

**The Hawaii-California Pelagic Longline Vessels
Semi-annual Report
1 July-31 December 2019¹**

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This semi-annual report for the period 1 July-31 December 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_RFMO_HC, representing preliminary data received as of 15 March 2020. 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).

The following tables show fishery statistics for the stated time period, area, and set type, and include effort (number of vessels, trips, sets, and hooks set). For each listed species, organized by pelagic management unit species (PMUS), 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.

References:

Pacific Islands Fisheries Science Center, 2020: Hawaii Longline Logbook,
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2020: California Pelagic Longline Fishery,
<https://www.fisheries.noaa.gov/inport/item/12906>

¹PIFSC Data Report DR-20-010. Issued 04 September 2020
<https://doi.org/10.25923/df4d-x276>

Table 1. For the period 1 July - 31 December, 2019, 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, 2019
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	147
Number of trips (partial or completed)	909
Number of sets	11,284
Number of hooks set	31,825,507

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6,324	6,210	114	0.20
Striped marlin	9,526	9,099	427	0.30
Shortbill spearfish	6,237	5,985	252	0.20
Swordfish	1,626	1,533	93	0.05
Other billfishes	1,241	1,219	22	0.04
Total	24,954	24,046	908	0.78
Shark PMUS				
Blue shark	67,378	0	67,378	2.12
Mako sharks	2,665	266	2,399	0.08
Thresher sharks	3,093	24	3,069	0.10
Oceanic whitetip shark	272	0	272	0.01
Silky shark	144	0	144	0.00
Total	73,552	290	73,262	2.31
Tuna PMUS				
Albacore	2,723	2,712	11	0.09
Bigeye tuna	111,232	107,545	3,687	3.50
Yellowfin tuna	34,867	33,783	1,084	1.10
Bluefin tuna	12	12	0	0.00
Skipjack tuna	12,565	12,409	156	0.39
Other tunas	0	0	0	0.00
Total	161,399	156,461	4,938	5.07
Other PMUS				
Mahimahi	19,682	19,383	299	0.62
Moonfish	13,761	13,570	191	0.43
Wahoo	19,799	19,680	119	0.62
Oilfish	8,398	7,083	1,315	0.26
Pomfret	23,669	23,433	236	0.74
Total	85,309	83,149	2,160	2.68
Total PMUS	345,214	263,946	81,268	10.85
Non-PMUS Sharks	122	0	122	0.00
Total Non-PMUS	4,683	105	4,578	0.15
Total All Species	349,897	264,051	85,846	10.99

Table 2. For the period 1 July - 31 December, 2019, 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		Number of vessels active		
Time Period	1 July - 31 December, 2019	120		
Set Types	All sets	Number of trips (partial or completed) 380		
Fishing Area	Inside U.S. EEZ	Number of sets 2,326		
		Number of hooks set 6,413,929		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,977	1,934	43	0.31
Striped marlin	2,276	2,246	30	0.35
Shortbill spearfish	1,133	1,120	13	0.18
Swordfish	224	200	24	0.03
Other billfishes	257	254	3	0.04
Total	5,867	5,754	113	0.91
Shark PMUS				
Blue shark	15,821	0	15,821	2.47
Mako sharks	433	40	393	0.07
Thresher sharks	502	1	501	0.08
Oceanic whitetip shark	93	0	93	0.01
Silky shark	46	0	46	0.01
Total	16,895	41	16,854	2.63
Tuna PMUS				
Albacore	85	85	0	0.01
Bigeye tuna	16,051	15,537	514	2.50
Yellowfin tuna	5,740	5,607	133	0.89
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,852	2,799	53	0.44
Other tunas	0	0	0	0.00
Total	24,728	24,028	700	3.86
Other PMUS				
Mahimahi	2,991	2,956	35	0.47
Moonfish	719	718	1	0.11
Wahoo	3,547	3,539	8	0.55
Oilfish	1,330	1,074	256	0.21
Pomfret	4,760	4,704	56	0.74
Total	13,347	12,991	356	2.08
Total PMUS	60,837	42,814	18,023	9.49
Non-PMUS Sharks	41	0	41	0.01
Total Non-PMUS	378	11	367	0.06
Total All Species	61,215	42,825	18,390	9.54

Table 3. For the period 1 July - 31 December, 2019, 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, 2019	146		
Set Types	All sets	821		
Fishing Area	Outside U.S. EEZ	8,958		
		25,411,578		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,347	4,276	71	0.17
Striped marlin	7,250	6,853	397	0.29
Shortbill spearfish	5,104	4,865	239	0.20
Swordfish	1,402	1,333	69	0.06
Other billfishes	984	965	19	0.04
Total	19,087	18,292	795	0.75
Shark PMUS				
Blue shark	51,557	0	51,557	2.03
Mako sharks	2,232	226	2,006	0.09
Thresher sharks	2,591	23	2,568	0.10
Oceanic whitetip shark	179	0	179	0.01
Silky shark	98	0	98	0.00
Total	56,657	249	56,408	2.23
Tuna PMUS				
Albacore	2,638	2,627	11	0.10
Bigeye tuna	95,181	92,008	3,173	3.75
Yellowfin tuna	29,127	28,176	951	1.15
Bluefin tuna	12	12	0	0.00
Skipjack tuna	9,713	9,610	103	0.38
Other tunas	0	0	0	0.00
Total	136,671	132,433	4,238	5.38
Other PMUS				
Mahimahi	16,691	16,427	264	0.66
Moonfish	13,042	12,852	190	0.51
Wahoo	16,252	16,141	111	0.64
Oilfish	7,068	6,009	1,059	0.28
Pomfret	18,909	18,729	180	0.74
Total	71,962	70,158	1,804	2.83
Total PMUS	284,377	221,132	63,245	11.19
Non-PMUS Sharks	81	0	81	0.00
Total Non-PMUS	4,305	94	4,211	0.17
Total All Species	288,682	221,226	67,456	11.36

Table 4. For the period 1 July - 31 December, 2019, 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 July - 31 December, 2019
 Set Types Deep sets
 Fishing Area All Areas

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Silky shark	144	0	144	0.00
Total	73,552	290	73,262	2.31
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Albacore	2,723	2,712	11	0.09
Bigeye tuna	111,232	107,545	3,687	3.50
Yellowfin tuna	34,867	33,783	1,084	1.10
Bluefin tuna	12	12	0	0.00
Skipjack tuna	12,565	12,409	156	0.39
Other tunas	0	0	0	0.00
Total	161,399	156,461	4,938	5.07
Other PMUS				
Mahimahi	19,682	19,383	299	0.62
Moonfish	13,761	13,570	191	0.43
Wahoo	19,799	19,680	119	0.62
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