

**The Hawaii - California Longline Limited-entry Fishery
Semi-annual Report
1 January - 30 June, 2018¹**

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This semi-annual report for the period 1 January - 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.

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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		Number of vessels active			140
Time Period	1 January - 30 June, 2018	Number of trips (partial or completed)			899
Set Types	All sets	Number of sets			10,742
Fishing Area	All Areas	Number of hooks set			29,140,552

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,046	4,017	29	0.14
Striped marlin	8,766	8,604	162	0.30
Shortbill spearfish	9,153	8,979	174	0.31
Swordfish	10,198	9,665	533	0.35
Other billfishes	243	238	5	0.01
Total	32,406	31,503	903	1.11
Shark PMUS				
Blue shark	40,800	0	40,800	1.40
Mako sharks	2,905	395	2,510	0.10
Thresher sharks	2,869	11	2,858	0.10
Oceanic whitetip shark	163	0	163	0.01
Silky shark	167	0	167	0.01
Total	46,904	406	46,498	1.61
Tuna PMUS				
Albacore	1,089	1,086	3	0.04
Bigeye tuna	106,344	104,365	1,979	3.65
Yellowfin tuna	39,187	38,517	670	1.34
Bluefin tuna	4	2	2	0.00
Skipjack tuna	9,940	9,687	253	0.34
Other tunas	0	0	0	0.00
Total	156,564	153,657	2,907	5.37
Other PMUS				
Mahimahi	22,309	21,946	363	0.77
Moonfish	14,631	14,529	102	0.50
Wahoo	17,998	17,888	110	0.62
Oilfish	8,843	7,333	1,510	0.30
Pomfret	31,211	31,020	191	1.07
Total	94,992	92,716	2,276	3.26
Total PMUS	330,866	278,282	52,584	11.35
Non-PMUS Sharks	91	0	91	0.00
Total Non-PMUS	1,107	270	837	0.04
Total All Species	331,973	278,552	53,421	11.39

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, 2018			
Set Types	All sets			
Fishing Area	Inside U.S. EEZ			
		Number of vessels active	125	
		Number of trips (partial or completed)	514	
		Number of sets	3,203	
		Number of hooks set	8,681,539	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,790	1,783	7	0.21
Striped marlin	3,431	3,425	6	0.40
Shortbill spearfish	3,618	3,611	7	0.42
Swordfish	1,288	1,258	30	0.15
Other billfishes	101	101	0	0.01
Total	10,228	10,178	50	1.18
Shark PMUS				
Blue shark	11,884	0	11,884	1.37
Mako sharks	769	127	642	0.09
Thresher sharks	759	1	758	0.09
Oceanic whitetip shark	94	0	94	0.01
Silky shark	102	0	102	0.01
Total	13,608	128	13,480	1.57
Tuna PMUS				
Albacore	161	161	0	0.02
Bigeye tuna	28,545	28,005	540	3.29
Yellowfin tuna	13,481	13,159	322	1.55
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,944	3,876	68	0.45
Other tunas	0	0	0	0.00
Total	46,131	45,201	930	5.31
Other PMUS				
Mahimahi	4,414	4,389	25	0.51
Moonfish	1,639	1,637	2	0.19
Wahoo	4,585	4,552	33	0.53
Oilfish	2,989	2,519	470	0.34
Pomfret	8,365	8,328	37	0.96
Total	21,992	21,425	567	2.53
Total PMUS	91,959	76,932	15,027	10.59
Non-PMUS Sharks	30	0	30	0.00
Total Non-PMUS	292	223	69	0.03
Total All Species	92,251	77,155	15,096	10.63

