

**The Hawaii - California Longline Limited-entry Fishery
Quarterly Report
1 October - 31 December, 2018¹**

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This quarterly report for the period 1 October - 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.

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Table 1. Hawaii and California permitted longline 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 October - 31 December, 2018
Set Types All sets
Fishing Area All Areas

Number of vessels active	135
Number of trips (partial or completed)	472
Number of sets	5,764
Number of hooks set	16,147,662

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,873	1,784	89	0.12
Striped marlin	5,341	5,284	57	0.33
Shortbill spearfish	4,108	4,029	79	0.25
Swordfish	1,249	1,114	135	0.08
Other billfishes	89	87	2	0.01
Total	12,660	12,298	362	0.78
Shark PMUS				
Blue shark	27,512	0	27,512	1.70
Mako sharks	1,388	195	1,193	0.09
Thresher sharks	1,286	4	1,282	0.08
Oceanic whitetip shark	75	0	75	0.00
Silky shark	13	0	13	0.00
Total	30,274	199	30,075	1.87
Tuna PMUS				
Albacore	1,040	1,005	35	0.06
Bigeye tuna	71,340	68,964	2,376	4.42
Yellowfin tuna	12,335	12,127	208	0.76
Bluefin tuna	1	1	0	0.00
Skipjack tuna	5,678	5,551	127	0.35
Other tunas	0	0	0	0.00
Total	90,394	87,648	2,746	5.60
Other PMUS				
Mahimahi	13,030	12,842	188	0.81
Moonfish	5,511	5,503	8	0.34
Wahoo	6,717	6,674	43	0.42
Oilfish	5,101	4,605	496	0.32
Pomfret	11,332	11,140	192	0.70
Total	41,691	40,764	927	2.58
Total PMUS	175,019	140,909	34,110	10.84
Non-PMUS Sharks	124	0	124	0.01
Total Non-PMUS	2,566	37	2,529	0.16
Total All Species	177,585	140,946	36,639	11.00

Table 2. Hawaii and California permitted longline fisheries 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 October - 31 December, 2018
Set Types All sets
Fishing Area Inside U.S. EEZ

Number of vessels active	102
Number of trips (partial or completed)	219
Number of sets	1,453
Number of hooks set	3,986,055

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	617	532	85	0.15
Striped marlin	1,567	1,562	5	0.39
Shortbill spearfish	951	946	5	0.24
Swordfish	245	208	37	0.06
Other billfishes	28	27	1	0.01
Total	3,408	3,275	133	0.85
Shark PMUS				
Blue shark	7,806	0	7,806	1.96
Mako sharks	266	60	206	0.07
Thresher sharks	186	1	185	0.05
Oceanic whitetip shark	20	0	20	0.01
Silky shark	2	0	2	0.00
Total	8,280	61	8,219	2.08
Tuna PMUS				
Albacore	29	29	0	0.01
Bigeye tuna	13,357	13,148	209	3.35
Yellowfin tuna	1,731	1,709	22	0.43
Bluefin tuna	0	0	0	0.00
Skipjack tuna	741	722	19	0.19
Other tunas	0	0	0	0.00
Total	15,858	15,608	250	3.98
Other PMUS				
Mahimahi	3,990	3,950	40	1.00
Moonfish	522	521	1	0.13
Wahoo	930	920	10	0.23
Oilfish	1,195	1,155	40	0.30
Pomfret	2,941	2,919	22	0.74
Total	9,578	9,465	113	2.40
Total PMUS	37,124	28,409	8,715	9.31
Non-PMUS Sharks	5	0	5	0.00
Total Non-PMUS	14	7	7	0.00
Total All Species	37,138	28,416	8,722	9.32

Table 3. Hawaii and California permitted longline 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 October - 31 December, 2018	Number of vessels active	132	
Set Types	All sets	Number of trips (partial or completed)	411	
Fishing Area	Outside U.S. EEZ	Number of sets	4,311	
		Number of hooks set	12,161,607	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,256	1,252	4	0.10
Striped marlin	3,774	3,722	52	0.31
Shortbill spearfish	3,157	3,083	74	0.26
Swordfish	1,004	906	98	0.08
Other billfishes	61	60	1	0.01
Total	9,252	9,023	229	0.76
Shark PMUS				
Blue shark	19,706	0	19,706	1.62
Mako sharks	1,122	135	987	0.09
Thresher sharks	1,100	3	1,097	0.09
Oceanic whitetip shark	55	0	55	0.00
Silky shark	11	0	11	0.00
Total	21,994	138	21,856	1.81
Tuna PMUS				
Albacore	1,011	976	35	0.08
Bigeye tuna	57,983	55,816	2,167	4.77
Yellowfin tuna	10,604	10,418	186	0.87
Bluefin tuna	1	1	0	0.00
Skipjack tuna	4,937	4,829	108	0.41
Other tunas	0	0	0	0.00
Total	74,536	72,040	2,496	6.13
Other PMUS				
Mahimahi	9,040	8,892	148	0.74
Moonfish	4,989	4,982	7	0.41
Wahoo	5,787	5,754	33	0.48
Oilfish	3,906	3,450	456	0.32
Pomfret	8,391	8,221	170	0.69
Total	32,113	31,299	814	2.64
Total PMUS	137,895	112,500	25,395	11.34
Non-PMUS Sharks	119	0	119	0.01
Total Non-PMUS	2,552	30	2,522	0.21
Total All Species	140,447	112,530	27,917	11.55

Table 4. Hawaii and California permitted longline 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 October - 31 December, 2018	Number of vessels active	135	
Set Types	Deep sets	Number of trips (partial or completed)	472	
Fishing Area	All Areas	Number of sets	5,764	
		Number of hooks set	16,147,662	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,873	1,784	89	0.12
Striped marlin	5,341	5,284	57	0.33
Shortbill spearfish	4,108	4,029	79	0.25
Swordfish	1,249	1,114	135	0.08
Other billfishes	89	87	2	0.01
Total	12,660	12,298	362	0.78
Shark PMUS				
Blue shark	27,512	0	27,512	1.70
Mako sharks	1,388	195	1,193	0.09
Thresher sharks	1,286	4	1,282	0.08
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Silky shark	13	0	13	0.00
Total	30,274	199	30,075	1.87
Tuna PMUS				
Albacore	1,040	1,005	35	0.06
Bigeye tuna	71,340	68,964	2,376	4.42
Yellowfin tuna	12,335	12,127	208	0.76
Bluefin tuna	1	1	0	0.00
Skipjack tuna	5,678	5,551	127	0.35
Other tunas	0	0	0	0.00
Total	90,394	87,648	2,746	5.60
Other PMUS				
Mahimahi	13,030	12,842	188	0.81
Moonfish	5,511	5,503	8	0.34
Wahoo	6,717	6,674	43	0.42
Oilfish	5,101	4,605	496	0.32
Pomfret	11,332	11,140	192	0.70
Total	41,691	40,764	927	2.58
Total PMUS	175,019	140,909	34,110	10.84
Non-PMUS Sharks	124	0	124	0.01
Total Non-PMUS	2,566	37	2,529	0.16
Total All Species	177,585	140,946	36,639	11.00