

**The Hawaii - California Pelagic Longline Vessels
Quarterly Report
1 July-30 September 2022¹**

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The Hawaii - California pelagic longline logbook report for the third quarter of 2022 (1 July–30 September; PIFSC 2023) 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 trips statistics can cross over two summary periods (i.e., years, semi-annual or quarters) and are counted in both summary periods. For example, a trip total is for "partial and complete" trips within a time period and these statistics are not additive since partial trips are counted in the present time period when the trip began and again in the following 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 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.

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, 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>

¹Data reported by fishers in electronic and paper logs were queried for the third quarter of 2022 (1 July–30 September) from the Pacific Islands Fishery Science Center Information Management System oracle database from table LLDS_REPORT_STATS_RFMO_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). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 July-30 September 2022
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	135
Number of trips (partial or completed)	418
Number of sets	4,924
Number of hooks set	14,819,691

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,795	1,789	6	0.12
Striped marlin	3,049	3,019	30	0.21
Shortbill spearfish	1,970	1,918	52	0.13
Swordfish	1,374	1,307	67	0.09
Other billfishes	151	150	1	0.01
Total	8,339	8,183	156	0.56
Shark PMUS				
Blue shark	25,772	0	25,772	1.74
Mako sharks	389	1	388	0.03
Thresher sharks	1,127	2	1,125	0.08
Oceanic whitetip shark	143	0	143	0.01
Silky shark	72	0	72	0.00
Total	27,503	3	27,500	1.86
Tuna PMUS				
Albacore	1,352	1,340	12	0.09
Bigeye tuna	32,452	32,221	231	2.19
Yellowfin tuna	17,576	17,416	160	1.19
Bluefin tuna	2	2	0	0.00
Skipjack tuna	2,327	2,293	34	0.16
Other tunas	0	0	0	0.00
Total	53,709	53,272	437	3.62
Other PMUS				
Mahimahi	16,078	15,756	322	1.08
Moonfish	1,315	1,315	0	0.09
Wahoo	4,693	4,655	38	0.32
Oilfish	1,772	1,383	389	0.12
Pomfret	8,790	8,701	89	0.59
Total	32,648	31,810	838	2.20
Total PMUS	122,199	93,268	28,931	8.25
Non-PMUS Sharks	48	0	48	0.00
Total Non-PMUS	1,758	10	1,748	0.12
Total All Species	123,957	93,278	30,679	8.36

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). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 July-30 September 2022
 Set Types All sets
 Fishing Area Inside U.S. EEZ

Number of vessels active	91
Number of trips (partial or completed)	169
Number of sets	897
Number of hooks set	2,727,571

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	224	224	0	0.08
Striped marlin	318	317	1	0.12
Shortbill spearfish	255	254	1	0.09
Swordfish	112	98	14	0.04
Other billfishes	20	20	0	0.01
Total	929	913	16	0.34
Shark PMUS				
Blue shark	4,191	0	4,191	1.54
Mako sharks	60	0	60	0.02
Thresher sharks	102	1	101	0.04
Oceanic whitetip shark	25	0	25	0.01
Silky shark	17	0	17	0.01
Total	4,395	1	4,394	1.61
Tuna PMUS				
Albacore	110	102	8	0.04
Bigeye tuna	3,099	3,089	10	1.14
Yellowfin tuna	4,112	4,063	49	1.51
Bluefin tuna	0	0	0	0.00
Skipjack tuna	466	452	14	0.17
Other tunas	0	0	0	0.00
Total	7,787	7,706	81	2.85
Other PMUS				
Mahimahi	947	928	19	0.35
Moonfish	67	67	0	0.02
Wahoo	1,071	1,064	7	0.39
Oilfish	290	188	102	0.11
Pomfret	1,446	1,404	42	0.53
Total	3,821	3,651	170	1.40
Total PMUS	16,932	12,271	4,661	6.21
Non-PMUS Sharks	5	0	5	0.00
Total Non-PMUS	836	7	829	0.31
Total All Species	17,768	12,278	5,490	6.51

