

**The Hawaii - California Pelagic Longline Vessels
Semi-annual Report
1 January–30 June 2023¹**

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

The Hawaii - California pelagic longline logbook report for the first half of 2023 (1 January–30 June; PIFSC, 2024) contains summary data of fishing effort and catch statistics as reported from electronic or paper longline log sheets submitted by Hawaii- and California-based pelagic longline fishers. Catch and effort statistics are based on date of longline haul. Vessel and trip statistics that cross over two summary periods (i.e., years, semi-annual, or quarters) are counted in both summary periods. For example, a trip total **encompasses** “partial and complete” trips within a time period. These statistics are not additive since partial trips are counted in the time period when the trip began and again in the period when the trip ended (i.e., sum of four quarters or two semi-annual reports is not the total for the year).

Catch and effort summaries in this report were based on Regional Fishery Management Organization (RFMO) reporting standards and business rules. Longline catch and effort statistics in this report consist 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. Tables 1-5 show fishery statistics for the stated time period, area, and shallow sets (<15 hooks between floats) or deep sets (≥ 15 hooks between floats). The longline effort includes number of vessels, trips, sets, and hooks set. Fish species were organized into pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other PMUS. Each table includes the number of fish caught, kept, and released. The catch per unit effort (CPUE) is measured as the number of fish caught per 1000 hooks.

References:

Pacific Islands Fisheries Science Center. (2024). *Hawaii Longline Logbook*
<https://www.fisheries.noaa.gov/inport/item/2721>
Southwest Fisheries Science Center. (2024). *California Pelagic Longline Fishery*
<https://www.fisheries.noaa.gov/inport/item/12906>

¹Data reported by fishers in electronic and paper logs were queried for the first half of 2023 (1 January–30 June) from the Pacific Islands Fishery Science Center Information Management System oracle database from table LLDS_REPORT_STATS_PRELIM_HC.

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).

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)	887
Number of sets	11,823
Number of hooks set	33,868,810

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,344	3,317	27	0.10
Striped marlin	4,173	4,148	25	0.12
Shortbill spearfish	8,295	8,214	81	0.24
Swordfish	10,129	9,856	273	0.30
Other billfishes	297	293	4	0.01
Total	26,238	25,828	410	0.77
Shark PMUS				
Blue shark	40,273	0	40,273	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	45,969	25	45,944	1.36
Tuna PMUS				
Albacore	12,553	12,232	321	0.37
Bigeye tuna	89,797	89,037	760	2.65
Yellowfin tuna	33,978	33,462	516	1.00
Bluefin tuna	13	11	2	0.00
Skipjack tuna	4,775	4,719	56	0.14
Other tunas	2	0	2	0.00
Total	141,118	139,461	1,657	4.17
Other PMUS				
Mahimahi	13,427	13,342	85	0.40
Moonfish	2,204	2,188	16	0.07
Wahoo	12,306	12,241	65	0.36
Oilfish	5,012	3,656	1,356	0.15
Pomfret	11,690	11,614	76	0.35
Total	44,639	43,041	1,598	1.32
Total PMUS	257,964	208,355	49,609	7.62
Non-PMUS Sharks	193	0	193	0.01
Total Non-PMUS	3,619	42	3,577	0.11
Total All Species	261,583	208,397	53,186	7.72

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).

Report Coverage

Time Period 1 January–30 June, 2023
Set Types All sets
Fishing Area Inside U.S. EEZ

Number of vessels active	135
Number of trips (partial or completed)	453
Number of sets	2,875
Number of hooks set	8,384,952

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	2,675	2,663	12	0.32
Swordfish	507	499	8	0.06
Other billfishes	62	62	0	0.01
Total	5,582	5,557	25	0.67
Shark PMUS				
Blue shark	9,787	0	9,787	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	10,829	7	10,822	1.29
Tuna PMUS				
Albacore	396	396	0	0.05
Bigeye tuna	17,221	17,092	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	26,130	25,884	246	3.12
Other PMUS				
Mahimahi	1,247	1,245	2	0.15
Moonfish	196	195	1	0.02
Wahoo	2,439	2,432	7	0.29
Oilfish	1,404	1,104	300	0.17
Pomfret	1,809	1,791	18	0.22
Total	7,095	6,767	328	0.85
Total PMUS	49,636	38,215	11,421	5.92
Non-PMUS Sharks	66	0	66	0.01
Total Non-PMUS	1,382	22	1,360	0.16
Total All Species	51,018	38,237	12,781	6.08

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).

