

The Hawaii Limited Access Longline Logbook Summary Report 1 January to 31 December 2014¹

Fisheries Research and Monitoring Division, Pacific Islands Fisheries Science Center, National Marine Fisheries Service, NOAA Inouye Regional Center, 1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

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 21 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-16-056.

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, 2014
Set Types All Sets
Fishing Area All Areas

Number of vessels active	141
Number of trips (partial or completed)	1,436
Number of sets	19,085
Number of hooks set	47,124,199

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	5,770	5,714	56	0.12
Striped marlin	15,172	15,068	104	0.32
Shortbill spearfish	16,009	15,858	151	0.34
Swordfish	19,915	18,316	1,599	0.42
Other billfishes	752	737	15	0.02
Total	57,618	55,693	1,925	1.22
Shark PMUS				
Blue shark	66,224	1	66,223	1.41
Mako sharks	4,107	578	3,529	0.09
Thresher sharks	13,188	69	13,119	0.28
Oceanic whitetip shark	701	0	701	0.01
Silky shark	104	1	103	0.00
Other Sharks	623	2	621	0.01
Total	84,947	651	84,296	1.80
Tuna PMUS				
Albacore	9,625	9,489	136	0.20
Bigeye tuna	218,660	216,181	2,479	4.64
Yellowfin tuna	17,407	17,196	211	0.37
Bluefin tuna	2	2	0	0.00
Skipjack tuna	24,218	23,900	318	0.51
Other tunas	37	32	5	0.00
Total	269,949	266,800	3,149	5.73
Other PMUS				
Mahimahi	75,019	73,768	1,251	1.59
Moonfish	26,298	26,029	269	0.56
Wahoo	23,180	23,117	63	0.49
Oilfish	31,371	29,916	1,455	0.67
Pomfret	82,298	81,762	536	1.75
Total	238,166	234,592	3,574	5.05
Total PMUS	650,680	557,736	92,944	13.81
Total Non-PMUS	3,611	772	2,839	0.08
Total All Species	654,291	558,508	95,783	13.88

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, 2014
Set Types All Sets
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	132
Number of trips (partial or completed)	539
Number of sets	3,191
Number of hooks set	7,941,853

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	762	759	3	0.10
Striped marlin	3,479	3,463	16	0.44
Shortbill spearfish	2,893	2,876	17	0.36
Swordfish	971	913	58	0.12
Other billfishes	49	49	0	0.01
Total	8,154	8,060	94	1.03
Shark PMUS				
Blue shark	14,090	1	14,089	1.77
Mako sharks	500	131	369	0.06
Thresher sharks	679	18	661	0.09
Oceanic whitetip shark	123	0	123	0.02
Silky shark	5	0	5	0.00
Other Sharks	103	2	101	0.01
Total	15,500	152	15,348	1.95
Tuna PMUS				
Albacore	538	538	0	0.07
Bigeye tuna	29,802	29,395	407	3.75
Yellowfin tuna	3,161	3,108	53	0.40
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,748	3,683	65	0.47
Other tunas	1	1	0	0.00
Total	37,250	36,725	525	4.69
Other PMUS				
Mahimahi	7,422	7,325	97	0.93
Moonfish	1,371	1,359	12	0.17
Wahoo	2,863	2,846	17	0.36
Oilfish	6,322	6,116	206	0.80
Pomfret	8,304	8,184	120	1.05
Total	26,282	25,830	452	3.31
Total PMUS	87,186	70,767	16,419	10.98
Total Non-PMUS	954	388	566	0.12
Total All Species	88,140	71,155	16,985	11.10

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, 2014
Set Types All Sets
Fishing Area Northwestern Hawaiian Islands EEZ

Number of vessels active	102
Number of trips (partial or completed)	185
Number of sets	1,246
Number of hooks set	2,966,675

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	328	325	3	0.11
Striped marlin	1,678	1,670	8	0.57
Shortbill spearfish	1,392	1,388	4	0.47
Swordfish	1,584	1,446	138	0.53
Other billfishes	71	71	0	0.02
Total	5,053	4,900	153	1.70
Shark PMUS				
Blue shark	5,819	0	5,819	1.96
Mako sharks	211	38	173	0.07
Thresher sharks	326	12	314	0.11
Oceanic whitetip shark	51	0	51	0.02
Silky shark	3	1	2	0.00
Other Sharks	30	0	30	0.01
Total	6,440	51	6,389	2.17
Tuna PMUS				
Albacore	1,227	1,227	0	0.41
Bigeye tuna	13,658	13,481	177	4.60
Yellowfin tuna	2,095	2,043	52	0.71
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,924	3,902	22	1.32
Other tunas	1	1	0	0.00
Total	20,905	20,654	251	7.05
Other PMUS				
Mahimahi	2,444	2,408	36	0.82
Moonfish	801	799	2	0.27
Wahoo	1,246	1,241	5	0.42
Oilfish	2,201	2,087	114	0.74
Pomfret	2,620	2,611	9	0.88
Total	9,312	9,146	166	3.14
Total PMUS	41,710	34,751	6,959	14.06
Total Non-PMUS	40	29	11	0.01
Total All Species	41,750	34,780	6,970	14.07

