

The Hawaii Limited Access Longline Logbook Summary Report 1 January to 31 December 2015¹

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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 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-16-057.

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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 1 January - 31 December, 2015
 Set Types All Sets
 Fishing Area All Areas

Number of vessels active	143
Number of trips (partial or completed)	1,520
Number of sets	19,648
Number of hooks set	48,901,135

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	7,564	7,479	85	0.15
Striped marlin	13,387	13,243	144	0.27
Shortbill spearfish	17,959	17,728	231	0.37
Swordfish	20,366	18,662	1,704	0.42
Other billfishes	607	601	6	0.01
Total	59,883	57,713	2,170	1.22
Shark PMUS				
Blue shark	78,869	0	78,869	1.61
Mako sharks	5,044	698	4,346	0.10
Thresher sharks	15,025	72	14,953	0.31
Oceanic whitetip shark	1,047	2	1,045	0.02
Silky shark	146	0	146	0.00
Other Sharks	483	0	483	0.01
Total	100,614	772	99,842	2.06
Tuna PMUS				
Albacore	10,513	10,475	38	0.21
Bigeye tuna	231,288	227,794	3,494	4.73
Yellowfin tuna	27,823	27,125	698	0.57
Bluefin tuna	2	2	0	0.00
Skipjack tuna	27,008	26,420	588	0.55
Other tunas	3	3	0	0.00
Total	296,637	291,819	4,818	6.07
Other PMUS				
Mahimahi	63,006	62,075	931	1.29
Moonfish	29,994	29,470	524	0.61
Wahoo	24,915	24,840	75	0.51
Oilfish	31,504	29,037	2,467	0.64
Pomfret	97,578	97,126	452	2.00
Total	246,997	242,548	4,449	5.05
Total PMUS	704,131	592,852	111,279	14.40
Total Non-PMUS	4,886	1,021	3,865	0.10
Total All Species	709,017	593,873	115,144	14.50

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, 2015
 Set Types All Sets
 Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	129
Number of trips (partial or completed)	660
Number of sets	4,562
Number of hooks set	11,272,945

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,048	2,032	16	0.18
Striped marlin	4,344	4,315	29	0.39
Shortbill spearfish	5,508	5,476	32	0.49
Swordfish	1,460	1,314	146	0.13
Other billfishes	97	96	1	0.01
Total	13,457	13,233	224	1.19
Shark PMUS				
Blue shark	16,186	0	16,186	1.44
Mako sharks	786	195	591	0.07
Thresher sharks	1,947	25	1,922	0.17
Oceanic whitetip shark	233	0	233	0.02
Silky shark	22	0	22	0.00
Other Sharks	142	0	142	0.01
Total	19,316	220	19,096	1.71
Tuna PMUS				
Albacore	1,389	1,382	7	0.12
Bigeye tuna	46,887	46,234	653	4.16
Yellowfin tuna	8,432	8,214	218	0.75
Bluefin tuna	0	0	0	0.00
Skipjack tuna	7,404	7,205	199	0.66
Other tunas	0	0	0	0.00
Total	64,112	63,035	1,077	5.69
Other PMUS				
Mahimahi	13,700	13,470	230	1.22
Moonfish	1,902	1,894	8	0.17
Wahoo	5,365	5,339	26	0.48
Oilfish	7,655	7,345	310	0.68
Pomfret	19,474	19,350	124	1.73
Total	48,096	47,398	698	4.27
Total PMUS	144,981	123,886	21,095	12.86
Total Non-PMUS	1,149	466	683	0.10
Total All Species	146,130	124,352	21,778	12.96

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, 2015
 Set Types All Sets
 Fishing Area Northwestern Hawaiian Islands EEZ

Number of vessels active	94
Number of trips (partial or completed)	186
Number of sets	1,325
Number of hooks set	3,204,046

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	536	536	0	0.17
Striped marlin	1,712	1,698	14	0.53
Shortbill spearfish	1,619	1,601	18	0.51
Swordfish	1,865	1,721	144	0.58
Other billfishes	59	59	0	0.02
Total	5,791	5,615	176	1.81
Shark PMUS				
Blue shark	6,929	0	6,929	2.16
Mako sharks	330	55	275	0.10
Thresher sharks	448	8	440	0.14
Oceanic whitetip shark	47	0	47	0.01
Silky shark	4	0	4	0.00
Other Sharks	42	0	42	0.01
Total	7,800	63	7,737	2.43
Tuna PMUS				
Albacore	1,701	1,696	5	0.53
Bigeye tuna	14,140	13,876	264	4.41
Yellowfin tuna	3,446	3,399	47	1.08
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,087	2,086	1	0.65
Other tunas	0	0	0	0.00
Total	21,374	21,057	317	6.67
Other PMUS				
Mahimahi	2,464	2,422	42	0.77
Moonfish	852	852	0	0.27
Wahoo	1,028	1,027	1	0.32
Oilfish	2,171	1,992	179	0.68
Pomfret	2,489	2,461	28	0.78
Total	9,004	8,754	250	2.81
Total PMUS	43,969	35,489	8,480	13.72
Total Non-PMUS	14	10	4	0.00
Total All Species	43,983	35,499	8,484	13.73

