

**The Hawaii - California Pelagic Longline Vessels
Semi-annual Report
1 January-30 June, 2020¹**

Fisheries Research and Monitoring Division (FRMD)
Pacific Islands Fisheries Science Center (PIFSC), NOAA Fisheries
NOAA Inouye Regional Center
1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

This semi-annual report for the period 1 January-30 June, 2020, 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_PRELIM_HC, representing preliminary data received as of 24 August 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) 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.

PIFSC estimates that there are 3,040 logsheets that are not included in this report.

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-xx-xxx. Issued dd mmm yyyy

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 January - 30 June, 2020
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	874
Number of sets	10,061
Number of hooks set	22,123,256

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,939	2,910	29	0.13
Striped marlin	6,572	6,467	105	0.30
Shortbill spearfish	4,772	4,661	111	0.22
Swordfish	4,189	4,081	108	0.19
Other billfishes	140	133	7	0.01
Total	18,612	18,252	360	0.84
Shark PMUS				
Blue shark	34,994	0	34,994	1.58
Mako sharks	1,671	25	1,646	0.08
Thresher sharks	4,650	13	4,637	0.21
Oceanic whitetip shark	153	0	153	0.01
Silky shark	86	0	86	0.00
Total	41,554	38	41,516	1.88
Tuna PMUS				
Albacore	4,363	3,909	454	0.20
Bigeye tuna	106,152	103,306	2,846	4.80
Yellowfin tuna	18,198	17,487	711	0.82
Bluefin tuna	13	13	0	0.00
Skipjack tuna	7,389	7,323	66	0.33
Other tunas	0	0	0	0.00
Total	136,115	132,038	4,077	6.15
Other PMUS				
Mahimahi	5,280	5,236	44	0.24
Moonfish	6,216	6,118	98	0.28
Wahoo	9,380	9,330	50	0.42
Oilfish	5,741	4,146	1,595	0.26
Pomfret	13,611	13,483	128	0.62
Total	40,228	38,313	1,915	1.82
Total PMUS	236,509	188,641	47,868	10.69
Non-PMUS Sharks	77	0	77	0.00
Total Non-PMUS	3,079	63	3,016	0.14
Total All Species	239,588	188,704	50,884	10.83

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		Number of vessels active		
Time Period	1 January - 30 June, 2020	118		
Set Types	All sets	Number of trips (partial or completed) 323		
Fishing Area	Inside U.S. EEZ	Number of sets 2,127		
		Number of hooks set 4,229,702		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	680	678	2	0.16
Striped marlin	1,588	1,571	17	0.38
Shortbill spearfish	994	987	7	0.24
Swordfish	259	256	3	0.06
Other billfishes	28	26	2	0.01
Total	3,549	3,518	31	0.84
Shark PMUS				
Blue shark	6,333	0	6,333	1.50
Mako sharks	225	0	225	0.05
Thresher sharks	756	3	753	0.18
Oceanic whitetip shark	22	0	22	0.01
Silky shark	17	0	17	0.00
Total	7,353	3	7,350	1.74
Tuna PMUS				
Albacore	25	25	0	0.01
Bigeye tuna	17,897	17,576	321	4.23
Yellowfin tuna	1,863	1,847	16	0.44
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,357	1,355	2	0.32
Other tunas	0	0	0	0.00
Total	21,142	20,803	339	5.00
Other PMUS				
Mahimahi	678	666	12	0.16
Moonfish	499	499	0	0.12
Wahoo	1,021	1,017	4	0.24
Oilfish	1,056	830	226	0.25
Pomfret	2,703	2,668	35	0.64
Total	5,957	5,680	277	1.41
Total PMUS	38,001	30,004	7,997	8.98
Non-PMUS Sharks	20	0	20	0.00
Total Non-PMUS	517	4	513	0.12
Total All Species	38,518	30,008	8,510	9.11

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

Time Period 1 January - 30 June, 2020
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	144
Number of trips (partial or completed)	763
Number of sets	7,934
Number of hooks set	17,893,554

