	0.03	0.03	0.03
2017	CS – Pot	ngf.	Other ngf.	Irregular echinoid	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	ngf.	Other ngf.	PHLB	0.00	1.09	0.64	1.09	0.64
2017	CS – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.36	0.36	0.36	0.36
2017	CS – Pot	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.03	0.03	0.03	0.03
2017	CS – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Twoline eelpout	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS – Pot	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS – Pot	ngf.	Shared ECS	Smelt, unid.	2.16	0.00	0.00	2.16	2.16
2017	CS – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	5.11	5.11	5.11	5.11
2017	CS EM – BT	gf.	Arrowtooth flounder	Arrowtooth flounder	34.01	30.10	30.10	64.11	64.11
2017	CS EM – BT	gf.	Big skate	Big skate	3.35	1.83	0.91	5.18	4.27
2017	CS EM – BT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	36.36	0.09	0.09	36.45	36.45
2017	CS EM – BT	gf.	Canary rf.	Canary rf.	0.76	0.00	0.00	0.76	0.76
2017	CS EM – BT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	22.89	0.03	0.03	22.92	22.92
2017	CS EM – BT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.33	0.00	0.00	0.34	0.34
2017	CS EM – BT	gf.	Darkblotched rf.	Darkblotched rf.	4.59	0.00	0.00	4.60	4.60
2017	CS EM – BT	gf.	Dover sole	Dover sole	978.39	1.82	1.82	980.21	980.21
2017	CS EM – BT	gf.	ECS	Black skate	0.00	2.48	2.48	2.48	2.48
2017	CS EM – BT	gf.	ECS	CA grenadier	0.00	0.04	0.04	0.04	0.04
2017	CS EM – BT	gf.	ECS	CA skate	0.25	0.31	0.31	0.57	0.57
2017	CS EM – BT	gf.	ECS	Giant grenadier	0.00	13.56	13.56	13.56	13.56
2017	CS EM – BT	gf.	ECS	Grenadier, unid.	2.29	0.00	0.00	2.29	2.29
2017	CS EM – BT	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	ECS	Pacific grenadier	0.14	2.19	2.19	2.34	2.34
2017	CS EM – BT	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	ECS	Sandpaper skate	0.00	2.10	2.10	2.10	2.10
2017	CS EM – BT	gf.	ECS	Soupfin shark	0.04	0.00	0.00	0.04	0.04
2017	CS EM – BT	gf.	ECS	Spotted ratfish	0.11	4.34	4.34	4.45	4.45
2017	CS EM – BT	gf.	English sole	English sole	13.78	11.43	11.43	25.21	25.21
2017	CS EM – BT	gf.	Lingcod (N of 40°10')	Lingcod	3.22	0.01	0.01	3.23	3.22
2017	CS EM – BT	gf.	Lingcod (S of 40°10')	Lingcod	12.37	2.69	1.35	15.06	13.71
2017	CS EM – BT	gf.	Longnose skate	Longnose skate	71.11	8.52	4.26	79.63	75.37
2017	CS EM – BT	gf.	LST (N of 34°27')	LST	224.83	0.06	0.06	224.89	224.89
2017	CS EM – BT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.70	0.00	0.00	0.70	0.70
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	1.81	0.18	0.18	1.99	1.99
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.70	0.00	0.00	0.70	0.70
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	3.52	0.00	0.00	3.52	3.52

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.25	0.00	0.00	0.25	0.25
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.11	0.00	0.00	0.11	0.11
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.25	0.00	0.00	0.25	0.25
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.02	0.00	0.00	0.02	0.02
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.04	0.00	0.00	0.04	0.04
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.12	0.00	0.00	0.12	0.12
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.06	0.00	0.00	0.06	0.06
2017	CS EM – BT	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.02	0.00	0.00	0.02	0.02
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	1.38	0.00	0.00	1.38	1.38
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.11	0.00	0.00	0.11	0.11
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.37	0.00	0.00	0.37	0.37
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.96	0.00	0.00	0.96	0.96
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.12	0.00	0.00	0.12	0.12
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.03	0.00	0.00	0.03	0.03
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.09	0.01	0.01	0.10	0.10
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.41	0.00	0.00	0.41	0.41
2017	CS EM – BT	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	2.16	0.00	0.00	2.16	2.16
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	2.05	0.00	0.00	2.05	2.05
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	5.04	0.02	0.02	5.06	5.06
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	7.55	0.00	0.00	7.55	7.55
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.03	0.00	0.00	0.03	0.03
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.11	0.00	0.00	0.11	0.11
2017	CS EM – BT	gf.	Mixed thornyheads	SST/LST	0.00	0.07	0.07	0.07	0.07
2017	CS EM – BT	gf.	Other flatfish	Curlfin sole	0.09	0.00	0.00	0.09	0.09
2017	CS EM – BT	gf.	Other flatfish	Flatfish, unid.	0.00	0.19	0.19	0.20	0.20
2017	CS EM – BT	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	gf.	Other flatfish	Pacific sanddab	22.23	7.04	7.04	29.27	29.27
2017	CS EM – BT	gf.	Other flatfish	Rex sole	29.05	0.10	0.10	29.15	29.15

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – BT	gf.	Other flatfish	Rock sole	0.12	0.00	0.00	0.12	0.12
2017	CS EM – BT	gf.	Other flatfish	Sand sole	0.49	0.00	0.00	0.49	0.49
2017	CS EM – BT	gf.	Other flatfish	Sanddab, unid.	0.97	0.00	0.00	0.97	0.97
2017	CS EM – BT	gf.	Other rf.	Rockfish, unid.	0.00	0.11	0.11	0.11	0.11
2017	CS EM – BT	gf.	Pacific hake	Pacific hake	2.72	13.65	13.65	16.37	16.37
2017	CS EM – BT	gf.	POP (N of 40°10')	POP	0.24	0.00	0.00	0.24	0.24
2017	CS EM – BT	gf.	Petrale sole	Petrale sole	251.75	0.23	0.23	251.97	251.97
2017	CS EM – BT	gf.	Sablefish (N of 36°)	Sablefish	217.77	0.18	0.09	217.95	217.86
2017	CS EM – BT	gf.	Sablefish (S of 36°)	Sablefish	0.25	0.00	0.00	0.25	0.25
2017	CS EM – BT	gf.	Shortbelly rf.	Shortbelly rf.	0.44	0.00	0.00	0.44	0.44
2017	CS EM – BT	gf.	SST (N of 34°27')	SST	85.45	0.05	0.05	85.50	85.50
2017	CS EM – BT	gf.	Spiny dogfish	Spiny dogfish shark	0.01	2.94	2.94	2.95	2.95
2017	CS EM – BT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	2.38	0.01	0.01	2.39	2.39
2017	CS EM – BT	gf.	Starry flounder	Starry flounder	2.69	0.00	0.00	2.69	2.69
2017	CS EM – BT	gf.	Widow rf.	Widow rf.	1.42	0.00	0.00	1.43	1.43
2017	CS EM – BT	gf.	Yelloweye rf.	Yelloweye rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	ngf.	Dungeness crab	Dungeness crab	0.00	2.92	2.92	2.92	2.92
2017	CS EM – BT	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.45	0.45	0.45	0.45
2017	CS EM – BT	ngf.	Non-FMP flatfish	Slender sole	0.11	0.01	0.01	0.12	0.12
2017	CS EM – BT	ngf.	Other ngf.	American shad	0.20	0.30	0.30	0.50	0.50
2017	CS EM – BT	ngf.	Other ngf.	Anemone, unid.	0.00	1.45	1.45	1.45	1.45
2017	CS EM – BT	ngf.	Other ngf.	Armed box crab	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Bigfin eelpout	0.00	0.28	0.28	0.28	0.28
2017	CS EM – BT	ngf.	Other ngf.	Black coral	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Blackbelly eelpout	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Brown box crab	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Brown cat shark	0.00	6.12	6.12	6.12	6.12
2017	CS EM – BT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	CA slickhead	0.00	3.30	3.30	3.30	3.30
2017	CS EM – BT	ngf.	Other ngf.	Crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Croaker, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Ectoprocta, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Eelpout, unid.	0.00	0.96	0.96	0.96	0.96
2017	CS EM – BT	ngf.	Other ngf.	Fangtooth	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – BT	ngf.	Other ngf.	Filetail cat shark	0.00	0.16	0.16	0.16	0.16
2017	CS EM – BT	ngf.	Other ngf.	Graceful crab	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Green abalone	3.19	0.00	0.00	3.19	3.19
2017	CS EM – BT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Herring, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.73	0.73	0.73	0.73
2017	CS EM – BT	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.72	1.72	1.72	1.72
2017	CS EM – BT	ngf.	Other ngf.	Jack mackerel	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Longnose cat shark	0.00	0.10	0.10	0.10	0.10
2017	CS EM – BT	ngf.	Other ngf.	Longspine combfish	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Loosejaw, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.07	0.07	0.07	0.07
2017	CS EM – BT	ngf.	Other ngf.	Mixed species	3.49	0.00	0.00	3.49	3.49
2017	CS EM – BT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Moridae, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Mushroom coral	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	North Pacific daggertooth	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Octopus, unid.	0.11	0.49	0.49	0.60	0.60
2017	CS EM – BT	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Pacific electric ray	0.00	0.66	0.66	0.66	0.66
2017	CS EM – BT	ngf.	Other ngf.	PHLB	0.05	5.41	4.87	5.46	4.92
2017	CS EM – BT	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Pacific mackerel	0.02	0.00	0.00	0.02	0.02
2017	CS EM – BT	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.89	0.89	0.89	0.89
2017	CS EM – BT	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Plainfin midshipman	0.00	0.25	0.25	0.25	0.25
2017	CS EM – BT	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Ribbonfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Salp, unid.	0.00	0.16	0.16	0.16	0.16
2017	CS EM – BT	ngf.	Other ngf.	Scabbardfish/cutlassfish, unid.	0.00	0.28	0.28	0.28	0.28
2017	CS EM – BT	ngf.	Other ngf.	Scaleless dragonfish, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – BT	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2017	CS EM – BT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.03	0.03	0.03	0.03
2017	CS EM – BT	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.59	0.59	0.59	0.59
2017	CS EM – BT	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.42	0.42	0.42	0.42
2017	CS EM – BT	ngf.	Other ngf.	Sea squirt, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Sea star, unid.	0.00	3.85	3.85	3.85	3.85
2017	CS EM – BT	ngf.	Other ngf.	Shark, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Shrimp, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Sixgill shark	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Skate, unid.	0.69	0.27	0.27	0.96	0.96
2017	CS EM – BT	ngf.	Other ngf.	Slickhead, unid.	0.00	0.08	0.08	0.08	0.08
2017	CS EM – BT	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Snailfish, unid.	0.00	0.11	0.11	0.11	0.11
2017	CS EM – BT	ngf.	Other ngf.	Snakehead eelpout	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Sponge, unid.	0.00	0.31	0.31	0.31	0.31
2017	CS EM – BT	ngf.	Other ngf.	Squid, unid.	0.04	0.11	0.11	0.16	0.16
2017	CS EM – BT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	Tunicate, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS EM – BT	ngf.	Other ngf.	Twoline eelpout	0.00	0.56	0.56	0.56	0.56
2017	CS EM – BT	ngf.	Other ngf.	Urchin, unid.	0.00	0.35	0.35	0.35	0.35
2017	CS EM – BT	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Other ngf.	White croaker	0.01	0.07	0.07	0.08	0.08
2017	CS EM – BT	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	1.04	1.04	1.04	1.04
2017	CS EM – BT	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	CS EM – BT	ngf.	Tanner crab	Tanner crab, unid.	0.00	3.30	3.30	3.30	3.30
2017	CS EM – BT	ngf.	Tanner crab	Tanneri Tanner crab	0.00	37.85	37.85	37.85	37.85
2017	CS EM – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.05	0.13	0.13	0.18	0.18
2017	CS EM – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – Pot	gf.	Dover sole	Dover sole	0.32	0.21	0.21	0.53	0.53
2017	CS EM – Pot	gf.	ECS	Giant grenadier	0.00	0.36	0.36	0.36	0.36
2017	CS EM – Pot	gf.	ECS	Grenadier, unid.	0.00	0.03	0.03	0.03	0.03
2017	CS EM – Pot	gf.	ECS	Pacific flatnose	0.00	0.01	0.01	0.01	0.01
2017	CS EM – Pot	gf.	ECS	Pacific grenadier	0.00	0.42	0.42	0.42	0.42
2017	CS EM – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.30	0.14	0.14	0.45	0.45

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.06	0.05	0.05	0.11	0.11
2017	CS EM – Pot	gf.	Longnose skate	Longnose skate	0.00	0.03	0.01	0.03	0.01
2017	CS EM – Pot	gf.	LST (N of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2017	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.01	0.01
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.15	0.02	0.02	0.17	0.17
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.15	0.00	0.00	0.15	0.15
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	CS EM – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.61	0.00	0.00	0.61	0.61
2017	CS EM – Pot	gf.	Mixed thornyheads	SST/LST	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.01	0.01
2017	CS EM – Pot	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Other rf.	Rockfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Pacific hake	Pacific hake	0.00	0.01	0.01	0.01	0.01
2017	CS EM – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	gf.	Petrale sole	Petrale sole	0.01	0.01	0.01	0.02	0.02
2017	CS EM – Pot	gf.	Sablefish (N of 36°)	Sablefish	413.21	6.67	1.33	419.88	414.54
2017	CS EM – Pot	gf.	Sablefish (S of 36°)	Sablefish	88.88	0.93	0.19	89.81	89.07
2017	CS EM – Pot	gf.	SST (N of 34°27')	SST	0.74	0.15	0.15	0.89	0.89
2017	CS EM – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.09	0.09	0.09	0.09
2017	CS EM – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.49	0.49	0.49	0.49
2017	CS EM – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Blacktail snailfish	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Blob sculpin	0.00	0.01	0.01	0.01	0.01
2017	CS EM – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	ngf.	Other ngf.	Hair crab	0.00	0.03	0.03	0.03	0.03
2017	CS EM – Pot	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	CS EM – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.13	0.13	0.13	0.13
2017	CS EM – Pot	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	PHLB	0.00	0.75	0.13	0.75	0.13
2017	CS EM – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.14	0.14	0.14	0.14
2017	CS EM – Pot	ngf.	Other ngf.	Salp, unid.	0.00	0.20	0.20	0.20	0.20
2017	CS EM – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.16	0.16	0.16	0.16
2017	CS EM – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS EM – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2017	CS EM – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.04	0.04	0.04	0.04
2017	CS EM – Pot	ngf.	Other ngf.	Shark, unid.	0.00	0.21	0.21	0.21	0.21
2017	CS EM – Pot	ngf.	Other ngf.	Sixgill shark	0.00	0.06	0.06	0.06	0.06
2017	CS EM – Pot	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2017	CS EM – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.02	0.02	0.02	0.02
2017	CS EM – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	3.45	3.45	3.45	3.45
2017	CS EM – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	4.18	4.18	4.18	4.18
2017	Incidental	gf.	Arrowtooth flounder	Arrowtooth flounder	0.89	0.00	0.00	0.89	0.89
2017	Incidental	gf.	Big skate	Big skate	0.76	0.00	0.00	0.76	0.76
2017	Incidental	gf.	Black rf. (CA)	Black rf.	0.14	0.00	0.00	0.14	0.14
2017	Incidental	gf.	Black rf. (OR)	Black rf.	14.23	0.00	0.00	14.23	14.23
2017	Incidental	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.93	0.00	0.00	1.93	1.93
2017	Incidental	gf.	Cabezon (CA)	Cabezon	0.20	0.00	0.00	0.20	0.20
2017	Incidental	gf.	Cabezon (OR)	Cabezon	3.21	0.00	0.00	3.21	3.21
2017	Incidental	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.09	0.00	0.00	0.09	0.09
2017	Incidental	gf.	Canary rf.	Canary rf.	1.00	0.00	0.00	1.00	1.00
2017	Incidental	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	11.88	0.00	0.00	11.88	11.88
2017	Incidental	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Darkblotched rf.	Darkblotched rf.	0.07	0.00	0.00	0.07	0.07
2017	Incidental	gf.	Dover sole	Dover sole	21.66	0.00	0.00	21.66	21.66
2017	Incidental	gf.	ECS	Black skate	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	ECS	CA skate	0.29	0.00	0.00	0.29	0.29
2017	Incidental	gf.	ECS	Grenadier, unid.	0.03	0.00	0.00	0.03	0.03
2017	Incidental	gf.	ECS	Pacific grenadier	0.05	0.00	0.00	0.05	0.05
2017	Incidental	gf.	ECS	Soupfin shark	4.68	0.00	0.00	4.68	4.68

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Incidental	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	English sole	English sole	0.44	0.00	0.00	0.44	0.44
2017	Incidental	gf.	Lingcod (N of 40°10')	Lingcod	10.76	0.00	0.00	10.76	10.76
2017	Incidental	gf.	Lingcod (S of 40°10')	Lingcod	6.74	0.00	0.00	6.74	6.74
2017	Incidental	gf.	Longnose skate	Longnose skate	3.28	0.00	0.00	3.28	3.28
2017	Incidental	gf.	LST (N of 34°27')	LST	4.52	0.00	0.00	4.52	4.52
2017	Incidental	gf.	LST (S of 34°27')	LST	0.24	0.00	0.00	0.24	0.24
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.57	0.00	0.00	0.57	0.57
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.61	0.00	0.00	0.61	0.61
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.16	0.00	0.00	0.16	0.16
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.03	0.00	0.00	0.03	0.03
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.26	0.00	0.00	0.26	0.26
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.15	0.00	0.00	0.15	0.15
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.06	0.00	0.00	0.06	0.06
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.19	0.00	0.00	0.19	0.19
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.05	0.00	0.00	0.05	0.05
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.16	0.00	0.00	0.16	0.16
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.03	0.00	0.00	0.03	0.03
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.00	0.00	0.05	0.05
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.18	0.00	0.00	0.18	0.18
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.26	0.00	0.00	0.26	0.26
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.06	0.00	0.00	0.06	0.06
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.26	0.00	0.00	0.26	0.26
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.05	0.00	0.00	0.05	0.05
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	1.41	0.00	0.00	1.41	1.41
2017	Incidental	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	2.01	0.00	0.00	2.01	2.01
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.33	0.00	0.00	0.33	0.33
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.44	0.00	0.00	1.44	1.44
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.06	0.00	0.00	0.06	0.06
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.09	0.00	0.00	0.09	0.09
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	Incidental	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.00	0.00	0.00	1.00	1.00
2017	Incidental	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.09	0.00	0.00	0.09	0.09
2017	Incidental	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.03	0.00	0.00	0.03	0.03
2017	Incidental	gf.	Mixed thornyheads	SST/LST	0.10	0.00	0.00	0.10	0.10
2017	Incidental	gf.	Other flatfish	Curlfin sole	0.05	0.00	0.00	0.05	0.05
2017	Incidental	gf.	Other flatfish	Flatfish, unid.	0.42	0.00	0.00	0.42	0.42
2017	Incidental	gf.	Other flatfish	Flathead sole	0.01	0.00	0.00	0.01	0.01
2017	Incidental	gf.	Other flatfish	Pacific sanddab	0.12	0.00	0.00	0.12	0.12
2017	Incidental	gf.	Other flatfish	Rex sole	0.63	0.00	0.00	0.63	0.63
2017	Incidental	gf.	Other flatfish	Rock sole	0.26	0.00	0.00	0.26	0.26
2017	Incidental	gf.	Other flatfish	Sand sole	0.81	0.00	0.00	0.81	0.81
2017	Incidental	gf.	Other flatfish	Sanddab, unid.	0.48	0.00	0.00	0.48	0.48
2017	Incidental	gf.	Other gf.	Kelp greenling (CA)	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Other gf.	Kelp greenling (OR)	2.23	0.00	0.00	2.23	2.23
2017	Incidental	gf.	Other gf.	Leopard shark	3.43	0.00	0.00	3.43	3.43
2017	Incidental	gf.	Other rf.	Rockfish, unid.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Pacific cod	Pacific cod	0.08	0.00	0.00	0.08	0.08
2017	Incidental	gf.	Pacific hake	Pacific hake	0.03	0.00	0.00	0.03	0.03
2017	Incidental	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Petrale sole	Petrale sole	5.87	0.00	0.00	5.87	5.87
2017	Incidental	gf.	Sablefish (N of 36°)	Sablefish	41.21	0.00	0.00	41.21	41.21
2017	Incidental	gf.	Sablefish (S of 36°)	Sablefish	3.44	0.00	0.00	3.44	3.44
2017	Incidental	gf.	SST (N of 34°27')	SST	1.10	0.00	0.00	1.10	1.10
2017	Incidental	gf.	SST (S of 34°27')	SST	1.50	0.00	0.00	1.50	1.50