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		Number of vessels active		16
Time Period	1 January - 31 December, 2015	Number of trips (partial or completed)		17
Set Types	All Sets	Number of sets		123
Fishing Area	Pacific Remote Island Areas (PRIA) EEZ	Number of hooks set		326,702

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	86	86	0	0.26
Striped marlin	21	21	0	0.06
Shortbill spearfish	59	59	0	0.18
Swordfish	25	24	1	0.08
Other billfishes	5	5	0	0.02
Total	196	195	1	0.60
Shark PMUS				
Blue shark	464	0	464	1.42
Mako sharks	14	1	13	0.04
Thresher sharks	82	0	82	0.25
Oceanic whitetip shark	310	1	309	0.95
Silky shark	94	0	94	0.29
Other Sharks	7	0	7	0.02
Total	971	2	969	2.97
Tuna PMUS				
Albacore	46	46	0	0.14
Bigeye tuna	1,406	1,327	79	4.30
Yellowfin tuna	97	97	0	0.30
Bluefin tuna	0	0	0	0.00
Skipjack tuna	340	340	0	1.04
Other tunas	0	0	0	0.00
Total	1,889	1,810	79	5.78
Other PMUS				
Mahimahi	74	74	0	0.23
Moonfish	2	2	0	0.01
Wahoo	174	174	0	0.53
Oilfish	144	144	0	0.44
Pomfret	132	132	0	0.40
Total	526	526	0	1.61
Total PMUS	3,582	2,533	1,049	10.96
Total Non-PMUS	9	9	0	0.03
Total All Species	3,591	2,542	1,049	10.99

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, 2015
 Set Types All Sets
 Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	131
Number of trips (partial or completed)	776
Number of sets	6,010
Number of hooks set	14,803,693

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,670	2,654	16	0.18
Striped marlin	6,077	6,034	43	0.41
Shortbill spearfish	7,186	7,136	50	0.49
Swordfish	3,350	3,059	291	0.23
Other billfishes	161	160	1	0.01
Total	19,444	19,043	401	1.31
Shark PMUS				
Blue shark	23,579	0	23,579	1.59
Mako sharks	1,130	251	879	0.08
Thresher sharks	2,477	33	2,444	0.17
Oceanic whitetip shark	590	1	589	0.04
Silky shark	120	0	120	0.01
Other Sharks	191	0	191	0.01
Total	28,087	285	27,802	1.90
Tuna PMUS				
Albacore	3,136	3,124	12	0.21
Bigeye tuna	62,433	61,437	996	4.22
Yellowfin tuna	11,975	11,710	265	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	9,831	9,631	200	0.66
Other tunas	0	0	0	0.00
Total	87,375	85,902	1,473	5.90
Other PMUS				
Mahimahi	16,238	15,966	272	1.10
Moonfish	2,756	2,748	8	0.19
Wahoo	6,567	6,540	27	0.44
Oilfish	9,970	9,481	489	0.67
Pomfret	22,095	21,943	152	1.49
Total	57,626	56,678	948	3.89
Total PMUS	192,532	161,908	30,624	13.01
Total Non-PMUS	1,172	485	687	0.08
Total All Species	193,704	162,393	31,311	13.08

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		Number of vessels active		
Time Period	1 January - 31 December, 2015	142		
Set Types	All Sets	Number of trips (partial or completed) 1,232		
Fishing Area	Outside U.S. EEZ	Number of sets 13,638		
		Number of hooks set 34,097,442		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,894	4,825	69	0.14
Striped marlin	7,310	7,209	101	0.21
Shortbill spearfish	10,773	10,592	181	0.32
Swordfish	17,016	15,603	1,413	0.50
Other billfishes	446	441	5	0.01
Total	40,439	38,670	1,769	1.19
Shark PMUS				
Blue shark	55,290	0	55,290	1.62
Mako sharks	3,914	447	3,467	0.11
Thresher sharks	12,548	39	12,509	0.37
Oceanic whitetip shark	457	1	456	0.01
Silky shark	26	0	26	0.00
Other Sharks	292	0	292	0.01
Total	72,527	487	72,040	2.13
Tuna PMUS				
Albacore	7,377	7,351	26	0.22
Bigeye tuna	168,855	166,357	2,498	4.95
Yellowfin tuna	15,848	15,415	433	0.46
Bluefin tuna	2	2	0	0.00
Skipjack tuna	17,177	16,789	388	0.50
Other tunas	3	3	0	0.00
Total	209,262	205,917	3,345	6.14
Other PMUS				
Mahimahi	46,768	46,109	659	1.37
Moonfish	27,238	26,722	516	0.80
Wahoo	18,348	18,300	48	0.54
Oilfish	21,534	19,556	1,978	0.63
Pomfret	75,483	75,183	300	2.21
Total	189,371	185,870	3,501	5.55
Total PMUS	511,599	430,944	80,655	15.00
Total Non-PMUS	3,714	536	3,178	0.11
Total All Species	515,313	431,480	83,833	15.11

