

**The Hawaii - California Longline Limited-entry Fishery
Quarterly Report
1 April - 30 June, 2018¹**

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This quarterly report for the period 1 April - 30 June, 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-19-044. Issued 16 Dec 2019
<https://doi.org/10.25923/xaq3-4z80>

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		Number of vessels active			135
Time Period	1 April - 30 June, 2018	Number of trips (partial or completed)			470
Set Types	All sets	Number of sets			5,193
Fishing Area	All Areas	Number of hooks set			14,371,980

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,507	2,498	9	0.17
Striped marlin	3,983	3,922	61	0.28
Shortbill spearfish	4,106	4,033	73	0.29
Swordfish	3,441	3,343	98	0.24
Other billfishes	163	162	1	0.01
Total	14,200	13,958	242	0.99
Shark PMUS				
Blue shark	21,303	0	21,303	1.48
Mako sharks	1,337	171	1,166	0.09
Thresher sharks	1,341	3	1,338	0.09
Oceanic whitetip shark	65	0	65	0.00
Silky shark	102	0	102	0.01
Total	24,148	174	23,974	1.68
Tuna PMUS				
Albacore	693	692	1	0.05
Bigeye tuna	44,395	43,791	604	3.09
Yellowfin tuna	18,206	18,028	178	1.27
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,254	5,195	59	0.37
Other tunas	0	0	0	0.00
Total	68,548	67,706	842	4.77
Other PMUS				
Mahimahi	9,547	9,429	118	0.66
Moonfish	7,762	7,716	46	0.54
Wahoo	12,346	12,288	58	0.86
Oilfish	3,289	2,549	740	0.23
Pomfret	14,036	13,963	73	0.98
Total	46,980	45,945	1,035	3.27
Total PMUS	153,876	127,783	26,093	10.71
Non-PMUS Sharks	61	0	61	0.00
Total Non-PMUS	929	214	715	0.06
Total All Species	154,805	127,997	26,808	10.77

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 April - 30 June, 2018
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	107
Number of trips (partial or completed)	246
Number of sets	1,439
Number of hooks set	3,869,927

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,202	1,196	6	0.31
Striped marlin	1,137	1,135	2	0.29
Shortbill spearfish	1,647	1,644	3	0.43
Swordfish	868	850	18	0.22
Other billfishes	70	70	0	0.02
Total	4,924	4,895	29	1.27
Shark PMUS				
Blue shark	5,138	0	5,138	1.33
Mako sharks	282	54	228	0.07
Thresher sharks	408	0	408	0.11
Oceanic whitetip shark	37	0	37	0.01
Silky shark	66	0	66	0.02
Total	5,931	54	5,877	1.53
Tuna PMUS				
Albacore	141	141	0	0.04
Bigeye tuna	11,152	10,961	191	2.88
Yellowfin tuna	6,268	6,176	92	1.62
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,827	2,798	29	0.73
Other tunas	0	0	0	0.00
Total	20,388	20,076	312	5.27
Other PMUS				
Mahimahi	1,262	1,259	3	0.33
Moonfish	811	810	1	0.21
Wahoo	3,012	3,001	11	0.78
Oilfish	929	691	238	0.24
Pomfret	3,756	3,730	26	0.97
Total	9,770	9,491	279	2.52
Total PMUS	41,013	34,516	6,497	10.60
Non-PMUS Sharks	14	0	14	0.00
Total Non-PMUS	233	187	46	0.06
Total All Species	41,246	34,703	6,543	10.66

