

The Hawaii Limited Access Longline Logbook Summary Report January to December 2016¹

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The following tables represent preliminary summaries of effort, retained catch (kept) and discards (released) as reported on longline log sheets for the Hawaii limited-access longline fishery. To satisfy confidentiality and 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_REPORTS_STATS_HICA database extraction done on 15 February 2017. When a statistic (number of vessels, trips) can involve dates of haul in two summary periods (i.e. years, semi-annual or quarters) the item is counted in both summary periods. Thus, a vessel or trip total is for "partial or completed" vessel or trip summary. As such, these are not additive statistics (i.e. sum of four quarters is not the total for the year, etc.).

¹ PIFSC Data Report DR-17-009.
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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 2016
Set Types All Sets
Fishing Area All Areas

Number of vessels active	142
Number of trips (partial or completed)	1,394
Number of sets	18,658
Number of hooks set	48,119,566

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,021	5,951	70	0.13
Striped marlin	10,826	10,640	186	0.22
Shortbill spearfish	22,381	22,087	294	0.47
Swordfish	13,925	12,939	986	0.29
Other billfishes	840	830	10	0.02
Total	53,993	52,447	1,546	1.12
Shark PMUS				
Blue shark	77,773	6	77,767	1.62
Mako sharks	5,011	778	4,233	0.10
Thresher sharks	9,930	45	9,885	0.21
Oceanic whitetip shark	1,016	0	1,016	0.02
Silky shark	298	0	298	0.01
Other Sharks	915	3	912	0.02
Total	94,943	832	94,111	1.97
Tuna PMUS				
Albacore	9,811	9,791	20	0.20
Bigeye tuna	202,454	198,923	3,531	4.21
Yellowfin tuna	40,421	39,687	734	0.84
Bluefin tuna	5	4	1	0.00
Skipjack tuna	28,105	27,606	499	0.58
Other tunas	6	6	0	0.00
Total	280,802	276,017	4,785	5.84
Other PMUS				
Mahimahi	48,539	48,246	293	1.01
Wahoo	28,928	28,829	99	0.60
Oilfish	26,282	23,680	2,602	0.55
Pomfret	77,405	77,074	331	1.61
Total	181,154	177,829	3,325	3.76
Total PMUS	610,892	507,125	103,767	12.70
Total Non-PMUS	5,945	1,016	4,929	0.12
Total All Species	616,837	508,141	108,696	12.82

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 2016
Set Types All Sets
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	127
Number of trips (partial or completed)	575
Number of sets	3,833
Number of hooks set	9,708,540

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,503	1,483	20	0.15
Striped marlin	2,632	2,625	7	0.27
Shortbill spearfish	5,229	5,196	33	0.54
Swordfish	1,350	1,230	120	0.14
Other billfishes	249	249	0	0.03
Total	10,963	10,783	180	1.13
Shark PMUS				
Blue shark	16,063	0	16,063	1.65
Mako sharks	786	128	658	0.08
Thresher sharks	1,170	6	1,164	0.12
Oceanic whitetip shark	295	0	295	0.03
Silky shark	114	0	114	0.01
Other Sharks	219	0	219	0.02
Total	18,647	134	18,513	1.92
Tuna PMUS				
Albacore	889	886	3	0.09
Bigeye tuna	34,111	33,297	814	3.51
Yellowfin tuna	8,994	8,787	207	0.93
Bluefin tuna	0	0	0	0.00
Skipjack tuna	7,262	7,074	188	0.75
Other tunas	0	0	0	0.00
Total	51,256	50,044	1,212	5.28
Other PMUS				
Mahimahi	8,073	8,037	36	0.83
Wahoo	4,706	4,693	13	0.48
Oilfish	5,031	4,663	368	0.52
Pomfret	13,280	13,196	84	1.37
Total	31,090	30,589	501	3.20
Total PMUS	111,956	91,550	20,406	11.53
Total Non-PMUS	861	613	248	0.09
Total All Species	112,817	92,163	20,654	11.62

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 2016
Set Types All Sets
Fishing Area Northwestern Hawaiian Islands EEZ

Number of vessels active	77
Number of trips (partial or completed)	133
Number of sets	646
Number of hooks set	1,630,915

