

**The Hawaii - California Longline Limited-entry Fishery
Quarterly Report
1 January - 31 March, 2017¹**

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This quarterly report for the period 1 January - 31 March, 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 - 31 March, 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 January - 31 March, 2017
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	139
Number of trips (partial or completed)	451
Number of sets	5,223
Number of hooks set	13,318,341

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	1,573	1,563	10	0.12
Striped marlin	3,056	3,014	42	0.23
Shortbill spearfish	8,034	7,964	70	0.60
Swordfish	6,919	6,434	485	0.52
Other billfishes	146	144	2	0.01
Total	19,728	19,119	609	1.48
Shark PMUS				
Blue shark	20,060	0	20,060	1.51
Mako sharks	1,780	266	1,514	0.13
Thresher sharks	2,748	5	2,743	0.21
Oceanic whitetip shark	194	0	194	0.01
Silky shark	76	0	76	0.01
Other Sharks	179	1	178	0.01
Total	25,037	272	24,765	1.88
Tuna PMUS				
Albacore	3,016	2,979	37	0.23
Bigeye tuna	62,345	60,780	1,565	4.68
Yellowfin tuna	23,006	22,377	629	1.73
Bluefin tuna	3	3	0	0.00
Skipjack tuna	10,972	10,598	374	0.82
Other tunas	0	0	0	0.00
Total	99,342	96,737	2,605	7.46
Other PMUS				
Mahimahi	12,763	12,661	102	0.96
Moonfish	5,841	5,809	32	0.44
Wahoo	5,527	5,498	29	0.41
Oilfish	6,230	5,267	963	0.47
Pomfret	20,886	20,755	131	1.57
Total	51,247	49,990	1,257	3.85
Total PMUS	195,354	166,118	29,236	14.67
Total Non-PMUS	1,043	99	944	0.08
Total All Species	196,397	166,217	30,180	14.75

Table 2. For the period 1 January - 31 March, 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 January - 31 March, 2017
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	97
Number of trips (partial or completed)	178
Number of sets	971
Number of hooks set	2,503,656

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	336	332	4	0.13
Striped marlin	898	896	2	0.36
Shortbill spearfish	1,864	1,853	11	0.74
Swordfish	180	175	5	0.07
Other billfishes	75	75	0	0.03
Total	3,353	3,331	22	1.34
Shark PMUS				
Blue shark	3,528	0	3,528	1.41
Mako sharks	315	53	262	0.13
Thresher sharks	276	1	275	0.11
Oceanic whitetip shark	98	0	98	0.04
Silky shark	31	0	31	0.01
Other Sharks	17	0	17	0.01
Total	4,265	54	4,211	1.70
Tuna PMUS				
Albacore	62	62	0	0.02
Bigeye tuna	10,559	10,310	249	4.22
Yellowfin tuna	5,096	4,954	142	2.04
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,976	1,960	16	0.79
Other tunas	0	0	0	0.00
Total	17,693	17,286	407	7.07
Other PMUS				
Mahimahi	1,943	1,905	38	0.78
Moonfish	334	334	0	0.13
Wahoo	829	826	3	0.33
Oilfish	1,102	797	305	0.44
Pomfret	2,131	2,128	3	0.85
Total	6,339	5,990	349	2.53
Total PMUS	31,650	26,661	4,989	12.64
Total Non-PMUS	55	49	6	0.02
Total All Species	31,705	26,710	4,995	12.66

Table 3. For the period 1 January - 31 March, 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 January - 31 March, 2017
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	138
Number of trips (partial or completed)	403
Number of sets	4,252
Number of hooks set	10,814,685

