

The Hawaii Limited Access Longline Logbook Summary Report 1 January to 31 December 2013¹

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The following tables represent effort, retained catch (kept), and discards (released) as reported on longline log sheets for the Hawaii limited-access longline fishery. To satisfy confidentiality RFMO reporting standards, data from the California-based longline fishery is also included in this report. Effort-and-catch statistics are summarized from logbook data submitted to the PIFSC, FRMD and are based on date of longline haul. The statistics originate from an Oracle table LLDS_REPORT_STATS_HICA database extraction done on 22 June 2016. When a statistic (number of vessels, trips) can involve dates of haul in 2 summary periods (i.e. years, semi-annual, quarters) the item is counted in both summary periods. Thus, a trip total is for “partial and completed” trips. As such, these are not additive statistics (i.e. sum of 4 quarters is not the total for the year, etc).

¹PIFSC Data Report DR-16-055.

Issued 11 October 2016.

Table 1. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	1,444
Number of sets	19,693
Number of hooks set	47,906,575

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,004	3,970	34	0.08
Striped marlin	12,920	12,820	100	0.27
Shortbill spearfish	14,991	14,919	72	0.31
Swordfish	14,993	13,497	1,496	0.31
Other billfishes	465	451	14	0.01
Total	47,373	45,657	1,716	0.99
Shark PMUS				
Blue shark	52,053	22	52,031	1.09
Mako sharks	3,746	601	3,145	0.08
Thresher sharks	6,532	72	6,460	0.14
Oceanic whitetip shark	487	3	484	0.01
Silky shark	270	1	269	0.01
Other Sharks	746	3	743	0.02
Total	63,834	702	63,132	1.33
Tuna PMUS				
Albacore	15,294	15,142	152	0.32
Bigeye tuna	194,055	190,838	3,217	4.05
Yellowfin tuna	19,436	19,241	195	0.41
Bluefin tuna	7	7	0	0.00
Skipjack tuna	32,167	31,752	415	0.67
Other tunas	20	6	14	0.00
Total	260,979	256,986	3,993	5.45
Other PMUS				
Mahimahi	80,475	79,775	700	1.68
Moonfish	23,706	23,518	188	0.49
Wahoo	14,379	14,321	58	0.30
Oilfish	33,719	32,802	917	0.70
Pomfret	78,617	78,162	455	1.64
Total	230,896	228,578	2,318	4.82
Total PMUS	603,082	531,923	71,159	12.59
Total Non-PMUS	5,208	1,185	4,023	0.11
Total All Species	608,290	533,108	75,182	12.70

Table 2. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	132
Number of trips (partial or completed)	589
Number of sets	3,590
Number of hooks set	8,741,447

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	796	780	16	0.09
Striped marlin	3,530	3,488	42	0.40
Shortbill spearfish	3,279	3,264	15	0.38
Swordfish	748	536	212	0.09
Other billfishes	114	111	3	0.01
Total	8,467	8,179	288	0.97
Shark PMUS				
Blue shark	11,306	21	11,285	1.29
Mako sharks	443	103	340	0.05
Thresher sharks	576	21	555	0.07
Oceanic whitetip shark	105	2	103	0.01
Silky shark	16	1	15	0.00
Other Sharks	124	1	123	0.01
Total	12,570	149	12,421	1.44
Tuna PMUS				
Albacore	1,272	1,271	1	0.15
Bigeye tuna	32,485	31,982	503	3.72
Yellowfin tuna	4,512	4,447	65	0.52
Bluefin tuna	0	0	0	0.00
Skipjack tuna	6,522	6,459	63	0.75
Other tunas	5	5	0	0.00
Total	44,796	44,164	632	5.12
Other PMUS				
Mahimahi	13,077	13,005	72	1.50
Moonfish	1,838	1,831	7	0.21
Wahoo	1,926	1,918	8	0.22
Oilfish	7,215	7,045	170	0.83
Pomfret	7,846	7,761	85	0.90
Total	31,902	31,560	342	3.65
Total PMUS	97,735	84,052	13,683	11.18
Total Non-PMUS	1,696	674	1,022	0.19
Total All Species	99,431	84,726	14,705	11.37

Table 3. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area Northwestern Hawaiian Islands EEZ

Number of vessels active	111
Number of trips (partial or completed)	270
Number of sets	1,787
Number of hooks set	4,270,690

