

**The Hawaii - California Pelagic Longline Vessels
Semi-annual Report
1 January-30 June 2023**

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 1 January-30 June 2023 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 preliminary data received as of 24 August 2023. 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, 2023: Hawaii Longline Logbook,
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2023: 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 1000 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, 2023
Set Types All sets
Fishing Area All Areas

Number of vessels active	147
Number of trips (partial or completed)	885
Number of sets	11,813
Number of hooks set	33,790,360

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,342	3,315	27	0.10
Striped marlin	4,187	4,162	25	0.12
Shortbill spearfish	8,288	8,207	81	0.25
Swordfish	10,120	9,847	273	0.30
Other billfishes	297	293	4	0.01
Total	26,234	25,824	410	0.78
Shark PMUS				
Blue shark	40,188	0	40,188	1.19
Mako sharks	1,434	7	1,427	0.04
Thresher sharks	3,860	18	3,842	0.11
Oceanic whitetip shark	266	0	266	0.01
Silky shark	136	0	136	0.00
Total	45,884	25	45,859	1.36
Tuna PMUS				
Albacore	12,524	12,213	311	0.37
Bigeye tuna	89,157	88,396	761	2.64
Yellowfin tuna	33,749	33,233	516	1.00
Bluefin tuna	13	11	2	0.00
Skipjack tuna	4,774	4,718	56	0.14
Other tunas	2	0	2	0.00
Total	140,219	138,571	1,648	4.15
Other PMUS				
Mahimahi	13,413	13,332	81	0.40
Moonfish	2,198	2,182	16	0.07
Wahoo	12,288	12,223	65	0.36
Oilfish	5,012	3,656	1,356	0.15
Pomfret	11,667	11,591	76	0.35
Total	44,578	42,984	1,594	1.32
Total PMUS	256,915	207,404	49,511	7.60
Non-PMUS Sharks	193	0	193	0.01
Total Non-PMUS	3,619	42	3,577	0.11
Total All Species	260,534	207,446	53,088	7.71

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 1000 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, 2023	Number of vessels active		135
Set Types	All sets	Number of trips (partial or completed)		452
Fishing Area	Inside U.S. EEZ	Number of sets		2,874
		Number of hooks set		8,379,042
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	779	778	1	0.09
Striped marlin	1,559	1,555	4	0.19
Shortbill spearfish	2,674	2,662	12	0.32
Swordfish	506	498	8	0.06
Other billfishes	62	62	0	0.01
Total	5,580	5,555	25	0.67
Shark PMUS				
Blue shark	9,780	0	9,780	1.17
Mako sharks	199	1	198	0.02
Thresher sharks	713	6	707	0.09
Oceanic whitetip shark	91	0	91	0.01
Silky shark	39	0	39	0.00
Total	10,822	7	10,815	1.29
Tuna PMUS				
Albacore	396	396	0	0.05
Bigeye tuna	17,218	17,089	129	2.05
Yellowfin tuna	7,105	7,015	90	0.85
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,406	1,381	25	0.17
Other tunas	2	0	2	0.00
Total	26,127	25,881	246	3.12
Other PMUS				
Mahimahi	1,247	1,245	2	0.15
Moonfish	196	195	1	0.02
Wahoo	2,438	2,431	7	0.29
Oilfish	1,404	1,104	300	0.17
Pomfret	1,809	1,791	18	0.22
Total	7,094	6,766	328	0.85
Total PMUS	49,623	38,209	11,414	5.92
Non-PMUS Sharks	66	0	66	0.01
Total Non-PMUS	1,382	22	1,360	0.16
Total All Species	51,005	38,231	12,774	6.09

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 1000 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		147
Time Period	1 January-30 June, 2023				Number of trips (partial or completed)		796
Set Types	All sets				Number of sets		8,939
Fishing Area	Outside U.S. EEZ				Number of hooks set		25,411,318