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, 2015
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	22
Number of trips (partial or completed)	68
Number of sets	1,129
Number of hooks set	1,258,141

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	49	40	9	0.04
Striped marlin	266	246	20	0.21
Shortbill spearfish	106	88	18	0.08
Swordfish	14,969	13,565	1,404	11.90
Other billfishes	6	5	1	0.00
Total	15,396	13,944	1,452	12.24
Shark PMUS				
Blue shark	12,521	0	12,521	9.95
Mako sharks	1,429	160	1,269	1.14
Thresher sharks	51	3	48	0.04
Oceanic whitetip shark	14	1	13	0.01
Silky shark	0	0	0	0.00
Other Sharks	55	0	55	0.04
Total	14,070	164	13,906	11.18
Tuna PMUS				
Albacore	306	293	13	0.24
Bigeye tuna	1,345	1,252	93	1.07
Yellowfin tuna	139	133	6	0.11
Bluefin tuna	0	0	0	0.00
Skipjack tuna	45	43	2	0.04
Other tunas	0	0	0	0.00
Total	1,835	1,721	114	1.46
Other PMUS				
Mahimahi	2,626	2,549	77	2.09
Moonfish	645	517	128	0.51
Wahoo	16	15	1	0.01
Oilfish	1,291	922	369	1.03
Pomfret	123	85	38	0.10
Total	4,701	4,088	613	3.74
Total PMUS	36,002	19,917	16,085	28.62
Total Non-PMUS	1	0	1	0.00
Total All Species	36,003	19,917	16,086	28.62

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, 2015
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	143
Number of trips (partial or completed)	1,452
Number of sets	18,519
Number of hooks set	47,642,994

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	7,515	7,439	76	0.16
Striped marlin	13,121	12,997	124	0.28
Shortbill spearfish	17,853	17,640	213	0.37
Swordfish	5,397	5,097	300	0.11
Other billfishes	601	596	5	0.01
Total	44,487	43,769	718	0.93
Shark PMUS				
Blue shark	66,348	0	66,348	1.39
Mako sharks	3,615	538	3,077	0.08
Thresher sharks	14,974	69	14,905	0.31
Oceanic whitetip shark	1,033	1	1,032	0.02
Silky shark	146	0	146	0.00
Other Sharks	428	0	428	0.01
Total	86,544	608	85,936	1.82
Tuna PMUS				
Albacore	10,207	10,182	25	0.21
Bigeye tuna	229,943	226,542	3,401	4.83
Yellowfin tuna	27,684	26,992	692	0.58
Bluefin tuna	2	2	0	0.00
Skipjack tuna	26,963	26,377	586	0.57
Other tunas	3	3	0	0.00
Total	294,802	290,098	4,704	6.19
Other PMUS				
Mahimahi	60,380	59,526	854	1.27
Moonfish	29,349	28,953	396	0.62
Wahoo	24,899	24,825	74	0.52
Oilfish	30,213	28,115	2,098	0.63
Pomfret	97,455	97,041	414	2.05
Total	242,296	238,460	3,836	5.09
Total PMUS	668,129	572,935	95,194	14.02
Total Non-PMUS	4,885	1,021	3,864	0.10
Total All Species	673,014	573,956	99,058	14.13