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	424	423	1	0.10
Striped marlin	2,410	2,385	25	0.56
Shortbill spearfish	2,187	2,174	13	0.51
Swordfish	1,681	1,557	124	0.39
Other billfishes	81	81	0	0.02
Total	6,783	6,620	163	1.59
Shark PMUS				
Blue shark	8,339	0	8,339	1.95
Mako sharks	341	68	273	0.08
Thresher sharks	396	14	382	0.09
Oceanic whitetip shark	59	0	59	0.01
Silky shark	4	0	4	0.00
Other Sharks	54	0	54	0.01
Total	9,193	82	9,111	2.15
Tuna PMUS				
Albacore	2,194	2,181	13	0.51
Bigeye tuna	16,732	16,244	488	3.92
Yellowfin tuna	3,264	3,203	61	0.76
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,932	3,903	29	0.92
Other tunas	0	0	0	0.00
Total	26,122	25,531	591	6.12
Other PMUS				
Mahimahi	5,313	5,273	40	1.24
Moonfish	1,125	1,124	1	0.26
Wahoo	994	989	5	0.23
Oilfish	3,461	3,406	55	0.81
Pomfret	3,204	3,172	32	0.75
Total	14,097	13,964	133	3.30
Total PMUS	56,195	46,197	9,998	13.16
Total Non-PMUS	270	106	164	0.06
Total All Species	56,465	46,303	10,162	13.22

Table 4. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area Pacific Remote Island Areas (PRIA) EEZ

Number of vessels active	63
Number of trips (partial or completed)	93
Number of sets	462
Number of hooks set	1,169,836

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	201	200	1	0.17
Striped marlin	171	171	0	0.15
Shortbill spearfish	482	478	4	0.41
Swordfish	112	108	4	0.10
Other billfishes	33	33	0	0.03
Total	999	990	9	0.85
Shark PMUS				
Blue shark	1,246	0	1,246	1.07
Mako sharks	82	9	73	0.07
Thresher sharks	246	1	245	0.21
Oceanic whitetip shark	159	0	159	0.14
Silky shark	226	0	226	0.19
Other Sharks	318	0	318	0.27
Total	2,277	10	2,267	1.95
Tuna PMUS				
Albacore	1,435	1,424	11	1.23
Bigeye tuna	4,445	4,359	86	3.80
Yellowfin tuna	942	918	24	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,134	1,105	29	0.97
Other tunas	0	0	0	0.00
Total	7,956	7,806	150	6.80
Other PMUS				
Mahimahi	966	964	2	0.83
Moonfish	116	114	2	0.10
Wahoo	783	773	10	0.67
Oilfish	848	835	13	0.72
Pomfret	2,467	2,424	43	2.11
Total	5,180	5,110	70	4.43
Total PMUS	16,412	13,916	2,496	14.03
Total Non-PMUS	132	9	123	0.11
Total All Species	16,544	13,925	2,619	14.14

Table 5. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	135
Number of trips (partial or completed)	794
Number of sets	5,839
Number of hooks set	14,181,973

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,421	1,403	18	0.10
Striped marlin	6,111	6,044	67	0.43
Shortbill spearfish	5,948	5,916	32	0.42
Swordfish	2,541	2,201	340	0.18
Other billfishes	228	225	3	0.02
Total	16,249	15,789	460	1.15
Shark PMUS				
Blue shark	20,891	21	20,870	1.47
Mako sharks	866	180	686	0.06
Thresher sharks	1,218	36	1,182	0.09
Oceanic whitetip shark	323	2	321	0.02
Silky shark	246	1	245	0.02
Other Sharks	496	1	495	0.03
Total	24,040	241	23,799	1.70
Tuna PMUS				
Albacore	4,901	4,876	25	0.35
Bigeye tuna	53,662	52,585	1,077	3.78
Yellowfin tuna	8,718	8,568	150	0.61
Bluefin tuna	0	0	0	0.00
Skipjack tuna	11,588	11,467	121	0.82
Other tunas	5	5	0	0.00
Total	78,874	77,501	1,373	5.56
Other PMUS				
Mahimahi	19,356	19,242	114	1.36
Moonfish	3,079	3,069	10	0.22
Wahoo	3,703	3,680	23	0.26
Oilfish	11,524	11,286	238	0.81
Pomfret	13,517	13,357	160	0.95
Total	51,179	50,634	545	3.61
Total PMUS	170,342	144,165	26,177	12.01
Total Non-PMUS	2,098	789	1,309	0.15
Total All Species	172,440	144,954	27,486	12.16

Table 6. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types All Sets
Fishing Area Outside U.S. EEZ

Number of vessels active	133
Number of trips (partial or completed)	1,219
Number of sets	13,854
Number of hooks set	33,724,602