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, 2014	Number of vessels active	42	
Set Types	All Sets	Number of trips (partial or completed)	61	
Fishing Area	Pacific Remote Island Areas (PRIA) EEZ	Number of sets	317	
		Number of hooks set	815,933	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	184	180	4	0.23
Striped marlin	226	225	1	0.28
Shortbill spearfish	242	242	0	0.30
Swordfish	110	105	5	0.13
Other billfishes	44	43	1	0.05
Total	806	795	11	0.99
Shark PMUS				
Blue shark	848	0	848	1.04
Mako sharks	23	4	19	0.03
Thresher sharks	203	1	202	0.25
Oceanic whitetip shark	184	0	184	0.23
Silky shark	22	0	22	0.03
Other Sharks	78	0	78	0.10
Total	1,358	5	1,353	1.66
Tuna PMUS				
Albacore	442	439	3	0.54
Bigeye tuna	4,121	4,063	58	5.05
Yellowfin tuna	621	606	15	0.76
Bluefin tuna	0	0	0	0.00
Skipjack tuna	902	887	15	1.11
Other tunas	0	0	0	0.00
Total	6,086	5,995	91	7.46
Other PMUS				
Mahimahi	466	466	0	0.57
Moonfish	47	47	0	0.06
Wahoo	750	750	0	0.92
Oilfish	494	491	3	0.61
Pomfret	1,834	1,829	5	2.25
Total	3,591	3,583	8	4.40
Total PMUS	11,841	10,378	1,463	14.51
Total Non-PMUS	24	6	18	0.03
Total All Species	11,865	10,384	1,481	14.54

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, 2014
Set Types All Sets
Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	136
Number of trips (partial or completed)	691
Number of sets	4,754
Number of hooks set	11,724,461

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,274	1,264	10	0.11
Striped marlin	5,383	5,358	25	0.46
Shortbill spearfish	4,527	4,506	21	0.39
Swordfish	2,665	2,464	201	0.23
Other billfishes	164	163	1	0.01
Total	14,013	13,755	258	1.20
Shark PMUS				
Blue shark	20,757	1	20,756	1.77
Mako sharks	734	173	561	0.06
Thresher sharks	1,208	31	1,177	0.10
Oceanic whitetip shark	358	0	358	0.03
Silky shark	30	1	29	0.00
Other Sharks	211	2	209	0.02
Total	23,298	208	23,090	1.99
Tuna PMUS				
Albacore	2,207	2,204	3	0.19
Bigeye tuna	47,581	46,939	642	4.06
Yellowfin tuna	5,877	5,757	120	0.50
Bluefin tuna	0	0	0	0.00
Skipjack tuna	8,574	8,472	102	0.73
Other tunas	2	2	0	0.00
Total	64,241	63,374	867	5.48
Other PMUS				
Mahimahi	10,332	10,199	133	0.88
Moonfish	2,219	2,205	14	0.19
Wahoo	4,859	4,837	22	0.41
Oilfish	9,017	8,694	323	0.77
Pomfret	12,758	12,624	134	1.09
Total	39,185	38,559	626	3.34
Total PMUS	140,737	115,896	24,841	12.00
Total Non-PMUS	1,018	423	595	0.09
Total All Species	141,755	116,319	25,436	12.09

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, 2014
Set Types All Sets
Fishing Area Outside U.S. EEZ

Number of vessels active	141
Number of trips (partial or completed)	1,217
Number of sets	14,331
Number of hooks set	35,399,738