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Incidental	gf.	Spiny dogfish	Spiny dogfish shark	0.27	0.00	0.00	0.27	0.27
2017	Incidental	gf.	Starry flounder	Starry flounder	1.60	0.00	0.00	1.60	1.60
2017	Incidental	gf.	Widow rf.	Widow rf.	0.44	0.00	0.00	0.44	0.44
2017	Incidental	gf.	Yelloweye rf.	Yelloweye rf.	0.02	0.00	0.00	0.02	0.02
2017	Incidental	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.80	0.00	0.00	1.80	1.80
2017	Incidental	ngf.	CA halibut	CA halibut	154.14	0.00	0.00	154.14	154.14
2017	Incidental	ngf.	Dungeness crab	Dungeness crab	21865.66	0.00	0.00	21865.66	21865.66
2017	Incidental	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2017	Incidental	ngf.	Non-FMP flatfish	Fantail sole	0.77	0.00	0.00	0.77	0.77
2017	Incidental	ngf.	Non-FMP flatfish	Hornyhead turbot	0.01	0.00	0.00	0.01	0.01
2017	Incidental	ngf.	Other ngf.	Albacore tuna	7438.04	0.00	0.00	7438.04	7438.04
2017	Incidental	ngf.	Other ngf.	American shad	7.58	0.00	0.00	7.58	7.58
2017	Incidental	ngf.	Other ngf.	Anchovy, unid.	32.68	0.00	0.00	32.68	32.68
2017	Incidental	ngf.	Other ngf.	Bait shrimp, unid.	346.44	0.00	0.00	346.44	346.44
2017	Incidental	ngf.	Other ngf.	Basket cockle	129.35	0.00	0.00	129.35	129.35
2017	Incidental	ngf.	Other ngf.	Bass, unid.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	ngf.	Other ngf.	Bat ray	10.69	0.00	0.00	10.69	10.69
2017	Incidental	ngf.	Other ngf.	Bigeye thresher shark	1.63	0.00	0.00	1.63	1.63
2017	Incidental	ngf.	Other ngf.	Bigeye tuna	2.99	0.00	0.00	2.99	2.99
2017	Incidental	ngf.	Other ngf.	Bivalve, unid.	0.48	0.00	0.00	0.48	0.48
2017	Incidental	ngf.	Other ngf.	Bluefin tuna	484.99	0.00	0.00	484.99	484.99
2017	Incidental	ngf.	Other ngf.	Bonito (shortfin mako) shark	19.96	0.00	0.00	19.96	19.96
2017	Incidental	ngf.	Other ngf.	Butter clam	45.29	0.00	0.00	45.29	45.29
2017	Incidental	ngf.	Other ngf.	CA barracuda	0.84	0.00	0.00	0.84	0.84
2017	Incidental	ngf.	Other ngf.	CA mussel	0.02	0.00	0.00	0.02	0.02
2017	Incidental	ngf.	Other ngf.	CA sheephead	1.93	0.00	0.00	1.93	1.93
2017	Incidental	ngf.	Other ngf.	CA spiny lobster	273.35	0.00	0.00	273.35	273.35
2017	Incidental	ngf.	Other ngf.	Clam, unid.	0.16	0.00	0.00	0.16	0.16
2017	Incidental	ngf.	Other ngf.	Common thresher shark	62.77	0.00	0.00	62.77	62.77
2017	Incidental	ngf.	Other ngf.	Crab, unid.	68.12	0.00	0.00	68.12	68.12
2017	Incidental	ngf.	Other ngf.	Croaker, unid.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	ngf.	Other ngf.	Dorado	0.99	0.00	0.00	0.99	0.99
2017	Incidental	ngf.	Other ngf.	Echinoderm, unid.	0.43	0.00	0.00	0.43	0.43
2017	Incidental	ngf.	Other ngf.	Eel, unid.	0.76	0.00	0.00	0.76	0.76
2017	Incidental	ngf.	Other ngf.	Gaper clam	148.44	0.00	0.00	148.44	148.44
2017	Incidental	ngf.	Other ngf.	Ghost shrimp	21.87	0.00	0.00	21.87	21.87
2017	Incidental	ngf.	Other ngf.	Giant sea bass	3.68	0.00	0.00	3.68	3.68
2017	Incidental	ngf.	Other ngf.	Golden prawn	0.35	0.00	0.00	0.35	0.35
2017	Incidental	ngf.	Other ngf.	Hagfish, unid.	1972.41	0.00	0.00	1972.41	1972.41

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Incidental	ngf.	Other ngf.	Halibut, unid.	0.21	0.00	0.00	0.21	0.21
2017	Incidental	ngf.	Other ngf.	Jack mackerel	113.42	0.00	0.00	113.42	113.42
2017	Incidental	ngf.	Other ngf.	King crab, unid.	1.94	0.00	0.00	1.94	1.94
2017	Incidental	ngf.	Other ngf.	Mackerel, unid.	2.36	0.00	0.00	2.36	2.36
2017	Incidental	ngf.	Other ngf.	Market squid	61758.05	0.00	0.00	61758.05	61758.05
2017	Incidental	ngf.	Other ngf.	Mixed species	144.74	0.00	0.00	144.74	144.74
2017	Incidental	ngf.	Other ngf.	Mollusc, unid.	38.25	0.00	0.00	38.25	38.25
2017	Incidental	ngf.	Other ngf.	Monkeyface prickleback	0.08	0.00	0.00	0.08	0.08
2017	Incidental	ngf.	Other ngf.	Mud shrimp	0.51	0.00	0.00	0.51	0.51
2017	Incidental	ngf.	Other ngf.	Native littleneck clam	0.01	0.00	0.00	0.01	0.01
2017	Incidental	ngf.	Other ngf.	Northern anchovy	5533.71	0.00	0.00	5533.71	5533.71
2017	Incidental	ngf.	Other ngf.	Octopus, unid.	1.73	0.00	0.00	1.73	1.73
2017	Incidental	ngf.	Other ngf.	Pacific angel shark	17.43	0.00	0.00	17.43	17.43
2017	Incidental	ngf.	Other ngf.	Pacific bonito	891.71	0.00	0.00	891.71	891.71
2017	Incidental	ngf.	Other ngf.	Pacific herring	123.00	0.00	0.00	123.00	123.00
2017	Incidental	ngf.	Other ngf.	Pacific mackerel	2082.55	0.00	0.00	2082.55	2082.55
2017	Incidental	ngf.	Other ngf.	Pacific sardine	430.93	0.00	0.00	430.93	430.93
2017	Incidental	ngf.	Other ngf.	Pelagic thresher shark	6.08	0.00	0.00	6.08	6.08
2017	Incidental	ngf.	Other ngf.	Pink shrimp	67.70	0.00	0.00	67.70	67.70
2017	Incidental	ngf.	Other ngf.	Plainfin midshipman	0.09	0.00	0.00	0.09	0.09
2017	Incidental	ngf.	Other ngf.	Razor clam	7.27	0.00	0.00	7.27	7.27
2017	Incidental	ngf.	Other ngf.	Red rock crab	529.09	0.00	0.00	529.09	529.09
2017	Incidental	ngf.	Other ngf.	Red urchin	2023.33	0.00	0.00	2023.33	2023.33
2017	Incidental	ngf.	Other ngf.	Ridgeback prawn	4.29	0.00	0.00	4.29	4.29
2017	Incidental	ngf.	Other ngf.	Sculpin, unid.	0.20	0.00	0.00	0.20	0.20
2017	Incidental	ngf.	Other ngf.	Sea cucumber, unid.	59.57	0.00	0.00	59.57	59.57
2017	Incidental	ngf.	Other ngf.	Shark, unid.	1.27	0.00	0.00	1.27	1.27
2017	Incidental	ngf.	Other ngf.	Shrimp, unid.	52.79	0.00	0.00	52.79	52.79
2017	Incidental	ngf.	Other ngf.	Skate, unid.	4.62	0.00	0.00	4.62	4.62
2017	Incidental	ngf.	Other ngf.	Skipjack tuna	36.22	0.00	0.00	36.22	36.22
2017	Incidental	ngf.	Other ngf.	Spot prawn	241.79	0.00	0.00	241.79	241.79
2017	Incidental	ngf.	Other ngf.	Squid, unid.	10.83	0.00	0.00	10.83	10.83
2017	Incidental	ngf.	Other ngf.	Surfperch, unid.	12.45	0.00	0.00	12.45	12.45
2017	Incidental	ngf.	Other ngf.	Swordfish	293.64	0.00	0.00	293.64	293.64
2017	Incidental	ngf.	Other ngf.	Tuna, unid.	0.01	0.00	0.00	0.01	0.01
2017	Incidental	ngf.	Other ngf.	Urchin, unid.	3.74	0.00	0.00	3.74	3.74
2017	Incidental	ngf.	Other ngf.	White croaker	3.83	0.00	0.00	3.83	3.83
2017	Incidental	ngf.	Other ngf.	White sea bass	103.94	0.00	0.00	103.94	103.94
2017	Incidental	ngf.	Other ngf.	Wolf-eel	0.07	0.00	0.00	0.07	0.07

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Incidental	ngf.	Other ngf.	Yellowfin tuna	1707.96	0.00	0.00	1707.96	1707.96
2017	Incidental	ngf.	Other ngf.	Yellowtail amberjack	33.07	0.00	0.00	33.07	33.07
2017	Incidental	ngf.	Shared ECS	Round herring	0.81	0.00	0.00	0.81	0.81
2017	Incidental	ngf.	Shared ECS	Smelt, unid.	135.17	0.00	0.00	135.17	135.17
2017	LE FG DTL – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.29	0.00	0.00	0.29	0.29
2017	LE FG DTL – H&L	gf.	Big skate	Big skate	0.39	1.23	1.23	1.62	1.62
2017	LE FG DTL – H&L	gf.	Black rf. (CA)	Black rf.	10.17	0.00	0.00	10.17	10.17
2017	LE FG DTL – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	1.79	0.00	0.00	1.79	1.79
2017	LE FG DTL – H&L	gf.	Cabezon (CA)	Cabezon	0.14	0.00	0.00	0.14	0.14
2017	LE FG DTL – H&L	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	1.12	0.00	0.00	1.12	1.12
2017	LE FG DTL – H&L	gf.	Canary rf.	Canary rf.	0.56	0.00	0.00	0.56	0.56
2017	LE FG DTL – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.08	0.00	0.00	0.08	0.08
2017	LE FG DTL – H&L	gf.	Darkblotched rf.	Darkblotched rf.	0.81	0.00	0.00	0.81	0.81
2017	LE FG DTL – H&L	gf.	Dover sole	Dover sole	1.47	0.92	0.92	2.39	2.39
2017	LE FG DTL – H&L	gf.	ECS	Black skate	0.01	4.76	4.76	4.78	4.78
2017	LE FG DTL – H&L	gf.	ECS	CA grenadier	0.00	0.18	0.18	0.18	0.18
2017	LE FG DTL – H&L	gf.	ECS	CA skate	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	ECS	Giant grenadier	0.32	6.79	6.79	7.11	7.11
2017	LE FG DTL – H&L	gf.	ECS	Grenadier, unid.	11.26	0.21	0.21	11.47	11.47
2017	LE FG DTL – H&L	gf.	ECS	Pacific flatnose	0.00	0.14	0.14	0.14	0.14
2017	LE FG DTL – H&L	gf.	ECS	Pacific grenadier	0.66	4.80	4.80	5.45	5.45
2017	LE FG DTL – H&L	gf.	ECS	Smooth grenadier	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	gf.	ECS	Soupfin shark	0.04	0.02	0.02	0.05	0.05
2017	LE FG DTL – H&L	gf.	ECS	Spotted ratfish	0.00	0.11	0.11	0.11	0.11
2017	LE FG DTL – H&L	gf.	Lingcod (N of 40°10')	Lingcod	2.13	0.00	0.00	2.13	2.13
2017	LE FG DTL – H&L	gf.	Lingcod (S of 40°10')	Lingcod	2.33	0.00	0.00	2.33	2.33
2017	LE FG DTL – H&L	gf.	Longnose skate	Longnose skate	5.15	14.59	7.29	19.74	12.44
2017	LE FG DTL – H&L	gf.	LST (N of 34°27')	LST	3.01	2.62	2.62	5.63	5.63
2017	LE FG DTL – H&L	gf.	LST (S of 34°27')	LST	10.93	0.79	0.79	11.72	11.72
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.64	0.00	0.00	0.64	0.64
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.19	0.00	0.00	0.19	0.19
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.04	0.00	0.00	0.04	0.04

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.22	0.00	0.00	0.22	0.22
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.06	0.00	0.00	0.06	0.06
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.07	0.00	0.00	0.07	0.07
2017	LE FG DTL – H&L	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Flag rf.	0.08	0.00	0.00	0.08	0.08
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.05	0.00	0.00	0.05	0.05
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.03	0.00	0.00	0.03	0.03
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.53	0.00	0.00	0.53	0.53
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.03	0.00	0.00	0.03	0.03
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.03	0.00	0.00	0.03	0.03
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.22	0.00	0.00	0.22	0.22
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.04	0.00	0.00	0.04	0.04
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.39	0.00	0.00	0.39	0.39
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	15.40	0.00	0.00	15.40	15.40
2017	LE FG DTL – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.18	0.00	0.00	0.18	0.18
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.76	0.00	0.00	1.76	1.76
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	3.42	0.00	0.00	3.42	3.42
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	3.14	0.00	0.00	3.14	3.14
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.22	0.00	0.00	0.22	0.22
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.42	0.00	0.00	0.42	0.42
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.65	0.02	0.02	0.67	0.67
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.25	0.00	0.00	0.25	0.25

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2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	18.41	0.05	0.05	18.46	18.46
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.28	0.28	0.28	0.28
2017	LE FG DTL – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.28	0.00	0.00	0.28	0.28
2017	LE FG DTL – H&L	gf.	Mixed thornyheads	SST/LST	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – H&L	gf.	Other flatfish	Pacific sanddab	2.20	0.01	0.01	2.21	2.21
2017	LE FG DTL – H&L	gf.	Other flatfish	Sand sole	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	gf.	Other flatfish	Sanddab, unid.	1.65	0.00	0.00	1.65	1.65
2017	LE FG DTL – H&L	gf.	Other gf.	Kelp greenling (CA)	0.36	0.00	0.00	0.36	0.36
2017	LE FG DTL – H&L	gf.	Pacific cod	Pacific cod	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	gf.	Pacific hake	Pacific hake	0.20	0.93	0.93	1.13	1.13
2017	LE FG DTL – H&L	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – H&L	gf.	Petrale sole	Petrale sole	0.17	0.00	0.00	0.17	0.17
2017	LE FG DTL – H&L	gf.	Sablefish (N of 36°)	Sablefish	221.80	41.85	8.37	263.65	230.17
2017	LE FG DTL – H&L	gf.	Sablefish (S of 36°)	Sablefish	295.01	19.49	3.90	314.51	298.91
2017	LE FG DTL – H&L	gf.	SST (N of 34°27')	SST	30.87	0.70	0.70	31.57	31.57
2017	LE FG DTL – H&L	gf.	SST (S of 34°27')	SST	130.43	3.33	3.33	133.76	133.76
2017	LE FG DTL – H&L	gf.	Spiny dogfish	Spiny dogfish shark	1.05	0.33	0.17	1.38	1.21
2017	LE FG DTL – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.03	0.00	0.00	0.03	0.03
2017	LE FG DTL – H&L	gf.	Widow rf.	Widow rf.	0.72	0.00	0.00	0.72	0.72
2017	LE FG DTL – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.05	0.00	0.00	0.05	0.05
2017	LE FG DTL – H&L	ngf.	CA halibut	CA halibut	0.16	0.00	0.00	0.16	0.16
2017	LE FG DTL – H&L	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.07	0.07	0.07	0.07
2017	LE FG DTL – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.14	0.00	0.00	0.14	0.14
2017	LE FG DTL – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.05	0.05	0.05	0.05
2017	LE FG DTL – H&L	ngf.	Other ngf.	Blue shark	0.02	1.43	1.43	1.45	1.45
2017	LE FG DTL – H&L	ngf.	Other ngf.	Bluefin tuna	0.07	0.00	0.00	0.07	0.07
2017	LE FG DTL – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.06	0.00	0.00	0.06	0.06
2017	LE FG DTL – H&L	ngf.	Other ngf.	Brown cat shark	0.00	4.61	4.61	4.61	4.61
2017	LE FG DTL – H&L	ngf.	Other ngf.	CA sheephead	0.10	0.00	0.00	0.10	0.10
2017	LE FG DTL – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.14	0.14	0.14	0.14
2017	LE FG DTL – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.16	0.16	0.16	0.16
2017	LE FG DTL – H&L	ngf.	Other ngf.	Deepsea rock crab	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	3.04	3.04	3.04	3.04
2017	LE FG DTL – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.38	0.38	0.38	0.38
2017	LE FG DTL – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE FG DTL – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.43	0.43	0.43	0.43
2017	LE FG DTL – H&L	ngf.	Other ngf.	Mackerel, unid.	0.32	0.00	0.00	0.32	0.32
2017	LE FG DTL – H&L	ngf.	Other ngf.	Market squid	0.11	0.00	0.00	0.11	0.11
2017	LE FG DTL – H&L	ngf.	Other ngf.	Mixed species	0.60	0.00	0.00	0.60	0.60
2017	LE FG DTL – H&L	ngf.	Other ngf.	Mollusc, unid.	0.05	0.00	0.00	0.05	0.05
2017	LE FG DTL – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pacific black dogfish	0.00	0.13	0.13	0.13	0.13
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pacific bonito	0.03	0.04	0.04	0.07	0.07
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	PHLB	0.79	0.67	0.02	1.46	0.81
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pacific mackerel	0.36	0.01	0.01	0.36	0.36
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	323.50	323.50	323.50	323.50
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic stingray	0.00	0.49	0.49	0.49	0.49
2017	LE FG DTL – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	5.93	5.93	5.93	5.93
2017	LE FG DTL – H&L	ngf.	Other ngf.	Primnoidae, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	Red rock crab	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	Scarlet king crab	0.00	0.08	0.08	0.08	0.08
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.10	0.10	0.10	0.10
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.68	0.68	0.68	0.68
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sea whip	0.00	0.02	0.02	0.02	0.02
2017	LE FG DTL – H&L	ngf.	Other ngf.	Shark, unid.	1.15	4.21	4.21	5.36	5.36
2017	LE FG DTL – H&L	ngf.	Other ngf.	Skate, unid.	0.09	3.32	3.32	3.41	3.41
2017	LE FG DTL – H&L	ngf.	Other ngf.	Slickhead, unid.	0.00	0.12	0.12	0.12	0.12
2017	LE FG DTL – H&L	ngf.	Other ngf.	Soft coral	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	1.45	1.45	1.45	1.45
2017	LE FG DTL – H&L	ngf.	Other ngf.	Yellowfin tuna	0.04	0.00	0.00	0.04	0.04
2017	LE FG DTL – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.35	0.00	0.00	0.35	0.35
2017	LE FG DTL – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.26	0.26	0.26	0.26
2017	LE FG DTL – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.06	0.06	0.06	0.06
2017	LE FG DTL – Pot	gf.	Cabezon (CA)	Cabezon	0.59	0.03	0.03	0.62	0.62
2017	LE FG DTL – Pot	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Dover sole	Dover sole	0.00	0.04	0.04	0.04	0.04
2017	LE FG DTL – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Lingcod (N of 40°10')	Lingcod	0.70	0.02	0.02	0.72	0.72
2017	LE FG DTL – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.26	0.01	0.01	0.28	0.28