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,583	2,567	16	0.08
Striped marlin	6,809	6,776	33	0.20
Shortbill spearfish	9,043	9,003	40	0.27
Swordfish	12,452	11,296	1,156	0.37
Other billfishes	237	226	11	0.01
Total	31,124	29,868	1,256	0.92
Shark PMUS				
Blue shark	31,162	1	31,161	0.92
Mako sharks	2,880	421	2,459	0.09
Thresher sharks	5,314	36	5,278	0.16
Oceanic whitetip shark	164	1	163	0.00
Silky shark	24	0	24	0.00
Other Sharks	250	2	248	0.01
Total	39,794	461	39,333	1.18
Tuna PMUS				
Albacore	10,393	10,266	127	0.31
Bigeye tuna	140,393	138,253	2,140	4.16
Yellowfin tuna	10,718	10,673	45	0.32
Bluefin tuna	7	7	0	0.00
Skipjack tuna	20,579	20,285	294	0.61
Other tunas	15	1	14	0.00
Total	182,105	179,485	2,620	5.40
Other PMUS				
Mahimahi	61,119	60,533	586	1.81
Moonfish	20,627	20,449	178	0.61
Wahoo	10,676	10,641	35	0.32
Oilfish	22,195	21,516	679	0.66
Pomfret	65,100	64,805	295	1.93
Total	179,717	177,944	1,773	5.33
Total PMUS	432,740	387,758	44,982	12.83
Total Non-PMUS	3,110	396	2,714	0.09
Total All Species	435,850	388,154	47,696	12.92

Table 7. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	15
Number of trips (partial or completed)	58
Number of sets	961
Number of hooks set	1,059,091

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	63	62	1	0.06
Striped marlin	390	378	12	0.37
Shortbill spearfish	116	107	9	0.11
Swordfish	10,729	9,795	934	10.13
Other billfishes	8	8	0	0.01
Total	11,306	10,350	956	10.68
Shark PMUS				
Blue shark	5,149	0	5,149	4.86
Mako sharks	1,033	86	947	0.98
Thresher sharks	50	0	50	0.05
Oceanic whitetip shark	29	0	29	0.03
Silky shark	0	0	0	0.00
Other Sharks	22	0	22	0.02
Total	6,283	86	6,197	5.93
Tuna PMUS				
Albacore	561	469	92	0.53
Bigeye tuna	452	419	33	0.43
Yellowfin tuna	202	202	0	0.19
Bluefin tuna	3	3	0	0.00
Skipjack tuna	17	16	1	0.02
Other tunas	0	0	0	0.00
Total	1,235	1,109	126	1.17
Other PMUS				
Mahimahi	3,674	3,518	156	3.47
Moonfish	241	147	94	0.23
Wahoo	30	23	7	0.03
Oilfish	1,083	700	383	1.02
Pomfret	132	87	45	0.12
Total	5,160	4,475	685	4.87
Total PMUS	23,984	16,020	7,964	22.65
Total Non-PMUS	12	2	10	0.01
Total All Species	23,996	16,022	7,974	22.66

Table 8. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2013
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	1,386
Number of sets	18,732
Number of hooks set	46,847,484

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,941	3,908	33	0.08
Striped marlin	12,530	12,442	88	0.27
Shortbill spearfish	14,875	14,812	63	0.32
Swordfish	4,264	3,702	562	0.09
Other billfishes	457	443	14	0.01
Total	36,067	35,307	760	0.77
Shark PMUS				
Blue shark	46,904	22	46,882	1.00
Mako sharks	2,713	515	2,198	0.06
Thresher sharks	6,482	72	6,410	0.14
Oceanic whitetip shark	458	3	455	0.01
Silky shark	270	1	269	0.01
Other Sharks	724	3	721	0.02
Total	57,551	616	56,935	1.23
Tuna PMUS				
Albacore	14,733	14,673	60	0.31
Bigeye tuna	193,603	190,419	3,184	4.13
Yellowfin tuna	19,234	19,039	195	0.41
Bluefin tuna	4	4	0	0.00
Skipjack tuna	32,150	31,736	414	0.69
Other tunas	20	6	14	0.00
Total	259,744	255,877	3,867	5.54
Other PMUS				
Mahimahi	76,801	76,257	544	1.64
Moonfish	23,465	23,371	94	0.50
Wahoo	14,349	14,298	51	0.31
Oilfish	32,636	32,102	534	0.70
Pomfret	78,485	78,075	410	1.68
Total	225,736	224,103	1,633	4.82
Total PMUS	579,098	515,903	63,195	12.36
Total Non-PMUS	5,196	1,183	4,013	0.11
Total All Species	584,294	517,086	67,208	12.47

