

**The Hawaii - California Pelagic Longline Vessels
Semi-annual Report
1 July-31 December 2020**

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This semi-annual report for the 1 July-31 December 2020 period contains summary data of fishing effort and catch statistics as reported on longline log sheets for the Hawaii - California pelagic longline vessels. Data in this report originate from the PIFSC Information Management System (Oracle) table `LLDS_REPORT_STATS_PRELIM_HC`, representing RFMO data received as of 15 September 2021. 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 1000 hooks.

Catch and effort summaries in this report were based on RFMO standards and business rules. Longline catch and effort statistics in this report consists of U.S. longline fisheries in the North Pacific Ocean, attributions from CNMI, Guam and American Samoa in the North Pacific Ocean. Longline vessels operating from California were also included in this report to satisfy RFMO data reporting and NOAA confidentiality standards. Some vessels operating in California had Hawaii limited-entry permits.

References:

Pacific Islands Fisheries Science Center, 2021: Hawaii Longline Logbook,
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2021: California Pelagic Longline Fishery,
<https://www.fisheries.noaa.gov/inport/item/12906>

Table 1. Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and all fishing categories (set types), including 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, 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 2020	143		
Set Types	All sets	848		
Fishing Area	All Areas	10,738		
		30,510,027		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,165	4,139	26	0.14
Striped marlin	6,203	6,140	63	0.20
Shortbill spearfish	4,414	4,273	141	0.14
Swordfish	3,061	2,903	158	0.10
Other billfishes	301	298	3	0.01
Total	18,144	17,753	391	0.59
Shark PMUS				
Blue shark	64,717	1	64,716	2.12
Mako sharks	3,329	173	3,156	0.11
Thresher sharks	2,737	16	2,721	0.09
Oceanic whitetip shark	282	0	282	0.01
Silky shark	138	0	138	0.00
Total	71,203	190	71,013	2.33
Tuna PMUS				
Albacore	1,739	1,733	6	0.06
Bigeye tuna	99,546	97,731	1,815	3.26
Yellowfin tuna	32,922	32,459	463	1.08
Bluefin tuna	2	2	0	0.00
Skipjack tuna	9,965	9,878	87	0.33
Other tunas	0	0	0	0.00
Total	144,174	141,803	2,371	4.73
Other PMUS				
Mahimahi	15,657	15,512	145	0.51
Moonfish	8,586	8,239	347	0.28
Wahoo	10,976	10,916	60	0.36
Oilfish	4,723	3,406	1,317	0.15
Pomfret	17,763	17,575	188	0.58
Total	57,705	55,648	2,057	1.89
Total PMUS	291,226	215,394	75,832	9.55
Non-PMUS Sharks	120	1	119	0.00
Total Non-PMUS	3,683	90	3,593	0.12
Total All Species	294,909	215,484	79,425	9.67

Table 2. Hawaii and California-based pelagic longline vessels semi-annual statistics for fishing within the U.S. EEZ (main Hawaiian Islands, Northwestern Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including 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, 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 2020
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	127
Number of trips (partial or completed)	467
Number of sets	3,091
Number of hooks set	8,679,080

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,358	1,346	12	0.16
Striped marlin	1,581	1,575	6	0.18
Shortbill spearfish	1,345	1,340	5	0.15
Swordfish	244	228	16	0.03
Other billfishes	62	62	0	0.01
Total	4,590	4,551	39	0.53
Shark PMUS				
Blue shark	18,877	0	18,877	2.18
Mako sharks	551	4	547	0.06
Thresher sharks	595	2	593	0.07
Oceanic whitetip shark	67	0	67	0.01
Silky shark	54	0	54	0.01
Total	20,144	6	20,138	2.32
Tuna PMUS				
Albacore	37	37	0	0.00
Bigeye tuna	23,871	23,480	391	2.75
Yellowfin tuna	11,012	10,860	152	1.27
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,197	2,188	9	0.25
Other tunas	0	0	0	0.00
Total	37,117	36,565	552	4.28
Other PMUS				
Mahimahi	3,767	3,747	20	0.43
Moonfish	528	528	0	0.06
Wahoo	3,052	3,034	18	0.35
Oilfish	888	748	140	0.10
Pomfret	5,523	5,470	53	0.64
Total	13,758	13,527	231	1.59
Total PMUS	75,609	54,649	20,960	8.71
Non-PMUS Sharks	37	1	36	0.00
Total Non-PMUS	440	34	406	0.05
Total All Species	76,049	54,683	21,366	8.76

Table 3. Hawaii and California-based pelagic longline vessels 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). 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, 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 2020
 Set Types All sets
 Fishing Area Outside U.S. EEZ

Number of vessels active	142
Number of trips (partial or completed)	687
Number of sets	7,645
Number of hooks set	21,829,224