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE FG DTL – Pot	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.54	0.00	0.00	0.55	0.55
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.55	0.00	0.00	0.55	0.55
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.09	0.00	0.00	0.09	0.09
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – Pot	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – Pot	gf.	Other gf.	Kelp greenling (CA)	0.16	0.00	0.00	0.16	0.16
2017	LE FG DTL – Pot	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	gf.	Sablefish (N of 36°)	Sablefish	11.51	2.74	0.55	14.25	12.06
2017	LE FG DTL – Pot	gf.	SST (N of 34°27')	SST	0.02	0.00	0.00	0.02	0.02
2017	LE FG DTL – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2017	LE FG DTL – Pot	ngf.	Dungeness crab	Dungeness crab	0.25	0.02	0.02	0.27	0.27
2017	LE FG DTL – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	CA king crab	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	CA sheephead	0.00	0.22	0.22	0.22	0.22
2017	LE FG DTL – Pot	ngf.	Other ngf.	Crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	0.24	0.24	0.24	0.24
2017	LE FG DTL – Pot	ngf.	Other ngf.	Garibaldi	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Hagfish, unid.	0.42	0.00	0.00	0.42	0.42
2017	LE FG DTL – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Kelp bass	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	PHLB	0.00	0.05	0.01	0.05	0.01
2017	LE FG DTL – Pot	ngf.	Other ngf.	Red rock crab	0.04	0.00	0.00	0.04	0.04
2017	LE FG DTL – Pot	ngf.	Other ngf.	Sail jellyfish	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE FG DTL – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Surfperch, unid.	0.00	0.02	0.02	0.02	0.02
2017	LE FG DTL – Pot	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE FG DTL – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE FG DTL – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.05	0.05	0.05	0.05
2017	LE Sablefish – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	1.56	26.39	26.39	27.95	27.95
2017	LE Sablefish – H&L	gf.	Big skate	Big skate	2.41	0.48	0.48	2.89	2.89
2017	LE Sablefish – H&L	gf.	Black rf. (CA)	Black rf.	0.67	0.00	0.00	0.67	0.67
2017	LE Sablefish – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.19	0.00	0.00	0.19	0.19
2017	LE Sablefish – H&L	gf.	Cabezon (CA)	Cabezon	0.18	0.00	0.00	0.18	0.18
2017	LE Sablefish – H&L	gf.	Canary rf.	Canary rf.	1.18	0.59	0.59	1.77	1.77
2017	LE Sablefish – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.06	0.11	0.11	0.17	0.17
2017	LE Sablefish – H&L	gf.	Darkblotched rf.	Darkblotched rf.	2.04	0.31	0.31	2.35	2.35
2017	LE Sablefish – H&L	gf.	Dover sole	Dover sole	1.31	0.69	0.69	2.00	2.00
2017	LE Sablefish – H&L	gf.	ECS	Aleutian skate	0.00	0.08	0.08	0.08	0.08
2017	LE Sablefish – H&L	gf.	ECS	Black skate	0.00	0.31	0.31	0.31	0.31
2017	LE Sablefish – H&L	gf.	ECS	CA skate	0.00	0.12	0.12	0.12	0.12
2017	LE Sablefish – H&L	gf.	ECS	Giant grenadier	0.00	0.89	0.89	0.89	0.89
2017	LE Sablefish – H&L	gf.	ECS	Grenadier, unid.	3.50	3.22	3.22	6.72	6.72
2017	LE Sablefish – H&L	gf.	ECS	Pacific flatnose	0.00	0.22	0.22	0.22	0.22
2017	LE Sablefish – H&L	gf.	ECS	Pacific grenadier	0.00	4.18	4.18	4.18	4.18
2017	LE Sablefish – H&L	gf.	ECS	Sandpaper skate	0.00	2.72	2.72	2.72	2.72
2017	LE Sablefish – H&L	gf.	ECS	Soupfin shark	0.00	0.46	0.46	0.46	0.46
2017	LE Sablefish – H&L	gf.	ECS	Spotted ratfish	0.00	2.72	2.72	2.72	2.72
2017	LE Sablefish – H&L	gf.	Lingcod (N of 40°10')	Lingcod	7.63	1.82	0.13	9.46	7.76
2017	LE Sablefish – H&L	gf.	Lingcod (S of 40°10')	Lingcod	3.42	0.07	0.00	3.49	3.43
2017	LE Sablefish – H&L	gf.	Longnose skate	Longnose skate	36.82	84.24	42.12	121.07	78.94
2017	LE Sablefish – H&L	gf.	LST (N of 34°27')	LST	1.01	0.73	0.73	1.74	1.74
2017	LE Sablefish – H&L	gf.	LST (S of 34°27')	LST	0.16	0.00	0.00	0.16	0.16
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.06	0.00	0.00	0.06	0.06
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.09	0.00	0.00	0.09	0.09
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.05	0.00	0.00	0.05	0.05
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	0.05	0.00	0.00	0.05	0.05
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.19	0.00	0.00	0.19	0.19
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.94	0.00	0.00	0.94	0.94
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.01	0.00	0.00	0.01	0.01
2017	LE Sablefish – H&L	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.42	0.00	0.00	0.42	0.42
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.50	0.07	0.07	0.57	0.57
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.36	0.12	0.12	0.48	0.48
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.02	0.02	0.02	0.02
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.16	0.82	0.82	0.98	0.98
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.05	0.05	0.05	0.05
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.07	0.34	0.34	0.41	0.41
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.60	0.65	0.65	1.25	1.25
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.04	0.00	0.00	0.04	0.04
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.07	0.00	0.00	0.07	0.07
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.52	0.00	0.00	0.52	0.52
2017	LE Sablefish – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.08	0.00	0.00	0.08	0.08
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.06	0.03	0.03	0.09	0.09
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	1.30	0.59	0.59	1.89	1.89
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	12.20	7.41	7.41	19.61	19.61
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	25.13	11.33	11.33	36.47	36.47
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.82	1.74	1.74	3.56	3.56
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.79	0.79	0.79	0.79
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.95	0.02	0.02	0.97	0.97
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	1.81	0.00	0.00	1.81	1.81
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.05	0.00	0.00	0.05	0.05
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	5.88	0.05	0.05	5.94	5.94
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.05	0.05	0.08	0.08
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.01	0.06	0.06	0.07	0.07
2017	LE Sablefish – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	2.52	0.00	0.00	2.52	2.52
2017	LE Sablefish – H&L	gf.	Mixed thornyheads	SST/LST	0.12	0.49	0.49	0.61	0.61
2017	LE Sablefish – H&L	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE Sablefish – H&L	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	gf.	Other gf.	Kelp greenling (CA)	0.06	0.00	0.00	0.06	0.06
2017	LE Sablefish – H&L	gf.	Pacific cod	Pacific cod	1.67	0.21	0.21	1.88	1.88
2017	LE Sablefish – H&L	gf.	Pacific hake	Pacific hake	0.01	0.23	0.23	0.24	0.24
2017	LE Sablefish – H&L	gf.	POP (N of 40°10')	POP	0.16	0.08	0.08	0.24	0.24
2017	LE Sablefish – H&L	gf.	Petrale sole	Petrale sole	0.77	0.23	0.23	1.00	1.00
2017	LE Sablefish – H&L	gf.	Sablefish (N of 36°)	Sablefish	1047.60	175.62	35.12	1223.22	1082.73
2017	LE Sablefish – H&L	gf.	Sablefish (S of 36°)	Sablefish	12.77	0.00	0.00	12.77	12.77
2017	LE Sablefish – H&L	gf.	SST (N of 34°27')	SST	24.32	3.14	3.14	27.47	27.47
2017	LE Sablefish – H&L	gf.	SST (S of 34°27')	SST	5.54	0.00	0.00	5.54	5.54
2017	LE Sablefish – H&L	gf.	Spiny dogfish	Spiny dogfish shark	0.21	107.35	53.68	107.57	53.89
2017	LE Sablefish – H&L	gf.	Widow rf.	Widow rf.	0.26	0.10	0.10	0.36	0.36
2017	LE Sablefish – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.83	0.83	0.83	0.83
2017	LE Sablefish – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.46	0.34	0.34	0.80	0.80
2017	LE Sablefish – H&L	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2017	LE Sablefish – H&L	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – H&L	ngf.	Other ngf.	Bigfin eelpout	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Blue shark	0.00	27.52	27.52	27.52	27.52
2017	LE Sablefish – H&L	ngf.	Other ngf.	Brachiopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Brown box crab	0.00	0.05	0.05	0.05	0.05
2017	LE Sablefish – H&L	ngf.	Other ngf.	Brown cat shark	0.00	1.08	1.08	1.08	1.08
2017	LE Sablefish – H&L	ngf.	Other ngf.	CA slickhead	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.17	0.17	0.17	0.17
2017	LE Sablefish – H&L	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Crinoid, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.49	0.49	0.49	0.49
2017	LE Sablefish – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.05	0.05	0.05	0.05
2017	LE Sablefish – H&L	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.03	0.03	0.03	0.03
2017	LE Sablefish – H&L	ngf.	Other ngf.	Mackerel, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Mushroom coral	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Octopus, unid.	0.00	0.02	0.02	0.02	0.02
2017	LE Sablefish – H&L	ngf.	Other ngf.	Pacific electric ray	0.00	0.06	0.06	0.06	0.06
2017	LE Sablefish – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE Sablefish – H&L	ngf.	Other ngf.	PHLB	21.63	292.66	37.78	314.29	59.41
2017	LE Sablefish – H&L	ngf.	Other ngf.	Pacific sleeper shark	0.00	19.77	19.77	19.77	19.77
2017	LE Sablefish – H&L	ngf.	Other ngf.	Pelagic thresher shark	0.00	0.08	0.08	0.08	0.08
2017	LE Sablefish – H&L	ngf.	Other ngf.	Red rock crab	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Salmon shark	0.00	0.30	0.30	0.30	0.30
2017	LE Sablefish – H&L	ngf.	Other ngf.	Salp, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.06	0.06	0.06	0.06
2017	LE Sablefish – H&L	ngf.	Other ngf.	Shark, unid.	0.30	1.85	1.85	2.15	2.15
2017	LE Sablefish – H&L	ngf.	Other ngf.	Skate, unid.	0.44	0.61	0.61	1.04	1.04
2017	LE Sablefish – H&L	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Spongy gorgonian	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2017	LE Sablefish – H&L	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.02	0.02	0.02	0.02
2017	LE Sablefish – H&L	ngf.	Shared ECS	Smelt, unid.	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – H&L	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – H&L	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.10	0.10	0.10	0.10
2017	LE Sablefish – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.02	0.20	0.20	0.22	0.22
2017	LE Sablefish – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.01	0.01	0.01	0.03	0.03
2017	LE Sablefish – Pot	gf.	Dover sole	Dover sole	0.27	0.02	0.02	0.28	0.28
2017	LE Sablefish – Pot	gf.	ECS	Giant grenadier	0.00	0.43	0.43	0.43	0.43
2017	LE Sablefish – Pot	gf.	ECS	Grenadier, unid.	0.00	0.09	0.09	0.09	0.09
2017	LE Sablefish – Pot	gf.	ECS	Pacific flatnose	0.00	0.03	0.03	0.03	0.03
2017	LE Sablefish – Pot	gf.	ECS	Pacific grenadier	0.00	0.09	0.09	0.09	0.09
2017	LE Sablefish – Pot	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.91	0.01	0.01	1.92	1.92
2017	LE Sablefish – Pot	gf.	Lingcod (S of 40°10')	Lingcod	0.35	0.00	0.00	0.35	0.35
2017	LE Sablefish – Pot	gf.	Longnose skate	Longnose skate	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – Pot	gf.	LST (N of 34°27')	LST	0.01	0.01	0.01	0.03	0.03
2017	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2017	LE Sablefish – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.49	0.00	0.00	0.50	0.50
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.36	0.02	0.02	0.38	0.38
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.08	0.00	0.00	0.08	0.08
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.17	0.00	0.00	0.17	0.17
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.03	0.00	0.00	0.03	0.03
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.02	0.00	0.00	0.02	0.02
2017	LE Sablefish – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.14	0.01	0.01	0.15	0.15
2017	LE Sablefish – Pot	gf.	Mixed thornyheads	SST/LST	0.07	0.00	0.00	0.07	0.07
2017	LE Sablefish – Pot	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Petrale sole	Petrale sole	0.01	0.00	0.00	0.01	0.01
2017	LE Sablefish – Pot	gf.	Sablefish (N of 36°)	Sablefish	375.48	53.99	10.80	429.47	386.28
2017	LE Sablefish – Pot	gf.	SST (N of 34°27')	SST	0.54	0.01	0.01	0.55	0.55
2017	LE Sablefish – Pot	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.03	0.03	0.03	0.03
2017	LE Sablefish – Pot	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Dungeness crab	Dungeness crab	0.00	0.36	0.36	0.36	0.36
2017	LE Sablefish – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.02	0.02	0.02	0.02
2017	LE Sablefish – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	ngf.	Other ngf.	*Anthoptilum grandiflorum*	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Bamboo coral	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Black coral	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Brown box crab	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Deepsea spider crab	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Eelpout, unid.	0.00	0.03	0.03	0.03	0.03
2017	LE Sablefish – Pot	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Giant wrymouth	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	ngf.	Other ngf.	Hagfish, unid.	0.17	0.00	0.00	0.18	0.18
2017	LE Sablefish – Pot	ngf.	Other ngf.	Hair crab	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	PHLB	0.00	0.90	0.16	0.90	0.16
2017	LE Sablefish – Pot	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.13	0.13	0.13	0.13
2017	LE Sablefish – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	LE Sablefish – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2017	LE Sablefish – Pot	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Soft coral	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Spiny lithode crab	0.00	0.00	0.00	0.00	0.00
2017	LE Sablefish – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2017	LE Sablefish – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	5.15	5.15	5.15	5.15
2017	LE Sablefish – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	2.92	2.92	2.92	2.92
2017	MW Hake	gf.	Arrowtooth flounder	Arrowtooth flounder	0.56	0.00	0.00	0.56	0.56
2017	MW Hake	gf.	Big skate	Big skate	0.20	0.00	0.00	0.20	0.20
2017	MW Hake	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Canary rf.	Canary rf.	9.71	0.01	0.01	9.72	9.72
2017	MW Hake	gf.	Darkblotched rf.	Darkblotched rf.	1.61	0.00	0.00	1.61	1.61
2017	MW Hake	gf.	ECS	Soupfin shark	0.09	0.00	0.00	0.09	0.09
2017	MW Hake	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Lingcod (N of 40°10')	Lingcod	0.61	0.01	0.01	0.61	0.61
2017	MW Hake	gf.	Longnose skate	Longnose skate	0.07	0.00	0.00	0.07	0.07
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.30	0.00	0.00	0.30	0.30
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	2.57	0.00	0.00	2.57	2.57
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.01	0.00	0.00	0.01	0.01
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.88	0.00	0.00	0.88	0.88
2017	MW Hake	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.16	0.00	0.00	0.16	0.16
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.15	0.00	0.00	0.15	0.15
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.89	0.00	0.00	0.89	0.89
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	2.20	0.00	0.00	2.20	2.20
2017	MW Hake	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Other flatfish	Rex sole	0.01	0.00	0.00	0.01	0.01
2017	MW Hake	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2017	MW Hake	gf.	Pacific cod	Pacific cod	0.11	0.00	0.00	0.11	0.11
2017	MW Hake	gf.	Pacific hake	Pacific hake	10991.27	110.44	110.44	11101.71	11101.71
2017	MW Hake	gf.	POP (N of 40°10')	POP	1.06	0.00	0.00	1.06	1.06
2017	MW Hake	gf.	Sablefish (N of 36°)	Sablefish	5.77	0.00	0.00	5.77	5.77
2017	MW Hake	gf.	Shortbelly rf.	Shortbelly rf.	4.74	0.46	0.46	5.20	5.20

