

**The Hawaii - California Longline Limited-entry Fishery
Quarterly Report
1 July - 30 September, 2017¹**

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This quarterly report for the period 1 July - 30 September, 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 July - 30 September, 2017, Hawaii and California longline limited-entry fisheries quarterly 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 July - 30 September, 2017
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	431
Number of sets	4,995
Number of hooks set	13,654,483

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	2,253	2,245	8	0.17
Striped marlin	1,757	1,737	20	0.13
Shortbill spearfish	3,990	3,964	26	0.29
Swordfish	1,430	1,279	151	0.10
Other billfishes	213	212	1	0.02
Total	9,643	9,437	206	0.71
Shark PMUS				
Blue shark	28,027	0	28,027	2.05
Mako sharks	1,044	153	891	0.08
Thresher sharks	1,575	16	1,559	0.12
Oceanic whitetip shark	193	0	193	0.01
Silky shark	93	0	93	0.01
Other Sharks	156	0	156	0.01
Total	31,088	169	30,919	2.28
Tuna PMUS				
Albacore	469	468	1	0.03
Bigeye tuna	43,615	42,844	771	3.19
Yellowfin tuna	20,625	20,255	370	1.51
Bluefin tuna	5	4	1	0.00
Skipjack tuna	5,500	5,423	77	0.40
Other tunas	0	0	0	0.00
Total	70,214	68,994	1,220	5.14
Other PMUS				
Mahimahi	13,502	13,357	145	0.99
Moonfish	8,473	8,457	16	0.62
Wahoo	6,724	6,682	42	0.49
Oilfish	3,324	3,082	242	0.24
Pomfret	15,067	14,959	108	1.10
Total	47,090	46,537	553	3.45
Total PMUS	158,035	125,137	32,898	11.57
Total Non-PMUS	848	207	641	0.06
Total All Species	158,883	125,344	33,539	11.64

Table 2. For the period 1 July - 30 September, 2017, Hawaii longline limited-entry fishery quarterly 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 July - 30 September, 2017
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	91
Number of trips (partial or completed)	149
Number of sets	986
Number of hooks set	2,634,256

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	629	628	1	0.24
Striped marlin	357	356	1	0.14
Shortbill spearfish	897	897	0	0.34
Swordfish	118	109	9	0.04
Other billfishes	50	50	0	0.02
Total	2,051	2,040	11	0.78
Shark PMUS				
Blue shark	4,641	0	4,641	1.76
Mako sharks	103	23	80	0.04
Thresher sharks	197	7	190	0.07
Oceanic whitetip shark	62	0	62	0.02
Silky shark	34	0	34	0.01
Other Sharks	56	0	56	0.02
Total	5,093	30	5,063	1.93
Tuna PMUS				
Albacore	73	73	0	0.03
Bigeye tuna	6,240	6,179	61	2.37
Yellowfin tuna	5,277	5,222	55	2.00
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,691	1,681	10	0.64
Other tunas	0	0	0	0.00
Total	13,281	13,155	126	5.04
Other PMUS				
Mahimahi	1,264	1,253	11	0.48
Moonfish	492	492	0	0.19
Wahoo	1,448	1,448	0	0.55
Oilfish	412	409	3	0.16
Pomfret	2,641	2,632	9	1.00
Total	6,257	6,234	23	2.38
Total PMUS	26,682	21,459	5,223	10.13
Total Non-PMUS	165	164	1	0.06
Total All Species	26,847	21,623	5,224	10.19

Table 3. For the period 1 July - 30 September, 2017, Hawaii and California longline limited-entry fisheries quarterly 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 July - 30 September, 2017
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	134
Number of trips (partial or completed)	387
Number of sets	4,009
Number of hooks set	11,020,227