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 January - 30 June, 2018	137		
Set Types	All sets	758		
Fishing Area	Outside U.S. EEZ	7,539		
		20,459,013		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,256	2,234	22	0.11
Striped marlin	5,335	5,179	156	0.26
Shortbill spearfish	5,535	5,368	167	0.27
Swordfish	8,910	8,407	503	0.44
Other billfishes	142	137	5	0.01
Total	22,178	21,325	853	1.08
Shark PMUS				
Blue shark	28,916	0	28,916	1.41
Mako sharks	2,136	268	1,868	0.10
Thresher sharks	2,110	10	2,100	0.10
Oceanic whitetip shark	69	0	69	0.00
Silky shark	65	0	65	0.00
Total	33,296	278	33,018	1.63
Tuna PMUS				
Albacore	928	925	3	0.05
Bigeye tuna	77,799	76,360	1,439	3.80
Yellowfin tuna	25,706	25,358	348	1.26
Bluefin tuna	4	2	2	0.00
Skipjack tuna	5,996	5,811	185	0.29
Other tunas	0	0	0	0.00
Total	110,433	108,456	1,977	5.40
Other PMUS				
Mahimahi	17,895	17,557	338	0.87
Moonfish	12,992	12,892	100	0.64
Wahoo	13,413	13,336	77	0.66
Oilfish	5,854	4,814	1,040	0.29
Pomfret	22,846	22,692	154	1.12
Total	73,000	71,291	1,709	3.57
Total PMUS	238,907	201,350	37,557	11.68
Non-PMUS Sharks	61	0	61	0.00
Total Non-PMUS	815	47	768	0.04
Total All Species	239,722	201,397	38,325	11.72

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		Number of vessels active			11
Time Period	1 January - 30 June, 2018	Number of trips (partial or completed)			30
Set Types	Shallow sets	Number of sets			420
Fishing Area	All Areas	Number of hooks set			499,809

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	5	2	3	0.01
Striped marlin	62	41	21	0.12
Shortbill spearfish	44	39	5	0.09
Swordfish	6,110	5,644	466	12.22
Other billfishes	0	0	0	0.00
Total	6,221	5,726	495	12.45
Shark PMUS				
Blue shark	2,538	0	2,538	5.08
Mako sharks	346	63	283	0.69
Thresher sharks	25	1	24	0.05
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Total	2,909	64	2,845	5.82
Tuna PMUS				
Albacore	137	136	1	0.27
Bigeye tuna	1,291	1,221	70	2.58
Yellowfin tuna	778	761	17	1.56
Bluefin tuna	2	2	0	0.00
Skipjack tuna	16	16	0	0.03
Other tunas	0	0	0	0.00
Total	2,224	2,136	88	4.45
Other PMUS				
Mahimahi	639	626	13	1.28
Moonfish	172	157	15	0.34
Wahoo	26	24	2	0.05
Oilfish	169	66	103	0.34
Pomfret	24	17	7	0.05
Total	1,030	890	140	2.06
Total PMUS	12,384	8,816	3,568	24.78
Non-PMUS Sharks	1	0	1	0.00
Total Non-PMUS	1	0	1	0.00
Total All Species	12,385	8,816	3,569	24.78

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		Number of vessels active			140
Time Period	1 January - 30 June, 2018	Number of trips (partial or completed)			869
Set Types	Deep sets	Number of sets			10,322
Fishing Area	All Areas	Number of hooks set			28,640,743

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,041	4,015	26	0.14
Striped marlin	8,704	8,563	141	0.30
Shortbill spearfish	9,109	8,940	169	0.32
Swordfish	4,088	4,021	67	0.14
Other billfishes	243	238	5	0.01
Total	26,185	25,777	408	0.91
Shark PMUS				
Blue shark	38,262	0	38,262	1.34
Mako sharks	2,559	332	2,227	0.09
Thresher sharks	2,844	10	2,834	0.10
Oceanic whitetip shark	163	0	163	0.01
Silky shark	167	0	167	0.01
Total	43,995	342	43,653	1.54
Tuna PMUS				
Albacore	952	950	2	0.03
Bigeye tuna	105,053	103,144	1,909	3.67
Yellowfin tuna	38,409	37,756	653	1.34
Bluefin tuna	2	0	2	0.00
Skipjack tuna	9,924	9,671	253	0.35
Other tunas	0	0	0	0.00
Total	154,340	151,521	2,819	5.39
Other PMUS				
Mahimahi	21,670	21,320	350	0.76
Moonfish	14,459	14,372	87	0.50
Wahoo	17,972	17,864	108	0.63
Oilfish	8,674	7,267	1,407	0.30
Pomfret	31,187	31,003	184	1.09
Total	93,962	91,826	2,136	3.28
Total PMUS	318,482	269,466	49,016	11.12
Non-PMUS Sharks	90	0	90	0.00
Total Non-PMUS	1,106	270	836	0.04
Total All Species	319,588	269,736	49,852	11.16