

**The Hawaii - California Longline Limited-entry Fishery
Semi-annual Report
1 January - 30 June, 2017¹**

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This semi-annual report for the period 1 January - 30 June, 2017, contains summary data summaries of fishing effort and catch statistics as reported on longline log sheets for the Hawaii - California longline limited-entry fishery. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS_REPORT_STATS_RFMO_HC, representing preliminary data received as of 15 March 2018. Catch and effort statistics are based on date of longline haul. When a statistic (number of vessels, trips) involves dates of haul in two 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 statistics are not additive (i.e., sum of four quarters is not the total for the year, etc.).

The following tables show fishery statistics for the stated time period, area, and set type, and includes effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, the table includes the number of fish caught, kept, and released, and the catch per unit effort (CPUE), measured as the number of fish caught per 1,000 hooks.

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Table 1. For the period 1 January - 30 June, 2017, Hawaii and California longline limited-entry fisheries semi-annual statistics for all fishing areas and all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2017
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	141
Number of trips (partial or completed)	826
Number of sets	10,246
Number of hooks set	26,290,252

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	3,938	3,919	19	0.15
Striped marlin	6,194	6,079	115	0.24
Shortbill spearfish	12,428	12,317	111	0.47
Swordfish	14,856	13,872	984	0.57
Other billfishes	205	201	4	0.01
Total	37,621	36,388	1,233	1.43
Shark PMUS				
Blue shark	37,033	0	37,033	1.41
Mako sharks	3,210	477	2,733	0.12
Thresher sharks	4,303	7	4,296	0.16
Oceanic whitetip shark	295	0	295	0.01
Silky shark	107	0	107	0.00
Other Sharks	279	2	277	0.01
Total	45,227	486	44,741	1.72
Tuna PMUS				
Albacore	3,550	3,512	38	0.14
Bigeye tuna	113,809	111,635	2,174	4.33
Yellowfin tuna	33,540	32,668	872	1.28
Bluefin tuna	8	7	1	0.00
Skipjack tuna	15,707	15,289	418	0.60
Other tunas	0	0	0	0.00
Total	166,614	163,111	3,503	6.34
Other PMUS				
Mahimahi	19,013	18,854	159	0.72
Moonfish	13,270	13,155	115	0.50
Wahoo	13,551	13,486	65	0.52
Oilfish	10,544	8,824	1,720	0.40
Pomfret	36,090	35,923	167	1.37
Total	92,468	90,242	2,226	3.52
Total PMUS	341,930	290,227	51,703	13.01
Total Non-PMUS	1,927	191	1,736	0.07
Total All Species	343,857	290,418	53,439	13.08

Table 2. For the period 1 January - 30 June, 2017, Hawaii longline limited-entry fishery semi-annual statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2017
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	108
Number of trips (partial or completed)	279
Number of sets	1,462
Number of hooks set	3,725,457

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	734	728	6	0.20
Striped marlin	1,166	1,163	3	0.31
Shortbill spearfish	2,570	2,556	14	0.69
Swordfish	1,181	1,115	66	0.32
Other billfishes	90	90	0	0.02
Total	5,741	5,652	89	1.54
Shark PMUS				
Blue shark	5,634	0	5,634	1.51
Mako sharks	431	73	358	0.12
Thresher sharks	391	2	389	0.10
Oceanic whitetip shark	130	0	130	0.03
Silky shark	40	0	40	0.01
Other Sharks	31	0	31	0.01
Total	6,657	75	6,582	1.79
Tuna PMUS				
Albacore	110	110	0	0.03
Bigeye tuna	14,675	14,314	361	3.94
Yellowfin tuna	6,907	6,622	285	1.85
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,191	3,145	46	0.86
Other tunas	0	0	0	0.00
Total	24,883	24,191	692	6.68
Other PMUS				
Mahimahi	2,232	2,188	44	0.60
Moonfish	494	493	1	0.13
Wahoo	1,709	1,703	6	0.46
Oilfish	1,599	1,204	395	0.43
Pomfret	2,846	2,833	13	0.76
Total	8,880	8,421	459	2.38
Total PMUS	46,161	38,339	7,822	12.39
Total Non-PMUS	76	69	7	0.02
Total All Species	46,237	38,408	7,829	12.41

Table 3. For the period 1 January - 30 June, 2017, Hawaii and California longline limited-entry fisheries semi-annual statistics for fishing outside the U.S. EEZ and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2017
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	141
Number of trips (partial or completed)	753
Number of sets	8,784
Number of hooks set	22,564,795