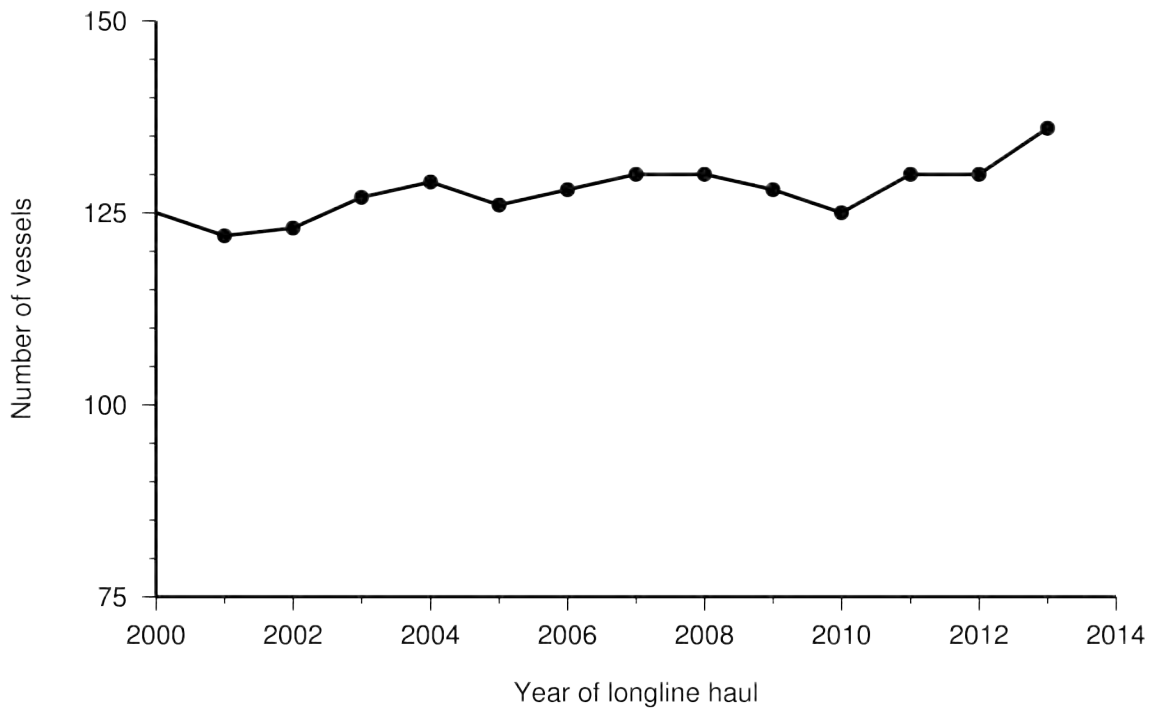


Figure 1. Number of active longline vessels based in Hawaii and California, by year, 2000-2013.

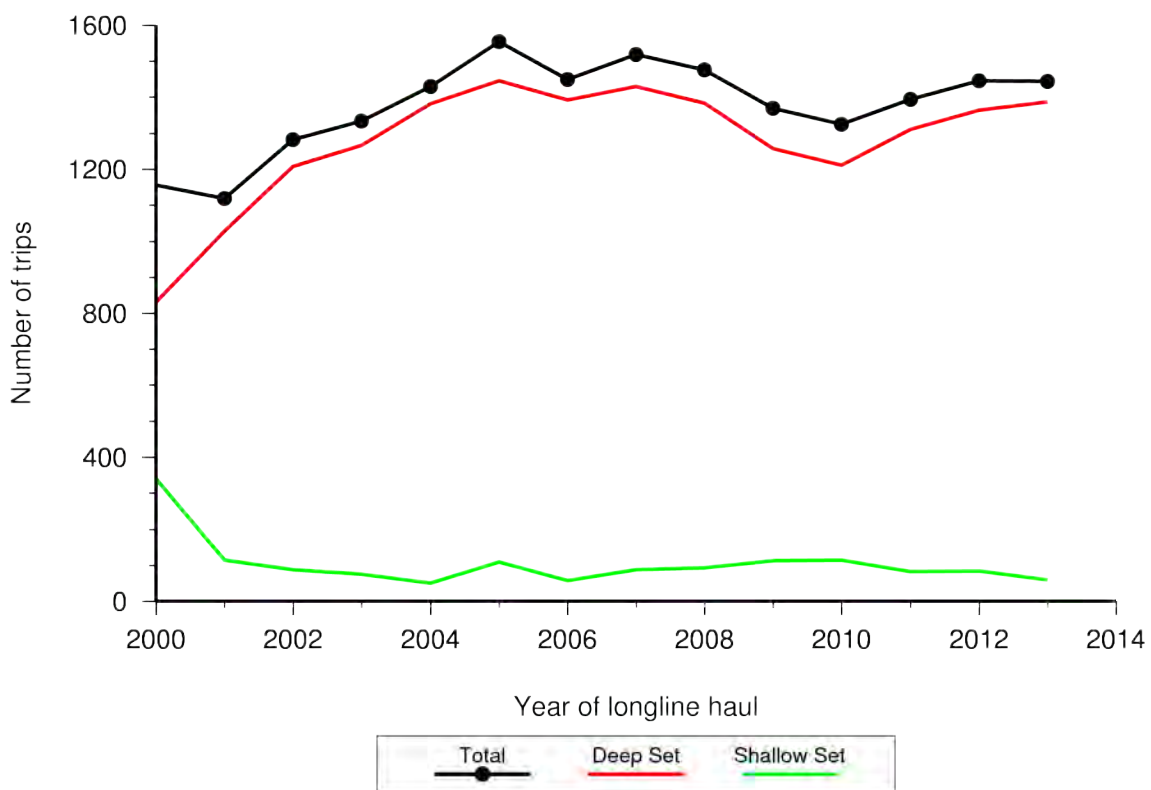


Figure 2. Number of fishing trips by longline vessels based in Hawaii and California, by year and set type, 2000-2013.