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	206	203	3	0.13
Striped marlin	934	927	7	0.57
Shortbill spearfish	1,197	1,195	2	0.73
Swordfish	973	866	107	0.60
Other billfishes	17	17	0	0.01
Total	3,327	3,208	119	2.04
Shark PMUS				
Blue shark	3,742	0	3,742	2.29
Mako sharks	305	37	268	0.19
Thresher sharks	154	0	154	0.09
Oceanic whitetip shark	49	0	49	0.03
Silky shark	1	0	1	0.00
Other Sharks	8	0	8	0.00
Total	4,259	37	4,222	2.61
Tuna PMUS				
Albacore	757	757	0	0.46
Bigeye tuna	5,616	5,498	118	3.44
Yellowfin tuna	1,982	1,952	30	1.22
Bluefin tuna	0	0	0	0.00
Skipjack tuna	822	811	11	0.50
Other tunas	0	0	0	0.00
Total	9,177	9,018	159	5.63
Other PMUS				
Mahimahi	670	661	9	0.41
Wahoo	642	636	6	0.39
Oilfish	881	609	272	0.54
Pomfret	1,500	1,499	1	0.92
Total	3,693	3,405	288	2.26
Total PMUS	20,456	15,668	4,788	12.54
Total Non-PMUS	81	61	20	0.05
Total All Species	20,537	15,729	4,808	12.59

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 2016
Set Types All Sets
Fishing Area Pacific Remote Island Areas (PRIA) EEZ

Number of vessels active	7
Number of trips (partial or completed)	7
Number of sets	45
Number of hooks set	110,410

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	44	44	0	0.40
Striped marlin	7	7	0	0.06
Shortbill spearfish	10	10	0	0.09
Swordfish	15	15	0	0.14
Other billfishes	7	7	0	0.06
Total	83	83	0	0.75
Shark PMUS				
Blue shark	137	0	137	1.24
Mako sharks	0	0	0	0.00
Thresher sharks	35	0	35	0.32
Oceanic whitetip shark	20	0	20	0.18
Silky shark	2	0	2	0.02
Other Sharks	2	0	2	0.02
Total	196	0	196	1.78
Tuna PMUS				
Albacore	0	0	0	0.00
Bigeye tuna	576	547	29	5.22
Yellowfin tuna	205	205	0	1.86
Bluefin tuna	0	0	0	0.00
Skipjack tuna	152	149	3	1.38
Other tunas	0	0	0	0.00
Total	933	901	32	8.45
Other PMUS				
Mahimahi	5	5	0	0.05
Wahoo	55	55	0	0.50
Oilfish	2	2	0	0.02
Pomfret	80	80	0	0.72
Total	142	142	0	1.29
Total PMUS	1,354	1,126	228	12.26
Total Non-PMUS	0	0	0	0.00
Total All Species	1,354	1,126	228	12.26

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 2016
Set Types All Sets
Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	130
Number of trips (partial or completed)	640
Number of sets	4,524
Number of hooks set	11,449,865

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,753	1,730	23	0.15
Striped marlin	3,573	3,559	14	0.31
Shortbill spearfish	6,436	6,401	35	0.56
Swordfish	2,338	2,111	227	0.20
Other billfishes	273	273	0	0.02
Total	14,373	14,074	299	1.26
Shark PMUS				
Blue shark	19,942	0	19,942	1.74
Mako sharks	1,091	165	926	0.10
Thresher sharks	1,359	6	1,353	0.12
Oceanic whitetip shark	364	0	364	0.03
Silky shark	117	0	117	0.01
Other Sharks	229	0	229	0.02
Total	23,102	171	22,931	2.02
Tuna PMUS				
Albacore	1,646	1,643	3	0.14
Bigeye tuna	40,303	39,342	961	3.52
Yellowfin tuna	11,181	10,944	237	0.98
Bluefin tuna	0	0	0	0.00
Skipjack tuna	8,236	8,034	202	0.72
Other tunas	0	0	0	0.00
Total	61,366	59,963	1,403	5.36
Other PMUS				
Mahimahi	8,748	8,703	45	0.76
Wahoo	5,403	5,384	19	0.47
Oilfish	5,914	5,274	640	0.52
Pomfret	14,860	14,775	85	1.30
Total	34,925	34,136	789	3.05
Total PMUS	133,766	108,344	25,422	11.68
Total Non-PMUS	942	674	268	0.08
Total All Species	134,708	109,018	25,690	11.77

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 2016
Set Types All Sets
Fishing Area Outside U.S. EEZ

Number of vessels active	142
Number of trips (partial or completed)	1,232
Number of sets	14,134
Number of hooks set	36,669,701