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		Summary Statistics		
Time Period	1 April - 30 June, 2018	Number of vessels active	132	
Set Types	All sets	Number of trips (partial or completed)	396	
Fishing Area	Outside U.S. EEZ	Number of sets	3,754	
		Number of hooks set	10,502,053	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,305	1,302	3	0.12
Striped marlin	2,846	2,787	59	0.27
Shortbill spearfish	2,459	2,389	70	0.23
Swordfish	2,573	2,493	80	0.24
Other billfishes	93	92	1	0.01
Total	9,276	9,063	213	0.88
Shark PMUS				
Blue shark	16,165	0	16,165	1.54
Mako sharks	1,055	117	938	0.10
Thresher sharks	933	3	930	0.09
Oceanic whitetip shark	28	0	28	0.00
Silky shark	36	0	36	0.00
Total	18,217	120	18,097	1.73
Tuna PMUS				
Albacore	552	551	1	0.05
Bigeye tuna	33,243	32,830	413	3.17
Yellowfin tuna	11,938	11,852	86	1.14
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,427	2,397	30	0.23
Other tunas	0	0	0	0.00
Total	48,160	47,630	530	4.59
Other PMUS				
Mahimahi	8,285	8,170	115	0.79
Moonfish	6,951	6,906	45	0.66
Wahoo	9,334	9,287	47	0.89
Oilfish	2,360	1,858	502	0.22
Pomfret	10,280	10,233	47	0.98
Total	37,210	36,454	756	3.54
Total PMUS	112,863	93,267	19,596	10.75
Non-PMUS Sharks	47	0	47	0.00
Total Non-PMUS	696	27	669	0.07
Total All Species	113,559	93,294	20,265	10.81

Table 4. Hawaii and California permitted longline 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		Number of vessels active		
Time Period	1 April - 30 June, 2018	5		
Set Types	Shallow sets	Number of trips (partial or completed) 6		
Fishing Area	All Areas	Number of sets 31		
		Number of hooks set 36,018		

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	0.06
Striped marlin	22	22	0	0.61
Shortbill spearfish	13	13	0	0.36
Swordfish	441	376	65	12.24
Other billfishes	0	0	0	0.00
Total	478	413	65	13.27
Shark PMUS				
Blue shark	103	0	103	2.86
Mako sharks	11	7	4	0.31
Thresher sharks	2	1	1	0.06
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Total	116	8	108	3.22
Tuna PMUS				
Albacore	1	1	0	0.03
Bigeye tuna	67	66	1	1.86
Yellowfin tuna	99	96	3	2.75
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1	1	0	0.03
Other tunas	0	0	0	0.00
Total	168	164	4	4.66
Other PMUS				
Mahimahi	214	213	1	5.94
Moonfish	0	0	0	0.00
Wahoo	7	7	0	0.19
Oilfish	15	15	0	0.42
Pomfret	0	0	0	0.00
Total	236	235	1	6.55
Total PMUS	998	820	178	27.71
Non-PMUS Sharks	0	0	0	0.00
Total Non-PMUS	0	0	0	0.00
Total All Species	998	820	178	27.71

Table 5. 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		Number of vessels active			135
Time Period	1 April - 30 June, 2018	Number of trips (partial or completed)			464
Set Types	Deep sets	Number of sets			5,162
Fishing Area	All Areas	Number of hooks set			14,335,962

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,505	2,496	9	0.17
Striped marlin	3,961	3,900	61	0.28
Shortbill spearfish	4,093	4,020	73	0.29
Swordfish	3,000	2,967	33	0.21
Other billfishes	163	162	1	0.01
Total	13,722	13,545	177	0.96
Shark PMUS				
Blue shark	21,200	0	21,200	1.48
Mako sharks	1,326	164	1,162	0.09
Thresher sharks	1,339	2	1,337	0.09
Oceanic whitetip shark	65	0	65	0.00
Silky shark	102	0	102	0.01
Total	24,032	166	23,866	1.68
Tuna PMUS				
Albacore	692	691	1	0.05
Bigeye tuna	44,328	43,725	603	3.09
Yellowfin tuna	18,107	17,932	175	1.26
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,253	5,194	59	0.37
Other tunas	0	0	0	0.00
Total	68,380	67,542	838	4.77
Other PMUS				
Mahimahi	9,333	9,216	117	0.65
Moonfish	7,762	7,716	46	0.54
Wahoo	12,339	12,281	58	0.86
Oilfish	3,274	2,534	740	0.23
Pomfret	14,036	13,963	73	0.98
Total	46,744	45,710	1,034	3.26
Total PMUS	152,878	126,963	25,915	10.66
Non-PMUS Sharks	61	0	61	0.00
Total Non-PMUS	929	214	715	0.06
Total All Species	153,807	127,177	26,630	10.73