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,496	4,450	46	0.13
Striped marlin	9,789	9,710	79	0.28
Shortbill spearfish	11,482	11,352	130	0.32
Swordfish	17,250	15,852	1,398	0.49
Other billfishes	588	574	14	0.02
Total	43,605	41,938	1,667	1.23
Shark PMUS				
Blue shark	45,467	0	45,467	1.28
Mako sharks	3,373	405	2,968	0.10
Thresher sharks	11,980	38	11,942	0.34
Oceanic whitetip shark	343	0	343	0.01
Silky shark	74	0	74	0.00
Other Sharks	412	0	412	0.01
Total	61,649	443	61,206	1.74
Tuna PMUS				
Albacore	7,418	7,285	133	0.21
Bigeye tuna	171,079	169,242	1,837	4.83
Yellowfin tuna	11,530	11,439	91	0.33
Bluefin tuna	2	2	0	0.00
Skipjack tuna	15,644	15,428	216	0.44
Other tunas	35	30	5	0.00
Total	205,708	203,426	2,282	5.81
Other PMUS				
Mahimahi	64,687	63,569	1,118	1.83
Moonfish	24,079	23,824	255	0.68
Wahoo	18,321	18,280	41	0.52
Oilfish	22,354	21,222	1,132	0.63
Pomfret	69,540	69,138	402	1.96
Total	198,981	196,033	2,948	5.62
Total PMUS	509,943	441,840	68,103	14.41
Total Non-PMUS	2,593	349	2,244	0.07
Total All Species	512,536	442,189	70,347	14.48

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, 2014
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	20
Number of trips (partial or completed)	81
Number of sets	1,329
Number of hooks set	1,475,449

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	75	69	6	0.05
Striped marlin	368	340	28	0.25
Shortbill spearfish	171	109	62	0.12
Swordfish	15,335	13,913	1,422	10.39
Other billfishes	23	18	5	0.02
Total	15,972	14,449	1,523	10.83
Shark PMUS				
Blue shark	9,962	0	9,962	6.75
Mako sharks	1,409	98	1,311	0.95
Thresher sharks	64	2	62	0.04
Oceanic whitetip shark	18	0	18	0.01
Silky shark	0	0	0	0.00
Other Sharks	34	0	34	0.02
Total	11,487	100	11,387	7.79
Tuna PMUS				
Albacore	663	549	114	0.45
Bigeye tuna	837	738	99	0.57
Yellowfin tuna	181	179	2	0.12
Bluefin tuna	2	2	0	0.00
Skipjack tuna	12	12	0	0.01
Other tunas	18	13	5	0.01
Total	1,713	1,493	220	1.16
Other PMUS				
Mahimahi	4,289	3,726	563	2.91
Moonfish	515	395	120	0.35
Wahoo	44	40	4	0.03
Oilfish	1,561	972	589	1.06
Pomfret	232	144	88	0.16
Total	6,641	5,277	1,364	4.50
Total PMUS	35,813	21,319	14,494	24.27
Total Non-PMUS	4	4	0	0.00
Total All Species	35,817	21,323	14,494	24.28

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, 2014
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	140
Number of trips (partial or completed)	1,355
Number of sets	17,756
Number of hooks set	45,648,750

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	5,695	5,645	50	0.12
Striped marlin	14,804	14,728	76	0.32
Shortbill spearfish	15,838	15,749	89	0.35
Swordfish	4,580	4,403	177	0.10
Other billfishes	729	719	10	0.02
Total	41,646	41,244	402	0.91
Shark PMUS				
Blue shark	56,262	1	56,261	1.23
Mako sharks	2,698	480	2,218	0.06
Thresher sharks	13,124	67	13,057	0.29
Oceanic whitetip shark	683	0	683	0.01
Silky shark	104	1	103	0.00
Other Sharks	589	2	587	0.01
Total	73,460	551	72,909	1.61
Tuna PMUS				
Albacore	8,962	8,940	22	0.20
Bigeye tuna	217,823	215,443	2,380	4.77
Yellowfin tuna	17,226	17,017	209	0.38
Bluefin tuna	0	0	0	0.00
Skipjack tuna	24,206	23,888	318	0.53
Other tunas	19	19	0	0.00
Total	268,236	265,307	2,929	5.88
Other PMUS				
Mahimahi	70,730	70,042	688	1.55
Moonfish	25,783	25,634	149	0.56
Wahoo	23,136	23,077	59	0.51
Oilfish	29,810	28,944	866	0.65
Pomfret	82,066	81,618	448	1.80
Total	231,525	229,315	2,210	5.07
Total PMUS	614,867	536,417	78,450	13.47
Total Non-PMUS	3,607	768	2,839	0.08
Total All Species	618,474	537,185	81,289	13.55