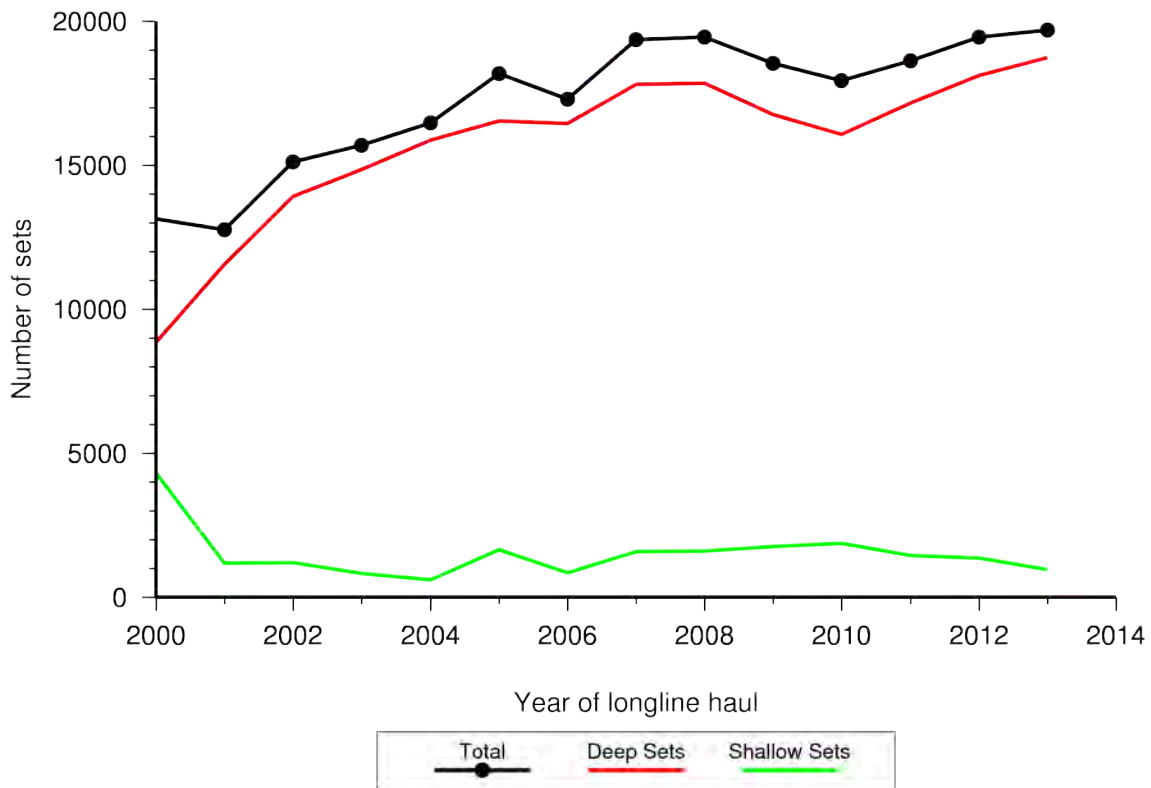


Figure 3. Number of fishing sets by longline vessels based in Hawaii and California, by year and set type, 2000-2013.