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,268	4,221	47	0.12
Striped marlin	7,253	7,081	172	0.20
Shortbill spearfish	15,945	15,686	259	0.43
Swordfish	11,587	10,828	759	0.32
Other billfishes	567	557	10	0.02
Total	39,620	38,373	1,247	1.08
Shark PMUS				
Blue shark	57,831	6	57,825	1.58
Mako sharks	3,920	613	3,307	0.11
Thresher sharks	8,571	39	8,532	0.23
Oceanic whitetip shark	652	0	652	0.02
Silky shark	181	0	181	0.00
Other Sharks	686	3	683	0.02
Total	71,841	661	71,180	1.96
Tuna PMUS				
Albacore	8,165	8,148	17	0.22
Bigeye tuna	162,151	159,581	2,570	4.42
Yellowfin tuna	29,240	28,743	497	0.80
Bluefin tuna	5	4	1	0.00
Skipjack tuna	19,869	19,572	297	0.54
Other tunas	6	6	0	0.00
Total	219,436	216,054	3,382	5.98
Other PMUS				
Mahimahi	39,791	39,543	248	1.09
Wahoo	23,525	23,445	80	0.64
Oilfish	20,368	18,406	1,962	0.56
Pomfret	62,545	62,299	246	1.71
Total	146,229	143,693	2,536	3.99
Total PMUS	477,126	398,781	78,345	13.01
Total Non-PMUS	5,003	342	4,661	0.14
Total All Species	482,129	399,123	83,006	13.15

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 2016
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	13
Number of trips (partial or completed)	40
Number of sets	670
Number of hooks set	719,385

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	95	91	4	0.13
Striped marlin	326	296	30	0.45
Shortbill spearfish	160	132	28	0.22
Swordfish	9,027	8,348	679	12.55
Other billfishes	7	7	0	0.01
Total	9,615	8,874	741	13.37
Shark PMUS				
Blue shark	9,774	0	9,774	13.59
Mako sharks	793	98	695	1.10
Thresher sharks	73	1	72	0.10
Oceanic whitetip shark	22	0	22	0.03
Silky shark	0	0	0	0.00
Other Sharks	35	0	35	0.05
Total	10,697	99	10,598	14.87
Tuna PMUS				
Albacore	49	47	2	0.07
Bigeye tuna	889	822	67	1.24
Yellowfin tuna	293	280	13	0.41
Bluefin tuna	0	0	0	0.00
Skipjack tuna	19	17	2	0.03
Other tunas	0	0	0	0.00
Total	1,250	1,166	84	1.74
Other PMUS				
Mahimahi	1,134	1,106	28	1.58
Wahoo	39	38	1	0.05
Oilfish	510	275	235	0.71
Pomfret	17	14	3	0.02
Total	1,700	1,433	267	2.36
Total PMUS	23,262	11,572	11,690	32.34
Total Non-PMUS	1	0	1	0.00
Total All Species	23,263	11,572	11,691	32.34

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 2016
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	142
Number of trips (partial or completed)	1,354
Number of sets	17,988
Number of hooks set	47,400,181

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	5,926	5,860	66	0.13
Striped marlin	10,500	10,344	156	0.22
Shortbill spearfish	22,221	21,955	266	0.47
Swordfish	4,898	4,591	307	0.10
Other billfishes	833	823	10	0.02
Total	44,378	43,573	805	0.94
Shark PMUS				
Blue shark	67,999	6	67,993	1.43
Mako sharks	4,218	680	3,538	0.09
Thresher sharks	9,857	44	9,813	0.21
Oceanic whitetip shark	994	0	994	0.02
Silky shark	298	0	298	0.01
Other Sharks	880	3	877	0.02
Total	84,246	733	83,513	1.78
Tuna PMUS				
Albacore	9,762	9,744	18	0.21
Bigeye tuna	201,565	198,101	3,464	4.25
Yellowfin tuna	40,128	39,407	721	0.85
Bluefin tuna	5	4	1	0.00
Skipjack tuna	28,086	27,589	497	0.59
Other tunas	6	6	0	0.00
Total	279,552	274,851	4,701	5.90
Other PMUS				
Mahimahi	47,405	47,140	265	1.00
Wahoo	28,889	28,791	98	0.61
Oilfish	25,772	23,405	2,367	0.54
Pomfret	77,388	77,060	328	1.63
Total	179,454	176,396	3,058	3.79
Total PMUS	587,630	495,553	92,077	12.40
Total Non-PMUS	5,944	1,016	4,928	0.13
Total All Species	593,574	496,569	97,005	12.52