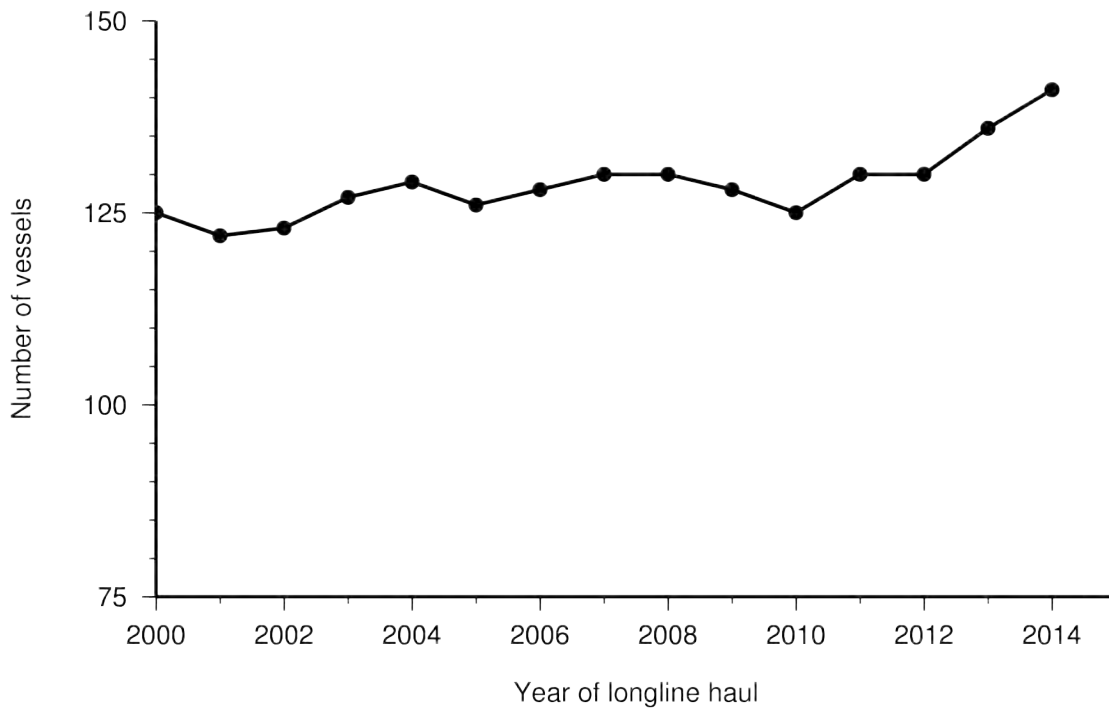


Figure 1. Number of active longline vessels based in Hawaii and California, by year, 2000-2014.

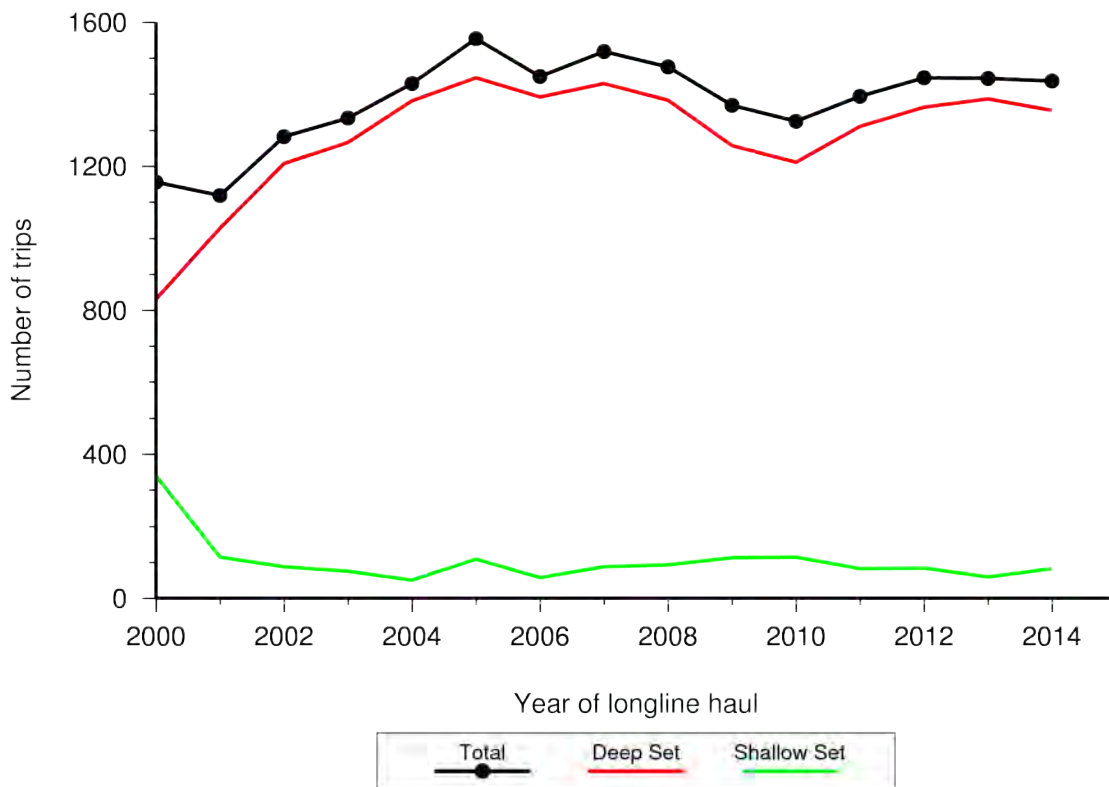


Figure 2. Number of fishing trips by longline vessels based in Hawaii and California, by year and set type, 2000-2014.