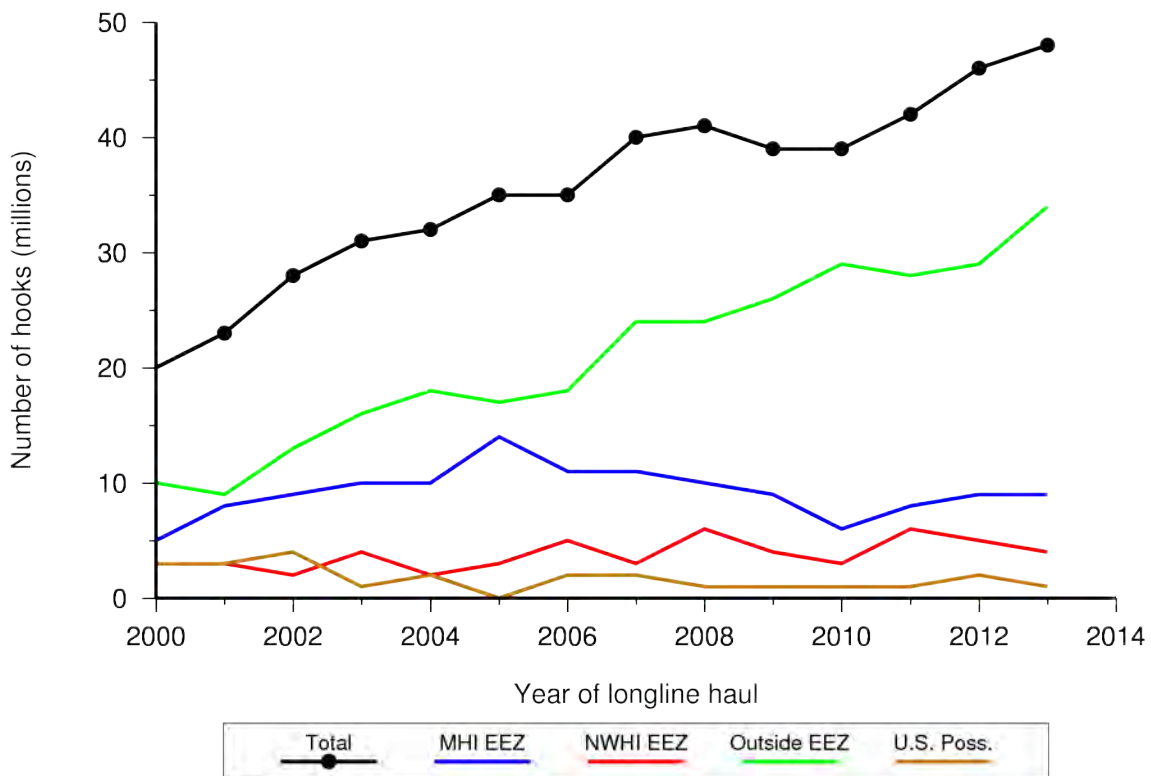


Figure 4. Number of hooks in millions, set by longline vessels based in Hawaii and California, by year and fishing area, 2000-2013

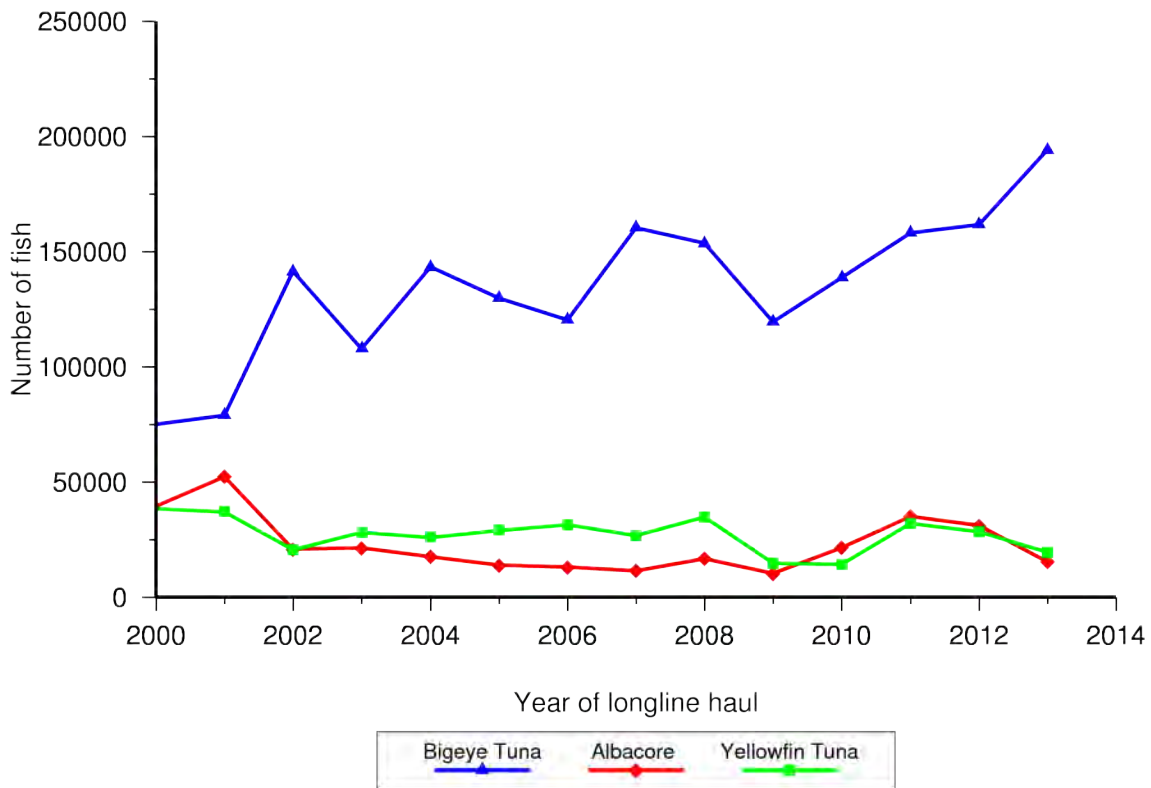


Figure 5. Annual catch (kept + released) of albacore, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2013.