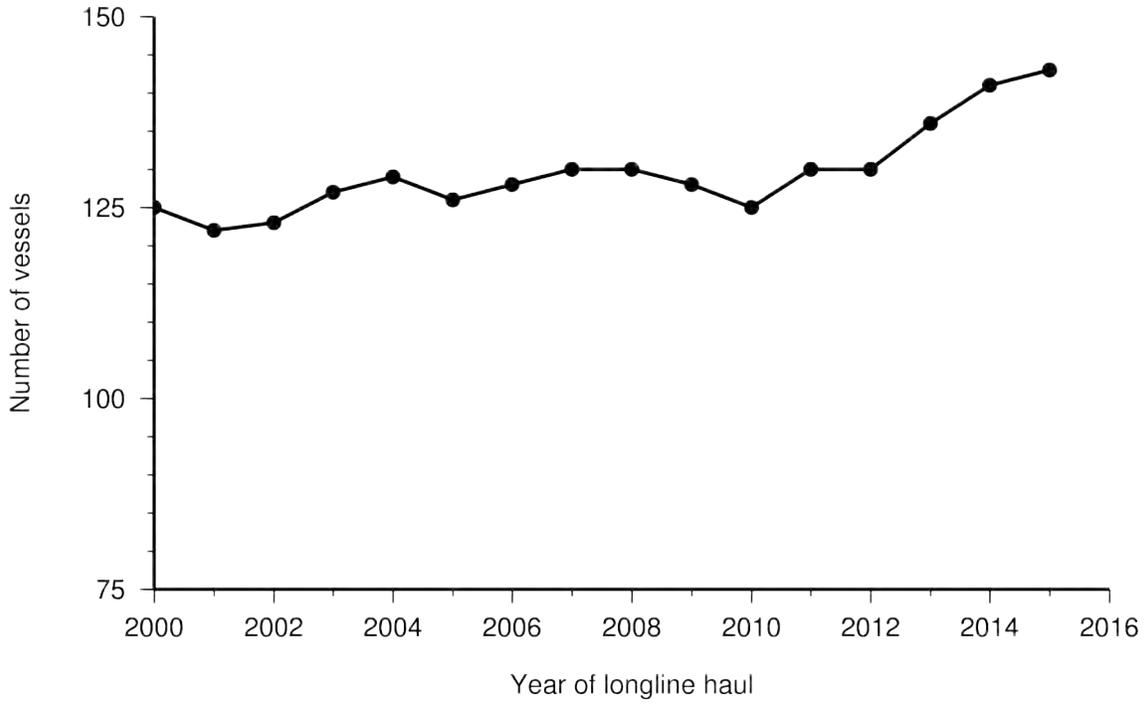


Figure 1. Number of active longline vessels based in Hawaii and California, by year, 2000-2015.

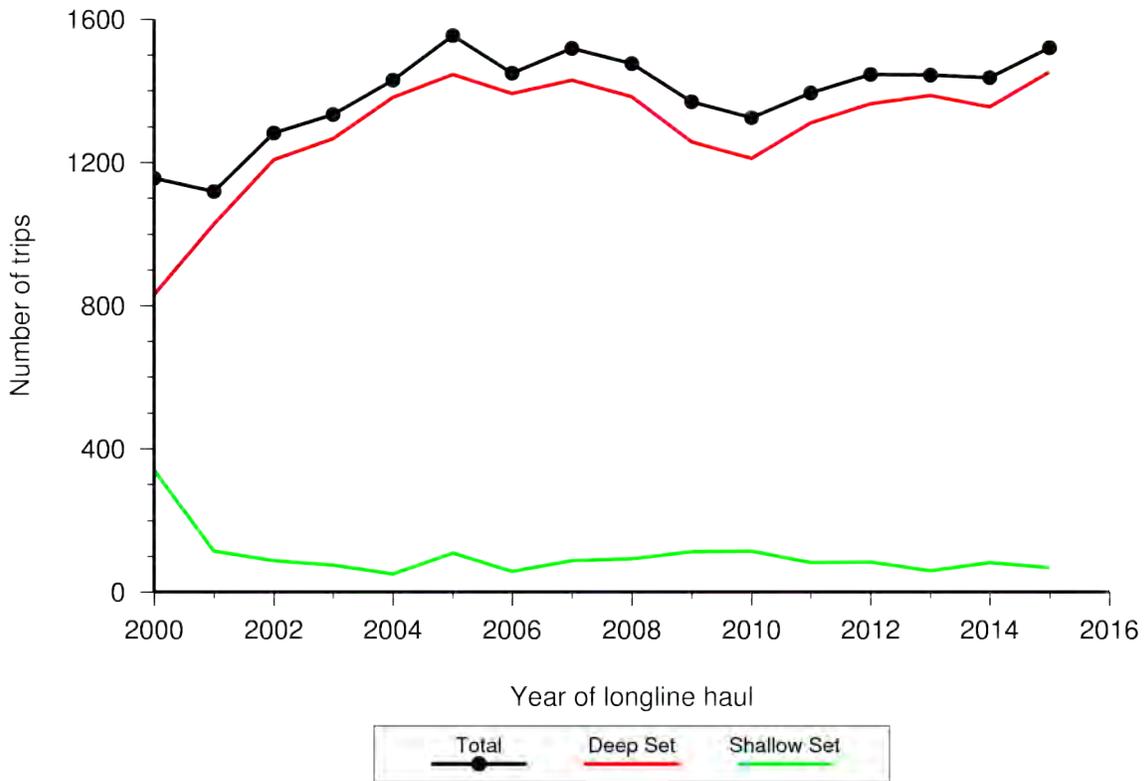


Figure 2. Number of fishing trips by longline vessels based in Hawaii and California, by year and set type, 2000-2015.