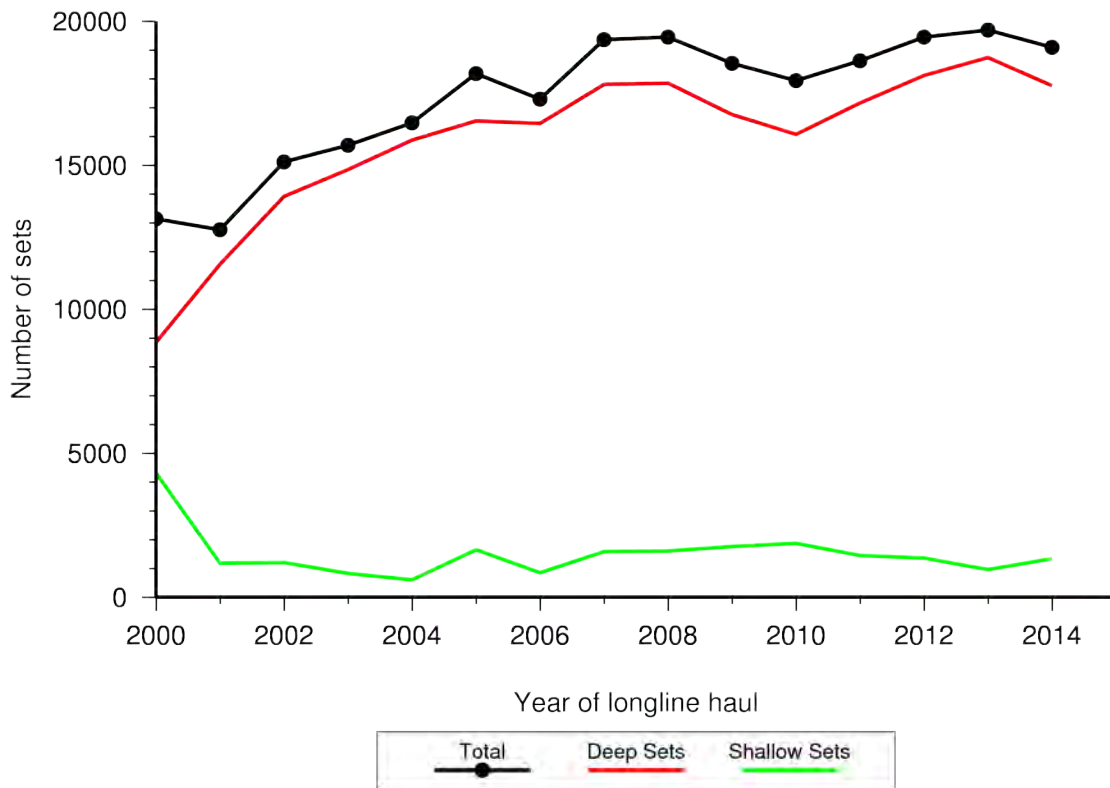


Figure 3. Number of fishing sets by longline vessels based in Hawaii and California, by year and set type, 2000-2014.

