

**The Hawaii - California Pelagic Longline Vessels
Quarterly Report
1 April–30 June 2023¹**

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The Hawaii - California pelagic longline logbook report for the second quarter of 2023 (1 April–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 second quarter of 2023 (1 April–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 quarterly 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		Number of vessels active		
Time Period	1 April–30 June 2023	145		
Set Types	All sets	Number of trips (partial or completed) 482		
Fishing Area	All Areas	Number of sets 6,026		
		Number of hooks set 17,538,833		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,844	1,822	22	0.11
Striped marlin	1,961	1,952	9	0.11
Shortbill spearfish	3,856	3,789	67	0.22
Swordfish	3,481	3,407	74	0.20
Other billfishes	203	200	3	0.01
Total	11,345	11,170	175	0.65
Shark PMUS				
Blue shark	20,223	0	20,223	1.15
Mako sharks	519	5	514	0.03
Thresher sharks	1,524	12	1,512	0.09
Oceanic whitetip shark	189	0	189	0.01
Silky shark	91	0	91	0.01
Total	22,546	17	22,529	1.29
Tuna PMUS				
Albacore	7,121	6,922	199	0.41
Bigeye tuna	46,174	45,750	424	2.63
Yellowfin tuna	13,391	13,207	184	0.76
Bluefin tuna	5	5	0	0.00
Skipjack tuna	2,885	2,843	42	0.16
Other tunas	0	0	0	0.00
Total	69,576	68,727	849	3.97
Other PMUS				
Mahimahi	7,431	7,365	66	0.42
Moonfish	1,267	1,264	3	0.07
Wahoo	8,572	8,533	39	0.49
Oilfish	2,454	1,698	756	0.14
Pomfret	5,551	5,521	30	0.32
Total	25,275	24,381	894	1.44
Total PMUS	128,742	104,295	24,447	7.34
Non-PMUS Sharks	74	0	74	0.00
Total Non-PMUS	2,016	33	1,983	0.11
Total All Species	130,758	104,328	26,430	7.46

Table 2. Hawaii- and California-based pelagic longline vessels quarterly 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 April–30 June 2023
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	119
Number of trips (partial or completed)	231
Number of sets	1,331
Number of hooks set	3,883,083

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	344	343	1	0.09
Striped marlin	485	484	1	0.12
Shortbill spearfish	1,036	1,027	9	0.27
Swordfish	372	368	4	0.10
Other billfishes	27	27	0	0.01
Total	2,264	2,249	15	0.58
Shark PMUS				
Blue shark	4,907	0	4,907	1.26
Mako sharks	102	1	101	0.03
Thresher sharks	345	6	339	0.09
Oceanic whitetip shark	58	0	58	0.01
Silky shark	26	0	26	0.01
Total	5,438	7	5,431	1.40
Tuna PMUS				
Albacore	57	57	0	0.01
Bigeye tuna	7,645	7,588	57	1.97
Yellowfin tuna	2,083	2,065	18	0.54
Bluefin tuna	0	0	0	0.00
Skipjack tuna	865	850	15	0.22
Other tunas	0	0	0	0.00
Total	10,650	10,560	90	2.74
Other PMUS				
Mahimahi	414	413	1	0.11
Moonfish	107	106	1	0.03
Wahoo	1,902	1,895	7	0.49
Oilfish	592	481	111	0.15
Pomfret	807	800	7	0.21
Total	3,822	3,695	127	0.98
Total PMUS	22,174	16,511	5,663	5.71
Non-PMUS Sharks	23	0	23	0.01
Total Non-PMUS	886	16	870	0.23
Total All Species	23,060	16,527	6,533	5.94