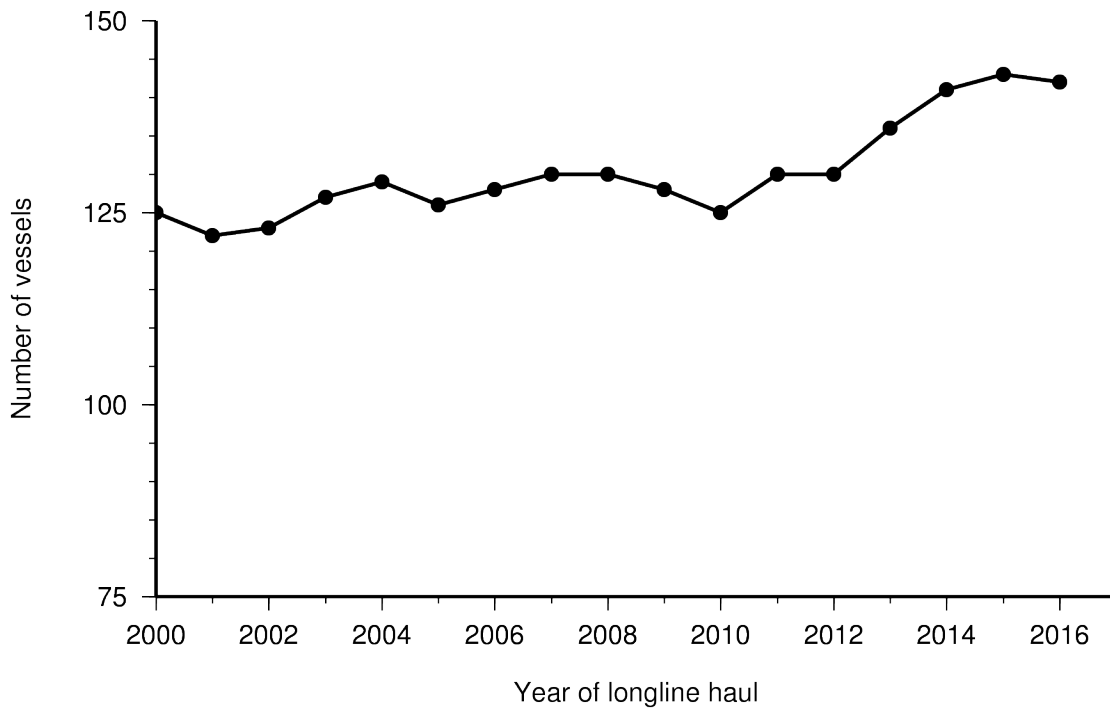


Figure 1. Number of active longline vessels based in Hawaii and California, by year, 2000-2016.

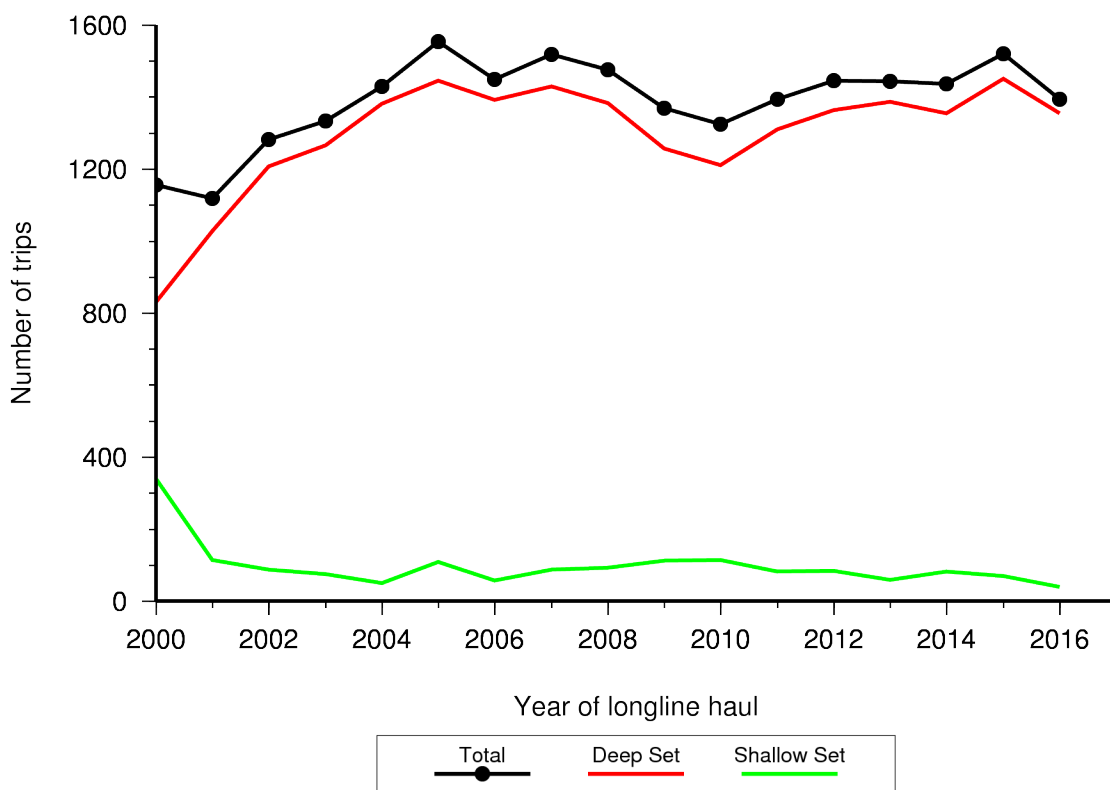


Figure 2. Number of fishing trips by longline vessels based in Hawaii and California, by year and set type, 2000-2016.

