

**The Hawaii - California Pelagic Longline Vessels
Quarterly Report
1 January–31 March 2022¹**

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The Hawaii - California pelagic longline logbook report for the first quarter of 2022 (1 January–31 March; 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 (\geq 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 first quarter of 2022 (1 January–31 March) 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 January-31 March 2022
 Set Types All sets
 Fishing Area All Areas

Number of vessels active	135
Number of trips (partial or completed)	463
Number of sets	5,710
Number of hooks set	16,301,283

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,415	1,410	5	0.09
Striped marlin	2,451	2,426	25	0.15
Shortbill spearfish	3,219	3,107	112	0.20
Swordfish	6,107	5,953	154	0.37
Other billfishes	67	67	0	0.00
Total	13,259	12,963	296	0.81
Shark PMUS				
Blue shark	20,760	0	20,760	1.27
Mako sharks	952	14	938	0.06
Thresher sharks	2,819	10	2,809	0.17
Oceanic whitetip shark	82	0	82	0.01
Silky shark	40	0	40	0.00
Total	24,653	24	24,629	1.51
Tuna PMUS				
Albacore	5,680	5,283	397	0.35
Bigeye tuna	44,847	43,831	1,016	2.75
Yellowfin tuna	23,348	22,494	854	1.43
Bluefin tuna	6	6	0	0.00
Skipjack tuna	2,950	2,890	60	0.18
Other tunas	0	0	0	0.00
Total	76,831	74,504	2,327	4.71
Other PMUS				
Mahimahi	4,666	4,613	53	0.29
Moonfish	1,507	1,506	1	0.09
Wahoo	3,365	3,356	9	0.21
Oilfish	3,154	2,619	535	0.19
Pomfret	7,081	6,920	161	0.43
Total	19,773	19,014	759	1.21
Total PMUS	134,516	106,505	28,011	8.25
Non-PMUS Sharks	67	0	67	0.00
Total Non-PMUS	1,299	16	1,283	0.08
Total All Species	135,815	106,521	29,294	8.33

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		Number of vessels active		
Time Period	1 January-31 March 2022	106		
Set Types	All sets	206		
Fishing Area	Inside U.S. EEZ	1,431		
		4,199,404		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	486	482	4	0.12
Striped marlin	1,099	1,091	8	0.26
Shortbill spearfish	1,381	1,372	9	0.33
Swordfish	118	115	3	0.03
Other billfishes	18	18	0	0.00
Total	3,102	3,078	24	0.74
Shark PMUS				
Blue shark	4,926	0	4,926	1.17
Mako sharks	100	2	98	0.02
Thresher sharks	260	2	258	0.06
Oceanic whitetip shark	21	0	21	0.01
Silky shark	15	0	15	0.00
Total	5,322	4	5,318	1.27
Tuna PMUS				
Albacore	67	67	0	0.02
Bigeye tuna	10,528	10,335	193	2.51
Yellowfin tuna	4,187	4,003	184	1.00
Bluefin tuna	0	0	0	0.00
Skipjack tuna	332	329	3	0.08
Other tunas	0	0	0	0.00
Total	15,114	14,734	380	3.60
Other PMUS				
Mahimahi	552	548	4	0.13
Moonfish	152	152	0	0.04
Wahoo	317	314	3	0.08
Oilfish	1,155	1,001	154	0.28
Pomfret	1,209	1,188	21	0.29
Total	3,385	3,203	182	0.81
Total PMUS	26,923	21,019	5,904	6.41
Non-PMUS Sharks	19	0	19	0.00
Total Non-PMUS	537	10	527	0.13
Total All Species	27,460	21,029	6,431	6.54

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 January-31 March 2022	133		
Set Types	All sets	Number of trips (partial or completed) 403		
Fishing Area	Outside U.S. EEZ	Number of sets 4,279		
		Number of hooks set 12,101,879		