Report Coverage				
Time Period	1 January–30 June, 2023	Number of vessels active		147
Set Types	All sets	Number of trips (partial or completed)		797
Fishing Area	Outside U.S. EEZ	Number of sets		8,948
		Number of hooks set		25,483,858
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,565	2,539	26	0.10
Striped marlin	2,614	2,593	21	0.10
Shortbill spearfish	5,620	5,551	69	0.22
Swordfish	9,622	9,357	265	0.38
Other billfishes	235	231	4	0.01
Total	20,656	20,271	385	0.81
Shark PMUS				
Blue shark	30,486	0	30,486	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	35,140	18	35,122	1.38
Tuna PMUS				
Albacore	12,157	11,836	321	0.48
Bigeye tuna	72,576	71,945	631	2.85
Yellowfin tuna	26,873	26,447	426	1.05
Bluefin tuna	13	11	2	0.00
Skipjack tuna	3,369	3,338	31	0.13
Other tunas	0	0	0	0.00
Total	114,988	113,577	1,411	4.51
Other PMUS				
Mahimahi	12,180	12,097	83	0.48
Moonfish	2,008	1,993	15	0.08
Wahoo	9,867	9,809	58	0.39
Oilfish	3,608	2,552	1,056	0.14
Pomfret	9,881	9,823	58	0.39
Total	37,544	36,274	1,270	1.47
Total PMUS	208,328	170,140	38,188	8.17
Non-PMUS Sharks	127	0	127	0.00
Total Non-PMUS	2,237	20	2,217	0.09
Total All Species	210,565	170,160	40,405	8.26

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).

Report Coverage					Number of vessels active		21
Time Period	1 January–30 June, 2023				Number of trips (partial or completed)		59
Set Types	Shallow sets				Number of sets		754
Fishing Area	All Areas				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).

Report Coverage				
Time Period	1 January–30 June, 2023	Number of vessels active		147
Set Types	Deep sets	Number of trips (partial or completed)		828
Fishing Area	All Areas	Number of sets		11,069
		Number of hooks set		32,932,445
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,324	3,297	27	0.10
Striped marlin	4,012	3,989	23	0.12
Shortbill spearfish	8,262	8,184	78	0.25
Swordfish	2,307	2,289	18	0.07
Other billfishes	291	287	4	0.01
Total	18,196	18,046	150	0.55
Shark PMUS				
Blue shark	34,713	0	34,713	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	39,740	25	39,715	1.21
Tuna PMUS				
Albacore	11,912	11,602	310	0.36
Bigeye tuna	89,147	88,435	712	2.71
Yellowfin tuna	33,127	32,636	491	1.01
Bluefin tuna	5	3	2	0.00
Skipjack tuna	4,759	4,703	56	0.14
Other tunas	2	0	2	0.00
Total	138,952	137,379	1,573	4.22
Other PMUS				
Mahimahi	11,077	11,003	74	0.34
Moonfish	2,195	2,179	16	0.07
Wahoo	12,254	12,205	49	0.37
Oilfish	4,839	3,624	1,215	0.15
Pomfret	11,684	11,608	76	0.35
Total	42,049	40,619	1,430	1.28
Total PMUS	238,937	196,069	42,868	7.26
Non-PMUS Sharks	182	0	182	0.01
Total Non-PMUS	3,541	40	3,501	0.11
Total All Species	242,478	196,109	46,369	7.36