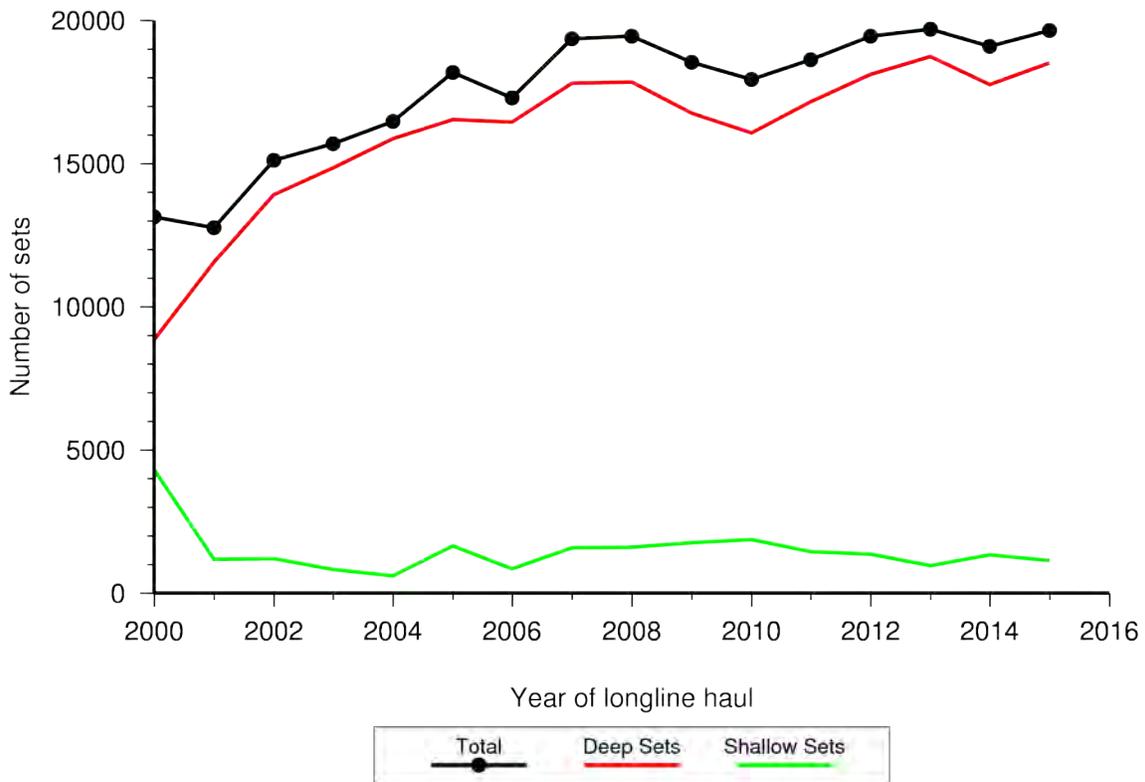


Figure 3. Number of fishing sets by longline vessels based in Hawaii and California, by year and set type, 2000-2015.