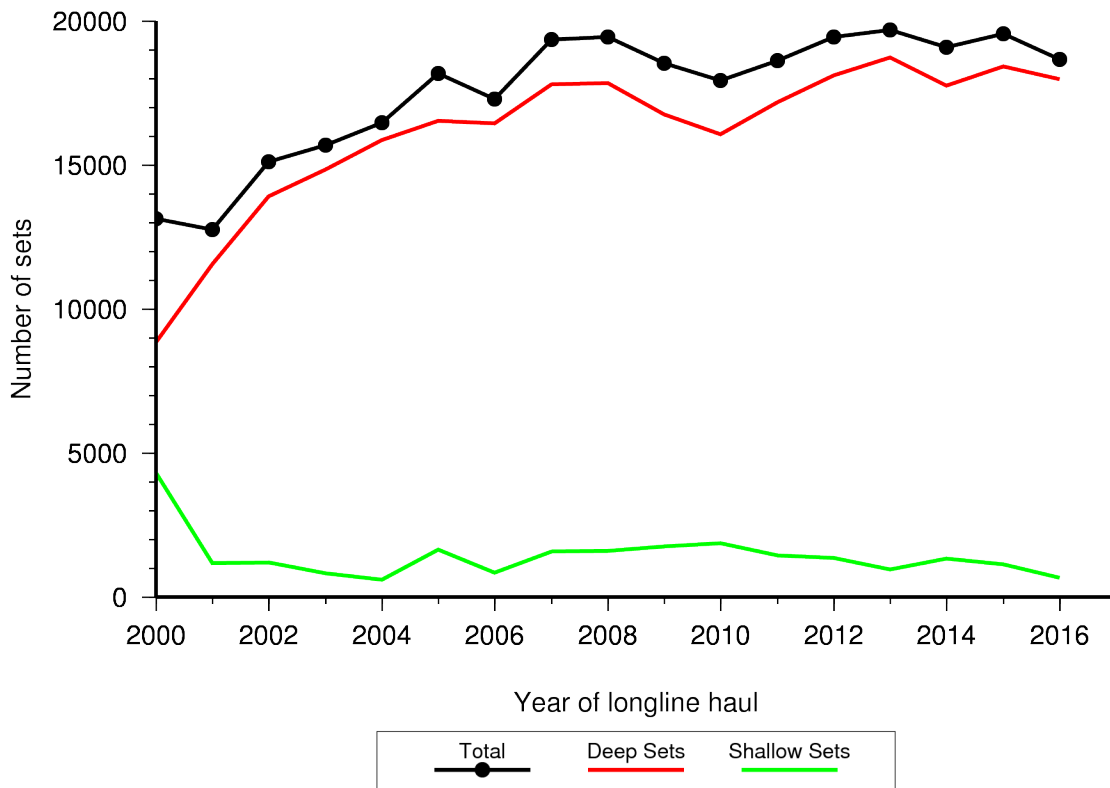


Figure 3. Number of fishing sets by longline vessels based in Hawaii and California, by year and set type, 2000-2016.