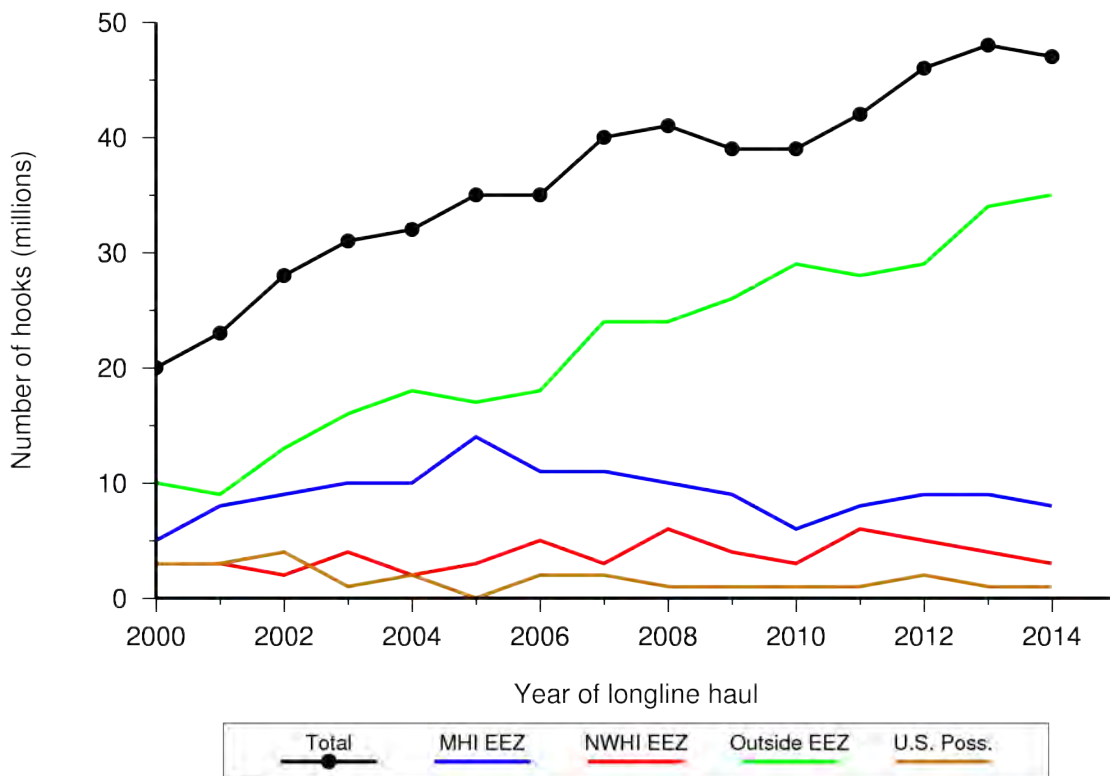


Figure 4. Number of hooks in millions, set by longline vessels based in Hawaii and California, by year and fishing area, 2000-2014

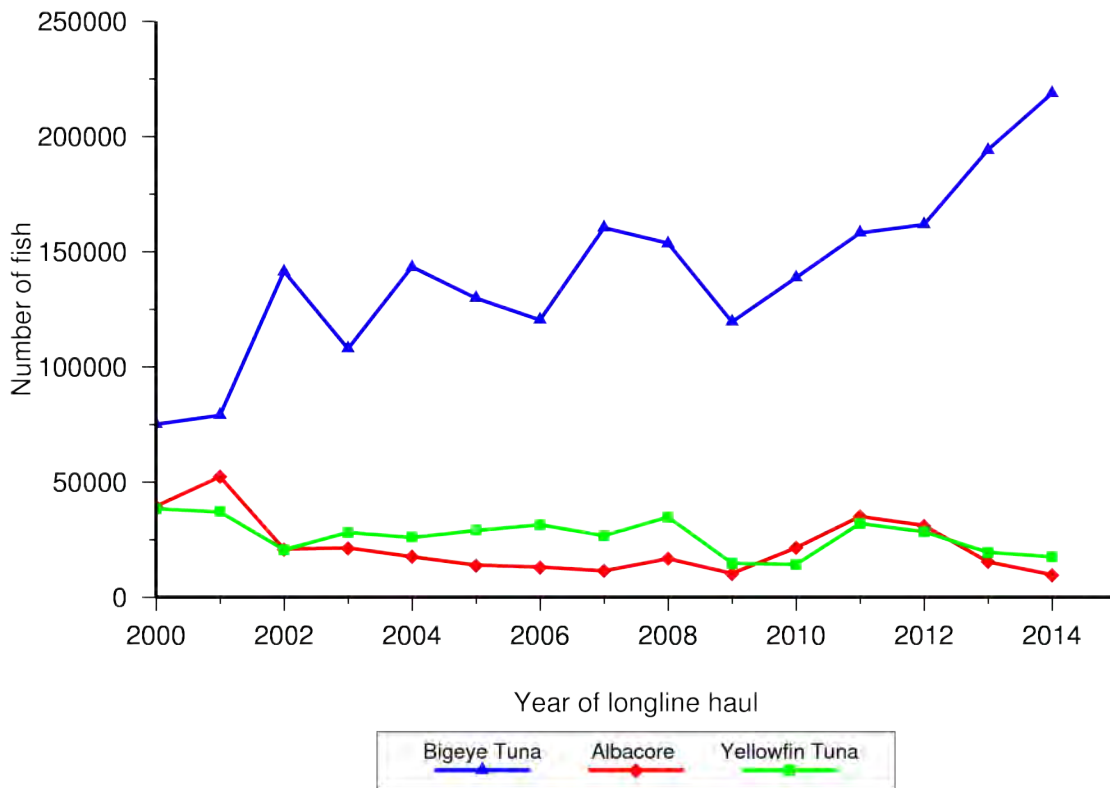


Figure 5. Annual catch (kept + released) of albacore, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2014.