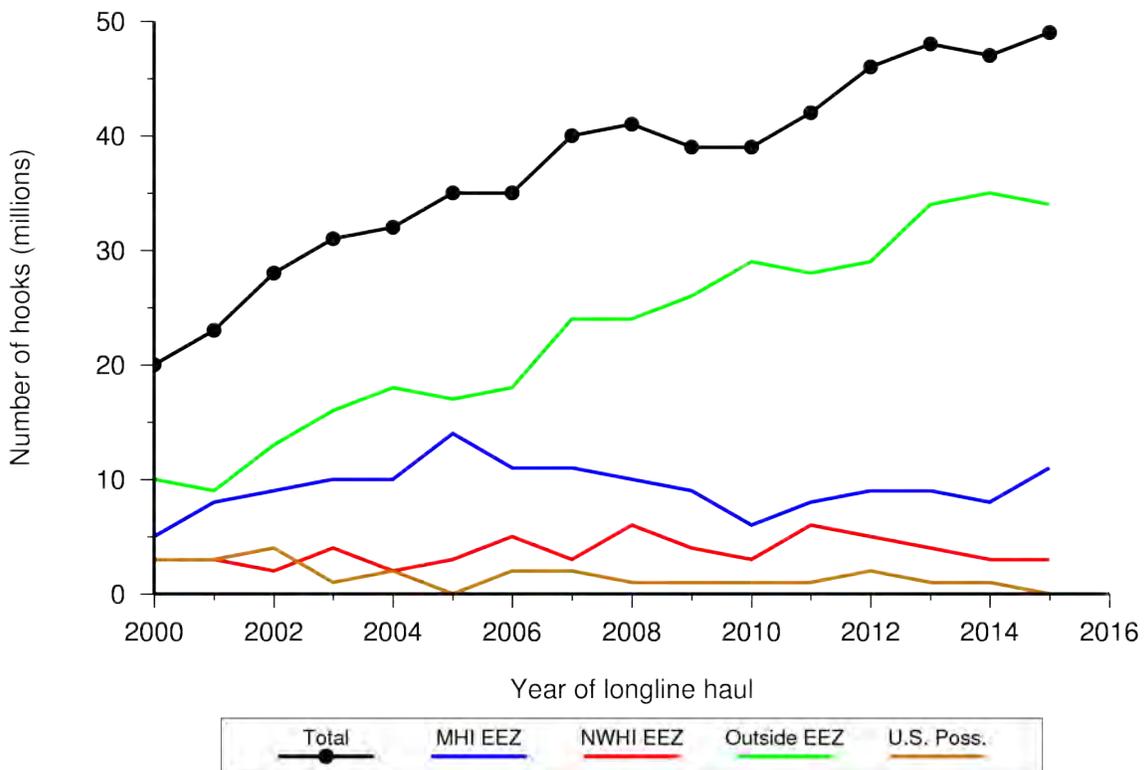


Figure 4. Number of hooks in millions, set by longline vessels based in Hawaii and California, by year and fishing area, 2000-2015

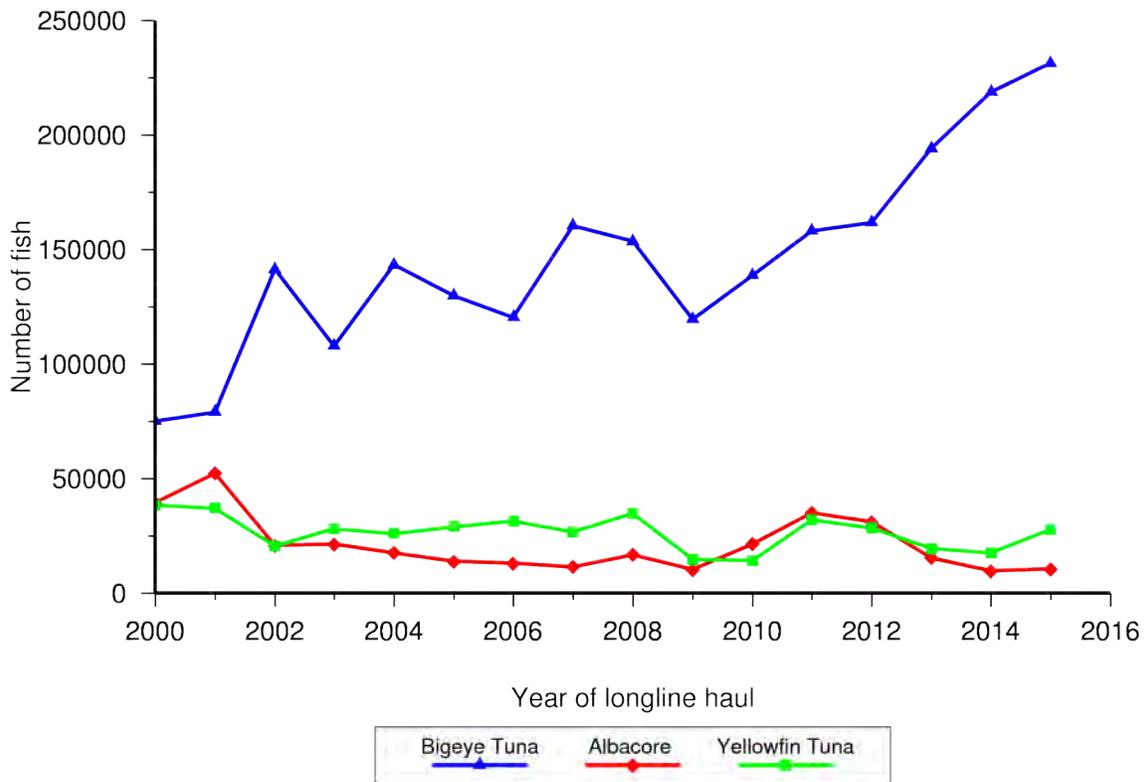


Figure 5. Annual catch (kept + released) of albacore, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2015.