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	1,237	1,231	6	0.11
Striped marlin	2,158	2,118	40	0.20
Shortbill spearfish	6,170	6,111	59	0.57
Swordfish	6,739	6,259	480	0.62
Other billfishes	71	69	2	0.01
Total	16,375	15,788	587	1.51
Shark PMUS				
Blue shark	16,532	0	16,532	1.53
Mako sharks	1,465	213	1,252	0.14
Thresher sharks	2,472	4	2,468	0.23
Oceanic whitetip shark	96	0	96	0.01
Silky shark	45	0	45	0.00
Other Sharks	162	1	161	0.01
Total	20,772	218	20,554	1.92
Tuna PMUS				
Albacore	2,954	2,917	37	0.27
Bigeye tuna	51,786	50,470	1,316	4.79
Yellowfin tuna	17,910	17,423	487	1.66
Bluefin tuna	3	3	0	0.00
Skipjack tuna	8,996	8,638	358	0.83
Other tunas	0	0	0	0.00
Total	81,649	79,451	2,198	7.55
Other PMUS				
Mahimahi	10,820	10,756	64	1.00
Moonfish	5,507	5,475	32	0.51
Wahoo	4,698	4,672	26	0.43
Oilfish	5,128	4,470	658	0.47
Pomfret	18,755	18,627	128	1.73
Total	44,908	44,000	908	4.15
Total PMUS	163,704	139,457	24,247	15.14
Total Non-PMUS	988	50	938	0.09
Total All Species	164,692	139,507	25,185	15.23

Table 4. For the period 1 January - 31 March, 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 January - 31 March, 2017
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	14
Number of trips (partial or completed)	30
Number of sets	380
Number of hooks set	396,657

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	6	4	2	0.02
Striped marlin	74	59	15	0.19
Shortbill spearfish	15	10	5	0.04
Swordfish	5,771	5,315	456	14.55
Other billfishes	13	13	0	0.03
Total	5,879	5,401	478	14.82
Shark PMUS				
Blue shark	4,344	0	4,344	10.95
Mako sharks	465	74	391	1.17
Thresher sharks	19	0	19	0.05
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	3	0	3	0.01
Total	4,831	74	4,757	12.18
Tuna PMUS				
Albacore	91	73	18	0.23
Bigeye tuna	857	798	59	2.16
Yellowfin tuna	733	691	42	1.85
Bluefin tuna	0	0	0	0.00
Skipjack tuna	29	29	0	0.07
Other tunas	0	0	0	0.00
Total	1,710	1,591	119	4.31
Other PMUS				
Mahimahi	299	289	10	0.75
Moonfish	81	68	13	0.20
Wahoo	22	22	0	0.06
Oilfish	128	67	61	0.32
Pomfret	15	10	5	0.04
Total	545	456	89	1.37
Total PMUS	12,965	7,522	5,443	32.69
Total Non-PMUS	0	0	0	0.00
Total All Species	12,965	7,522	5,443	32.69

Table 5. For the period 1 January - 31 March, 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 January - 31 March, 2017
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	132
Number of trips (partial or completed)	421
Number of sets	4,843
Number of hooks set	12,921,684

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	1,567	1,559	8	0.12
Striped marlin	2,982	2,955	27	0.23
Shortbill spearfish	8,019	7,954	65	0.62
Swordfish	1,148	1,119	29	0.09
Other billfishes	133	131	2	0.01
Total	13,849	13,718	131	1.07
Shark PMUS				
Blue shark	15,716	0	15,716	1.22
Mako sharks	1,315	192	1,123	0.10
Thresher sharks	2,729	5	2,724	0.21
Oceanic whitetip shark	194	0	194	0.02
Silky shark	76	0	76	0.01
Other Sharks	176	1	175	0.01
Total	20,206	198	20,008	1.56
Tuna PMUS				
Albacore	2,925	2,906	19	0.23
Bigeye tuna	61,488	59,982	1,506	4.76
Yellowfin tuna	22,273	21,686	587	1.72
Bluefin tuna	3	3	0	0.00
Skipjack tuna	10,943	10,569	374	0.85
Other tunas	0	0	0	0.00
Total	97,632	95,146	2,486	7.56
Other PMUS				
Mahimahi	12,464	12,372	92	0.96
Moonfish	5,760	5,741	19	0.45
Wahoo	5,505	5,476	29	0.43
Oilfish	6,102	5,200	902	0.47
Pomfret	20,871	20,745	126	1.62
Total	50,702	49,534	1,168	3.92
Total PMUS	182,389	158,596	23,793	14.11
Total Non-PMUS	1,043	99	944	0.08
Total All Species	183,432	158,695	24,737	14.20