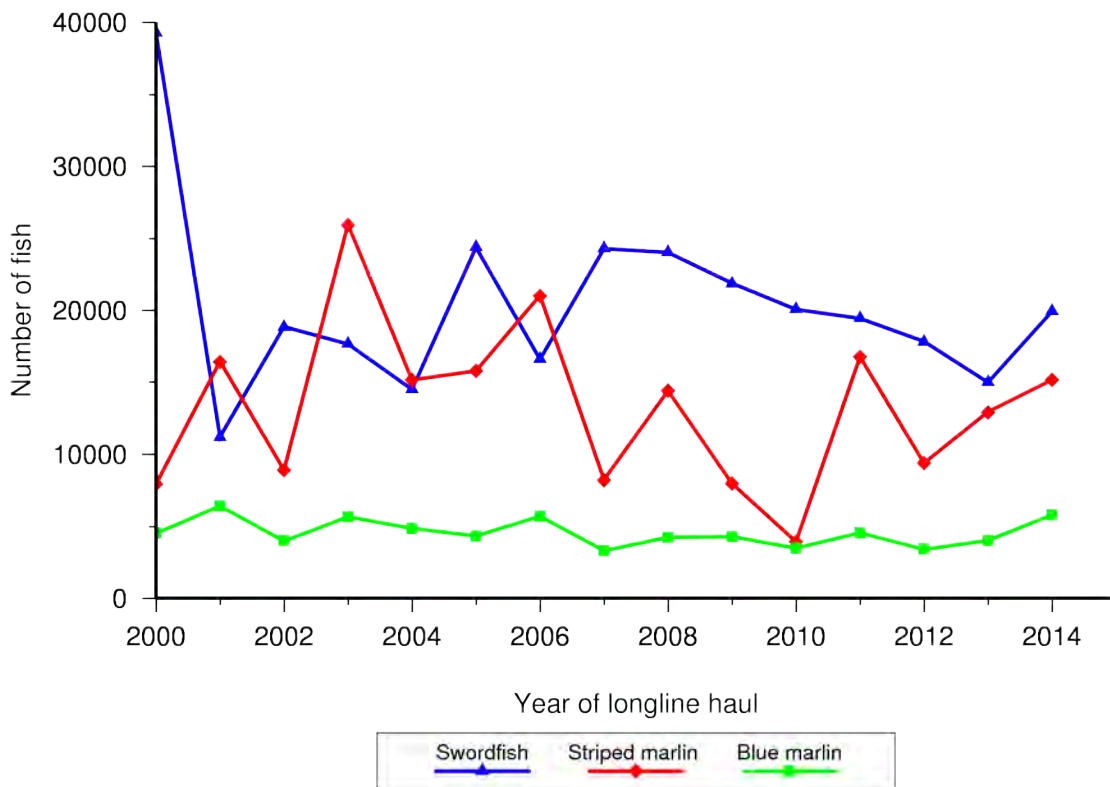


Figure 6. Annual catch (kept + released) of blue marlin, striped marlin, and swordfish by longline vessels based in Hawaii and California, by year, 2000-2014