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,807	2,793	14	0.13
Striped marlin	4,622	4,565	57	0.21
Shortbill spearfish	3,069	2,933	136	0.14
Swordfish	2,805	2,663	142	0.13
Other billfishes	239	236	3	0.01
Total	13,542	13,190	352	0.62
Shark PMUS				
Blue shark	45,812	1	45,811	2.10
Mako sharks	2,771	162	2,609	0.13
Thresher sharks	2,142	14	2,128	0.10
Oceanic whitetip shark	215	0	215	0.01
Silky shark	84	0	84	0.00
Total	51,024	177	50,847	2.34
Tuna PMUS				
Albacore	1,702	1,696	6	0.08
Bigeye tuna	75,674	74,250	1,424	3.47
Yellowfin tuna	21,910	21,599	311	1.00
Bluefin tuna	2	2	0	0.00
Skipjack tuna	7,768	7,690	78	0.36
Other tunas	0	0	0	0.00
Total	107,056	105,237	1,819	4.90
Other PMUS				
Mahimahi	11,887	11,762	125	0.54
Moonfish	8,056	7,709	347	0.37
Wahoo	7,924	7,882	42	0.36
Oilfish	3,835	2,658	1,177	0.18
Pomfret	12,240	12,105	135	0.56
Total	43,942	42,116	1,826	2.01
Total PMUS	215,564	160,720	54,844	9.88
Non-PMUS Sharks	83	0	83	0.00
Total Non-PMUS	3,243	56	3,187	0.15
Total All Species	218,807	160,776	58,031	10.02

Table 4. Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and with shallow set type, including 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, 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 2020
 Set Types Shallow sets
 Fishing Area All Areas

Number of vessels active	7
Number of trips (partial or completed)	17
Number of sets	205
Number of hooks set	259,953

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1	0	1	0.00
Striped marlin	10	6	4	0.04
Shortbill spearfish	4	0	4	0.02
Swordfish	1,779	1,709	70	6.84
Other billfishes	0	0	0	0.00
Total	1,794	1,715	79	6.90
Shark PMUS				
Blue shark	3,401	0	3,401	13.08
Mako sharks	762	159	603	2.93
Thresher sharks	40	8	32	0.15
Oceanic whitetip shark	1	0	1	0.00
Silky shark	0	0	0	0.00
Total	4,204	167	4,037	16.17
Tuna PMUS				
Albacore	98	97	1	0.38
Bigeye tuna	494	445	49	1.90
Yellowfin tuna	267	243	24	1.03
Bluefin tuna	2	2	0	0.01
Skipjack tuna	6	6	0	0.02
Other tunas	0	0	0	0.00
Total	867	793	74	3.34
Other PMUS				
Mahimahi	218	209	9	0.84
Moonfish	232	210	22	0.89
Wahoo	5	5	0	0.02
Oilfish	187	102	85	0.72
Pomfret	4	4	0	0.02
Total	646	530	116	2.49
Total PMUS	7,511	3,205	4,306	28.89
Non-PMUS Sharks	1	0	1	0.00
Total Non-PMUS	5	2	3	0.02
Total All Species	7,516	3,207	4,309	28.91

Table 5. Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and with deep set type, including 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, 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 2020
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	141
Number of trips (partial or completed)	831
Number of sets	10,533
Number of hooks set	30,250,074

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4,164	4,139	25	0.14
Striped marlin	6,193	6,134	59	0.20
Shortbill spearfish	4,410	4,273	137	0.15
Swordfish	1,282	1,194	88	0.04
Other billfishes	301	298	3	0.01
Total	16,350	16,038	312	0.54
Shark PMUS				
Blue shark	61,316	1	61,315	2.03
Mako sharks	2,567	14	2,553	0.08
Thresher sharks	2,697	8	2,689	0.09
Oceanic whitetip shark	281	0	281	0.01
Silky shark	138	0	138	0.00
Total	66,999	23	66,976	2.21
Tuna PMUS				
Albacore	1,641	1,636	5	0.05
Bigeye tuna	99,052	97,286	1,766	3.27
Yellowfin tuna	32,655	32,216	439	1.08
Bluefin tuna	0	0	0	0.00
Skipjack tuna	9,959	9,872	87	0.33
Other tunas	0	0	0	0.00
Total	143,307	141,010	2,297	4.74
Other PMUS				
Mahimahi	15,439	15,303	136	0.51
Moonfish	8,354	8,029	325	0.28
Wahoo	10,971	10,911	60	0.36
Oilfish	4,536	3,304	1,232	0.15
Pomfret	17,759	17,571	188	0.59
Total	57,059	55,118	1,941	1.89
Total PMUS	283,715	212,189	71,526	9.38
Non-PMUS Sharks	119	1	118	0.00
Total Non-PMUS	3,678	88	3,590	0.12
Total All Species	287,393	212,277	75,116	9.50