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). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage		Number of vessels active		
Time Period	1 July-30 September 2022	135		
Set Types	All sets	Number of trips (partial or completed) 378		
Fishing Area	Outside U.S. EEZ	Number of sets 4,027		
		Number of hooks set 12,092,120		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,571	1,565	6	0.13
Striped marlin	2,731	2,702	29	0.23
Shortbill spearfish	1,715	1,664	51	0.14
Swordfish	1,262	1,209	53	0.10
Other billfishes	131	130	1	0.01
Total	7,410	7,270	140	0.61
Shark PMUS				
Blue shark	21,581	0	21,581	1.78
Mako sharks	329	1	328	0.03
Thresher sharks	1,025	1	1,024	0.08
Oceanic whitetip shark	118	0	118	0.01
Silky shark	55	0	55	0.00
Total	23,108	2	23,106	1.91
Tuna PMUS				
Albacore	1,242	1,238	4	0.10
Bigeye tuna	29,353	29,132	221	2.43
Yellowfin tuna	13,464	13,353	111	1.11
Bluefin tuna	2	2	0	0.00
Skipjack tuna	1,861	1,841	20	0.15
Other tunas	0	0	0	0.00
Total	45,922	45,566	356	3.80
Other PMUS				
Mahimahi	15,131	14,828	303	1.25
Moonfish	1,248	1,248	0	0.10
Wahoo	3,622	3,591	31	0.30
Oilfish	1,482	1,195	287	0.12
Pomfret	7,344	7,297	47	0.61
Total	28,827	28,159	668	2.38
Total PMUS	105,267	80,997	24,270	8.71
Non-PMUS Sharks	43	0	43	0.00
Total Non-PMUS	922	3	919	0.08
Total All Species	106,189	81,000	25,189	8.78

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). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage		Summary Statistics		
Time Period	1 July-30 September 2022	Number of vessels active	3	
Set Types	Shallow sets	Number of trips (partial or completed)	3	
Fishing Area	All Areas	Number of sets	46	
		Number of hooks set	56,407	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	4	4	0	0.07
Striped marlin	66	66	0	1.17
Shortbill spearfish	2	2	0	0.04
Swordfish	697	668	29	12.36
Other billfishes	0	0	0	0.00
Total	769	740	29	13.63
Shark PMUS				
Blue shark	964	0	964	17.09
Mako sharks	32	0	32	0.57
Thresher sharks	6	0	6	0.11
Oceanic whitetip shark	2	0	2	0.04
Silky shark	0	0	0	0.00
Total	1,004	0	1,004	17.80
Tuna PMUS				
Albacore	1	1	0	0.02
Bigeye tuna	10	9	1	0.18
Yellowfin tuna	22	22	0	0.39
Bluefin tuna	0	0	0	0.00
Skipjack tuna	0	0	0	0.00
Other tunas	0	0	0	0.00
Total	33	32	1	0.59
Other PMUS				
Mahimahi	454	454	0	8.05
Moonfish	0	0	0	0.00
Wahoo	4	4	0	0.07
Oilfish	13	3	10	0.23
Pomfret	0	0	0	0.00
Total	471	461	10	8.35
Total PMUS	2,277	1,233	1,044	40.37
Non-PMUS Sharks	2	0	2	0.04
Total Non-PMUS	4	0	4	0.07
Total All Species	2,281	1,233	1,048	40.44

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). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 July-30 September 2022
 Set Types Deep sets
 Fishing Area All Areas

Number of vessels active	134
Number of trips (partial or completed)	415
Number of sets	4,878
Number of hooks set	14,763,284

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,791	1,785	6	0.12
Striped marlin	2,983	2,953	30	0.20
Shortbill spearfish	1,968	1,916	52	0.13
Swordfish	677	639	38	0.05
Other billfishes	151	150	1	0.01
Total	7,570	7,443	127	0.51
Shark PMUS				
Blue shark	24,808	0	24,808	1.68
Mako sharks	357	1	356	0.02
Thresher sharks	1,121	2	1,119	0.08
Oceanic whitetip shark	141	0	141	0.01
Silky shark	72	0	72	0.00
Total	26,499	3	26,496	1.79
Tuna PMUS				
Albacore	1,351	1,339	12	0.09
Bigeye tuna	32,442	32,212	230	2.20
Yellowfin tuna	17,554	17,394	160	1.19
Bluefin tuna	2	2	0	0.00
Skipjack tuna	2,327	2,293	34	0.16
Other tunas	0	0	0	0.00
Total	53,676	53,240	436	3.64
Other PMUS				
Mahimahi	15,624	15,302	322	1.06
Moonfish	1,315	1,315	0	0.09
Wahoo	4,689	4,651	38	0.32
Oilfish	1,759	1,380	379	0.12
Pomfret	8,790	8,701	89	0.60
Total	32,177	31,349	828	2.18
Total PMUS	119,922	92,035	27,887	8.12
Non-PMUS Sharks	46	0	46	0.00
Total Non-PMUS	1,754	10	1,744	0.12
Total All Species	121,676	92,045	29,631	8.24