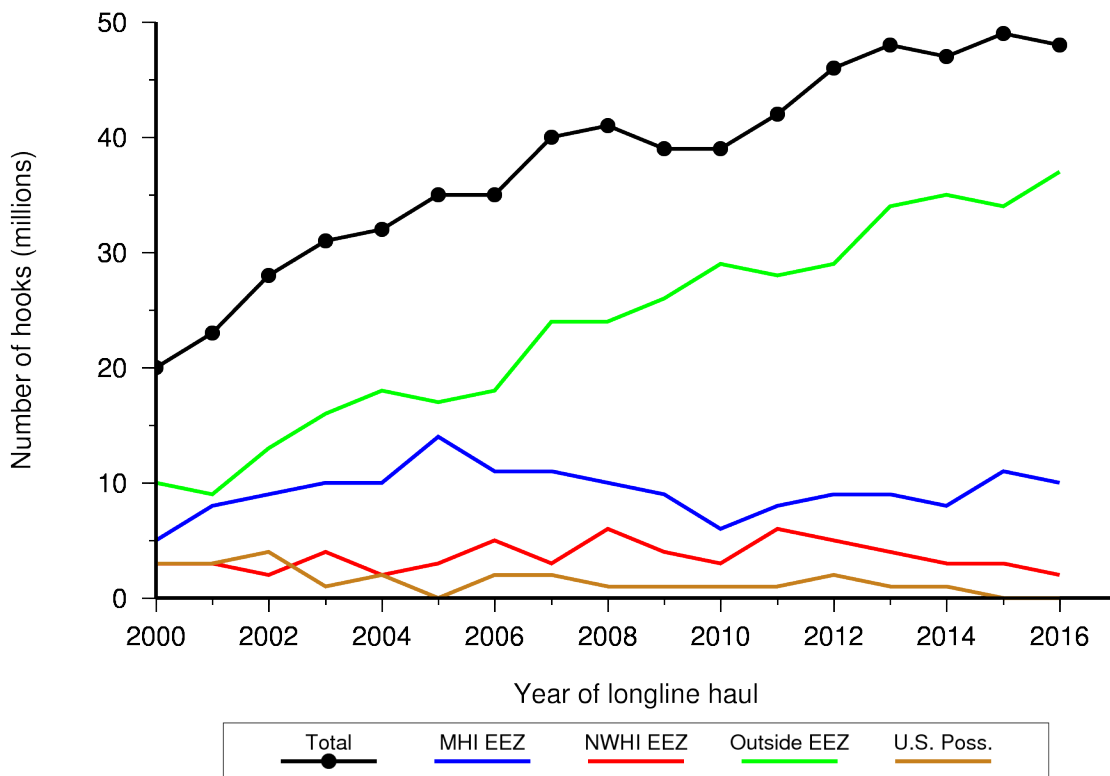


Figure 4. Number of hooks in millions, set by longline vessels based in Hawaii and California, by year and fishing area, 2000-2016

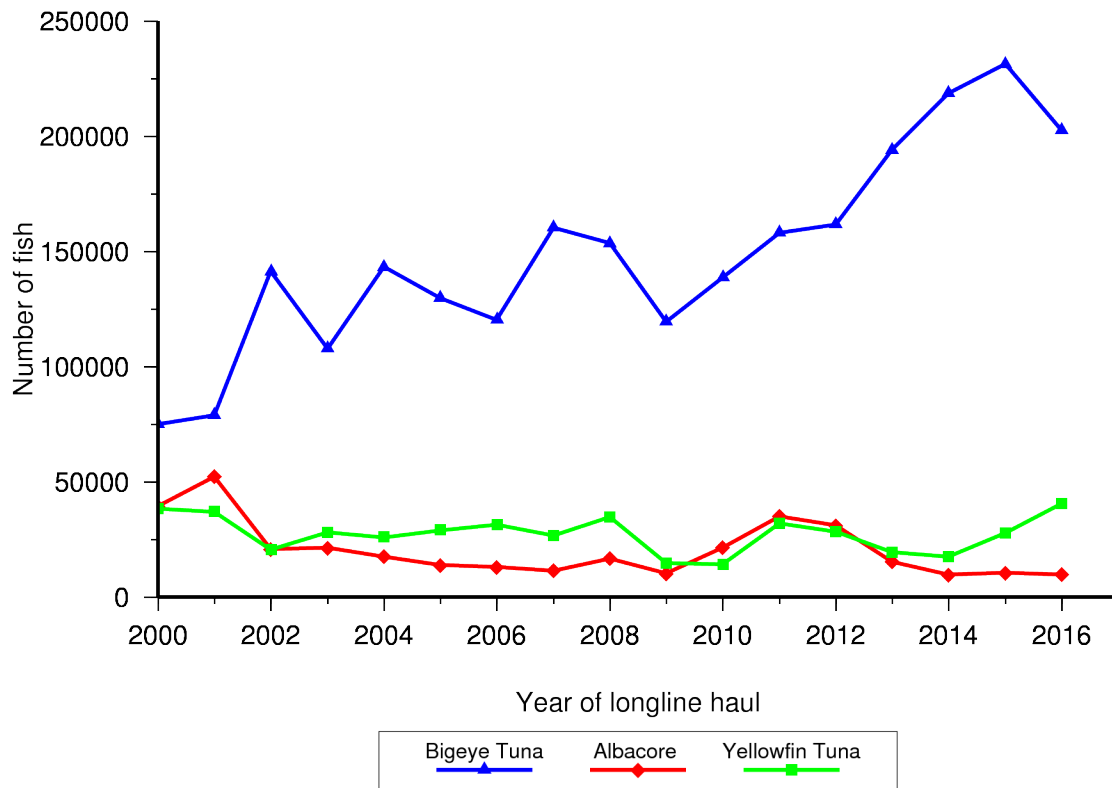


Figure 5. Annual catch (kept + released) of albacore, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2016.