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Hake	gf.	SST (N of 34°27')	SST	0.07	0.00	0.00	0.07	0.07
2017	MW Hake	gf.	Spiny dogfish	Spiny dogfish shark	11.01	0.00	0.00	11.01	11.01
2017	MW Hake	gf.	Widow rf.	Widow rf.	62.87	0.00	0.00	62.87	62.87
2017	MW Hake	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	105.38	0.08	0.08	105.46	105.46
2017	MW Hake	ngf.	Other ngf.	American shad	47.41	0.00	0.00	47.41	47.41
2017	MW Hake	ngf.	Other ngf.	Blue shark	0.23	0.00	0.00	0.23	0.23
2017	MW Hake	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.74	0.74	0.74	0.74
2017	MW Hake	ngf.	Other ngf.	Jack mackerel	40.93	0.00	0.00	40.93	40.93
2017	MW Hake	ngf.	Other ngf.	Mackerel, unid.	0.00	0.14	0.14	0.14	0.14
2017	MW Hake	ngf.	Other ngf.	Market squid	0.01	0.00	0.00	0.01	0.01
2017	MW Hake	ngf.	Other ngf.	Mixed species	0.04	0.00	0.00	0.04	0.04
2017	MW Hake	ngf.	Other ngf.	PHLB	0.04	0.00	0.00	0.04	0.04
2017	MW Hake	ngf.	Other ngf.	Pacific herring	0.35	0.00	0.00	0.35	0.35
2017	MW Hake	ngf.	Other ngf.	Pacific mackerel	2.68	0.00	0.00	2.68	2.68
2017	MW Hake	ngf.	Other ngf.	Pacific sardine	0.07	0.00	0.00	0.07	0.07
2017	MW Hake	ngf.	Other ngf.	Salmon shark	0.00	0.08	0.08	0.08	0.08
2017	MW Hake	ngf.	Other ngf.	Shark, unid.	0.18	0.00	0.00	0.18	0.18
2017	MW Hake	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2017	MW Hake	ngf.	Other ngf.	Squid, unid.	1.06	0.00	0.00	1.06	1.06
2017	MW Hake	ngf.	Other ngf.	Walleye pollock	0.12	0.00	0.00	0.12	0.12
2017	MW Hake	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.07	0.07	0.07	0.07
2017	MW Hake EM	gf.	Arrowtooth flounder	Arrowtooth flounder	6.24	0.05	0.05	6.29	6.29
2017	MW Hake EM	gf.	Big skate	Big skate	1.13	0.01	0.01	1.13	1.13
2017	MW Hake EM	gf.	Canary rf.	Canary rf.	64.01	0.54	0.54	64.55	64.55
2017	MW Hake EM	gf.	Darkblotched rf.	Darkblotched rf.	30.95	0.46	0.46	31.40	31.40
2017	MW Hake EM	gf.	Dover sole	Dover sole	0.01	0.00	0.00	0.01	0.01
2017	MW Hake EM	gf.	ECS	Soupfin shark	0.45	0.00	0.00	0.45	0.45
2017	MW Hake EM	gf.	English sole	English sole	0.01	0.00	0.00	0.01	0.01
2017	MW Hake EM	gf.	Groundfish unid	Groundfish, unid.	0.19	0.00	0.00	0.19	0.19
2017	MW Hake EM	gf.	Lingcod (N of 40°10')	Lingcod	7.17	0.12	0.12	7.30	7.30
2017	MW Hake EM	gf.	Longnose skate	Longnose skate	0.35	0.00	0.00	0.35	0.35
2017	MW Hake EM	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	4.42	0.04	0.04	4.46	4.46
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	48.45	0.20	0.20	48.65	48.65
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.09	0.00	0.00	0.09	0.09
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.08	0.00	0.00	0.08	0.08
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	15.03	0.08	0.08	15.11	15.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.02	0.00	0.00	0.02	0.02
2017	MW Hake EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	3.99	0.02	0.02	4.01	4.01
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.37	0.01	0.01	0.38	0.38
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	2.33	0.01	0.01	2.34	2.34
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	2.24	0.01	0.01	2.26	2.26
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.07	0.00	0.00	0.07	0.07
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	5.46	0.00	0.00	5.46	5.46
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	34.78	0.04	0.04	34.81	34.81
2017	MW Hake EM	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.04	0.00	0.00	0.04	0.04
2017	MW Hake EM	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2017	MW Hake EM	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Other flatfish	Rex sole	0.04	0.00	0.00	0.04	0.04
2017	MW Hake EM	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Other rf.	Rockfish, unid.	0.00	0.01	0.01	0.01	0.01
2017	MW Hake EM	gf.	Pacific cod	Pacific cod	0.59	0.01	0.01	0.60	0.60
2017	MW Hake EM	gf.	Pacific hake	Pacific hake	133134.74	1679.08	1679.08	134813.82	134813.82
2017	MW Hake EM	gf.	POP (N of 40°10')	POP	46.02	0.37	0.37	46.39	46.39
2017	MW Hake EM	gf.	Petrale sole	Petrale sole	0.04	0.00	0.00	0.04	0.04
2017	MW Hake EM	gf.	Roundfish unid	Roundfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	MW Hake EM	gf.	Sablefish (N of 36°)	Sablefish	91.27	1.47	1.47	92.74	92.74
2017	MW Hake EM	gf.	Shortbelly rf.	Shortbelly rf.	119.91	0.20	0.20	120.11	120.11
2017	MW Hake EM	gf.	SST (N of 34°27')	SST	0.98	0.01	0.01	0.99	0.99
2017	MW Hake EM	gf.	Spiny dogfish	Spiny dogfish shark	89.21	1.44	1.44	90.65	90.65
2017	MW Hake EM	gf.	Widow rf.	Widow rf.	906.64	3.65	3.65	910.29	910.29
2017	MW Hake EM	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1191.08	8.55	8.55	1199.63	1199.63
2017	MW Hake EM	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	ngf.	Other ngf.	American shad	331.86	2.62	2.62	334.48	334.48
2017	MW Hake EM	ngf.	Other ngf.	Blue shark	1.01	0.01	0.01	1.02	1.02
2017	MW Hake EM	ngf.	Other ngf.	Brown cat shark	0.41	0.00	0.00	0.41	0.41
2017	MW Hake EM	ngf.	Other ngf.	Common thresher shark	0.11	0.00	0.00	0.11	0.11
2017	MW Hake EM	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	ngf.	Other ngf.	Jack mackerel	307.77	1.64	1.64	309.41	309.41
2017	MW Hake EM	ngf.	Other ngf.	Mackerel, unid.	0.04	0.00	0.00	0.04	0.04
2017	MW Hake EM	ngf.	Other ngf.	Market squid	0.03	0.00	0.00	0.03	0.03
2017	MW Hake EM	ngf.	Other ngf.	Mixed species	1.13	0.01	0.01	1.14	1.14
2017	MW Hake EM	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	ngf.	Other ngf.	Octopus, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Hake EM	ngf.	Other ngf.	PHLB	0.46	0.46	0.46	0.92	0.92
2017	MW Hake EM	ngf.	Other ngf.	Pacific herring	35.58	0.03	0.03	35.61	35.61
2017	MW Hake EM	ngf.	Other ngf.	Pacific mackerel	46.68	0.08	0.08	46.76	46.76
2017	MW Hake EM	ngf.	Other ngf.	Pacific sardine	0.56	0.00	0.00	0.56	0.56
2017	MW Hake EM	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2017	MW Hake EM	ngf.	Other ngf.	Sea cucumber, unid.	0.01	0.00	0.00	0.01	0.01
2017	MW Hake EM	ngf.	Other ngf.	Shark, unid.	2.22	0.01	0.01	2.23	2.23
2017	MW Hake EM	ngf.	Other ngf.	Skate, unid.	0.11	0.00	0.00	0.11	0.11
2017	MW Hake EM	ngf.	Other ngf.	Squid, unid.	16.82	0.16	0.16	16.98	16.98
2017	MW Hake EM	ngf.	Other ngf.	Walleye pollock	9.91	0.25	0.25	10.16	10.16
2017	MW Rf.	gf.	Arrowtooth flounder	Arrowtooth flounder	0.77	0.00	0.00	0.77	0.77
2017	MW Rf.	gf.	Big skate	Big skate	1.22	0.00	0.00	1.22	1.22
2017	MW Rf.	gf.	Black rf. (OR)	Black rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Canary rf.	Canary rf.	16.89	0.00	0.00	16.89	16.89
2017	MW Rf.	gf.	Darkblotched rf.	Darkblotched rf.	0.18	0.00	0.00	0.19	0.19
2017	MW Rf.	gf.	Dover sole	Dover sole	0.05	0.00	0.00	0.05	0.05
2017	MW Rf.	gf.	ECS	Sandpaper skate	0.00	0.13	0.13	0.13	0.13
2017	MW Rf.	gf.	ECS	Spotted ratfish	0.31	0.58	0.58	0.89	0.89
2017	MW Rf.	gf.	English sole	English sole	0.22	0.00	0.00	0.22	0.22
2017	MW Rf.	gf.	Lingcod (N of 40°10')	Lingcod	1.68	0.03	0.03	1.71	1.71
2017	MW Rf.	gf.	Longnose skate	Longnose skate	1.46	0.02	0.02	1.48	1.48
2017	MW Rf.	gf.	LST (N of 34°27')	LST	0.05	0.00	0.00	0.05	0.05
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	2.50	0.00	0.00	2.50	2.50
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.82	0.00	0.00	0.82	0.82
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.06	0.00	0.00	0.06	0.06
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.01	0.00	0.00	0.01	0.01
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	5.96	0.00	0.00	5.96	5.96
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.04	0.00	0.00	0.04	0.04
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.47	0.00	0.00	0.47	0.47
2017	MW Rf.	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.43	0.00	0.00	0.43	0.43
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.10	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.19	0.00	0.00	0.19	0.19
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	1.11	0.00	0.00	1.11	1.11
2017	MW Rf.	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Other flatfish	Flathead sole	0.27	0.00	0.00	0.27	0.27
2017	MW Rf.	gf.	Other flatfish	Pacific sanddab	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	gf.	Other flatfish	Rex sole	0.80	0.00	0.00	0.80	0.80
2017	MW Rf.	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Pacific cod	Pacific cod	0.47	0.00	0.00	0.47	0.47
2017	MW Rf.	gf.	Pacific hake	Pacific hake	123.33	16.91	16.91	140.24	140.24
2017	MW Rf.	gf.	POP (N of 40°10')	POP	0.13	0.00	0.00	0.13	0.13
2017	MW Rf.	gf.	Petrale sole	Petrale sole	0.19	0.00	0.00	0.19	0.19
2017	MW Rf.	gf.	Sablefish (N of 36°)	Sablefish	0.33	0.02	0.02	0.35	0.35
2017	MW Rf.	gf.	Shortbelly rf.	Shortbelly rf.	3.41	0.00	0.00	3.41	3.41
2017	MW Rf.	gf.	SST (N of 34°27')	SST	0.03	0.00	0.00	0.03	0.03
2017	MW Rf.	gf.	Spiny dogfish	Spiny dogfish shark	0.12	0.04	0.04	0.16	0.16
2017	MW Rf.	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Widow rf.	Widow rf.	3589.81	0.01	0.01	3589.82	3589.82
2017	MW Rf.	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	667.74	0.00	0.00	667.74	667.74
2017	MW Rf.	ngf.	Dungeness crab	Dungeness crab	0.00	0.10	0.10	0.10	0.10
2017	MW Rf.	ngf.	Non-FMP flatfish	Slender sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	American shad	0.12	0.01	0.01	0.13	0.13
2017	MW Rf.	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02
2017	MW Rf.	ngf.	Other ngf.	Basket starfish	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	Bigfin eelpout	0.00	0.04	0.04	0.04	0.04
2017	MW Rf.	ngf.	Other ngf.	Blue shark	0.03	0.00	0.00	0.03	0.03
2017	MW Rf.	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	Jack mackerel	2.23	0.35	0.35	2.58	2.58
2017	MW Rf.	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	Mackerel, unid.	0.00	0.01	0.01	0.01	0.01
2017	MW Rf.	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.02	0.02	0.02	0.02
2017	MW Rf.	ngf.	Other ngf.	Octopus, unid.	0.04	0.00	0.00	0.04	0.04
2017	MW Rf.	ngf.	Other ngf.	PHLB	0.01	0.03	0.03	0.04	0.04

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Rf.	ngf.	Other ngf.	Pacific herring	2.05	0.00	0.00	2.05	2.05
2017	MW Rf.	ngf.	Other ngf.	Pacific mackerel	0.16	0.01	0.01	0.17	0.17
2017	MW Rf.	ngf.	Other ngf.	Pacific sardine	0.02	1.05	1.05	1.07	1.07
2017	MW Rf.	ngf.	Other ngf.	Salp, unid.	0.00	0.02	0.02	0.02	0.02
2017	MW Rf.	ngf.	Other ngf.	Sculpin, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf.	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.04	0.04	0.04	0.04
2017	MW Rf.	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2017	MW Rf.	ngf.	Other ngf.	Skate, unid.	0.01	0.00	0.00	0.01	0.01
2017	MW Rf.	ngf.	Other ngf.	Squid, unid.	0.02	0.00	0.00	0.02	0.02
2017	MW Rf.	ngf.	Other ngf.	Walleye pollock	0.05	0.00	0.00	0.05	0.05
2017	MW Rf.	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.09	0.09	0.09	0.09
2017	MW Rf. EM	gf.	Arrowtooth flounder	Arrowtooth flounder	0.01	0.00	0.00	0.01	0.01
2017	MW Rf. EM	gf.	Big skate	Big skate	0.04	0.00	0.00	0.04	0.04
2017	MW Rf. EM	gf.	Canary rf.	Canary rf.	17.51	0.00	0.00	17.51	17.51
2017	MW Rf. EM	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2017	MW Rf. EM	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Lingcod (N of 40°10')	Lingcod	0.71	0.00	0.00	0.72	0.72
2017	MW Rf. EM	gf.	Longnose skate	Longnose skate	0.03	0.00	0.00	0.03	0.03
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.32	0.00	0.00	0.33	0.33
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	3.42	0.00	0.00	3.42	3.42
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.05	0.00	0.00	0.05	0.05
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.01	0.00	0.00	0.01	0.01
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	4.06	0.00	0.00	4.06	4.06
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.12	0.00	0.00	0.12	0.12
2017	MW Rf. EM	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.01	0.00	0.00	0.01	0.01
2017	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.03	0.00	0.00	0.03	0.03
2017	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.00	0.00	0.01	0.01
2017	MW Rf. EM	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Other rf.	Rockfish, unid.	0.00	0.68	0.68	0.68	0.68
2017	MW Rf. EM	gf.	Pacific cod	Pacific cod	0.18	0.00	0.00	0.18	0.18
2017	MW Rf. EM	gf.	Pacific hake	Pacific hake	158.68	5.16	5.16	163.84	163.84
2017	MW Rf. EM	gf.	POP (N of 40°10')	POP	0.07	0.00	0.00	0.07	0.07
2017	MW Rf. EM	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Sablefish (N of 36°)	Sablefish	0.07	0.00	0.00	0.07	0.07
2017	MW Rf. EM	gf.	Shortbelly rf.	Shortbelly rf.	0.23	0.00	0.00	0.23	0.23

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	MW Rf. EM	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2017	MW Rf. EM	gf.	Spiny dogfish	Spiny dogfish shark	0.01	0.00	0.00	0.01	0.01
2017	MW Rf. EM	gf.	Widow rf.	Widow rf.	1257.71	9.73	9.73	1267.45	1267.45
2017	MW Rf. EM	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	285.13	0.83	0.83	285.96	285.96
2017	MW Rf. EM	ngf.	Other ngf.	American shad	4.10	0.00	0.00	4.10	4.10
2017	MW Rf. EM	ngf.	Other ngf.	Blue shark	0.02	0.00	0.00	0.02	0.02
2017	MW Rf. EM	ngf.	Other ngf.	Jack mackerel	0.48	0.00	0.00	0.48	0.48
2017	MW Rf. EM	ngf.	Other ngf.	Mixed species	0.02	0.00	0.00	0.02	0.02
2017	MW Rf. EM	ngf.	Other ngf.	Pacific herring	0.47	0.00	0.00	0.47	0.47
2017	MW Rf. EM	ngf.	Other ngf.	Pacific mackerel	0.03	0.00	0.00	0.03	0.03
2017	MW Rf. EM	ngf.	Other ngf.	Squid, unid.	0.03	0.00	0.00	0.03	0.03
2017	MW Rf. EM	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Big skate	Big skate	0.06	0.43	0.03	0.49	0.09
2017	Nearshore	gf.	Black rf. (CA)	Black rf.	41.68	1.23	0.37	42.90	42.05
2017	Nearshore	gf.	Black rf. (CA)	Nearshore rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	Black rf. (OR)	Black rf.	106.61	7.16	1.63	113.76	108.23
2017	Nearshore	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.77	0.00	0.00	0.77	0.77
2017	Nearshore	gf.	Cabezon (CA)	Cabezon	20.85	2.36	0.17	23.21	21.02
2017	Nearshore	gf.	Cabezon (OR)	Cabezon	25.14	1.31	0.09	26.45	25.23
2017	Nearshore	gf.	CA scorpionfish (N of 34°27')	CA scorpionfish	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.08	0.49	0.03	0.57	0.11
2017	Nearshore	gf.	Canary rf.	Canary rf.	4.53	3.37	2.32	7.90	6.85
2017	Nearshore	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	ECS	CA skate	0.00	0.03	0.00	0.03	0.00
2017	Nearshore	gf.	ECS	Soupfin shark	0.66	0.05	0.00	0.72	0.67
2017	Nearshore	gf.	ECS	Spotted ratfish	0.00	0.09	0.01	0.10	0.01
2017	Nearshore	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Lingcod (N of 40°10')	Lingcod	55.05	26.89	1.88	81.94	56.94
2017	Nearshore	gf.	Lingcod (S of 40°10')	Lingcod	22.57	13.33	0.93	35.90	23.50
2017	Nearshore	gf.	Longnose skate	Longnose skate	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	gf.	LST (N of 34°27')	LST	0.47	0.00	0.00	0.47	0.47
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Black and yellow rf.	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	9.07	6.16	2.10	15.23	11.16
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Brown rf.	0.04	0.00	0.00	0.04	0.04
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	China rf.	3.92	0.91	0.26	4.83	4.19
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	2.92	0.10	0.04	3.01	2.96
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Gopher rf.	0.03	0.00	0.00	0.04	0.03
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.10	0.00	0.00	0.10	0.10
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.08	0.00	0.00	0.09	0.08

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Nearshore	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	2.81	0.46	0.18	3.26	2.99
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	12.87	0.43	0.24	13.30	13.11
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	7.53	1.44	0.92	8.97	8.45
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	17.84	2.04	1.32	19.88	19.16
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	China rf.	1.25	1.00	0.68	2.25	1.93
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	7.10	0.20	0.15	7.30	7.26
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	25.42	1.93	1.34	27.35	26.76
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	10.42	0.05	0.03	10.47	10.45
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.68	0.05	0.03	0.74	0.71
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.20	0.00	0.00	0.20	0.20
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.23	0.12	0.08	0.35	0.31
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.32	0.00	0.00	0.32	0.32
2017	Nearshore	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	2.31	0.65	0.40	2.97	2.71
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.03	0.03	0.03	0.03
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.07	0.00	0.00	0.07	0.07
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.25	0.00	0.00	0.25	0.25
2017	Nearshore	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	3.91	0.23	0.10	4.14	4.02
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.10	0.10	0.10	0.10
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.04	0.00	0.00	0.04	0.04
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.11	0.02	0.02	0.13	0.13
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.03	0.03	0.03	0.03
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.07	0.00	0.00	0.07	0.07
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.03	0.00	0.00	0.03	0.03
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.05	0.00	0.00	0.06	0.06
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.09	0.02	0.02	0.11	0.11
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.35	0.00	0.00	0.35	0.35
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.13	0.00	0.00	0.13	0.13
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.02	0.01	0.01	0.03	0.03
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.30	0.02	0.02	0.32	0.32
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	10.98	0.02	0.01	11.00	10.99

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Nearshore	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.64	0.31	0.21	0.95	0.85
2017	Nearshore	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.93	0.00	0.00	0.93	0.93
2017	Nearshore	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.06	0.00	0.00	0.06	0.06
2017	Nearshore	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Other flatfish	Flatfish, unid.	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	gf.	Other flatfish	Pacific sanddab	0.01	0.11	0.01	0.12	0.02
2017	Nearshore	gf.	Other flatfish	Rock sole	0.03	0.02	0.00	0.05	0.03
2017	Nearshore	gf.	Other flatfish	Sand sole	0.14	0.01	0.00	0.14	0.14
2017	Nearshore	gf.	Other flatfish	Sanddab, unid.	0.14	0.00	0.00	0.14	0.14
2017	Nearshore	gf.	Other gf.	Kelp greenling (CA)	3.52	0.24	0.02	3.76	3.53
2017	Nearshore	gf.	Other gf.	Kelp greenling (OR)	8.21	0.44	0.03	8.65	8.24
2017	Nearshore	gf.	Other gf.	Leopard shark	0.41	0.00	0.00	0.41	0.41
2017	Nearshore	gf.	Other rf.	Rockfish, unid.	0.27	0.00	0.00	0.27	0.27
2017	Nearshore	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Sablefish (N of 36°)	Sablefish	1.10	0.00	0.00	1.10	1.10
2017	Nearshore	gf.	Sablefish (S of 36°)	Sablefish	12.53	0.00	0.00	12.53	12.53
2017	Nearshore	gf.	SST (N of 34°27')	SST	3.38	0.00	0.00	3.38	3.38
2017	Nearshore	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	gf.	Spiny dogfish	Spiny dogfish shark	0.06	1.34	0.09	1.41	0.16
2017	Nearshore	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	gf.	Starry flounder	Starry flounder	0.04	0.00	0.00	0.04	0.04
2017	Nearshore	gf.	Widow rf.	Widow rf.	0.74	0.09	0.06	0.83	0.80
2017	Nearshore	gf.	Yelloweye rf.	Yelloweye rf.	0.01	4.17	2.11	4.18	2.12
2017	Nearshore	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	1.11	0.75	0.17	1.87	1.28
2017	Nearshore	ngf.	CA halibut	CA halibut	0.53	0.00	0.00	0.53	0.53
2017	Nearshore	ngf.	Dungeness crab	Dungeness crab	2.08	0.12	0.12	2.21	2.21
2017	Nearshore	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Albacore tuna	0.09	0.00	0.00	0.09	0.09
2017	Nearshore	ngf.	Other ngf.	Anemone, unid.	0.00	0.05	0.05	0.05	0.05
2017	Nearshore	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Barred sand bass	0.00	4.79	4.79	4.79	4.79
2017	Nearshore	ngf.	Other ngf.	Basket starfish	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Bat ray	0.53	0.02	0.02	0.55	0.55
2017	Nearshore	ngf.	Other ngf.	Black surfperch	0.00	1.92	1.92	1.92	1.92
2017	Nearshore	ngf.	Other ngf.	Blacksmith	0.00	0.12	0.12	0.12	0.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Nearshore	ngf.	Other ngf.	Blue shark	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Bluefin tuna	0.22	0.00	0.00	0.22	0.22
2017	Nearshore	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.31	0.31	0.31	0.31
2017	Nearshore	ngf.	Other ngf.	Buffalo sculpin	0.00	0.17	0.17	0.17	0.17
2017	Nearshore	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	CA sheephead	19.90	57.05	57.05	76.95	76.95
2017	Nearshore	ngf.	Other ngf.	CA spiny lobster	1.36	0.00	0.00	1.36	1.36
2017	Nearshore	ngf.	Other ngf.	Chiton, unid.	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Combfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Common thresher shark	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Crab, unid.	0.90	0.00	0.00	0.90	0.90
2017	Nearshore	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.02	0.02	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Garibaldi	0.00	0.67	0.67	0.67	0.67
2017	Nearshore	ngf.	Other ngf.	Giant kelpfish	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Halfmoon	0.00	0.03	0.03	0.03	0.03
2017	Nearshore	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.02	0.02	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Kelp bass	0.00	27.37	27.37	27.37	27.37
2017	Nearshore	ngf.	Other ngf.	Kelpfish, unid.	0.00	0.03	0.03	0.03	0.03
2017	Nearshore	ngf.	Other ngf.	King crab, unid.	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Long-armed spider crab	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Mackerel, unid.	0.21	0.00	0.00	0.21	0.21
2017	Nearshore	ngf.	Other ngf.	Market squid	0.08	0.00	0.00	0.08	0.08
2017	Nearshore	ngf.	Other ngf.	Mixed species	2.00	0.00	0.00	2.00	2.00
2017	Nearshore	ngf.	Other ngf.	Mollusc, unid.	2.95	0.01	0.01	2.96	2.96
2017	Nearshore	ngf.	Other ngf.	Monkeyface prickleback	0.01	0.00	0.00	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Ocean whitefish	0.00	0.57	0.57	0.57	0.57
2017	Nearshore	ngf.	Other ngf.	Octopus, unid.	0.85	0.36	0.36	1.21	1.21
2017	Nearshore	ngf.	Other ngf.	Pacific bonito	0.02	0.00	0.00	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Pacific hagfish	0.00	0.02	0.02	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	PHLB	0.00	1.55	1.55	1.55	1.55
2017	Nearshore	ngf.	Other ngf.	Pacific mackerel	0.13	0.00	0.00	0.13	0.13
2017	Nearshore	ngf.	Other ngf.	Pacific rock crab	0.00	0.12	0.12	0.12	0.12

