

**The Hawaii - California Longline Limited-entry Fishery
Semi-annual Report
1 January - 30 June, 2019¹**

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This semi-annual report for the period 1 January - 30 June, 2019, 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_PRELIM_HC, representing preliminary data received as of 07 September 2019. 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.

¹PIFSC Data Report DR-xx-xxx. Issued dd mmm yyyy

Table 1. Hawaii and California permitted longline 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, 2019
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	898
Number of sets	11,404
Number of hooks set	31,664,323

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,602	6,563	39	0.21
Striped marlin	10,999	10,795	204	0.35
Shortbill spearfish	10,025	9,862	163	0.32
Swordfish	6,700	6,520	180	0.21
Other billfishes	153	149	4	0.00
Total	34,479	33,889	590	1.09
Shark PMUS				
Blue shark	46,939	2	46,937	1.48
Mako sharks	2,414	291	2,123	0.08
Thresher sharks	5,655	29	5,626	0.18
Oceanic whitetip shark	221	0	221	0.01
Silky shark	219	0	219	0.01
Total	55,448	322	55,126	1.75
Tuna PMUS				
Albacore	1,702	1,622	80	0.05
Bigeye tuna	111,952	109,654	2,298	3.54
Yellowfin tuna	27,448	26,678	770	0.87
Bluefin tuna	2	2	0	0.00
Skipjack tuna	20,507	20,285	222	0.65
Other tunas	0	0	0	0.00
Total	161,611	158,241	3,370	5.10
Other PMUS				
Mahimahi	18,035	17,908	127	0.57
Moonfish	10,812	10,766	46	0.34
Wahoo	24,535	24,432	103	0.77
Oilfish	8,189	6,889	1,300	0.26
Pomfret	29,333	29,130	203	0.93
Total	90,904	89,125	1,779	2.87
Total PMUS	342,442	281,577	60,865	10.81
Non-PMUS Sharks	150	0	150	0.00
Total Non-PMUS	1,332	80	1,252	0.04
Total All Species	343,774	281,657	62,117	10.86

Table 2. Hawaii and California permitted longline fisheries 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, 2019
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	132
Number of trips (partial or completed)	439
Number of sets	2,860
Number of hooks set	7,901,192

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,874	1,862	12	0.24
Striped marlin	3,479	3,463	16	0.44
Shortbill spearfish	2,605	2,572	33	0.33
Swordfish	901	893	8	0.11
Other billfishes	29	29	0	0.00
Total	8,888	8,819	69	1.12
Shark PMUS				
Blue shark	11,903	0	11,903	1.51
Mako sharks	552	85	467	0.07
Thresher sharks	722	2	720	0.09
Oceanic whitetip shark	76	0	76	0.01
Silky shark	82	0	82	0.01
Total	13,335	87	13,248	1.69
Tuna PMUS				
Albacore	82	82	0	0.01
Bigeye tuna	23,877	23,615	262	3.02
Yellowfin tuna	6,419	6,328	91	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	4,889	4,856	33	0.62
Other tunas	0	0	0	0.00
Total	35,267	34,881	386	4.46
Other PMUS				
Mahimahi	3,069	3,055	14	0.39
Moonfish	1,421	1,419	2	0.18
Wahoo	4,682	4,669	13	0.59
Oilfish	1,918	1,673	245	0.24
Pomfret	8,435	8,379	56	1.07
Total	19,525	19,195	330	2.47
Total PMUS	77,015	62,982	14,033	9.75
Non-PMUS Sharks	26	0	26	0.00
Total Non-PMUS	97	20	77	0.01
Total All Species	77,112	63,002	14,110	9.76

Table 3. Hawaii and California permitted longline 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, 2019
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	144
Number of trips (partial or completed)	781
Number of sets	8,544
Number of hooks set	23,763,131