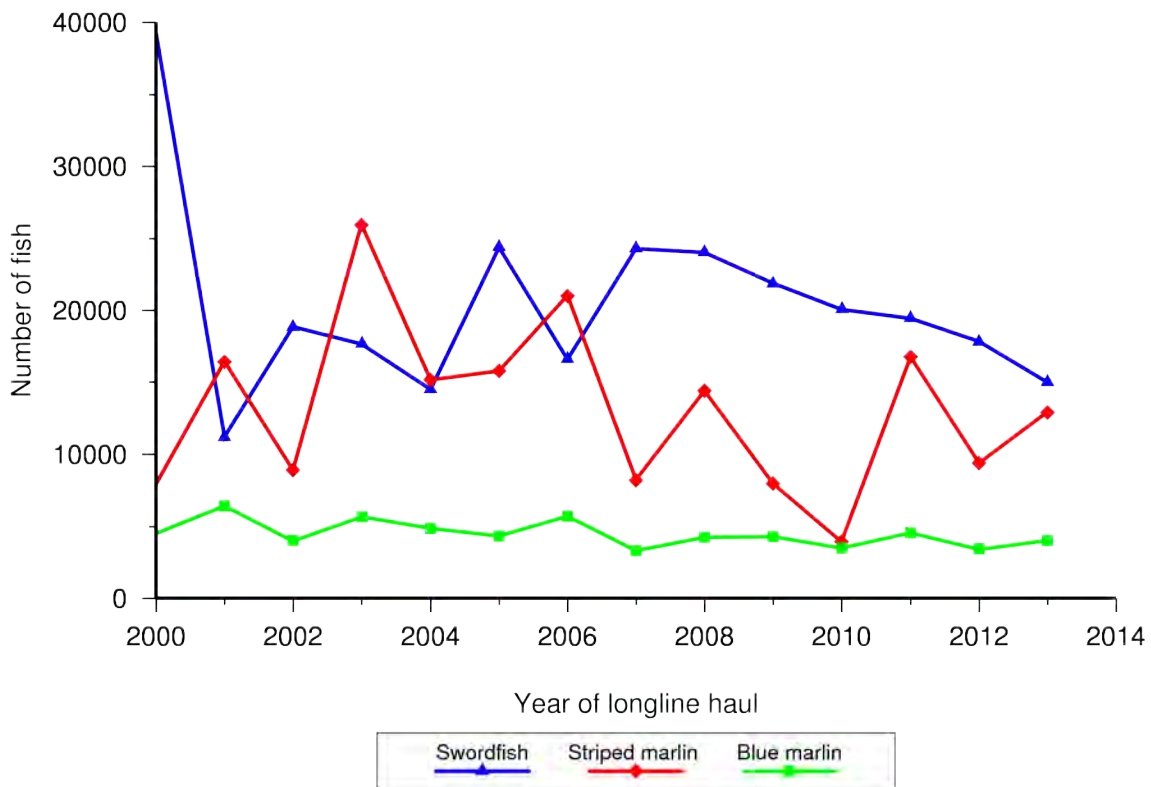


Figure 6. Annual catch (kept + released) of blue marlin, striped marlin, and swordfish by longline vessels based in Hawaii and California, by year, 2000-2013