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	3,204	3,191	13	0.14
Striped marlin	5,028	4,916	112	0.22
Shortbill spearfish	9,858	9,761	97	0.44
Swordfish	13,675	12,757	918	0.61
Other billfishes	115	111	4	0.01
Total	31,880	30,736	1,144	1.41
Shark PMUS				
Blue shark	31,399	0	31,399	1.39
Mako sharks	2,779	404	2,375	0.12
Thresher sharks	3,912	5	3,907	0.17
Oceanic whitetip shark	165	0	165	0.01
Silky shark	67	0	67	0.00
Other Sharks	248	2	246	0.01
Total	38,570	411	38,159	1.71
Tuna PMUS				
Albacore	3,440	3,402	38	0.15
Bigeye tuna	99,134	97,321	1,813	4.39
Yellowfin tuna	26,633	26,046	587	1.18
Bluefin tuna	8	7	1	0.00
Skipjack tuna	12,516	12,144	372	0.55
Other tunas	0	0	0	0.00
Total	141,731	138,920	2,811	6.28
Other PMUS				
Mahimahi	16,781	16,666	115	0.74
Moonfish	12,776	12,662	114	0.57
Wahoo	11,842	11,783	59	0.52
Oilfish	8,945	7,620	1,325	0.40
Pomfret	33,244	33,090	154	1.47
Total	83,588	81,821	1,767	3.70
Total PMUS	295,769	251,888	43,881	13.11
Total Non-PMUS	1,851	122	1,729	0.08
Total All Species	297,620	252,010	45,610	13.19

Table 4. For the period 1 January - 30 June, 2017, Hawaii and California longline limited-entry fisheries semi-annual statistics for all fishing areas and with shallow set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2017
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	15
Number of trips (partial or completed)	49
Number of sets	763
Number of hooks set	808,665

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	55	52	3	0.07
Striped marlin	370	318	52	0.46
Shortbill spearfish	141	133	8	0.17
Swordfish	10,939	10,013	926	13.53
Other billfishes	15	14	1	0.02
Total	11,520	10,530	990	14.25
Shark PMUS				
Blue shark	6,767	0	6,767	8.37
Mako sharks	709	134	575	0.88
Thresher sharks	56	0	56	0.07
Oceanic whitetip shark	21	0	21	0.03
Silky shark	7	0	7	0.01
Other Sharks	5	0	5	0.01
Total	7,565	134	7,431	9.35
Tuna PMUS				
Albacore	97	79	18	0.12
Bigeye tuna	1,223	1,162	61	1.51
Yellowfin tuna	1,068	1,022	46	1.32
Bluefin tuna	0	0	0	0.00
Skipjack tuna	49	49	0	0.06
Other tunas	0	0	0	0.00
Total	2,437	2,312	125	3.01
Other PMUS				
Mahimahi	1,077	1,047	30	1.33
Moonfish	89	76	13	0.11
Wahoo	58	58	0	0.07
Oilfish	507	296	211	0.63
Pomfret	24	18	6	0.03
Total	1,755	1,495	260	2.17
Total PMUS	23,277	14,471	8,806	28.78
Total Non-PMUS	13	7	6	0.02
Total All Species	23,290	14,478	8,812	28.80

Table 5. For the period 1 January - 30 June, 2017, Hawaii and California longline limited-entry fisheries semi-annual statistics for all fishing areas and with deep set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 30 June, 2017
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	140
Number of trips (partial or completed)	777
Number of sets	9,483
Number of hooks set	25,481,587

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	3,883	3,867	16	0.15
Striped marlin	5,824	5,761	63	0.23
Shortbill spearfish	12,287	12,184	103	0.48
Swordfish	3,917	3,859	58	0.15
Other billfishes	190	187	3	0.01
Total	26,101	25,858	243	1.02
Shark PMUS				
Blue shark	30,266	0	30,266	1.19
Mako sharks	2,501	343	2,158	0.10
Thresher sharks	4,247	7	4,240	0.17
Oceanic whitetip shark	274	0	274	0.01
Silky shark	100	0	100	0.00
Other Sharks	274	2	272	0.01
Total	37,662	352	37,310	1.48
Tuna PMUS				
Albacore	3,453	3,433	20	0.14
Bigeye tuna	112,586	110,473	2,113	4.42
Yellowfin tuna	32,472	31,646	826	1.27
Bluefin tuna	8	7	1	0.00
Skipjack tuna	15,658	15,240	418	0.61
Other tunas	0	0	0	0.00
Total	164,177	160,799	3,378	6.44
Other PMUS				
Mahimahi	17,936	17,807	129	0.70
Moonfish	13,181	13,079	102	0.52
Wahoo	13,493	13,428	65	0.53
Oilfish	10,037	8,528	1,509	0.39
Pomfret	36,066	35,905	161	1.42
Total	90,713	88,747	1,966	3.56
Total PMUS	318,653	275,756	42,897	12.51
Total Non-PMUS	1,914	184	1,730	0.08
Total All Species	320,567	275,940	44,627	12.58