Table 3. Hawaii- and California-based pelagic longline vessels quarterly 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 April–30 June 2023			
Set Types	All sets			
Fishing Area	Outside U.S. EEZ			
		Number of vessels active	145	
		Number of trips (partial or completed)	436	
		Number of sets	4,695	
		Number of hooks set	13,655,750	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,500	1,479	21	0.11
Striped marlin	1,476	1,468	8	0.11
Shortbill spearfish	2,820	2,762	58	0.21
Swordfish	3,109	3,039	70	0.23
Other billfishes	176	173	3	0.01
Total	9,081	8,921	160	0.66
Shark PMUS				
Blue shark	15,316	0	15,316	1.12
Mako sharks	417	4	413	0.03
Thresher sharks	1,179	6	1,173	0.09
Oceanic whitetip shark	131	0	131	0.01
Silky shark	65	0	65	0.00
Total	17,108	10	17,098	1.25
Tuna PMUS				
Albacore	7,064	6,865	199	0.52
Bigeye tuna	38,529	38,162	367	2.82
Yellowfin tuna	11,308	11,142	166	0.83
Bluefin tuna	5	5	0	0.00
Skipjack tuna	2,020	1,993	27	0.15
Other tunas	0	0	0	0.00
Total	58,926	58,167	759	4.32
Other PMUS				
Mahimahi	7,017	6,952	65	0.51
Moonfish	1,160	1,158	2	0.08
Wahoo	6,670	6,638	32	0.49
Oilfish	1,862	1,217	645	0.14
Pomfret	4,744	4,721	23	0.35
Total	21,453	20,686	767	1.57
Total PMUS	106,568	87,784	18,784	7.80
Non-PMUS Sharks	51	0	51	0.00
Total Non-PMUS	1,130	17	1,113	0.08
Total All Species	107,698	87,801	19,897	7.89

Table 4. Hawaii- and California-based pelagic longline vessels quarterly 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				
Time Period	1 April–30 June 2023	Number of vessels active	14	
Set Types	Shallow sets	Number of trips (partial or completed)	20	
Fishing Area	All Areas	Number of sets	245	
		Number of hooks set	312,014	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	16	16	0	0.05
Striped marlin	133	131	2	0.43
Shortbill spearfish	29	26	3	0.09
Swordfish	1,751	1,686	65	5.61
Other billfishes	6	6	0	0.02
Total	1,935	1,865	70	6.20
Shark PMUS				
Blue shark	1,795	0	1,795	5.75
Mako sharks	100	0	100	0.32
Thresher sharks	18	0	18	0.06
Oceanic whitetip shark	6	0	6	0.02
Silky shark	0	0	0	0.00
Total	1,919	0	1,919	6.15
Tuna PMUS				
Albacore	1	1	0	0.00
Bigeye tuna	108	108	0	0.35
Yellowfin tuna	298	283	15	0.96
Bluefin tuna	4	4	0	0.01
Skipjack tuna	11	11	0	0.04
Other tunas	0	0	0	0.00
Total	422	407	15	1.35
Other PMUS				
Mahimahi	2,274	2,263	11	7.29
Moonfish	5	5	0	0.02
Wahoo	51	35	16	0.16
Oilfish	132	26	106	0.42
Pomfret	2	2	0	0.01
Total	2,464	2,331	133	7.90
Total PMUS	6,740	4,603	2,137	21.60
Non-PMUS Sharks	10	0	10	0.03
Total Non-PMUS	75	2	73	0.24
Total All Species	6,815	4,605	2,210	21.84

Table 5. Hawaii- and California-based pelagic longline vessels quarterly 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		Number of vessels active		
Time Period	1 April–30 June 2023	144		
Set Types	Deep sets	Number of trips (partial or completed) 462		
Fishing Area	All Areas	Number of sets 5,781		
		Number of hooks set 17,226,819		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,828	1,806	22	0.11
Striped marlin	1,828	1,821	7	0.11
Shortbill spearfish	3,827	3,763	64	0.22
Swordfish	1,730	1,721	9	0.10
Other billfishes	197	194	3	0.01
Total	9,410	9,305	105	0.55
Shark PMUS				
Blue shark	18,428	0	18,428	1.07
Mako sharks	419	5	414	0.02
Thresher sharks	1,506	12	1,494	0.09
Oceanic whitetip shark	183	0	183	0.01
Silky shark	91	0	91	0.01
Total	20,627	17	20,610	1.20
Tuna PMUS				
Albacore	7,120	6,921	199	0.41
Bigeye tuna	46,066	45,642	424	2.67
Yellowfin tuna	13,093	12,924	169	0.76
Bluefin tuna	1	1	0	0.00
Skipjack tuna	2,874	2,832	42	0.17
Other tunas	0	0	0	0.00
Total	69,154	68,320	834	4.01
Other PMUS				
Mahimahi	5,157	5,102	55	0.30
Moonfish	1,262	1,259	3	0.07
Wahoo	8,521	8,498	23	0.49
Oilfish	2,322	1,672	650	0.13
Pomfret	5,549	5,519	30	0.32
Total	22,811	22,050	761	1.32
Total PMUS	122,002	99,692	22,310	7.08
Non-PMUS Sharks	64	0	64	0.00
Total Non-PMUS	1,941	31	1,910	0.11
Total All Species	123,943	99,723	24,220	7.19