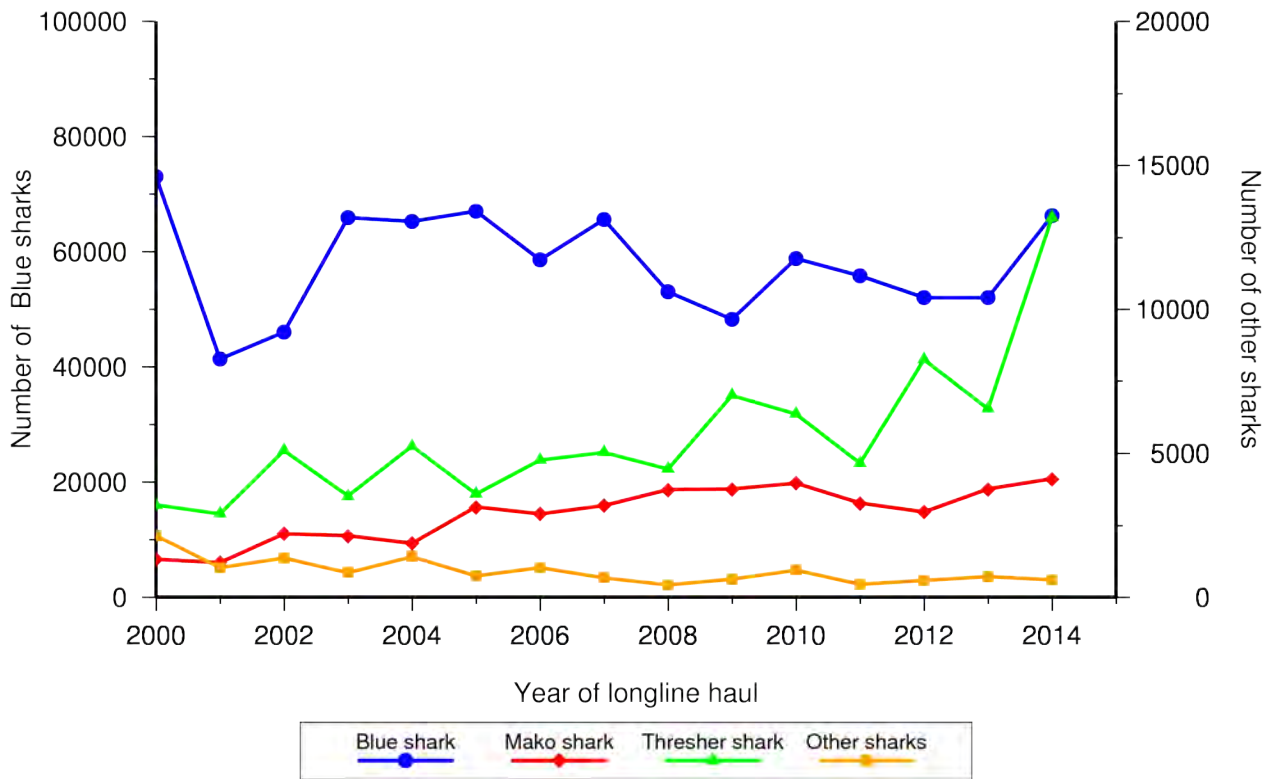


Figure 7. Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, 2000-2014

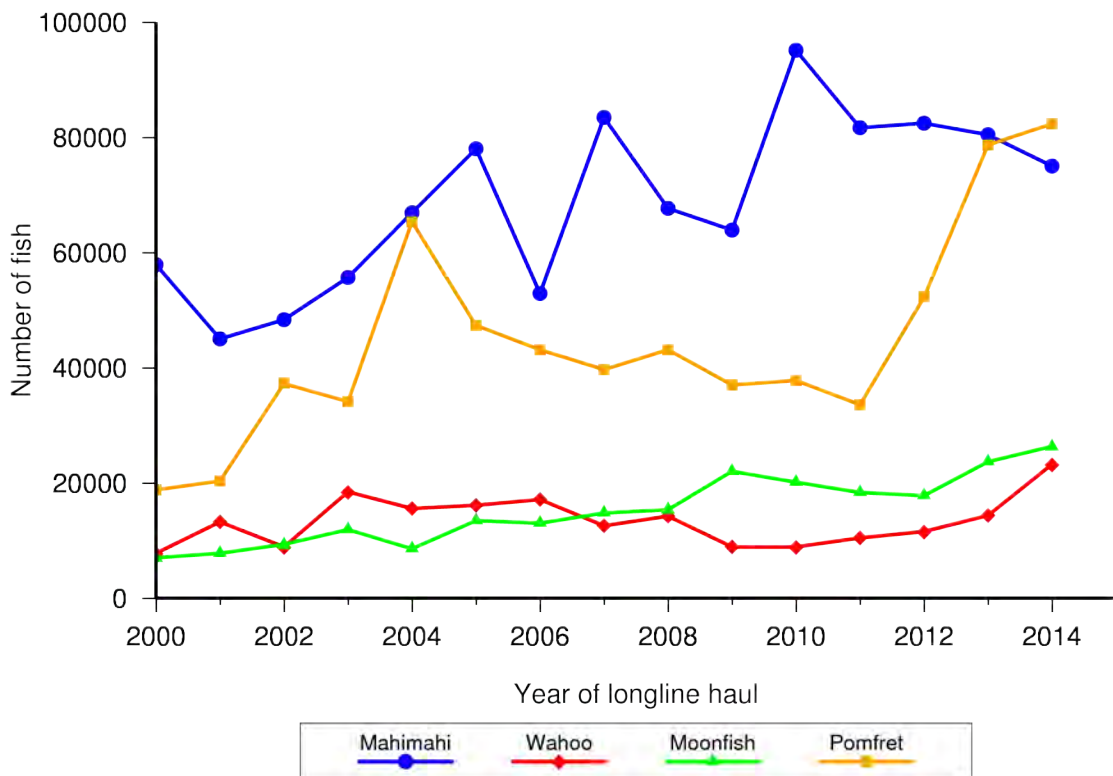


Figure 8. Annual catch (kept + released) of mahimahi, moonfish, pomfret, and wahoo by longline vessels based in Hawaii and California, 2000-2014