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	1,624	1,617	7	0.15
Striped marlin	1,400	1,381	19	0.13
Shortbill spearfish	3,093	3,067	26	0.28
Swordfish	1,312	1,170	142	0.12
Other billfishes	163	162	1	0.01
Total	7,592	7,397	195	0.69
Shark PMUS				
Blue shark	23,386	0	23,386	2.12
Mako sharks	941	130	811	0.09
Thresher sharks	1,378	9	1,369	0.13
Oceanic whitetip shark	131	0	131	0.01
Silky shark	59	0	59	0.01
Other Sharks	100	0	100	0.01
Total	25,995	139	25,856	2.36
Tuna PMUS				
Albacore	396	395	1	0.04
Bigeye tuna	37,375	36,665	710	3.39
Yellowfin tuna	15,348	15,033	315	1.39
Bluefin tuna	5	4	1	0.00
Skipjack tuna	3,809	3,742	67	0.35
Other tunas	0	0	0	0.00
Total	56,933	55,839	1,094	5.17
Other PMUS				
Mahimahi	12,238	12,104	134	1.11
Moonfish	7,981	7,965	16	0.72
Wahoo	5,276	5,234	42	0.48
Oilfish	2,912	2,673	239	0.26
Pomfret	12,426	12,327	99	1.13
Total	40,833	40,303	530	3.71
Total PMUS	131,353	103,678	27,675	11.92
Total Non-PMUS	683	43	640	0.06
Total All Species	132,036	103,721	28,315	11.98

Table 4. For the period 1 July - 30 September, 2017, Hawaii and California longline limited-entry fisheries quarterly 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 July - 30 September, 2017
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	4
Number of trips (partial or completed)	4
Number of sets	37
Number of hooks set	44,539

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	2	2	0	0.04
Striped marlin	18	18	0	0.40
Shortbill spearfish	4	4	0	0.09
Swordfish	582	562	20	13.07
Other billfishes	0	0	0	0.00
Total	606	586	20	13.61
Shark PMUS				
Blue shark	599	0	599	13.45
Mako sharks	23	2	21	0.52
Thresher sharks	4	0	4	0.09
Oceanic whitetip shark	1	0	1	0.02
Silky shark	0	0	0	0.00
Other Sharks	0	0	0	0.00
Total	627	2	625	14.08
Tuna PMUS				
Albacore	0	0	0	0.00
Bigeye tuna	10	10	0	0.22
Yellowfin tuna	35	35	0	0.79
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2	2	0	0.04
Other tunas	0	0	0	0.00
Total	47	47	0	1.06
Other PMUS				
Mahimahi	76	76	0	1.71
Moonfish	11	9	2	0.25
Wahoo	5	5	0	0.11
Oilfish	80	79	1	1.80
Pomfret	0	0	0	0.00
Total	172	169	3	3.86
Total PMUS	1,452	804	648	32.60
Total Non-PMUS	1	1	0	0.02
Total All Species	1,453	805	648	32.62

Table 5. For the period 1 July - 30 September, 2017, Hawaii and California longline limited-entry fisheries quarterly 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 July - 30 September, 2017
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	427
Number of sets	4,958
Number of hooks set	13,609,944

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	2,251	2,243	8	0.17
Striped marlin	1,739	1,719	20	0.13
Shortbill spearfish	3,986	3,960	26	0.29
Swordfish	848	717	131	0.06
Other billfishes	213	212	1	0.02
Total	9,037	8,851	186	0.66
Shark PMUS				
Blue shark	27,428	0	27,428	2.02
Mako sharks	1,021	151	870	0.08
Thresher sharks	1,571	16	1,555	0.12
Oceanic whitetip shark	192	0	192	0.01
Silky shark	93	0	93	0.01
Other Sharks	156	0	156	0.01
Total	30,461	167	30,294	2.24
Tuna PMUS				
Albacore	469	468	1	0.03
Bigeye tuna	43,605	42,834	771	3.20
Yellowfin tuna	20,590	20,220	370	1.51
Bluefin tuna	5	4	1	0.00
Skipjack tuna	5,498	5,421	77	0.40
Other tunas	0	0	0	0.00
Total	70,167	68,947	1,220	5.16
Other PMUS				
Mahimahi	13,426	13,281	145	0.99
Moonfish	8,462	8,448	14	0.62
Wahoo	6,719	6,677	42	0.49
Oilfish	3,244	3,003	241	0.24
Pomfret	15,067	14,959	108	1.11
Total	46,918	46,368	550	3.45
Total PMUS	156,583	124,333	32,250	11.51
Total Non-PMUS	847	206	641	0.06
Total All Species	157,430	124,539	32,891	11.57