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Nearshore	ngf.	Other ngf.	Pacific tomcod	0.09	0.00	0.00	0.09	0.09
2017	Nearshore	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Rainbow surfperch	0.00	0.04	0.04	0.04	0.04
2017	Nearshore	ngf.	Other ngf.	Red Irish lord sculpin	0.00	0.12	0.12	0.12	0.12
2017	Nearshore	ngf.	Other ngf.	Red rock crab	24.85	0.81	0.81	25.67	25.67
2017	Nearshore	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	Sculpin, unid.	0.00	0.15	0.15	0.15	0.15
2017	Nearshore	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.27	0.27	0.27	0.27
2017	Nearshore	ngf.	Other ngf.	Sea star, unid.	0.00	1.03	1.03	1.03	1.03
2017	Nearshore	ngf.	Other ngf.	Shark, unid.	0.54	0.00	0.00	0.54	0.54
2017	Nearshore	ngf.	Other ngf.	Skate, unid.	0.11	0.00	0.00	0.11	0.11
2017	Nearshore	ngf.	Other ngf.	Spot prawn	3.13	0.00	0.00	3.13	3.13
2017	Nearshore	ngf.	Other ngf.	Starry skate	0.00	0.01	0.01	0.01	0.01
2017	Nearshore	ngf.	Other ngf.	Striped surfperch	0.00	0.02	0.02	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Surfperch, unid.	0.09	0.00	0.00	0.09	0.09
2017	Nearshore	ngf.	Other ngf.	Swell shark	0.00	0.02	0.02	0.02	0.02
2017	Nearshore	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.14	0.14	0.14	0.14
2017	Nearshore	ngf.	Other ngf.	Urchin, unid.	0.00	0.03	0.03	0.03	0.03
2017	Nearshore	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2017	Nearshore	ngf.	Other ngf.	White sea bass	0.29	0.00	0.00	0.29	0.29
2017	Nearshore	ngf.	Other ngf.	Wolf-eel	0.28	0.31	0.31	0.59	0.59
2017	Nearshore	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2017	Nearshore	ngf.	Other ngf.	Yellowtail amberjack	0.06	0.00	0.00	0.06	0.06
2017	Nearshore	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Big skate	Big skate	1.92	36.11	18.06	38.03	19.98
2017	OA CA Halibut	gf.	Cabezon (CA)	Cabezon	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.40	0.40	0.40	0.40
2017	OA CA Halibut	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	Dover sole	Dover sole	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	ECS	CA skate	0.14	19.95	19.95	20.08	20.08
2017	OA CA Halibut	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	ECS	Soupfin shark	0.03	0.90	0.90	0.93	0.93
2017	OA CA Halibut	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	English sole	English sole	0.07	2.42	2.42	2.49	2.49
2017	OA CA Halibut	gf.	Lingcod (S of 40°10')	Lingcod	0.60	0.97	0.48	1.57	1.09
2017	OA CA Halibut	gf.	Longnose skate	Longnose skate	0.00	0.43	0.22	0.43	0.22
2017	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.18	0.18	0.18	0.18
2017	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.01	0.01	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.01	0.01	0.02	0.02
2017	OA CA Halibut	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	gf.	Other flatfish	Curlfin sole	0.51	1.56	1.56	2.07	2.07
2017	OA CA Halibut	gf.	Other flatfish	Flatfish, unid.	0.13	0.02	0.02	0.15	0.15
2017	OA CA Halibut	gf.	Other flatfish	Pacific sanddab	0.04	1.16	1.16	1.20	1.20
2017	OA CA Halibut	gf.	Other flatfish	Rex sole	0.00	0.03	0.03	0.03	0.03
2017	OA CA Halibut	gf.	Other flatfish	Rock sole	0.19	0.03	0.03	0.22	0.22
2017	OA CA Halibut	gf.	Other flatfish	Sand sole	4.75	0.68	0.68	5.43	5.43
2017	OA CA Halibut	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Other gf.	Leopard shark	0.00	5.54	5.54	5.54	5.54
2017	OA CA Halibut	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	gf.	Petrale sole	Petrale sole	2.64	0.51	0.51	3.15	3.15
2017	OA CA Halibut	gf.	Spiny dogfish	Spiny dogfish shark	0.00	5.56	5.56	5.56	5.56
2017	OA CA Halibut	gf.	Starry flounder	Starry flounder	3.53	1.03	1.03	4.56	4.56
2017	OA CA Halibut	ngf.	CA halibut	CA halibut	96.43	20.01	20.01	116.44	116.44
2017	OA CA Halibut	ngf.	Dungeness crab	Dungeness crab	0.00	114.54	114.54	114.54	114.54
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.06	0.06	0.06	0.06
2017	OA CA Halibut	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Diamond turbot	0.00	0.04	0.04	0.04	0.04
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Fantail sole	0.05	1.95	1.95	2.00	2.00
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	1.37	1.37	1.37	1.37
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.25	0.25	0.25	0.25
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Slender sole	0.07	0.00	0.00	0.07	0.07
2017	OA CA Halibut	ngf.	Non-FMP flatfish	Speckled sanddab	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	American shad	0.00	0.06	0.06	0.06	0.06
2017	OA CA Halibut	ngf.	Other ngf.	Anchovy, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Anemone, unid.	0.00	2.94	2.94	2.94	2.94
2017	OA CA Halibut	ngf.	Other ngf.	Anglerfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	OA CA Halibut	ngf.	Other ngf.	Armed box crab	0.00	0.20	0.20	0.20	0.20
2017	OA CA Halibut	ngf.	Other ngf.	Barred sand bass	0.00	0.11	0.11	0.11	0.11

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA CA Halibut	ngf.	Other ngf.	Bat ray	0.47	34.41	34.41	34.87	34.87
2017	OA CA Halibut	ngf.	Other ngf.	Bivalve, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Bobtail squid	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Brown smoothhound shark	0.00	5.61	5.61	5.61	5.61
2017	OA CA Halibut	ngf.	Other ngf.	Bull sculpin	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	CA sea cucumber	0.00	0.02	0.02	0.02	0.02
2017	OA CA Halibut	ngf.	Other ngf.	CA butterfly ray	0.00	0.02	0.02	0.02	0.02
2017	OA CA Halibut	ngf.	Other ngf.	CA lizardfish	0.00	1.40	1.40	1.40	1.40
2017	OA CA Halibut	ngf.	Other ngf.	CA tonguefish	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Combfish, unid.	0.00	1.42	1.42	1.42	1.42
2017	OA CA Halibut	ngf.	Other ngf.	Crab, unid.	0.07	0.13	0.13	0.20	0.20
2017	OA CA Halibut	ngf.	Other ngf.	Crustacean, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.11	0.11	0.11	0.11
2017	OA CA Halibut	ngf.	Other ngf.	Ectoprocta, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Eelpout, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Giant sea bass	0.00	0.02	0.02	0.02	0.02
2017	OA CA Halibut	ngf.	Other ngf.	Graceful crab	0.00	0.10	0.10	0.10	0.10
2017	OA CA Halibut	ngf.	Other ngf.	Halibut, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Horn shark	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.27	0.27	0.27	0.27
2017	OA CA Halibut	ngf.	Other ngf.	Irregular echinoid	0.00	0.44	0.44	0.44	0.44
2017	OA CA Halibut	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Jellyfish, unid.	0.00	1.54	1.54	1.54	1.54
2017	OA CA Halibut	ngf.	Other ngf.	Kelp bass	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Longspine combfish	0.00	1.72	1.72	1.72	1.72
2017	OA CA Halibut	ngf.	Other ngf.	Lumptail searobin	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Mantis shrimp	0.00	0.08	0.08	0.08	0.08
2017	OA CA Halibut	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.31	0.31	0.31	0.31
2017	OA CA Halibut	ngf.	Other ngf.	Mixed species	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Northern anchovy	0.00	0.05	0.05	0.05	0.05
2017	OA CA Halibut	ngf.	Other ngf.	Nudibranch, unid.	0.00	0.17	0.17	0.17	0.17
2017	OA CA Halibut	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Octopus, unid.	0.00	0.04	0.04	0.04	0.04
2017	OA CA Halibut	ngf.	Other ngf.	Pacific angel shark	1.23	7.00	7.00	8.23	8.23
2017	OA CA Halibut	ngf.	Other ngf.	Pacific butterfish	0.00	0.11	0.11	0.11	0.11
2017	OA CA Halibut	ngf.	Other ngf.	Pacific electric ray	0.00	5.03	5.03	5.03	5.03

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA CA Halibut	ngf.	Other ngf.	Pacific herring	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Pacific rock crab	0.00	0.13	0.13	0.13	0.13
2017	OA CA Halibut	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.07	0.07	0.07	0.07
2017	OA CA Halibut	ngf.	Other ngf.	Pile surfperch	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Pink surfperch	0.00	0.05	0.05	0.05	0.05
2017	OA CA Halibut	ngf.	Other ngf.	Plainfin midshipman	0.00	0.05	0.05	0.05	0.05
2017	OA CA Halibut	ngf.	Other ngf.	Poacher, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Purple globe crab	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Queenfish	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Red rock crab	0.00	2.02	2.02	2.02	2.02
2017	OA CA Halibut	ngf.	Other ngf.	Ridgeback prawn	0.19	0.00	0.00	0.20	0.20
2017	OA CA Halibut	ngf.	Other ngf.	Rock crab	0.00	0.03	0.03	0.03	0.03
2017	OA CA Halibut	ngf.	Other ngf.	Round stingray	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Rubberlip surfperch	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Salp, unid.	0.00	0.03	0.03	0.03	0.03
2017	OA CA Halibut	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Sarcastic fringehead	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Sculpin, unid.	0.00	0.05	0.05	0.05	0.05
2017	OA CA Halibut	ngf.	Other ngf.	Sea cucumber, unid.	0.18	0.04	0.04	0.22	0.22
2017	OA CA Halibut	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Sea snail, unid.	0.00	0.58	0.58	0.58	0.58
2017	OA CA Halibut	ngf.	Other ngf.	Sea star, unid.	0.00	0.09	0.09	0.09	0.09
2017	OA CA Halibut	ngf.	Other ngf.	Sevengill shark	0.00	0.84	0.84	0.84	0.84
2017	OA CA Halibut	ngf.	Other ngf.	Shark, unid.	0.07	0.70	0.70	0.76	0.76
2017	OA CA Halibut	ngf.	Other ngf.	Sheep crab	0.00	0.88	0.88	0.88	0.88
2017	OA CA Halibut	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Shovelnose guitarfish	0.00	1.05	1.05	1.05	1.05
2017	OA CA Halibut	ngf.	Other ngf.	Shrimp, unid.	0.00	0.10	0.10	0.10	0.10
2017	OA CA Halibut	ngf.	Other ngf.	Skate, unid.	0.40	0.00	0.00	0.41	0.41
2017	OA CA Halibut	ngf.	Other ngf.	Smooth stargazer	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Snailfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Snubnose pipefish	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Specklefin midshipman	0.00	0.21	0.21	0.21	0.21
2017	OA CA Halibut	ngf.	Other ngf.	Spiny lobster, unid.	0.00	0.06	0.06	0.06	0.06
2017	OA CA Halibut	ngf.	Other ngf.	Spotfin surfperch	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Starry skate	0.00	0.29	0.29	0.29	0.29
2017	OA CA Halibut	ngf.	Other ngf.	Striped bass	0.00	0.34	0.34	0.34	0.34

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA CA Halibut	ngf.	Other ngf.	Surfperch, unid.	0.00	0.03	0.03	0.03	0.03
2017	OA CA Halibut	ngf.	Other ngf.	Swell shark	0.00	0.88	0.88	0.88	0.88
2017	OA CA Halibut	ngf.	Other ngf.	Thornback	0.00	1.73	1.73	1.73	1.73
2017	OA CA Halibut	ngf.	Other ngf.	Thresher shark, unid.	0.00	0.06	0.06	0.06	0.06
2017	OA CA Halibut	ngf.	Other ngf.	Tunicate, unid.	0.00	0.04	0.04	0.04	0.04
2017	OA CA Halibut	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	White abalone	0.09	0.00	0.00	0.09	0.09
2017	OA CA Halibut	ngf.	Other ngf.	White croaker	0.02	3.87	3.87	3.89	3.89
2017	OA CA Halibut	ngf.	Other ngf.	White sea bass	1.30	0.04	0.04	1.34	1.34
2017	OA CA Halibut	ngf.	Other ngf.	Wolf-eel	0.00	0.01	0.01	0.01	0.01
2017	OA CA Halibut	ngf.	Other ngf.	Xantus swimming crab	0.00	0.00	0.00	0.00	0.00
2017	OA CA Halibut	ngf.	Other ngf.	Yellow rock crab	0.00	0.57	0.57	0.57	0.57
2017	OA CA Halibut	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.03	0.03	0.03	0.03
2017	OA CA Halibut	ngf.	Shared ECS	Pacific sandlance	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	gf.	Arrowtooth flounder	Arrowtooth flounder	0.69	5.05	5.05	5.75	5.75
2017	OA FG – H&L	gf.	Big skate	Big skate	1.19	0.44	0.44	1.64	1.64
2017	OA FG – H&L	gf.	Black rf. (CA)	Black rf.	0.20	0.02	0.02	0.22	0.22
2017	OA FG – H&L	gf.	Black rf. (OR)	Black rf.	3.15	0.00	0.00	3.15	3.15
2017	OA FG – H&L	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	3.35	0.15	0.15	3.51	3.51
2017	OA FG – H&L	gf.	Cabezon (CA)	Cabezon	0.00	0.15	0.15	0.15	0.15
2017	OA FG – H&L	gf.	Cabezon (OR)	Cabezon	0.15	0.00	0.00	0.15	0.15
2017	OA FG – H&L	gf.	Canary rf.	Canary rf.	2.44	0.24	0.24	2.69	2.69
2017	OA FG – H&L	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.77	0.00	0.00	0.77	0.77
2017	OA FG – H&L	gf.	Darkblotched rf.	Darkblotched rf.	1.63	0.71	0.71	2.35	2.35
2017	OA FG – H&L	gf.	Dover sole	Dover sole	0.09	0.65	0.65	0.74	0.74
2017	OA FG – H&L	gf.	ECS	Black skate	0.00	0.32	0.32	0.32	0.32
2017	OA FG – H&L	gf.	ECS	Grenadier, unid.	3.73	0.00	0.00	3.73	3.73
2017	OA FG – H&L	gf.	ECS	Sandpaper skate	0.00	0.20	0.20	0.20	0.20
2017	OA FG – H&L	gf.	ECS	Soupfin shark	0.26	0.00	0.00	0.26	0.26
2017	OA FG – H&L	gf.	ECS	Spotted ratfish	0.00	1.06	1.06	1.06	1.06
2017	OA FG – H&L	gf.	Lingcod (N of 40°10')	Lingcod	40.81	1.49	0.10	42.29	40.91
2017	OA FG – H&L	gf.	Lingcod (S of 40°10')	Lingcod	28.29	1.44	0.10	29.74	28.39
2017	OA FG – H&L	gf.	Longnose skate	Longnose skate	4.54	21.00	10.50	25.53	15.04
2017	OA FG – H&L	gf.	LST (N of 34°27')	LST	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	gf.	LST (S of 34°27')	LST	0.15	0.01	0.01	0.16	0.16
2017	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.10	0.02	0.02	0.12	0.12
2017	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.02	0.04	0.04	0.06	0.06
2017	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Grass rf.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA FG – H&L	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.04	0.01	0.01	0.05	0.05
2017	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.04	0.04	0.04	0.04
2017	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.06	0.06	0.07	0.07
2017	OA FG – H&L	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.05	0.00	0.00	0.05	0.05
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.02	0.19	0.19	0.20	0.20
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.01	0.04	0.04	0.05	0.05
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.28	0.13	0.13	0.41	0.41
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.09	0.00	0.00	0.09	0.09
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.14	0.00	0.00	0.14	0.14
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.09	0.00	0.00	0.09	0.09
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	1.05	0.00	0.00	1.05	1.05
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.10	0.01	0.01	0.11	0.11
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.71	0.00	0.00	0.71	0.71
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.21	0.00	0.00	0.21	0.21
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.03	0.01	0.01	0.04	0.04
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.69	0.00	0.00	0.69	0.69
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.08	0.00	0.00	0.08	0.08
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.03	0.00	0.00	0.03	0.03
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.32	0.00	0.00	0.32	0.32
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	17.00	0.00	0.00	17.00	17.00
2017	OA FG – H&L	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	2.40	0.01	0.01	2.42	2.42
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.14	0.00	0.00	0.14	0.14
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	1.91	1.10	1.10	3.01	3.01
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.86	19.08	19.08	20.94	20.94
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.10	0.00	0.00	0.10	0.10
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	0.11	0.11	0.11	0.11
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.11	0.00	0.00	0.11	0.11
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.01	0.04	0.04	0.04	0.04
2017	OA FG – H&L	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.01	0.00	0.00	0.01	0.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.07	0.00	0.00	0.07	0.07
2017	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	1.45	0.24	0.24	1.68	1.68
2017	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.07	0.00	0.00	0.07	0.07
2017	OA FG – H&L	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.24	0.00	0.00	0.24	0.24
2017	OA FG – H&L	gf.	Mixed thornyheads	SST/LST	0.77	0.04	0.04	0.81	0.81
2017	OA FG – H&L	gf.	Other flatfish	Curlfin sole	0.03	0.00	0.00	0.03	0.03
2017	OA FG – H&L	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	gf.	Other flatfish	Pacific sanddab	0.25	0.00	0.00	0.25	0.25
2017	OA FG – H&L	gf.	Other flatfish	Rock sole	0.04	0.00	0.00	0.04	0.04
2017	OA FG – H&L	gf.	Other flatfish	Sand sole	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Other flatfish	Sanddab, unid.	1.86	0.00	0.00	1.86	1.86
2017	OA FG – H&L	gf.	Other gf.	Kelp greenling (CA)	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	gf.	Other gf.	Kelp greenling (OR)	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Other gf.	Leopard shark	0.56	0.00	0.00	0.56	0.56
2017	OA FG – H&L	gf.	Other rf.	Rockfish, unid.	0.16	0.00	0.00	0.16	0.16
2017	OA FG – H&L	gf.	Pacific cod	Pacific cod	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Pacific hake	Pacific hake	0.04	0.31	0.31	0.34	0.34
2017	OA FG – H&L	gf.	POP (N of 40°10')	POP	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Petrale sole	Petrale sole	0.70	0.10	0.10	0.80	0.80
2017	OA FG – H&L	gf.	Sablefish (N of 36°)	Sablefish	202.29	58.41	11.68	260.70	213.98
2017	OA FG – H&L	gf.	Sablefish (S of 36°)	Sablefish	17.31	0.00	0.00	17.31	17.31
2017	OA FG – H&L	gf.	SST (N of 34°27')	SST	0.06	1.20	1.20	1.25	1.25
2017	OA FG – H&L	gf.	SST (S of 34°27')	SST	0.47	0.43	0.43	0.90	0.90
2017	OA FG – H&L	gf.	Spiny dogfish	Spiny dogfish shark	1.68	22.36	11.18	24.04	12.86
2017	OA FG – H&L	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	gf.	Starry flounder	Starry flounder	0.04	0.00	0.00	0.04	0.04
2017	OA FG – H&L	gf.	Widow rf.	Widow rf.	0.46	0.00	0.00	0.46	0.46
2017	OA FG – H&L	gf.	Yelloweye rf.	Yelloweye rf.	0.07	1.38	1.38	1.45	1.45
2017	OA FG – H&L	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.18	0.10	0.10	0.28	0.28
2017	OA FG – H&L	ngf.	CA halibut	CA halibut	1.46	0.00	0.00	1.46	1.46
2017	OA FG – H&L	ngf.	Dungeness crab	Dungeness crab	0.01	0.01	0.01	0.02	0.02
2017	OA FG – H&L	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	ngf.	Non-FMP flatfish	Fantail sole	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Albacore tuna	0.13	0.00	0.00	0.13	0.13
2017	OA FG – H&L	ngf.	Other ngf.	Bairdi Tanner crab	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Black hagfish	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Blue shark	0.00	11.79	11.79	11.79	11.79
2017	OA FG – H&L	ngf.	Other ngf.	Bonito (shortfin mako) shark	0.10	0.00	0.00	0.10	0.10