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,259	2,232	27	0.13
Striped marlin	4,984	4,896	88	0.28
Shortbill spearfish	3,778	3,674	104	0.21
Swordfish	3,930	3,825	105	0.22
Other billfishes	112	107	5	0.01
Total	15,063	14,734	329	0.84
Shark PMUS				
Blue shark	28,661	0	28,661	1.60
Mako sharks	1,446	25	1,421	0.08
Thresher sharks	3,894	10	3,884	0.22
Oceanic whitetip shark	131	0	131	0.01
Silky shark	69	0	69	0.00
Total	34,201	35	34,166	1.91
Tuna PMUS				
Albacore	4,338	3,884	454	0.24
Bigeye tuna	88,255	85,730	2,525	4.93
Yellowfin tuna	16,335	15,640	695	0.91
Bluefin tuna	13	13	0	0.00
Skipjack tuna	6,032	5,968	64	0.34
Other tunas	0	0	0	0.00
Total	114,973	111,235	3,738	6.43
Other PMUS				
Mahimahi	4,602	4,570	32	0.26
Moonfish	5,717	5,619	98	0.32
Wahoo	8,359	8,313	46	0.47
Oilfish	4,685	3,316	1,369	0.26
Pomfret	10,908	10,815	93	0.61
Total	34,271	32,633	1,638	1.92
Total PMUS	198,508	158,637	39,871	11.09
Non-PMUS Sharks	57	0	57	0.00
Total Non-PMUS	2,562	59	2,503	0.14
Total All Species	201,070	158,696	42,374	11.24

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

Time Period 1 January - 30 June, 2020
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	14
Number of trips (partial or completed)	20
Number of sets	255
Number of hooks set	275,866

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	6	5	1	0.02
Striped marlin	23	19	4	0.08
Shortbill spearfish	20	20	0	0.07
Swordfish	2,696	2,642	54	9.77
Other billfishes	0	0	0	0.00
Total	2,745	2,686	59	9.95
Shark PMUS				
Blue shark	2,320	0	2,320	8.41
Mako sharks	159	6	153	0.58
Thresher sharks	1	0	1	0.00
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Total	2,480	6	2,474	8.99
Tuna PMUS				
Albacore	301	252	49	1.09
Bigeye tuna	644	637	7	2.33
Yellowfin tuna	183	173	10	0.66
Bluefin tuna	2	2	0	0.01
Skipjack tuna	1	1	0	0.00
Other tunas	0	0	0	0.00
Total	1,131	1,065	66	4.10
Other PMUS				
Mahimahi	11	11	0	0.04
Moonfish	65	63	2	0.24
Wahoo	3	2	1	0.01
Oilfish	29	15	14	0.11
Pomfret	8	8	0	0.03
Total	116	99	17	0.42
Total PMUS	6,472	3,856	2,616	23.46
Non-PMUS Sharks	1	0	1	0.00
Total Non-PMUS	1	0	1	0.00
Total All Species	6,473	3,856	2,617	23.46

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		
Time Period	1 January - 30 June, 2020	143		
Set Types	Deep sets	Number of trips (partial or completed) 854		
Fishing Area	All Areas	Number of sets 9,806		
		Number of hooks set 21,847,390		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,933	2,905	28	0.13
Striped marlin	6,549	6,448	101	0.30
Shortbill spearfish	4,752	4,641	111	0.22
Swordfish	1,493	1,439	54	0.07
Other billfishes	140	133	7	0.01
Total	15,867	15,566	301	0.73
Shark PMUS				
Blue shark	32,674	0	32,674	1.50
Mako sharks	1,512	19	1,493	0.07
Thresher sharks	4,649	13	4,636	0.21
Oceanic whitetip shark	153	0	153	0.01
Silky shark	86	0	86	0.00
Total	39,074	32	39,042	1.79
Tuna PMUS				
Albacore	4,062	3,657	405	0.19
Bigeye tuna	105,508	102,669	2,839	4.83
Yellowfin tuna	18,015	17,314	701	0.82
Bluefin tuna	11	11	0	0.00
Skipjack tuna	7,388	7,322	66	0.34
Other tunas	0	0	0	0.00
Total	134,984	130,973	4,011	6.18
Other PMUS				
Mahimahi	5,269	5,225	44	0.24
Moonfish	6,151	6,055	96	0.28
Wahoo	9,377	9,328	49	0.43
Oilfish	5,712	4,131	1,581	0.26
Pomfret	13,603	13,475	128	0.62
Total	40,112	38,214	1,898	1.84
Total PMUS	230,037	184,785	45,252	10.53
Non-PMUS Sharks	76	0	76	0.00
Total Non-PMUS	3,078	63	3,015	0.14
Total All Species	233,115	184,848	48,267	10.67