

**The Hawaii - California Longline Limited-entry Fishery
Semi-annual Report
1 July - 31 December, 2018¹**

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This semi-annual report for the period 1 July - 31 December, 2018, contains summary data 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-19-042. Issued 12 Dec 2019
<https://doi.org/10.25923/5p5a-cg92>

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 July - 31 December, 2018
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	138
Number of trips (partial or completed)	848
Number of sets	10,672
Number of hooks set	29,860,150

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,519	3,414	105	0.12
Striped marlin	7,023	6,951	72	0.24
Shortbill spearfish	6,368	6,254	114	0.21
Swordfish	2,024	1,843	181	0.07
Other billfishes	226	223	3	0.01
Total	19,160	18,685	475	0.64
Shark PMUS				
Blue shark	53,467	0	53,467	1.79
Mako sharks	2,375	336	2,039	0.08
Thresher sharks	2,657	12	2,645	0.09
Oceanic whitetip shark	236	0	236	0.01
Silky shark	69	0	69	0.00
Total	58,804	348	58,456	1.97
Tuna PMUS				
Albacore	2,703	2,662	41	0.09
Bigeye tuna	113,699	110,556	3,143	3.81
Yellowfin tuna	23,298	22,954	344	0.78
Bluefin tuna	3	3	0	0.00
Skipjack tuna	8,179	8,031	148	0.27
Other tunas	0	0	0	0.00
Total	147,882	144,206	3,676	4.95
Other PMUS				
Mahimahi	22,459	22,233	226	0.75
Moonfish	18,565	18,296	269	0.62
Wahoo	13,288	13,231	57	0.45
Oilfish	8,084	7,240	844	0.27
Pomfret	24,743	24,465	278	0.83
Total	87,139	85,465	1,674	2.92
Total PMUS	312,985	248,704	64,281	10.48
Non-PMUS Sharks	272	0	272	0.01
Total Non-PMUS	3,587	309	3,278	0.12
Total All Species	316,572	249,013	67,559	10.60

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 July - 31 December, 2018
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	118
Number of trips (partial or completed)	381
Number of sets	2,465
Number of hooks set	6,739,209

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,128	1,040	88	0.17
Striped marlin	1,957	1,952	5	0.29
Shortbill spearfish	1,416	1,411	5	0.21
Swordfish	392	344	48	0.06
Other billfishes	49	48	1	0.01
Total	4,942	4,795	147	0.73
Shark PMUS				
Blue shark	12,291	0	12,291	1.82
Mako sharks	387	79	308	0.06
Thresher sharks	366	1	365	0.05
Oceanic whitetip shark	59	0	59	0.01
Silky shark	18	0	18	0.00
Total	13,121	80	13,041	1.95
Tuna PMUS				
Albacore	131	130	1	0.02
Bigeye tuna	17,871	17,578	293	2.65
Yellowfin tuna	6,178	6,101	77	0.92
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,480	1,454	26	0.22
Other tunas	0	0	0	0.00
Total	25,660	25,263	397	3.81
Other PMUS				
Mahimahi	5,824	5,781	43	0.86
Moonfish	998	995	3	0.15
Wahoo	2,627	2,616	11	0.39
Oilfish	1,765	1,692	73	0.26
Pomfret	4,709	4,675	34	0.70
Total	15,923	15,759	164	2.36
Total PMUS	59,646	45,897	13,749	8.85
Non-PMUS Sharks	11	0	11	0.00
Total Non-PMUS	391	227	164	0.06
Total All Species	60,037	46,124	13,913	8.91

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		Number of vessels active		
Time Period	1 July - 31 December, 2018	136		
Set Types	All sets	Number of trips (partial or completed) 742		
Fishing Area	Outside U.S. EEZ	Number of sets 8,207		
		Number of hooks set 23,120,941		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,391	2,374	17	0.10
Striped marlin	5,066	4,999	67	0.22
Shortbill spearfish	4,952	4,843	109	0.21
Swordfish	1,632	1,499	133	0.07
Other billfishes	177	175	2	0.01
Total	14,218	13,890	328	0.61
Shark PMUS				
Blue shark	41,176	0	41,176	1.78
Mako sharks	1,988	257	1,731	0.09
Thresher sharks	2,291	11	2,280	0.10
Oceanic whitetip shark	177	0	177	0.01
Silky shark	51	0	51	0.00
Total	45,683	268	45,415	1.98
Tuna PMUS				
Albacore	2,572	2,532	40	0.11
Bigeye tuna	95,828	92,978	2,850	4.14
Yellowfin tuna	17,120	16,853	267	0.74
Bluefin tuna	3	3	0	0.00
Skipjack tuna	6,699	6,577	122	0.29
Other tunas	0	0	0	0.00
Total	122,222	118,943	3,279	5.29
Other PMUS				
Mahimahi	16,635	16,452	183	0.72
Moonfish	17,567	17,301	266	0.76
Wahoo	10,661	10,615	46	0.46
Oilfish	6,319	5,548	771	0.27
Pomfret	20,034	19,790	244	0.87
Total	71,216	69,706	1,510	3.08
Total PMUS	253,339	202,807	50,532	10.96
Non-PMUS Sharks	261	0	261	0.01
Total Non-PMUS	3,196	82	3,114	0.14
Total All Species	256,535	202,889	53,646	11.10

Table 4. 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		Number of vessels active		
Time Period	1 July - 31 December, 2018	138		
Set Types	Deep sets	Number of trips (partial or completed) 848		
Fishing Area	All Areas	Number of sets 10,672		
		Number of hooks set 29,860,150		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,519	3,414	105	0.12
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Shark PMUS				
Blue shark	53,467	0	53,467	1.79
Mako sharks	2,375	336	2,039	0.08
Thresher sharks	2,657	12	2,645	0.09
Oceanic whitetip shark	236	0	236	0.01
Silky shark	69	0	69	0.00
Total	58,804	348	58,456	1.97
Tuna PMUS				
Albacore	2,703	2,662	41	0.09
Bigeye tuna	113,699	110,556	3,143	3.81
Yellowfin tuna	23,298	22,954	344	0.78
Bluefin tuna	3	3	0	0.00
Skipjack tuna	8,179	8,031	148	0.27
Other tunas	0	0	0	0.00
Total	147,882	144,206	3,676	4.95
Other PMUS				
Mahimahi	22,459	22,233	226	0.75
Moonfish	18,565	18,296	269	0.62
Wahoo	13,288	13,231	57	0.45
Oilfish	8,084	7,240	844	0.27
Pomfret	24,743	24,465	278	0.83
Total	87,139	85,465	1,674	2.92
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Total Non-PMUS	3,587	309	3,278	0.12
Total All Species	316,572	249,013	67,559	10.60