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	929	928	1	0.08
Striped marlin	1,352	1,335	17	0.11
Shortbill spearfish	1,838	1,735	103	0.15
Swordfish	5,989	5,838	151	0.49
Other billfishes	49	49	0	0.00
Total	10,157	9,885	272	0.84
Shark PMUS				
Blue shark	15,834	0	15,834	1.31
Mako sharks	852	12	840	0.07
Thresher sharks	2,559	8	2,551	0.21
Oceanic whitetip shark	61	0	61	0.01
Silky shark	25	0	25	0.00
Total	19,331	20	19,311	1.60
Tuna PMUS				
Albacore	5,613	5,216	397	0.46
Bigeye tuna	34,319	33,496	823	2.84
Yellowfin tuna	19,161	18,491	670	1.58
Bluefin tuna	6	6	0	0.00
Skipjack tuna	2,618	2,561	57	0.22
Other tunas	0	0	0	0.00
Total	61,717	59,770	1,947	5.10
Other PMUS				
Mahimahi	4,114	4,065	49	0.34
Moonfish	1,355	1,354	1	0.11
Wahoo	3,048	3,042	6	0.25
Oilfish	1,999	1,618	381	0.17
Pomfret	5,872	5,732	140	0.49
Total	16,388	15,811	577	1.35
Total PMUS	107,593	85,486	22,107	8.89
Non-PMUS Sharks	48	0	48	0.00
Total Non-PMUS	762	6	756	0.06
Total All Species	108,355	85,492	22,863	8.95

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 January-31 March 2022	Number of vessels active	10	
Set Types	Shallow sets	Number of trips (partial or completed)	25	
Fishing Area	All Areas	Number of sets	369	
		Number of hooks set	468,792	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	12	12	0	0.03
Striped marlin	62	62	0	0.13
Shortbill spearfish	17	17	0	0.04
Swordfish	5,283	5,138	145	11.27
Other billfishes	1	1	0	0.00
Total	5,375	5,230	145	11.47
Shark PMUS				
Blue shark	1,908	0	1,908	4.07
Mako sharks	346	2	344	0.74
Thresher sharks	15	0	15	0.03
Oceanic whitetip shark	0	0	0	0.00
Silky shark	4	0	4	0.01
Total	2,273	2	2,271	4.85
Tuna PMUS				
Albacore	480	478	2	1.02
Bigeye tuna	676	672	4	1.44
Yellowfin tuna	506	505	1	1.08
Bluefin tuna	3	3	0	0.01
Skipjack tuna	8	8	0	0.02
Other tunas	0	0	0	0.00
Total	1,673	1,666	7	3.57
Other PMUS				
Mahimahi	477	475	2	1.02
Moonfish	2	2	0	0.00
Wahoo	11	11	0	0.02
Oilfish	36	25	11	0.08
Pomfret	3	3	0	0.01
Total	529	516	13	1.13
Total PMUS	9,850	7,414	2,436	21.01
Non-PMUS Sharks	0	0	0	0.00
Total Non-PMUS	0	0	0	0.00
Total All Species	9,850	7,414	2,436	21.01

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		Summary Statistics		
Time Period	1 January-31 March 2022	Number of vessels active	127	
Set Types	Deep sets	Number of trips (partial or completed)	438	
Fishing Area	All Areas	Number of sets	5,341	
		Number of hooks set	15,832,491	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,403	1,398	5	0.09
Striped marlin	2,389	2,364	25	0.15
Shortbill spearfish	3,202	3,090	112	0.20
Swordfish	824	815	9	0.05
Other billfishes	66	66	0	0.00
Total	7,884	7,733	151	0.50
Shark PMUS				
Blue shark	18,852	0	18,852	1.19
Mako sharks	606	12	594	0.04
Thresher sharks	2,804	10	2,794	0.18
Oceanic whitetip shark	82	0	82	0.01
Silky shark	36	0	36	0.00
Total	22,380	22	22,358	1.41
Tuna PMUS				
Albacore	5,200	4,805	395	0.33
Bigeye tuna	44,171	43,159	1,012	2.79
Yellowfin tuna	22,842	21,989	853	1.44
Bluefin tuna	3	3	0	0.00
Skipjack tuna	2,942	2,882	60	0.19
Other tunas	0	0	0	0.00
Total	75,158	72,838	2,320	4.75
Other PMUS				
Mahimahi	4,189	4,138	51	0.26
Moonfish	1,505	1,504	1	0.10
Wahoo	3,354	3,345	9	0.21
Oilfish	3,118	2,594	524	0.20
Pomfret	7,078	6,917	161	0.45
Total	19,244	18,498	746	1.22
Total PMUS	124,666	99,091	25,575	7.87
Non-PMUS Sharks	67	0	67	0.00
Total Non-PMUS	1,299	16	1,283	0.08
Total All Species	125,965	99,107	26,858	7.96