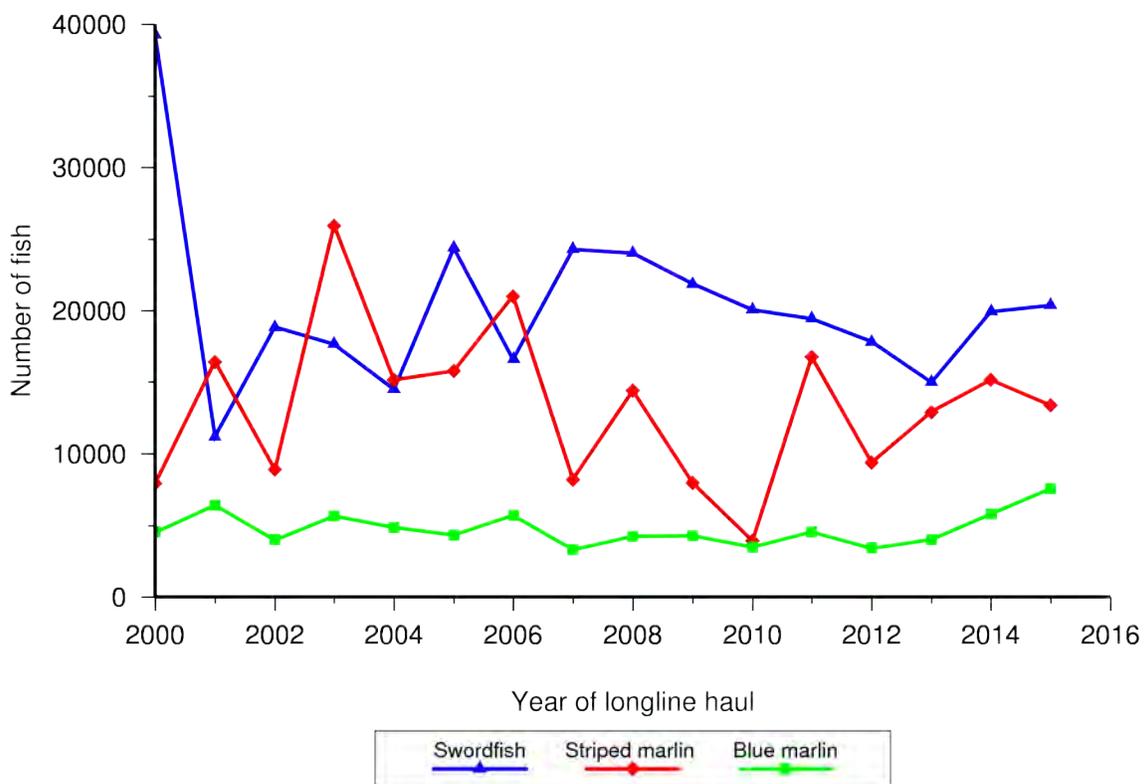


Figure 6. Annual catch (kept + released) of blue marlin, striped marlin, and swordfish by longline vessels based in Hawaii and California, by year, 2000-2015