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,728	4,701	27	0.20
Striped marlin	7,520	7,332	188	0.32
Shortbill spearfish	7,420	7,290	130	0.31
Swordfish	5,799	5,627	172	0.24
Other billfishes	124	120	4	0.01
Total	25,591	25,070	521	1.08
Shark PMUS				
Blue shark	35,036	2	35,034	1.47
Mako sharks	1,862	206	1,656	0.08
Thresher sharks	4,933	27	4,906	0.21
Oceanic whitetip shark	145	0	145	0.01
Silky shark	137	0	137	0.01
Total	42,113	235	41,878	1.77
Tuna PMUS				
Albacore	1,620	1,540	80	0.07
Bigeye tuna	88,075	86,039	2,036	3.71
Yellowfin tuna	21,029	20,350	679	0.88
Bluefin tuna	2	2	0	0.00
Skipjack tuna	15,618	15,429	189	0.66
Other tunas	0	0	0	0.00
Total	126,344	123,360	2,984	5.32
Other PMUS				
Mahimahi	14,966	14,853	113	0.63
Moonfish	9,391	9,347	44	0.40
Wahoo	19,853	19,763	90	0.84
Oilfish	6,271	5,216	1,055	0.26
Pomfret	20,898	20,751	147	0.88
Total	71,379	69,930	1,449	3.00
Total PMUS	265,427	218,595	46,832	11.17
Non-PMUS Sharks	124	0	124	0.01
Total Non-PMUS	1,235	60	1,175	0.05
Total All Species	266,662	218,655	48,007	11.22

Table 4. Hawaii and California permitted longline 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, 2019
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	14
Number of trips (partial or completed)	25
Number of sets	284
Number of hooks set	351,059

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	0	0	0	0.00
Striped marlin	12	9	3	0.03
Shortbill spearfish	18	13	5	0.05
Swordfish	3,435	3,317	118	9.78
Other billfishes	3	3	0	0.01
Total	3,468	3,342	126	9.88
Shark PMUS				
Blue shark	2,993	0	2,993	8.53
Mako sharks	197	98	99	0.56
Thresher sharks	5	0	5	0.01
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Total	3,195	98	3,097	9.10
Tuna PMUS				
Albacore	81	81	0	0.23
Bigeye tuna	874	838	36	2.49
Yellowfin tuna	331	327	4	0.94
Bluefin tuna	0	0	0	0.00
Skipjack tuna	20	16	4	0.06
Other tunas	0	0	0	0.00
Total	1,306	1,262	44	3.72
Other PMUS				
Mahimahi	247	246	1	0.70
Moonfish	31	31	0	0.09
Wahoo	3	3	0	0.01
Oilfish	56	38	18	0.16
Pomfret	5	5	0	0.01
Total	342	323	19	0.97
Total PMUS	8,311	5,025	3,286	23.67
Non-PMUS Sharks	0	0	0	0.00
Total Non-PMUS	0	0	0	0.00
Total All Species	8,311	5,025	3,286	23.67

Table 5. Hawaii and California permitted longline 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, 2019
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	873
Number of sets	11,120
Number of hooks set	31,313,264

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,602	6,563	39	0.21
Striped marlin	10,987	10,786	201	0.35
Shortbill spearfish	10,007	9,849	158	0.32
Swordfish	3,265	3,203	62	0.10
Other billfishes	150	146	4	0.00
Total	31,011	30,547	464	0.99
Shark PMUS				
Blue shark	43,946	2	43,944	1.40
Mako sharks	2,217	193	2,024	0.07
Thresher sharks	5,650	29	5,621	0.18
Oceanic whitetip shark	221	0	221	0.01
Silky shark	219	0	219	0.01
Total	52,253	224	52,029	1.67
Tuna PMUS				
Albacore	1,621	1,541	80	0.05
Bigeye tuna	111,078	108,816	2,262	3.55
Yellowfin tuna	27,117	26,351	766	0.87
Bluefin tuna	2	2	0	0.00
Skipjack tuna	20,487	20,269	218	0.65
Other tunas	0	0	0	0.00
Total	160,305	156,979	3,326	5.12
Other PMUS				
Mahimahi	17,788	17,662	126	0.57
Moonfish	10,781	10,735	46	0.34
Wahoo	24,532	24,429	103	0.78
Oilfish	8,133	6,851	1,282	0.26
Pomfret	29,328	29,125	203	0.94
Total	90,562	88,802	1,760	2.89
Total PMUS	334,131	276,552	57,579	10.67
Non-PMUS Sharks	150	0	150	0.00
Total Non-PMUS	1,332	80	1,252	0.04
Total All Species	335,463	276,632	58,831	10.71