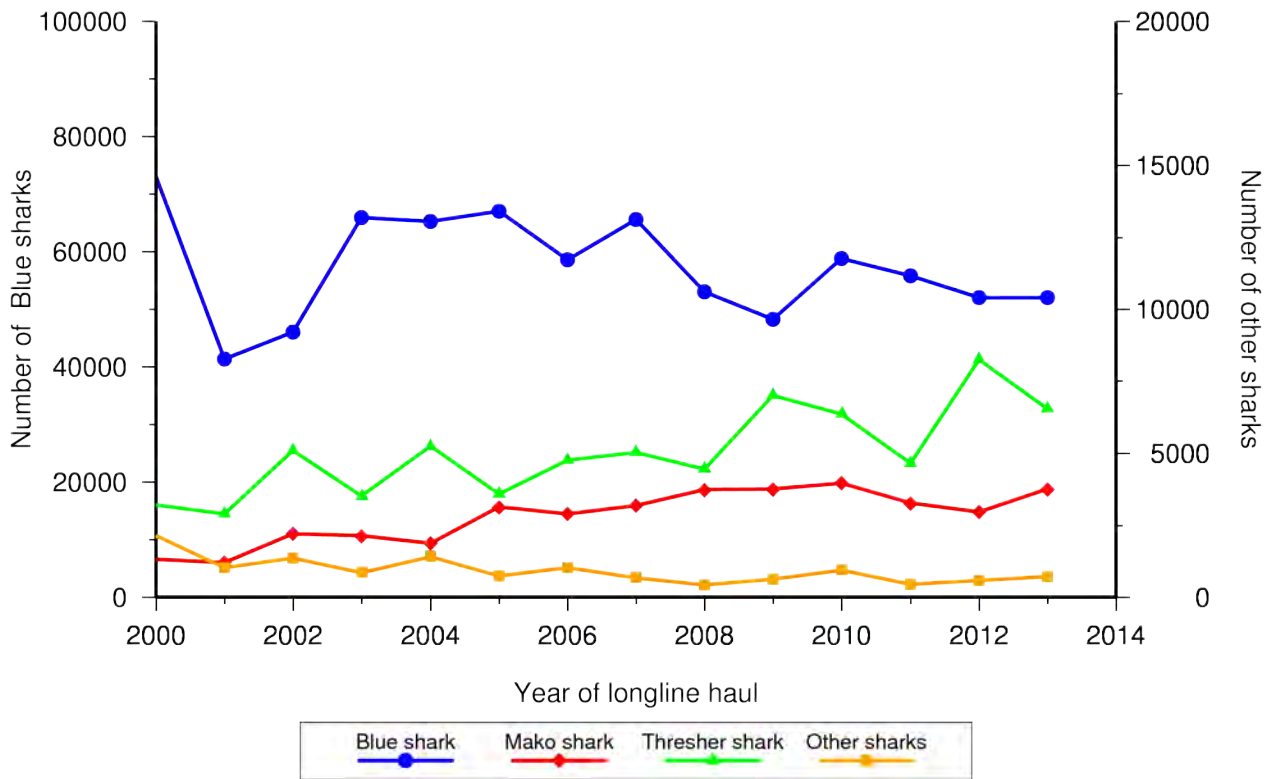


Figure 7. Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, 2000-2013

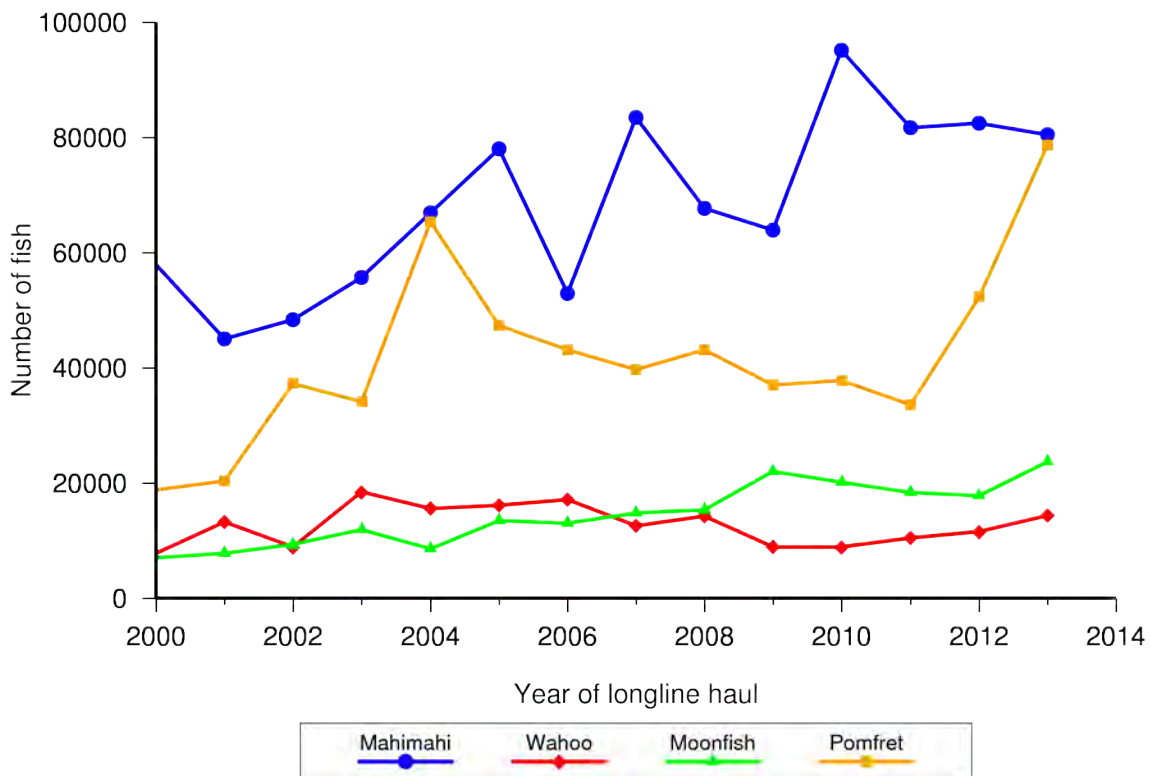


Figure 8. Annual catch (kept + released) of mahimahi, moonfish, pomfret, and wahoo by longline vessels based in Hawaii and California, 2000-2013