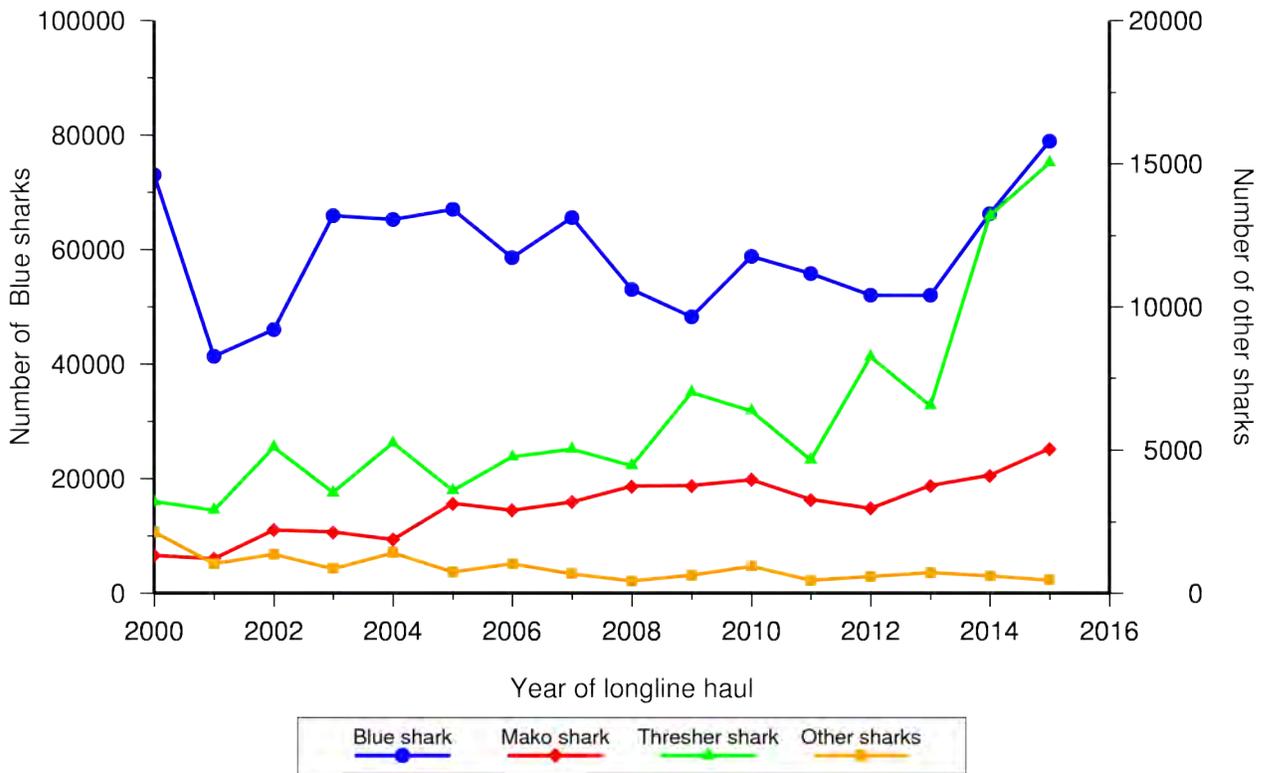


Figure 7. Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, 2000-2015

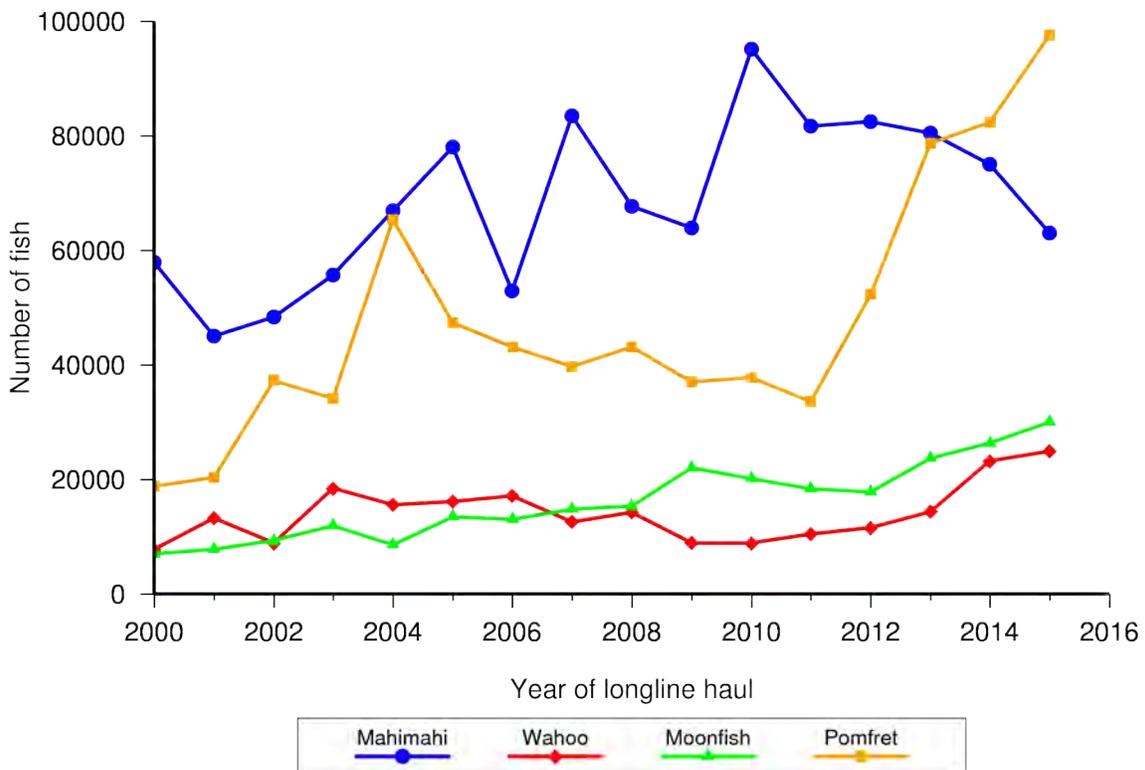


Figure 8. Annual catch (kept + released) of mahimahi, moonfish, pomfret, and wahoo by longline vessels based in Hawaii and California, 2000-2015