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,563	2,537	26	0.10
Striped marlin	2,628	2,607	21	0.10
Shortbill spearfish	5,614	5,545	69	0.22
Swordfish	9,614	9,349	265	0.38
Other billfishes	235	231	4	0.01
Total	20,654	20,269	385	0.81
Shark PMUS				
Blue shark	30,408	0	30,408	1.20
Mako sharks	1,235	6	1,229	0.05
Thresher sharks	3,147	12	3,135	0.12
Oceanic whitetip shark	175	0	175	0.01
Silky shark	97	0	97	0.00
Total	35,062	18	35,044	1.38
Tuna PMUS				
Albacore	12,128	11,817	311	0.48
Bigeye tuna	71,939	71,307	632	2.83
Yellowfin tuna	26,644	26,218	426	1.05
Bluefin tuna	13	11	2	0.00
Skipjack tuna	3,368	3,337	31	0.13
Other tunas	0	0	0	0.00
Total	114,092	112,690	1,402	4.49
Other PMUS				
Mahimahi	12,166	12,087	79	0.48
Moonfish	2,002	1,987	15	0.08
Wahoo	9,850	9,792	58	0.39
Oilfish	3,608	2,552	1,056	0.14
Pomfret	9,858	9,800	58	0.39
Total	37,484	36,218	1,266	1.48
Total PMUS	207,292	169,195	38,097	8.16
Non-PMUS Sharks	127	0	127	0.00
Total Non-PMUS	2,237	20	2,217	0.09
Total All Species	209,529	169,215	40,314	8.25

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 1000 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, 2023
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	21
Number of trips (partial or completed)	59
Number of sets	754
Number of hooks set	936,365

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	20	20	0	0.02
Striped marlin	161	159	2	0.17
Shortbill spearfish	33	30	3	0.04
Swordfish	7,822	7,567	255	8.35
Other billfishes	6	6	0	0.01
Total	8,042	7,782	260	8.59
Shark PMUS				
Blue shark	5,560	0	5,560	5.94
Mako sharks	634	0	634	0.68
Thresher sharks	29	0	29	0.03
Oceanic whitetip shark	6	0	6	0.01
Silky shark	0	0	0	0.00
Total	6,229	0	6,229	6.65
Tuna PMUS				
Albacore	641	630	11	0.68
Bigeye tuna	650	602	48	0.69
Yellowfin tuna	851	826	25	0.91
Bluefin tuna	8	8	0	0.01
Skipjack tuna	16	16	0	0.02
Other tunas	0	0	0	0.00
Total	2,166	2,082	84	2.31
Other PMUS				
Mahimahi	2,350	2,339	11	2.51
Moonfish	9	9	0	0.01
Wahoo	52	36	16	0.06
Oilfish	173	32	141	0.18
Pomfret	6	6	0	0.01
Total	2,590	2,422	168	2.77
Total PMUS	19,027	12,286	6,741	20.32
Non-PMUS Sharks	11	0	11	0.01
Total Non-PMUS	78	2	76	0.08
Total All Species	19,105	12,288	6,817	20.40

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 1000 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, 2023
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	147
Number of trips (partial or completed)	826
Number of sets	11,059
Number of hooks set	32,853,995

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,322	3,295	27	0.10
Striped marlin	4,026	4,003	23	0.12
Shortbill spearfish	8,255	8,177	78	0.25
Swordfish	2,298	2,280	18	0.07
Other billfishes	291	287	4	0.01
Total	18,192	18,042	150	0.55
Shark PMUS				
Blue shark	34,628	0	34,628	1.05
Mako sharks	800	7	793	0.02
Thresher sharks	3,831	18	3,813	0.12
Oceanic whitetip shark	260	0	260	0.01
Silky shark	136	0	136	0.00
Total	39,655	25	39,630	1.21
Tuna PMUS				
Albacore	11,883	11,583	300	0.36
Bigeye tuna	88,507	87,794	713	2.69
Yellowfin tuna	32,898	32,407	491	1.00
Bluefin tuna	5	3	2	0.00
Skipjack tuna	4,758	4,702	56	0.14
Other tunas	2	0	2	0.00
Total	138,053	136,489	1,564	4.20
Other PMUS				
Mahimahi	11,063	10,993	70	0.34
Moonfish	2,189	2,173	16	0.07
Wahoo	12,236	12,187	49	0.37
Oilfish	4,839	3,624	1,215	0.15
Pomfret	11,661	11,585	76	0.35
Total	41,988	40,562	1,426	1.28
Total PMUS	237,888	195,118	42,770	7.24
Non-PMUS Sharks	182	0	182	0.01
Total Non-PMUS	3,541	40	3,501	0.11
Total All Species	241,429	195,158	46,271	7.35