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA FG – H&L	ngf.	Other ngf.	Brown cat shark	0.00	0.76	0.76	0.76	0.76
2017	OA FG – H&L	ngf.	Other ngf.	CA barracuda	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	CA spiny lobster	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Cat shark, unid.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – H&L	ngf.	Other ngf.	Dorado	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	ngf.	Other ngf.	Filetail cat shark	0.00	0.37	0.37	0.37	0.37
2017	OA FG – H&L	ngf.	Other ngf.	Hagfish, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Halibut, unid.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Longnose cat shark	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Mackerel, unid.	0.05	0.00	0.00	0.05	0.05
2017	OA FG – H&L	ngf.	Other ngf.	Mixed species	0.08	0.00	0.00	0.08	0.08
2017	OA FG – H&L	ngf.	Other ngf.	Mollusc, unid.	0.03	0.00	0.00	0.03	0.03
2017	OA FG – H&L	ngf.	Other ngf.	Pacific bonito	0.14	0.00	0.00	0.14	0.14
2017	OA FG – H&L	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	PHLB	0.01	47.37	3.57	47.38	3.58
2017	OA FG – H&L	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	ngf.	Other ngf.	Salp, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – H&L	ngf.	Other ngf.	Sea pen	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	ngf.	Other ngf.	Sea star, unid.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – H&L	ngf.	Other ngf.	Skate, unid.	0.22	0.39	0.39	0.61	0.61
2017	OA FG – H&L	ngf.	Other ngf.	Sponge, unid.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – H&L	ngf.	Other ngf.	Surfperch, unid.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – H&L	ngf.	Other ngf.	White croaker	0.00	0.00	0.00	0.00	0.00
2017	OA FG – H&L	ngf.	Other ngf.	White sea bass	0.21	0.00	0.00	0.21	0.21
2017	OA FG – H&L	ngf.	Other ngf.	Yellowfin tuna	0.14	0.00	0.00	0.14	0.14
2017	OA FG – H&L	ngf.	Other ngf.	Yellowtail amberjack	0.13	0.00	0.00	0.13	0.13
2017	OA FG – H&L	ngf.	Shared ECS	Smelt, unid.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.83	0.83	0.84	0.84
2017	OA FG – Pot	gf.	Black rf. (CA)	Black rf.	0.47	0.00	0.00	0.47	0.47
2017	OA FG – Pot	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.03	0.00	0.00	0.03	0.03
2017	OA FG – Pot	gf.	Cabezon (CA)	Cabezon	1.26	0.46	0.46	1.73	1.73
2017	OA FG – Pot	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	gf.	Canary rf.	Canary rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Dover sole	Dover sole	0.05	0.58	0.58	0.63	0.63
2017	OA FG – Pot	gf.	ECS	Sandpaper skate	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	gf.	ECS	Spotted ratfish	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	gf.	English sole	English sole	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA FG – Pot	gf.	Lingcod (N of 40°10')	Lingcod	1.30	0.32	0.32	1.62	1.62
2017	OA FG – Pot	gf.	Lingcod (S of 40°10')	Lingcod	1.35	0.20	0.20	1.55	1.55
2017	OA FG – Pot	gf.	LST (N of 34°27')	LST	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Black and yellow rf.	1.18	0.05	0.05	1.23	1.23
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.77	0.01	0.01	0.78	0.78
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Grass rf.	0.09	0.01	0.01	0.10	0.10
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.04	0.00	0.00	0.04	0.04
2017	OA FG – Pot	gf.	Minor ns. rf. (S of 40°10')	Treefish rf.	0.00	0.04	0.04	0.04	0.04
2017	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.64	0.00	0.00	0.64	0.64
2017	OA FG – Pot	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.01	0.01	0.01	0.02	0.02
2017	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.04	0.00	0.00	0.04	0.04
2017	OA FG – Pot	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.07	0.00	0.00	0.07	0.07
2017	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.30	0.11	0.11	0.41	0.41
2017	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.09	0.09	0.09	0.09
2017	OA FG – Pot	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	gf.	Mixed thornyheads	SST/LST	0.12	0.00	0.00	0.12	0.12
2017	OA FG – Pot	gf.	Other flatfish	Flatfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	gf.	Other flatfish	Pacific sanddab	0.33	0.00	0.00	0.33	0.33
2017	OA FG – Pot	gf.	Other flatfish	Sanddab, unid.	0.12	0.00	0.00	0.12	0.12
2017	OA FG – Pot	gf.	Other gf.	Kelp greenling (CA)	0.29	0.00	0.00	0.29	0.29
2017	OA FG – Pot	gf.	Petrale sole	Petrale sole	0.02	0.02	0.02	0.05	0.05
2017	OA FG – Pot	gf.	Sablefish (N of 36°)	Sablefish	194.34	37.81	7.56	232.15	201.90
2017	OA FG – Pot	gf.	Sablefish (S of 36°)	Sablefish	7.71	0.00	0.00	7.71	7.71
2017	OA FG – Pot	gf.	SST (N of 34°27')	SST	0.00	0.07	0.07	0.07	0.07
2017	OA FG – Pot	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	ngf.	Dungeness crab	Dungeness crab	3.65	0.25	0.25	3.91	3.91
2017	OA FG – Pot	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	Albacore tuna	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	ngf.	Other ngf.	Anemone, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	OA FG – Pot	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	CA king crab	0.00	0.02	0.02	0.02	0.02
2017	OA FG – Pot	ngf.	Other ngf.	CA sheephead	0.00	3.19	3.19	3.19	3.19
2017	OA FG – Pot	ngf.	Other ngf.	CA spiny lobster	0.05	0.00	0.00	0.05	0.05
2017	OA FG – Pot	ngf.	Other ngf.	Crab, unid.	0.04	0.00	0.00	0.04	0.04
2017	OA FG – Pot	ngf.	Other ngf.	Deepsea rock crab	0.00	3.55	3.55	3.55	3.55
2017	OA FG – Pot	ngf.	Other ngf.	Garibaldi	0.00	0.04	0.04	0.04	0.04
2017	OA FG – Pot	ngf.	Other ngf.	Hagfish, unid.	2.14	0.01	0.01	2.15	2.15
2017	OA FG – Pot	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Kelp bass	0.00	0.02	0.02	0.02	0.02
2017	OA FG – Pot	ngf.	Other ngf.	King crab, unid.	0.06	0.00	0.00	0.06	0.06
2017	OA FG – Pot	ngf.	Other ngf.	Mollusc, unid.	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	ngf.	Other ngf.	Monkeyface prickleback	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Pacific bonito	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Pacific hagfish	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	PHLB	0.00	0.87	0.16	0.87	0.16
2017	OA FG – Pot	ngf.	Other ngf.	Red rock crab	4.83	0.00	0.00	4.83	4.83
2017	OA FG – Pot	ngf.	Other ngf.	Sail jellyfish	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	Scarlet king crab	0.00	0.05	0.05	0.05	0.05
2017	OA FG – Pot	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	Sea snail, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Sea star, unid.	0.00	0.01	0.01	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Skipjack tuna	0.01	0.00	0.00	0.01	0.01
2017	OA FG – Pot	ngf.	Other ngf.	Spiny king crab	0.00	0.05	0.05	0.05	0.05
2017	OA FG – Pot	ngf.	Other ngf.	Surfperch, unid.	0.00	0.23	0.23	0.23	0.23
2017	OA FG – Pot	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	OA FG – Pot	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2017	OA FG – Pot	ngf.	Other ngf.	Urchin, unid.	0.00	0.08	0.08	0.08	0.08
2017	OA FG – Pot	ngf.	Other ngf.	Yellowfin tuna	0.02	0.00	0.00	0.02	0.02
2017	OA FG – Pot	ngf.	Tanner crab	Tanner crab, unid.	0.00	0.13	0.13	0.13	0.13
2017	OA FG – Pot	ngf.	Tanner crab	Tanneri Tanner crab	0.00	0.75	0.75	0.75	0.75
2017	PHLB Derby	gf.	Arrowtooth flounder	Arrowtooth flounder	0.89	15.35	15.35	16.24	16.24
2017	PHLB Derby	gf.	Big skate	Big skate	0.72	0.18	0.18	0.91	0.91
2017	PHLB Derby	gf.	Canary rf.	Canary rf.	0.22	0.02	0.02	0.24	0.24
2017	PHLB Derby	gf.	Darkblotched rf.	Darkblotched rf.	0.06	0.63	0.63	0.69	0.69
2017	PHLB Derby	gf.	Dover sole	Dover sole	0.04	0.17	0.17	0.22	0.22
2017	PHLB Derby	gf.	ECS	Sandpaper skate	0.00	0.13	0.13	0.13	0.13

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	PHLB Derby	gf.	ECS	Spotted ratfish	0.00	0.20	0.20	0.20	0.20
2017	PHLB Derby	gf.	Lingcod (N of 40°10')	Lingcod	1.45	0.20	0.01	1.65	1.46
2017	PHLB Derby	gf.	Longnose skate	Longnose skate	3.04	8.04	4.02	11.08	7.06
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.05	0.00	0.00	0.05	0.05
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.05	0.05	0.06	0.06
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.02	0.01	0.01	0.03	0.03
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.18	0.00	0.00	0.18	0.18
2017	PHLB Derby	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.01	0.00	0.00	0.01	0.01
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.30	0.06	0.06	0.36	0.36
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	1.20	3.47	3.47	4.67	4.67
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.05	0.12	0.12	0.18	0.18
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Shortraker/rougheye/blackspotted rf.	0.00	1.73	1.73	1.73	1.73
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.07	0.03	0.03	0.10	0.10
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.02	0.02	0.02	0.04	0.04
2017	PHLB Derby	gf.	Pacific cod	Pacific cod	0.05	0.00	0.00	0.05	0.05
2017	PHLB Derby	gf.	Pacific hake	Pacific hake	0.03	0.29	0.29	0.32	0.32
2017	PHLB Derby	gf.	POP (N of 40°10')	POP	0.02	0.02	0.02	0.04	0.04
2017	PHLB Derby	gf.	Petrale sole	Petrale sole	0.07	0.17	0.17	0.25	0.25
2017	PHLB Derby	gf.	Sablefish (N of 36°)	Sablefish	32.65	49.34	9.87	81.99	42.52
2017	PHLB Derby	gf.	SST (N of 34°27')	SST	0.13	0.75	0.75	0.87	0.87
2017	PHLB Derby	gf.	Spiny dogfish	Spiny dogfish shark	0.03	0.37	0.19	0.40	0.22
2017	PHLB Derby	gf.	Widow rf.	Widow rf.	0.01	0.02	0.02	0.03	0.03
2017	PHLB Derby	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.68	0.68	0.68	0.68
2017	PHLB Derby	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.04	0.04	0.04	0.08	0.08
2017	PHLB Derby	ngf.	Dungeness crab	Dungeness crab	0.00	0.02	0.02	0.02	0.02
2017	PHLB Derby	ngf.	Other ngf.	Blue shark	0.00	8.30	8.30	8.30	8.30
2017	PHLB Derby	ngf.	Other ngf.	Giant wrymouth	0.00	0.07	0.07	0.07	0.07
2017	PHLB Derby	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	ngf.	Other ngf.	PHLB	137.06	25.74	2.26	162.80	139.32
2017	PHLB Derby	ngf.	Other ngf.	Pacific mackerel	0.00	0.01	0.01	0.01	0.01
2017	PHLB Derby	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.49	0.49	0.49	0.49
2017	PHLB Derby	ngf.	Other ngf.	Sixgill shark	0.00	0.08	0.08	0.08	0.08
2017	PHLB Derby	ngf.	Other ngf.	Skate, unid.	0.66	2.70	2.70	3.36	3.36
2017	PHLB Derby	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2017	PHLB Derby	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.22	0.22	0.22	0.22

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Pink Shrimp	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	1.13	1.13	1.13	1.13
2017	Pink Shrimp	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.12	0.12	0.12	0.12
2017	Pink Shrimp	gf.	Canary rf.	Canary rf.	0.00	0.07	0.07	0.07	0.07
2017	Pink Shrimp	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	1.07	1.07	1.07	1.07
2017	Pink Shrimp	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.09	0.09	0.09	0.09
2017	Pink Shrimp	gf.	Darkblotched rf.	Darkblotched rf.	0.00	6.05	6.05	6.05	6.05
2017	Pink Shrimp	gf.	Dover sole	Dover sole	0.00	4.56	4.56	4.56	4.56
2017	Pink Shrimp	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	ECS	CA skate	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	ECS	Sandpaper skate	0.00	0.05	0.05	0.05	0.05
2017	Pink Shrimp	gf.	ECS	Soupfin shark	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	ECS	Spotted ratfish	0.00	0.16	0.16	0.16	0.16
2017	Pink Shrimp	gf.	English sole	English sole	0.00	0.04	0.04	0.04	0.04
2017	Pink Shrimp	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Longnose skate	Longnose skate	0.00	0.49	0.49	0.49	0.49
2017	Pink Shrimp	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.28	0.28	0.28	0.28
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	1.49	1.49	1.49	1.49
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Cowcod rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.68	0.68	0.68	0.68
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Puget Sound rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.17	0.17	0.17	0.17
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.17	0.17	0.17	0.17
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.00	2.15	2.15	2.15	2.15
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	3.44	3.44	3.44	3.44
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.00	0.58	0.58	0.58	0.58
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Spotted rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.02	0.02	0.02	0.02

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Pink Shrimp	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	4.36	4.36	4.36	4.36
2017	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.14	0.14	0.14	0.14
2017	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Sharpchin rf.	0.00	0.26	0.26	0.26	0.26
2017	Pink Shrimp	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.87	0.87	0.87	0.87
2017	Pink Shrimp	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.38	0.38	0.38	0.38
2017	Pink Shrimp	gf.	Other flatfish	Flatfish, unid.	0.00	2.11	2.11	2.11	2.11
2017	Pink Shrimp	gf.	Other flatfish	Flathead sole	0.00	0.63	0.63	0.63	0.63
2017	Pink Shrimp	gf.	Other flatfish	Pacific sanddab	0.00	2.67	2.67	2.67	2.67
2017	Pink Shrimp	gf.	Other flatfish	Rex sole	0.00	31.08	31.08	31.08	31.08
2017	Pink Shrimp	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Pacific cod	Pacific cod	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Pacific hake	Pacific hake	0.00	375.24	375.24	375.24	375.24
2017	Pink Shrimp	gf.	POP (N of 40°10')	POP	0.00	0.23	0.23	0.23	0.23
2017	Pink Shrimp	gf.	Petrale sole	Petrale sole	0.00	0.30	0.30	0.30	0.30
2017	Pink Shrimp	gf.	Roundfish unid	Roundfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.19	0.19	0.19	0.19
2017	Pink Shrimp	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Shortbelly rf.	Shortbelly rf.	0.00	21.50	21.50	21.50	21.50
2017	Pink Shrimp	gf.	SST (N of 34°27')	SST	0.00	0.04	0.04	0.04	0.04
2017	Pink Shrimp	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	2.88	2.88	2.88	2.88
2017	Pink Shrimp	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Non-FMP flatfish	C-O (C-O turbot) sole	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Non-FMP flatfish	Deepsea sole	0.00	0.11	0.11	0.11	0.11
2017	Pink Shrimp	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Non-FMP flatfish	Slender sole	0.00	71.45	71.45	71.45	71.45
2017	Pink Shrimp	ngf.	Other ngf.	American shad	0.00	0.12	0.12	0.12	0.12
2017	Pink Shrimp	ngf.	Other ngf.	Anchovy, unid.	0.00	0.12	0.12	0.12	0.12
2017	Pink Shrimp	ngf.	Other ngf.	Anemone, unid.	0.00	2.58	2.58	2.58	2.58
2017	Pink Shrimp	ngf.	Other ngf.	Barnacle, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Bigfin eelpout	0.00	0.37	0.37	0.37	0.37
2017	Pink Shrimp	ngf.	Other ngf.	Bivalve, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Bobtail squid	0.00	0.77	0.77	0.77	0.77
2017	Pink Shrimp	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Pink Shrimp	ngf.	Other ngf.	CA barracuda	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Coral, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Crustacean, unid.	0.00	0.11	0.11	0.11	0.11
2017	Pink Shrimp	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.26	0.26	0.26	0.26
2017	Pink Shrimp	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Dwarf wrymouth	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Ectoprocta, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Eelpout, unid.	0.00	9.77	9.77	9.77	9.77
2017	Pink Shrimp	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Gunnel, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Hagfish, unid.	0.00	7.14	7.14	7.14	7.14
2017	Pink Shrimp	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Herring, unid.	0.00	2.11	2.11	2.11	2.11
2017	Pink Shrimp	ngf.	Other ngf.	Humboldt (jumbo) squid	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Invertebrate, unid.	0.00	4.79	4.79	4.79	4.79
2017	Pink Shrimp	ngf.	Other ngf.	Irregular echinoid	0.00	0.75	0.75	0.75	0.75
2017	Pink Shrimp	ngf.	Other ngf.	Isopod, unid.	0.00	0.08	0.08	0.08	0.08
2017	Pink Shrimp	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.40	0.40	0.40	0.40
2017	Pink Shrimp	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Lamprey, unid.	0.00	0.06	0.06	0.06	0.06
2017	Pink Shrimp	ngf.	Other ngf.	Longspine combfish	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Lumpsucker, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Mackerel, unid.	0.00	0.02	0.02	0.02	0.02
2017	Pink Shrimp	ngf.	Other ngf.	Medusafish	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Northern anchovy	0.00	0.02	0.02	0.02	0.02
2017	Pink Shrimp	ngf.	Other ngf.	Nudibranch, unid.	0.00	1.46	1.46	1.46	1.46
2017	Pink Shrimp	ngf.	Other ngf.	Octopus, unid.	0.00	0.32	0.32	0.32	0.32
2017	Pink Shrimp	ngf.	Other ngf.	Pacific argentine	0.00	0.20	0.20	0.20	0.20
2017	Pink Shrimp	ngf.	Other ngf.	Pacific butterfish	0.00	0.04	0.04	0.04	0.04
2017	Pink Shrimp	ngf.	Other ngf.	Pacific hagfish	0.00	0.45	0.45	0.45	0.45
2017	Pink Shrimp	ngf.	Other ngf.	Pacific herring	0.00	2.56	2.56	2.56	2.56
2017	Pink Shrimp	ngf.	Other ngf.	Pacific sardine	0.00	0.04	0.04	0.04	0.04
2017	Pink Shrimp	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Peanut worm, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Plainfin midshipman	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Poacher, unid.	0.00	3.14	3.14	3.14	3.14