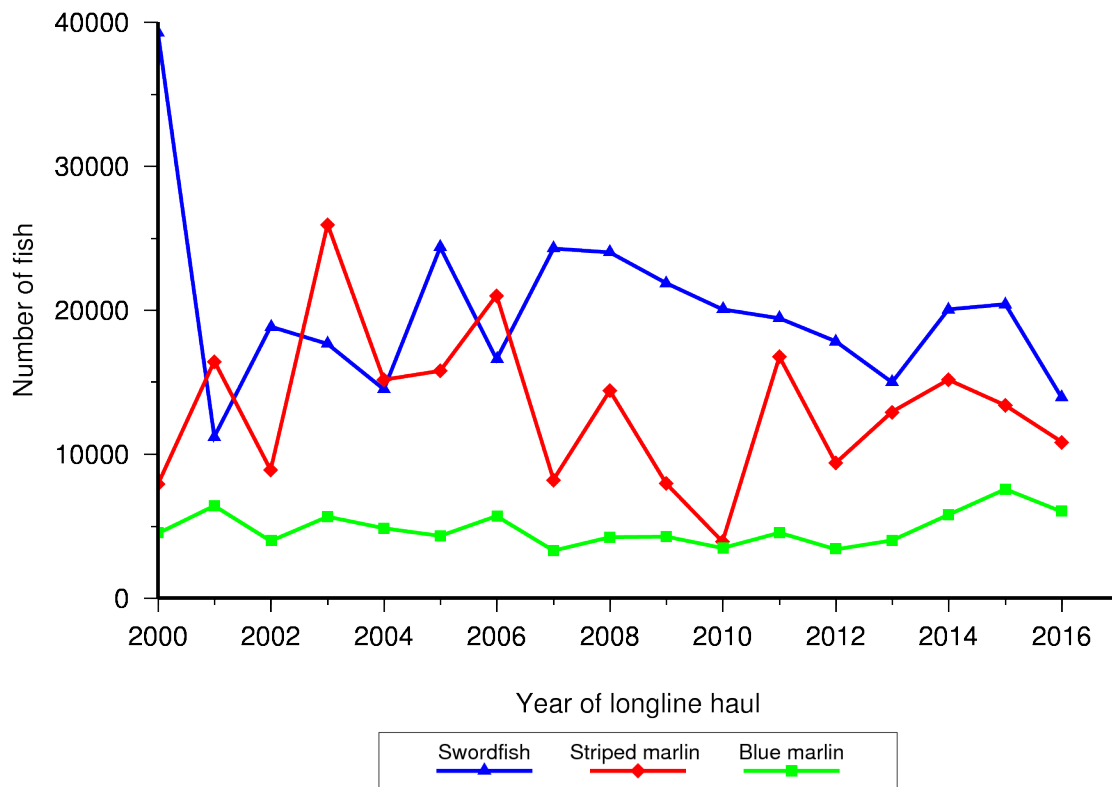


Figure 6. Annual catch (kept + released) of blue marlin, striped marlin, and swordfish by longline vessels based in Hawaii and California, by year, 2000-2016

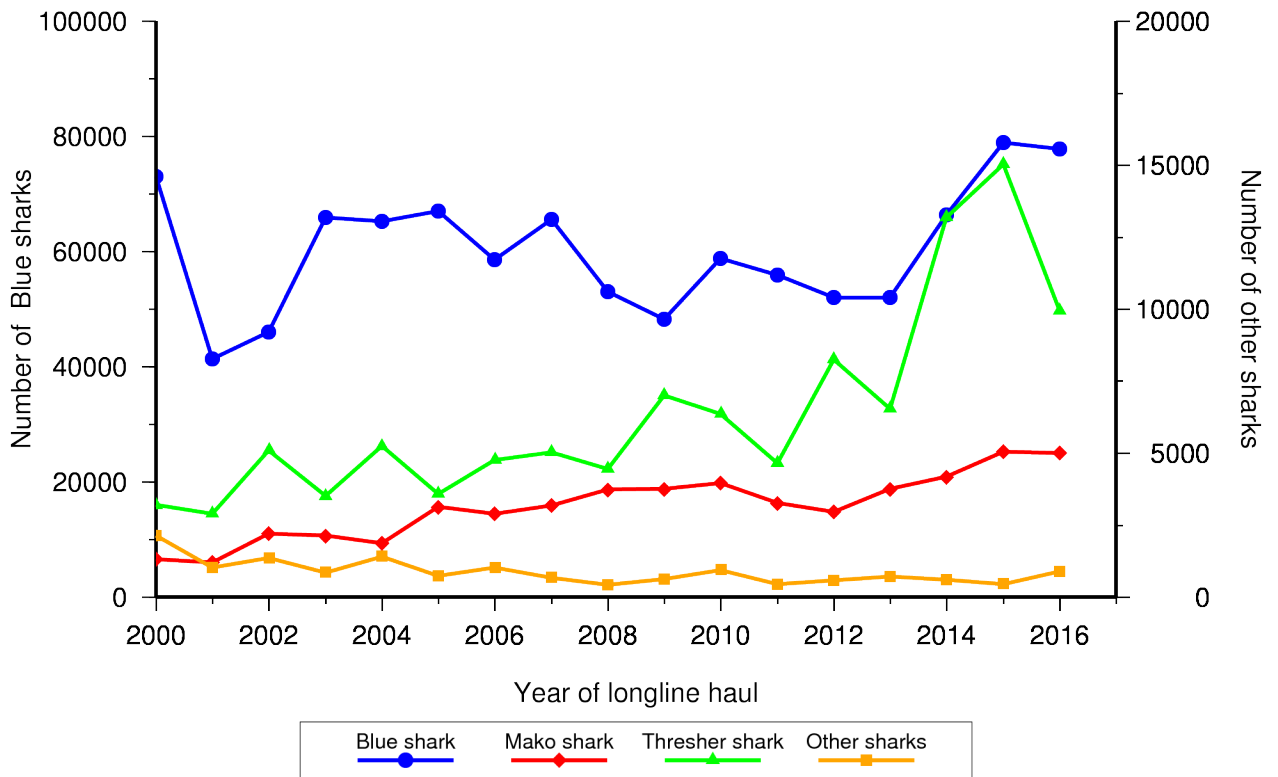


Figure 7. Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, 2000-2016

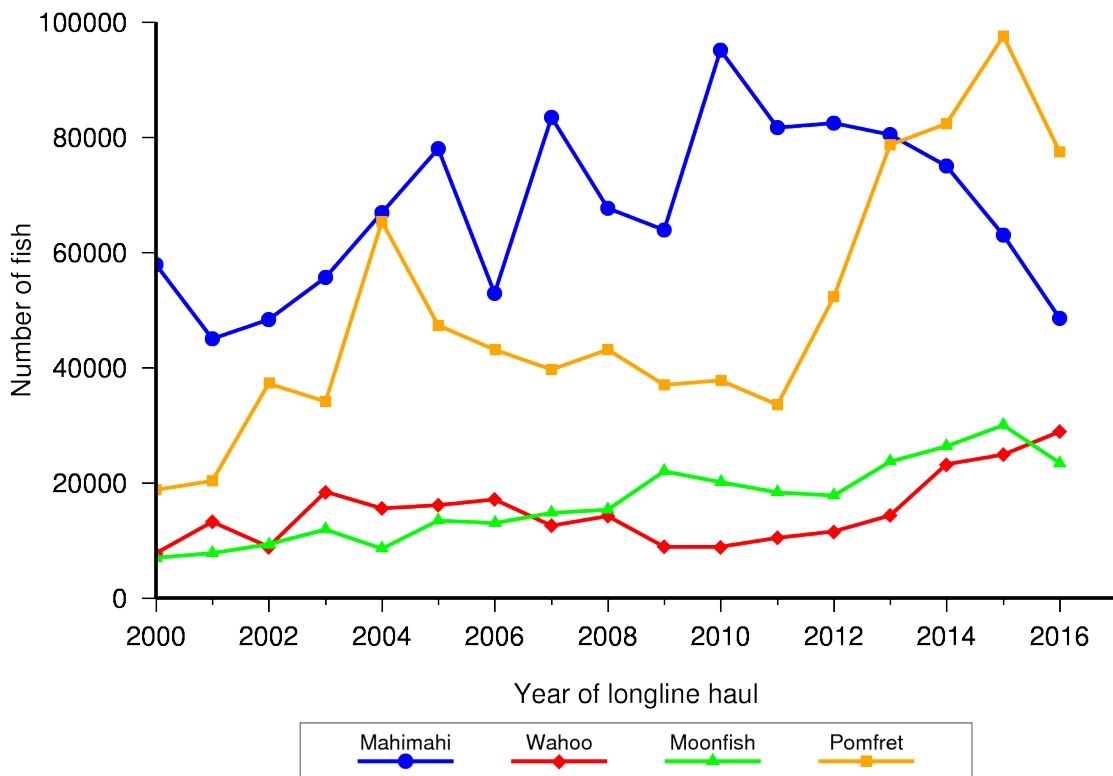


Figure 8. Annual catch (kept + released) of mahimahi, moonfish, pomfret, and wahoo by longline vessels based in Hawaii and California, 2000-2016