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Pink Shrimp	ngf.	Other ngf.	Prickleback, unid.	0.00	0.10	0.10	0.10	0.10
2017	Pink Shrimp	ngf.	Other ngf.	Prowfish	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Pygmy poacher	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Red brotula	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Ronquil, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Sail jellyfish	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Salp, unid.	0.00	60.41	60.41	60.41	60.41
2017	Pink Shrimp	ngf.	Other ngf.	Sand dollar, unid.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Sculpin, unid.	0.00	0.20	0.20	0.20	0.20
2017	Pink Shrimp	ngf.	Other ngf.	Sea cucumber, unid.	0.00	0.92	0.92	0.92	0.92
2017	Pink Shrimp	ngf.	Other ngf.	Sea pen	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Sea snail, unid.	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Sea star, unid.	0.00	0.51	0.51	0.51	0.51
2017	Pink Shrimp	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Skilfish	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Smalleye squaretail	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Smootheye poacher	0.00	0.22	0.22	0.22	0.22
2017	Pink Shrimp	ngf.	Other ngf.	Snailfish, unid.	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Sponge, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.01	0.01	0.01	0.01
2017	Pink Shrimp	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.02	0.02	0.02	0.02
2017	Pink Shrimp	ngf.	Other ngf.	Threadfin sculpin	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Tubeshoulder, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Tunicate, unid.	0.00	4.26	4.26	4.26	4.26
2017	Pink Shrimp	ngf.	Other ngf.	Umbelluilidae, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Urchin, unid.	0.00	4.27	4.27	4.27	4.27
2017	Pink Shrimp	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Walleye pollock	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Whitebarred prickleback	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Other ngf.	Worm, unid.	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Wrymouth, unid.	0.00	0.03	0.03	0.03	0.03
2017	Pink Shrimp	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2017	Pink Shrimp	ngf.	Other shrimp	Spot prawn	0.00	0.12	0.12	0.12	0.12
2017	Pink Shrimp	ngf.	Pink shrimp	Pink shrimp	14983.63	0.00	0.00	14983.63	14983.63
2017	Pink Shrimp	ngf.	Pink shrimp	Shrimp, unid.	0.00	143.38	143.38	143.38	143.38
2017	Pink Shrimp	ngf.	Shared ECS	Barracudina, unid.	0.00	0.00	0.00	0.00	0.00
2017	Pink Shrimp	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.02	0.02	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Pink Shrimp	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	1.04	1.04	1.04	1.04
2017	Pink Shrimp	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	6.08	6.08	6.08	6.08
2017	Pink Shrimp	ngf.	Shared ECS	Pacific saury	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.00	0.00	7.32	7.32
2017	Research	gf.	Big skate	Big skate	0.00	0.00	0.00	5.46	5.46
2017	Research	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.08	0.08
2017	Research	gf.	Black rf. (OR)	Black rf.	0.00	0.00	0.00	0.08	0.08
2017	Research	gf.	Black rf. (WA)	Black rf.	0.00	0.00	0.00	0.09	0.09
2017	Research	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	3.21	3.21
2017	Research	gf.	Cabezon (CA)	Cabezon	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Cabezon (OR)	Cabezon	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.00	0.00	0.15	0.15
2017	Research	gf.	Canary rf.	Canary rf.	0.00	0.00	0.00	10.09	10.09
2017	Research	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.00	0.00	5.05	5.05
2017	Research	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.00	0.00	0.35	0.35
2017	Research	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	1.67	1.67
2017	Research	gf.	Dover sole	Dover sole	0.00	0.00	0.00	38.73	38.73
2017	Research	gf.	ECS	Aleutian skate	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	ECS	Black skate	0.00	0.00	0.00	0.62	0.62
2017	Research	gf.	ECS	CA grenadier	0.00	0.00	0.00	0.06	0.06
2017	Research	gf.	ECS	CA skate	0.00	0.00	0.00	0.32	0.32
2017	Research	gf.	ECS	Deepsea skate	0.00	0.00	0.00	0.04	0.04
2017	Research	gf.	ECS	Giant grenadier	0.00	0.00	0.00	1.91	1.91
2017	Research	gf.	ECS	Grenadier, unid.	0.00	0.00	0.00	0.04	0.04
2017	Research	gf.	ECS	Pacific flatnose	0.00	0.00	0.00	0.17	0.17
2017	Research	gf.	ECS	Pacific grenadier	0.00	0.00	0.00	4.61	4.61
2017	Research	gf.	ECS	Popeye grenadier	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	ECS	Sandpaper skate	0.00	0.00	0.00	0.90	0.90
2017	Research	gf.	ECS	Shark and skate, unid.	0.00	0.00	0.00	0.40	0.40
2017	Research	gf.	ECS	Shoulderspot grenadier	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	ECS	Smooth grenadier	0.00	0.00	0.00	0.03	0.03
2017	Research	gf.	ECS	Soupfin shark	0.00	0.00	0.00	1.00	1.00
2017	Research	gf.	ECS	Spotted ratfish	0.00	0.00	0.00	3.62	3.62
2017	Research	gf.	English sole	English sole	0.00	0.00	0.00	4.05	4.05
2017	Research	gf.	Lingcod (N of 40°10')	Lingcod	0.00	0.00	0.00	3.28	3.28
2017	Research	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.00	0.00	1.67	1.67
2017	Research	gf.	Longnose skate	Longnose skate	0.00	0.00	0.00	9.44	9.44
2017	Research	gf.	LST (N of 34°27')	LST	0.00	0.00	0.00	17.26	17.26
2017	Research	gf.	LST (S of 34°27')	LST	0.00	0.00	0.00	1.25	1.25

Total estimated landings, discard, discard mortality, and catch estimates by year, sector, gear, management group, and species, in metric tons (mt). Key: *TL* = total landings, *TD* = total discards, *D+DMR* = discards with discard mortality rates applied, *TC* = total catch (landings + discards), *Mort.* = mortality (landings + discards with DMRs applied). All degree-and-minute notations are for north latitudes (lat °N).

Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Research	gf.	Minor ns. rf. (N of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.30	0.30
2017	Research	gf.	Minor ns. rf. (N of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.00	0.00	0.00	0.06	0.06
2017	Research	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor ns. rf. (N of 40°10')	Olive rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.00	0.00	0.00	0.09	0.09
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Blue/deacon rf.	0.00	0.00	0.00	0.08	0.08
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.02	0.02
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor ns. rf. (S of 40°10')	China rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.00	0.00	0.52	0.52
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Gopher rf.	0.00	0.00	0.00	0.02	0.02
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Olive rf.	0.00	0.00	0.00	0.09	0.09
2017	Research	gf.	Minor ns. rf. (S of 40°10')	Quillback rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.28	0.28
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Chilipepper rf.	0.00	0.00	0.00	0.61	0.61
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.10	0.10
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.00	0.00	0.00	2.12	2.12
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Halfbanded rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Puget Sound rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Pygmy rf.	0.00	0.00	0.00	0.13	0.13
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.00	0.00	0.00	2.56	2.56
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.58	0.58
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	0.00	0.00	0.00	1.12	1.12
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Stripetail rf.	0.00	0.00	0.00	3.49	3.49
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Tiger rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (N of 40°10')	Vermilion rf.	0.00	0.00	0.00	0.03	0.03
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Bronzespotted rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.00	0.00	0.02	0.02
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.00	0.00	0.50	0.50
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.00	0.00	0.20	0.20
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.00	0.00	1.01	1.01
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Honeycomb rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Pink rf.	0.00	0.00	0.00	0.02	0.02

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Pinkrose rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.20	0.20
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Silvergray rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.27	0.27
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.00	0.00	0.29	0.29
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.12	0.12
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.00	0.00	0.77	0.77
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.03	0.03
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.00	0.00	5.52	5.52
2017	Research	gf.	Minor sh. rf. (S of 40°10')	Yellowtail rf.	0.00	0.00	0.00	0.38	0.38
2017	Research	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.00	0.00	0.00	0.21	0.21
2017	Research	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.04	0.04
2017	Research	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.25	0.25
2017	Research	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.04	0.04
2017	Research	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.00	0.00	0.53	0.53
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.48	0.48
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Blackgill rf.	0.00	0.00	0.00	0.44	0.44
2017	Research	gf.	Minor sl. rf. (S of 40°10')	POP	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Redbanded rf.	0.00	0.00	0.00	0.12	0.12
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Rougheye/blackspotted rf.	0.00	0.00	0.00	0.12	0.12
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Sharpchin rf.	0.00	0.00	0.00	16.42	16.42
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Shortraker rf.	0.00	0.00	0.00	0.05	0.05
2017	Research	gf.	Minor sl. rf. (S of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.04	0.04
2017	Research	gf.	Other flatfish	Butter sole	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Other flatfish	Curlfin sole	0.00	0.00	0.00	0.13	0.13
2017	Research	gf.	Other flatfish	Flathead sole	0.00	0.00	0.00	0.62	0.62
2017	Research	gf.	Other flatfish	Pacific sanddab	0.00	0.00	0.00	8.78	8.78
2017	Research	gf.	Other flatfish	Rex sole	0.00	0.00	0.00	10.51	10.51
2017	Research	gf.	Other flatfish	Rock sole	0.00	0.00	0.00	0.17	0.17
2017	Research	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Other gf.	Cabezon (WA)	0.00	0.00	0.00	0.01	0.01
2017	Research	gf.	Other gf.	Kelp greenling (CA)	0.00	0.00	0.00	0.00	0.00
2017	Research	gf.	Other gf.	Kelp greenling (OR)	0.00	0.00	0.00	0.06	0.06
2017	Research	gf.	Other gf.	Kelp greenling (WA)	0.00	0.00	0.00	0.35	0.35
2017	Research	gf.	Other gf.	Leopard shark	0.00	0.00	0.00	0.14	0.14
2017	Research	gf.	Pacific cod	Pacific cod	0.00	0.00	0.00	0.30	0.30

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Research	gf.	Pacific hake	Pacific hake	0.00	0.00	0.00	83.80	83.80
2017	Research	gf.	POP (N of 40°10')	POP	0.00	0.00	0.00	1.12	1.12
2017	Research	gf.	Petrale sole	Petrale sole	0.00	0.00	0.00	9.96	9.96
2017	Research	gf.	Sablefish (N of 36°)	Sablefish	0.00	0.00	0.00	22.46	22.46
2017	Research	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.00	0.00	1.26	1.26
2017	Research	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.57	0.57
2017	Research	gf.	SST (N of 34°27')	SST	0.00	0.00	0.00	5.51	5.51
2017	Research	gf.	SST (S of 34°27')	SST	0.00	0.00	0.00	0.49	0.49
2017	Research	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.00	0.00	16.05	16.05
2017	Research	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.00	0.00	11.17	11.17
2017	Research	gf.	Starry flounder	Starry flounder	0.00	0.00	0.00	0.05	0.05
2017	Research	gf.	Widow rf.	Widow rf.	0.00	0.00	0.00	6.02	6.02
2017	Research	gf.	Yelloweye rf.	Yelloweye rf.	0.00	0.00	0.00	0.90	0.90
2017	Research	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	0.00	0.00	0.00	10.10	10.10
2017	Research	ngf.	Dungeness crab	Dungeness crab	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	*Abraliopsis felis*	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	American shad	0.00	0.00	0.00	0.04	0.04
2017	Research	ngf.	Other ngf.	Blue lanternfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Blue shark	0.00	0.00	0.00	2.46	2.46
2017	Research	ngf.	Other ngf.	Boreal clubhook squid	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Box crab	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Broadfin lanternfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Broadnose sevengill shark	0.00	0.00	0.00	1.78	1.78
2017	Research	ngf.	Other ngf.	Brokenline lampfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Brown cat shark	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Brown Irish lord sculpin	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	CA headlightfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	CA lanternfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	CA lizardfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	CA sheephead	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	CA smoothtongue	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	*Carinaria japonica*	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Clawed armhook squid	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Cone squid	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Deepwater eelpout	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Fish, unid.	0.00	0.00	0.00	0.04	0.04
2017	Research	ngf.	Other ngf.	Garnet lampfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Glass squid, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Research	ngf.	Other ngf.	Gonatopsis, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Gonatus, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Hatchetfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	*Hormiphora cucumis*	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Jack mackerel	0.00	0.00	0.00	0.17	0.17
2017	Research	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.03	0.03
2017	Research	ngf.	Other ngf.	Jewel squid	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	King of the salmon	0.00	0.00	0.00	0.13	0.13
2017	Research	ngf.	Other ngf.	Lion's mane jellyfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Long-armed jewel squid	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Magistrate armhook squid	0.00	0.00	0.00	0.02	0.02
2017	Research	ngf.	Other ngf.	Market squid	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Medusafish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	*Mola mola* (sunfish)	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	North Pacific armhook squid	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Northern anchovy	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Northern lampfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.25	0.25
2017	Research	ngf.	Other ngf.	Octopus squid	0.00	0.00	0.00	0.03	0.03
2017	Research	ngf.	Other ngf.	Pacific blacksmelt	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific butterfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific glass shrimp	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	PHLB	0.00	0.00	0.00	10.39	10.39
2017	Research	ngf.	Other ngf.	Pacific herring	0.00	0.00	0.00	0.07	0.07
2017	Research	ngf.	Other ngf.	Pacific mackerel	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Pacific sardine	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific scabbardfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific sleeper shark	0.00	0.00	0.00	0.11	0.11
2017	Research	ngf.	Other ngf.	Pacific staghorn sculpin	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific tomcod	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pacific viperfish	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Pelagic red crab	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Praya, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Rabbit-eared salp	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Red rock crab	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Robust blacksmelt	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Salmon shark	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Salp, unid.	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Sandpaper squid	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Research	ngf.	Other ngf.	Scallop, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Sea anemone, unid.	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Other ngf.	Shining loosejaw	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Shrimp, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Sixgill shark	0.00	0.00	0.00	5.00	5.00
2017	Research	ngf.	Other ngf.	Skate, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Squid, unid.	0.00	0.00	0.00	0.07	0.07
2017	Research	ngf.	Other ngf.	Starfish, unid.	0.00	0.00	0.00	0.02	0.02
2017	Research	ngf.	Other ngf.	Starry skate	0.00	0.00	0.00	0.04	0.04
2017	Research	ngf.	Other ngf.	Thecosomata, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	*Thetys vagina*	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Tunicate, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Viperfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Walleye pollock	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Other ngf.	Wolf-eel	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Shared ECS	Blacksmelt, unid.	0.00	0.00	0.00	0.01	0.01
2017	Research	ngf.	Shared ECS	Bristlemouth, unid.	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Shared ECS	Deepsea smelt, unid.	0.00	0.00	0.00	0.02	0.02
2017	Research	ngf.	Shared ECS	Duckbill barracudina	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Shared ECS	Lanternfish, unid.	0.00	0.00	0.00	0.03	0.03
2017	Research	ngf.	Shared ECS	Slender barracudina	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Shared ECS	Surf smelt	0.00	0.00	0.00	0.00	0.00
2017	Research	ngf.	Shared ECS	Whitebait smelt	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Arrowtooth flounder	Arrowtooth flounder	0.00	0.01	0.01	0.01	0.01
2017	RBPT	gf.	Big skate	Big skate	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Black rf. (CA)	Black rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.15	0.15	0.15	0.15
2017	RBPT	gf.	Cabezon (CA)	Cabezon	0.00	0.01	0.01	0.02	0.02
2017	RBPT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.14	0.77	0.77	0.92	0.92
2017	RBPT	gf.	Canary rf.	Canary rf.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.65	0.65	0.65	0.65
2017	RBPT	gf.	Cowcod rf. (S of 40°10')	Cowcod rf.	0.00	0.07	0.07	0.07	0.07
2017	RBPT	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	gf.	Dover sole	Dover sole	0.01	10.52	10.52	10.52	10.52
2017	RBPT	gf.	ECS	CA skate	0.00	1.09	1.09	1.09	1.09
2017	RBPT	gf.	ECS	Soupfin shark	0.00	0.04	0.04	0.04	0.04
2017	RBPT	gf.	ECS	Spotted ratfish	0.00	0.73	0.73	0.73	0.73
2017	RBPT	gf.	English sole	English sole	0.80	22.00	22.00	22.80	22.80
2017	RBPT	gf.	Lingcod (S of 40°10')	Lingcod	0.05	0.35	0.35	0.40	0.40

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	RBPT	gf.	Longnose skate	Longnose skate	0.01	0.38	0.38	0.39	0.39
2017	RBPT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.01	0.01	0.02	0.02
2017	RBPT	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.10	0.10	0.10	0.10
2017	RBPT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	gf.	Minor ns. rf. (S of 40°10')	Kelp rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Flag rf.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Greenblotched rf.	0.00	0.08	0.08	0.08	0.08
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Greenstriped rf.	0.00	0.05	0.05	0.05	0.05
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	4.14	4.14	4.14	4.14
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Mexican rf.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Redstripe rf.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Rosy rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Shelf rf., unid.	0.04	0.63	0.63	0.67	0.67
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Speckled rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.05	0.05	0.05	0.05
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	4.96	4.96	4.96	4.96
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Swordspine rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.01	0.56	0.56	0.57	0.57
2017	RBPT	gf.	Minor sl. rf. (S of 40°10')	Aurora rf.	0.00	0.06	0.06	0.06	0.06
2017	RBPT	gf.	Minor sl. rf. (S of 40°10')	Bank rf.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	gf.	Minor sl. rf. (S of 40°10')	Slope rf., unid.	0.04	0.01	0.01	0.05	0.05
2017	RBPT	gf.	Mixed thornyheads	SST/LST	0.01	0.00	0.00	0.01	0.01
2017	RBPT	gf.	Other flatfish	Curlfin sole	0.00	0.06	0.06	0.07	0.07
2017	RBPT	gf.	Other flatfish	Flatfish, unid.	1.04	1.88	1.88	2.92	2.92
2017	RBPT	gf.	Other flatfish	Pacific sanddab	0.09	33.66	33.66	33.75	33.75
2017	RBPT	gf.	Other flatfish	Rex sole	0.00	0.57	0.57	0.57	0.57
2017	RBPT	gf.	Other flatfish	Rock sole	0.11	0.00	0.00	0.11	0.11
2017	RBPT	gf.	Other flatfish	Sanddab, unid.	0.63	0.00	0.00	0.63	0.63
2017	RBPT	gf.	Pacific hake	Pacific hake	0.04	17.05	17.05	17.09	17.09
2017	RBPT	gf.	Petrale sole	Petrale sole	0.43	0.83	0.83	1.26	1.26
2017	RBPT	gf.	Sablefish (S of 36°)	Sablefish	0.00	0.05	0.05	0.05	0.05
2017	RBPT	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.03	0.03	0.03	0.03
2017	RBPT	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.38	0.38	0.38	0.38
2017	RBPT	gf.	Splitnose rf. (S of 40°10')	Splitnose rf.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	ngf.	CA halibut	CA halibut	2.04	0.05	0.05	2.09	2.09
2017	RBPT	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	1.08	1.08	1.08	1.08
2017	RBPT	ngf.	Non-FMP flatfish	Fantail sole	0.15	0.31	0.31	0.46	0.46

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	RBPT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	1.73	1.73	1.73	1.73
2017	RBPT	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	1.78	1.78	1.78	1.78
2017	RBPT	ngf.	Non-FMP flatfish	Slender sole	0.00	2.49	2.49	2.49	2.49
2017	RBPT	ngf.	Other ngf.	Anemone, unid.	0.00	0.10	0.10	0.10	0.10
2017	RBPT	ngf.	Other ngf.	Armed box crab	0.00	0.77	0.77	0.77	0.77
2017	RBPT	ngf.	Other ngf.	Bat ray	0.05	1.54	1.54	1.59	1.59
2017	RBPT	ngf.	Other ngf.	Bivalve, unid.	0.39	0.00	0.00	0.39	0.39
2017	RBPT	ngf.	Other ngf.	Black coral	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Bobtail squid	0.00	0.05	0.05	0.05	0.05
2017	RBPT	ngf.	Other ngf.	Brittle/basket star, unid.	0.00	0.26	0.26	0.26	0.26
2017	RBPT	ngf.	Other ngf.	Brown box crab	0.00	1.41	1.41	1.41	1.41
2017	RBPT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	CA sea cucumber	0.00	0.95	0.95	0.95	0.95
2017	RBPT	ngf.	Other ngf.	CA king crab	0.00	0.78	0.78	0.78	0.78
2017	RBPT	ngf.	Other ngf.	CA lizardfish	0.00	36.34	36.34	36.34	36.34
2017	RBPT	ngf.	Other ngf.	CA tonguefish	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Combfish, unid.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Crab, unid.	0.27	0.07	0.07	0.33	0.33
2017	RBPT	ngf.	Other ngf.	Croaker, unid.	0.02	0.00	0.00	0.02	0.02
2017	RBPT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.17	0.17	0.17	0.17
2017	RBPT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Eelpout, unid.	0.00	5.17	5.17	5.17	5.17
2017	RBPT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	ngf.	Other ngf.	Hermit crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Invertebrate, unid.	0.00	1.74	1.74	1.74	1.74
2017	RBPT	ngf.	Other ngf.	Irregular echinoid	0.00	0.41	0.41	0.41	0.41
2017	RBPT	ngf.	Other ngf.	Isopod, unid.	0.00	0.04	0.04	0.04	0.04
2017	RBPT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.07	0.07	0.07	0.07
2017	RBPT	ngf.	Other ngf.	King crab, unid.	0.03	0.00	0.00	0.03	0.03
2017	RBPT	ngf.	Other ngf.	Longspine combfish	0.00	14.80	14.80	14.80	14.80
2017	RBPT	ngf.	Other ngf.	Mackerel, unid.	0.01	0.00	0.00	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Mantis shrimp	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Market squid	1.32	0.00	0.00	1.32	1.32
2017	RBPT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	10.40	10.40	10.40	10.40
2017	RBPT	ngf.	Other ngf.	Mixed species	16.84	0.00	0.00	16.84	16.84
2017	RBPT	ngf.	Other ngf.	Mollusc, unid.	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Northern anchovy	0.03	0.34	0.34	0.36	0.36
2017	RBPT	ngf.	Other ngf.	Nudibranch, unid.	0.00	2.68	2.68	2.68	2.68

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	RBPT	ngf.	Other ngf.	Octopus, unid.	0.05	0.11	0.11	0.16	0.16
2017	RBPT	ngf.	Other ngf.	Orange sea pen	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Pacific angel shark	0.36	6.73	6.73	7.09	7.09
2017	RBPT	ngf.	Other ngf.	Pacific argentine	0.00	0.02	0.02	0.02	0.02
2017	RBPT	ngf.	Other ngf.	Pacific butterfish	0.00	0.56	0.56	0.56	0.56
2017	RBPT	ngf.	Other ngf.	Pacific electric ray	0.00	2.60	2.60	2.60	2.60
2017	RBPT	ngf.	Other ngf.	Pacific hagfish	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Pacific rock crab	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Pacific sardine	0.01	0.00	0.00	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Pink surfperch	0.00	0.83	0.83	0.83	0.83
2017	RBPT	ngf.	Other ngf.	Plainfin midshipman	0.00	6.95	6.95	6.95	6.95
2017	RBPT	ngf.	Other ngf.	Poacher, unid.	0.00	0.27	0.27	0.27	0.27
2017	RBPT	ngf.	Other ngf.	Queenfish	0.01	0.00	0.00	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Red rock crab	2.82	0.02	0.02	2.84	2.84
2017	RBPT	ngf.	Other ngf.	Redtail surfperch	0.00	0.01	0.01	0.01	0.01
2017	RBPT	ngf.	Other ngf.	Ridgeback prawn	160.69	24.92	24.92	185.61	185.61
2017	RBPT	ngf.	Other ngf.	Salp, unid.	0.00	0.87	0.87	0.87	0.87
2017	RBPT	ngf.	Other ngf.	Sculpin, unid.	0.02	0.08	0.08	0.10	0.10
2017	RBPT	ngf.	Other ngf.	Sea cucumber, unid.	0.05	1.22	1.22	1.27	1.27
2017	RBPT	ngf.	Other ngf.	Sea pen	0.00	0.04	0.04	0.04	0.04
2017	RBPT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.48	0.48	0.48	0.48
2017	RBPT	ngf.	Other ngf.	Sea star, unid.	0.00	3.09	3.09	3.09	3.09
2017	RBPT	ngf.	Other ngf.	Shark, unid.	0.07	0.00	0.00	0.07	0.07
2017	RBPT	ngf.	Other ngf.	Shiner surfperch	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Shortspine combfish	0.00	0.75	0.75	0.75	0.75
2017	RBPT	ngf.	Other ngf.	Shrimp, unid.	0.16	0.34	0.34	0.51	0.51
2017	RBPT	ngf.	Other ngf.	Skate, unid.	1.01	0.02	0.02	1.03	1.03
2017	RBPT	ngf.	Other ngf.	Smooth stargazer	0.00	0.14	0.14	0.14	0.14
2017	RBPT	ngf.	Other ngf.	Specklefin midshipman	0.00	0.62	0.62	0.62	0.62
2017	RBPT	ngf.	Other ngf.	Spiny lithode crab	0.00	0.02	0.02	0.02	0.02
2017	RBPT	ngf.	Other ngf.	Splitnose searobin	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Spot prawn	0.18	0.03	0.03	0.21	0.21
2017	RBPT	ngf.	Other ngf.	Spotted cusk-eel	0.00	0.06	0.06	0.06	0.06
2017	RBPT	ngf.	Other ngf.	Squat lobster, unid.	0.00	9.41	9.41	9.41	9.41
2017	RBPT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.03	0.03	0.03	0.03
2017	RBPT	ngf.	Other ngf.	Swell shark	0.00	0.04	0.04	0.04	0.04
2017	RBPT	ngf.	Other ngf.	Triggerfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	RBPT	ngf.	Other ngf.	Tunicate, unid.	0.00	2.05	2.05	2.05	2.05
2017	RBPT	ngf.	Other ngf.	Urchin, unid.	0.00	4.01	4.01	4.01	4.01

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	RBPT	ngf.	Other ngf.	White croaker	9.00	14.08	14.08	23.08	23.08
2017	RBPT	ngf.	Other ngf.	Worm, unid.	0.00	0.02	0.02	0.02	0.02
2017	RBPT	ngf.	Other ngf.	Yellow rock crab	0.00	0.44	0.44	0.44	0.44
2017	RBPT	ngf.	Shared ECS	Non-eulachon smelt, unid.	0.00	0.03	0.03	0.03	0.03
2017	RBPT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.36	0.36	0.36	0.36
2017	SCT	gf.	Big skate	Big skate	0.00	0.06	0.06	0.06	0.06
2017	SCT	gf.	Bocaccio rf. (S of 40°10')	Bocaccio rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	CA scorpionfish (S of 34°27')	CA scorpionfish	0.00	0.16	0.16	0.16	0.16
2017	SCT	gf.	Chilipepper rf. (S of 40°10')	Chilipepper rf.	0.00	0.01	0.01	0.01	0.01
2017	SCT	gf.	Darkblotched rf.	Darkblotched rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Dover sole	Dover sole	0.00	0.05	0.05	0.05	0.05
2017	SCT	gf.	ECS	CA skate	0.00	1.58	1.58	1.58	1.58
2017	SCT	gf.	English sole	English sole	0.02	1.35	1.35	1.38	1.38
2017	SCT	gf.	Lingcod (S of 40°10')	Lingcod	0.00	0.04	0.04	0.04	0.04
2017	SCT	gf.	Longnose skate	Longnose skate	0.00	0.02	0.02	0.02	0.02
2017	SCT	gf.	Minor ns. rf. (S of 40°10')	Brown rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Minor ns. rf. (S of 40°10')	Calico rf.	0.00	0.05	0.05	0.05	0.05
2017	SCT	gf.	Minor ns. rf. (S of 40°10')	Copper rf.	0.01	0.11	0.11	0.12	0.12
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Freckled rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Greenspotted rf.	0.00	0.01	0.01	0.01	0.01
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Halfbanded rf.	0.00	0.64	0.64	0.64	0.64
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Rosethorn rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Squarespot rf.	0.00	0.02	0.02	0.02	0.02
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Starry rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Stripetail rf.	0.00	0.06	0.06	0.06	0.06
2017	SCT	gf.	Minor sh. rf. (S of 40°10')	Vermilion rf.	0.00	0.03	0.03	0.04	0.04
2017	SCT	gf.	Other flatfish	Curlfin sole	0.00	0.01	0.01	0.01	0.01
2017	SCT	gf.	Other flatfish	Flatfish, unid.	0.01	0.00	0.00	0.01	0.01
2017	SCT	gf.	Other flatfish	Pacific sanddab	0.00	0.20	0.20	0.20	0.20
2017	SCT	gf.	Other flatfish	Sanddab, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Petrale sole	Petrale sole	0.00	0.01	0.01	0.01	0.01
2017	SCT	gf.	Shortbelly rf.	Shortbelly rf.	0.00	0.00	0.00	0.00	0.00
2017	SCT	gf.	Spiny dogfish	Spiny dogfish shark	0.00	0.17	0.17	0.17	0.17
2017	SCT	ngf.	Non-FMP flatfish	Bigmouth sole	0.00	0.07	0.07	0.07	0.07
2017	SCT	ngf.	Non-FMP flatfish	Fantail sole	0.00	0.14	0.14	0.15	0.15
2017	SCT	ngf.	Non-FMP flatfish	Hornyhead turbot	0.00	0.16	0.16	0.16	0.16
2017	SCT	ngf.	Non-FMP flatfish	Longfin sanddab	0.00	0.15	0.15	0.15	0.15
2017	SCT	ngf.	Other ngf.	Anemone, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Armed box crab	0.00	0.20	0.20	0.20	0.20

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	SCT	ngf.	Other ngf.	Bat ray	0.00	0.41	0.41	0.41	0.41
2017	SCT	ngf.	Other ngf.	Bobtail squid	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Brown smoothhound shark	0.00	0.02	0.02	0.02	0.02
2017	SCT	ngf.	Other ngf.	CA lizardfish	0.00	0.80	0.80	0.80	0.80
2017	SCT	ngf.	Other ngf.	CA tonguefish	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Crab, unid.	0.00	0.10	0.10	0.10	0.10
2017	SCT	ngf.	Other ngf.	Cusk-eel, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Decorator/spider crab, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Eelpout, unid.	0.00	0.01	0.01	0.01	0.01
2017	SCT	ngf.	Other ngf.	Graceful crab	0.00	0.01	0.01	0.01	0.01
2017	SCT	ngf.	Other ngf.	Hagfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Horny gorgonian	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Invertebrate, unid.	0.00	0.02	0.02	0.02	0.02
2017	SCT	ngf.	Other ngf.	Isopod, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Jellyfish, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Longspine combfish	0.00	0.57	0.57	0.57	0.57
2017	SCT	ngf.	Other ngf.	Midshipman (toadfish), unid.	0.00	0.47	0.47	0.47	0.47
2017	SCT	ngf.	Other ngf.	Nudibranch, unid.	0.00	1.36	1.36	1.36	1.36
2017	SCT	ngf.	Other ngf.	Ocean whitefish	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Octopus, unid.	0.00	0.01	0.01	0.01	0.01
2017	SCT	ngf.	Other ngf.	Pacific angel shark	0.00	1.76	1.76	1.76	1.76
2017	SCT	ngf.	Other ngf.	Pacific butterfish	0.00	0.01	0.01	0.01	0.01
2017	SCT	ngf.	Other ngf.	Pacific electric ray	0.00	0.28	0.28	0.28	0.28
2017	SCT	ngf.	Other ngf.	Pacific rock crab	0.00	0.13	0.13	0.13	0.13
2017	SCT	ngf.	Other ngf.	Poacher, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Red rock crab	0.01	0.10	0.10	0.11	0.11
2017	SCT	ngf.	Other ngf.	Ridgeback prawn	0.00	0.17	0.17	0.17	0.17
2017	SCT	ngf.	Other ngf.	Rock crab	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Salp, unid.	0.00	0.19	0.19	0.19	0.19
2017	SCT	ngf.	Other ngf.	Sarcastic fringehead	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Sculpin, unid.	0.00	0.08	0.08	0.08	0.08
2017	SCT	ngf.	Other ngf.	Sea cucumber, unid.	13.82	0.24	0.24	14.06	14.06
2017	SCT	ngf.	Other ngf.	Sea snail, unid.	0.00	0.02	0.02	0.02	0.02
2017	SCT	ngf.	Other ngf.	Sea star, unid.	0.00	4.30	4.30	4.30	4.30
2017	SCT	ngf.	Other ngf.	Shark, unid.	0.00	0.05	0.05	0.05	0.05
2017	SCT	ngf.	Other ngf.	Sheep crab	0.00	0.04	0.04	0.04	0.04
2017	SCT	ngf.	Other ngf.	Shortspine combfish	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Sponge, unid.	0.00	0.04	0.04	0.04	0.04
2017	SCT	ngf.	Other ngf.	Squat lobster, unid.	0.00	0.00	0.00	0.00	0.00

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	SCT	ngf.	Other ngf.	Surfperch, unid.	0.00	0.15	0.15	0.15	0.15
2017	SCT	ngf.	Other ngf.	Swell shark	0.00	0.09	0.09	0.09	0.09
2017	SCT	ngf.	Other ngf.	Urchin, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	White croaker	0.00	0.43	0.43	0.43	0.43
2017	SCT	ngf.	Other ngf.	Wolf-eel	0.00	0.02	0.02	0.02	0.02
2017	SCT	ngf.	Other ngf.	Worm, unid.	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Other ngf.	Yellow rock crab	0.00	0.04	0.04	0.04	0.04
2017	SCT	ngf.	Other ngf.	Yellowfin croaker	0.00	0.00	0.00	0.00	0.00
2017	SCT	ngf.	Shared ECS	Non-Humboldt squid, unid.	0.00	0.00	0.00	0.00	0.00
2017	Tribal Shoreside	gf.	Arrowtooth flounder	Arrowtooth flounder	0.44	0.00	0.00	0.44	0.44
2017	Tribal Shoreside	gf.	Big skate	Big skate	0.14	0.00	0.00	0.14	0.14
2017	Tribal Shoreside	gf.	Canary rf.	Canary rf.	13.63	0.00	0.00	13.63	13.63
2017	Tribal Shoreside	gf.	Darkblotched rf.	Darkblotched rf.	0.32	0.00	0.00	0.32	0.32
2017	Tribal Shoreside	gf.	Dover sole	Dover sole	124.00	0.00	0.00	124.00	124.00
2017	Tribal Shoreside	gf.	ECS	Soupfin shark	0.02	0.00	0.00	0.02	0.02
2017	Tribal Shoreside	gf.	English sole	English sole	71.11	0.00	0.00	71.11	71.11
2017	Tribal Shoreside	gf.	Lingcod (N of 40°10')	Lingcod	23.34	0.00	0.00	23.34	23.34
2017	Tribal Shoreside	gf.	Longnose skate	Longnose skate	7.00	0.00	0.00	7.00	7.00
2017	Tribal Shoreside	gf.	LST (N of 34°27')	LST	0.11	0.00	0.00	0.11	0.11
2017	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Copper rf.	0.01	0.00	0.00	0.01	0.01
2017	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Nearshore rf., unid.	0.00	0.00	0.00	0.00	0.00
2017	Tribal Shoreside	gf.	Minor ns. rf. (N of 40°10')	Quillback rf.	0.05	0.00	0.00	0.05	0.05
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Bocaccio rf.	7.20	0.00	0.00	7.20	7.20
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Greenstriped rf.	0.50	0.00	0.00	0.50	0.50
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Harlequin rf.	0.00	0.00	0.00	0.00	0.00
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Redstripe rf.	0.48	0.00	0.00	0.48	0.48
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Rosethorn rf.	0.36	0.00	0.00	0.36	0.36
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Shelf rf., unid.	0.12	0.00	0.00	0.12	0.12
2017	Tribal Shoreside	gf.	Minor sh. rf. (N of 40°10')	Silvergray rf.	5.56	0.00	0.00	5.56	5.56
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Aurora rf.	0.02	0.00	0.00	0.02	0.02
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Blackgill rf.	0.09	0.00	0.00	0.09	0.09
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Redbanded rf.	12.46	0.00	0.00	12.46	12.46
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Rougheye/blackspotted rf.	16.62	0.00	0.00	16.62	16.62
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Shortraker rf.	1.09	0.00	0.00	1.09	1.09
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Slope rf., unid.	0.01	0.00	0.00	0.01	0.01
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Splitnose rf.	0.04	0.00	0.00	0.04	0.04
2017	Tribal Shoreside	gf.	Minor sl. rf. (N of 40°10')	Yellowmouth rf.	0.00	0.00	0.00	0.00	0.00
2017	Tribal Shoreside	gf.	Other flatfish	Flatfish, unid.	29.85	0.00	0.00	29.85	29.85
2017	Tribal Shoreside	gf.	Other flatfish	Rex sole	77.64	0.00	0.00	77.64	77.64

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Year	Sector	Type	Grouping	Species	TL	TD	D+DMR	TC	Mort.
2017	Tribal Shoreside	gf.	Other flatfish	Rock sole	7.26	0.00	0.00	7.26	7.26
2017	Tribal Shoreside	gf.	Other flatfish	Sand sole	0.11	0.00	0.00	0.11	0.11
2017	Tribal Shoreside	gf.	Other flatfish	Sanddab, unid.	0.07	0.00	0.00	0.07	0.07
2017	Tribal Shoreside	gf.	Pacific cod	Pacific cod	112.53	0.00	0.00	112.53	112.53
2017	Tribal Shoreside	gf.	Pacific hake	Pacific hake	6405.50	0.00	0.00	6405.50	6405.50
2017	Tribal Shoreside	gf.	POP (N of 40°10')	POP	1.32	0.00	0.00	1.32	1.32
2017	Tribal Shoreside	gf.	Petrale sole	Petrale sole	183.31	0.00	0.00	183.31	183.31
2017	Tribal Shoreside	gf.	Sablefish (N of 36°)	Sablefish	466.36	0.00	0.00	466.36	466.36
2017	Tribal Shoreside	gf.	Shortbelly rf.	Shortbelly rf.	0.01	0.00	0.00	0.01	0.01
2017	Tribal Shoreside	gf.	SST (N of 34°27')	SST	43.02	0.00	0.00	43.02	43.02
2017	Tribal Shoreside	gf.	Spiny dogfish	Spiny dogfish shark	7.28	0.00	0.00	7.28	7.28
2017	Tribal Shoreside	gf.	Starry flounder	Starry flounder	0.01	0.00	0.00	0.01	0.01
2017	Tribal Shoreside	gf.	Widow rf.	Widow rf.	10.64	0.00	0.00	10.64	10.64
2017	Tribal Shoreside	gf.	Yelloweye rf.	Yelloweye rf.	0.61	0.00	0.00	0.61	0.61
2017	Tribal Shoreside	gf.	Yellowtail rf. (N of 40°10')	Yellowtail rf.	244.34	0.00	0.00	244.34	244.34
2017	Tribal Shoreside	ngf.	Dungeness crab	Dungeness crab	1376.48	0.00	0.00	1376.48	1376.48
2017	Tribal Shoreside	ngf.	Other ngf.	American shad	3.10	0.00	0.00	3.10	3.10
2017	Tribal Shoreside	ngf.	Other ngf.	Common thresher shark	0.16	0.00	0.00	0.16	0.16
2017	Tribal Shoreside	ngf.	Other ngf.	Jack mackerel	3.13	0.00	0.00	3.13	3.13
2017	Tribal Shoreside	ngf.	Other ngf.	Manila clam	10.54	0.00	0.00	10.54	10.54
2017	Tribal Shoreside	ngf.	Other ngf.	Mixed species	0.15	0.00	0.00	0.15	0.15
2017	Tribal Shoreside	ngf.	Other ngf.	Octopus, unid.	0.31	0.00	0.00	0.31	0.31
2017	Tribal Shoreside	ngf.	Other ngf.	Pacific herring	3.65	0.00	0.00	3.65	3.65
2017	Tribal Shoreside	ngf.	Other ngf.	Pacific oyster	1.89	0.00	0.00	1.89	1.89
2017	Tribal Shoreside	ngf.	Other ngf.	Shark, unid.	0.01	0.00	0.00	0.01	0.01
2017	Tribal Shoreside	ngf.	Other ngf.	Skate, unid.	120.13	0.00	0.00	120.13	120.13
2017	Tribal Shoreside	ngf.	Other ngf.	Squid, unid.	0.04	0.00	0.00	0.04	0.04
2017	Tribal Shoreside	ngf.	Other ngf.	Walleye pollock	38.87	0.00	0.00	38.87	38.87
2017	Tribal Shoreside	ngf.	Shared ECS	Smelt, unid.	0.00	0.00	0.00	0.00	0.00