

8.A.1(1)

145th SSC

The Hawaii - California Pelagic Longline Vessels Semi-annual Report 1 January-30 June 2022

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 2022 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 22 August 2022. 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 table shows summary 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, 2022: Hawaii Longline Logbook, <https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2022: 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, 2022
Set Types All sets
Fishing Area All Areas

Number of vessels active	140
Number of trips (partial or completed)	851
Number of sets	11,296
Number of hooks set	32,380,828

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,332	3,308	24	0.10
Striped marlin	4,994	4,936	58	0.15
Shortbill spearfish	5,601	5,451	150	0.17
Swordfish	9,014	8,807	207	0.28
Other billfishes	203	199	4	0.01
Total	23,144	22,701	443	0.71
Shark PMUS				
Blue shark	3,108	0	3,108	1.21
Mako sharks	173	17	156	0.04
Thresher sharks	6,355	5	110	0.19
Oceanic whitetip shark	193		193	0.01
Silky shark	122	0	122	0.00
Total	46,731	42	46,689	1.44
Tuna PMUS				
Albacore	9,116	8,482	634	0.28
Bigeye tuna	89,166	87,661	1,505	2.75
Yellowfin tuna	42,040	40,841	1,199	1.30
Bluefin tuna	7	7	0	0.00
Skipjack tuna	8,618	8,503	115	0.27
Other tunas	0	0	0	0.00
Total	148,947	145,494	3,453	4.60
Other PMUS				
Mahimahi	7,941	7,861	80	0.25
Moonfish	2,548	2,546	2	0.08
Wahoo	9,534	9,498	36	0.29
Oilfish	5,490	4,395	1,095	0.17
Pomfret	15,044	14,814	230	0.46
Total	40,557	39,114	1,443	1.25
Total PMUS	259,379	207,351	52,028	8.01
Non-PMUS Sharks	157	0	157	0.00
Total Non-PMUS	2,693	142	2,551	0.08
Total All Species	262,072	207,493	54,579	8.09

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, 2022
Set Types All sets
Fishing Area Inside U.S. EEZ

Number of vessels active	125
Number of trips (partial or completed)	443
Number of sets	3,045
Number of hooks set	8,941,143

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	961	953	8	0.11
Striped marlin	1,843	1,831	12	0.21
Shortbill spearfish	2,213	2,190	23	0.25
Swordfish	696	685	11	0.08
Other billfishes	46	45	1	0.01
Total	5,759	5,704	55	0.64
Shark PMUS				
Blue shark	1,241	0	1,241	1.15
Mako sharks	23	2	221	0.02
Thresher sharks	557	0	551	0.17
Oceanic whitetip shark	79	0	79	0.01
Silky shark	43	0	43	0.00
Total	12,143	8	12,135	1.36
Tuna PMUS				
Albacore	140	140	0	0.02
Bigeye tuna	21,794	21,466	328	2.44
Yellowfin tuna	9,019	8,755	264	1.01
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,571	2,547	24	0.29
Other tunas	0	0	0	0.00
Total	33,524	32,908	616	3.75
Other PMUS				
Mahimahi	1,105	1,099	6	0.12
Moonfish	286	285	1	0.03
Wahoo	2,009	1,999	10	0.22
Oilfish	1,916	1,539	377	0.21
Pomfret	2,582	2,535	47	0.29
Total	7,898	7,457	441	0.88
Total PMUS	59,324	46,077	13,247	6.63
Non-PMUS Sharks	48	0	48	0.01
Total Non-PMUS	1,174	57	1,117	0.13
Total All Species	60,498	46,134	14,364	6.77

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

Time Period 1 January-30 June, 2022
Set Types All sets
Fishing Area Outside U.S. EEZ

Number of vessels active	138
Number of trips (partial or completed)	738
Number of sets	8,251
Number of hooks set	23,439,685

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,371	2,355	16	0.10
Striped marlin	3,151	3,105	46	0.13
Shortbill spearfish	3,388	3,261	127	0.14
Swordfish	8,318	8,122	196	0.35
Other billfishes	157	154	3	0.01
Total	17,385	16,997	388	0.74
Shark PMUS				
Blue shark	2,867	0	2,867	1.23
Mako sharks	950	15	935	0.04
Thresher sharks	4,678	9	559	0.20
Oceanic whitetip shark	114	0	114	0.00
Silky shark	79	0	79	0.00
Total	34,588	34	34,554	1.48
Tuna PMUS				
Albacore	8,976	8,342	634	0.38
Bigeye tuna	67,372	66,195	1,177	2.87
Yellowfin tuna	33,021	32,086	935	1.41
Bluefin tuna	7	7	0	0.00
Skipjack tuna	6,047	5,956	91	0.26
Other tunas	0	0	0	0.00
Total	115,423	112,586	2,837	4.92
Other PMUS				
Mahimahi	6,836	6,762	74	0.29
Moonfish	2,262	2,261	1	0.10
Wahoo	7,525	7,499	26	0.32
Oilfish	3,574	2,856	718	0.15
Pomfret	12,462	12,279	183	0.53
Total	32,659	31,657	1,002	1.39
Total PMUS	200,055	161,274	38,781	8.53
Non-PMUS Sharks	109	0	109	0.00
Total Non-PMUS	1,519	85	1,434	0.06
Total All Species	201,574	161,359	40,215	8.60

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, 2022
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	15
Number of trips (partial or completed)	41
Number of sets	554
Number of hooks set	684,473

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	40	40	0	0.06
Striped marlin	309	308	1	0.45
Shortbill spearfish	57	57	0	0.08
Swordfish	6,679	6,489	190	9.76
Other billfishes	12	11	1	0.02
Total	7,097	6,905	192	10.37
Shark PMUS				
Blue shark	3,081	0	3,081	4.50
Mako sharks	273	4	269	0.40
Thresher sharks	34	0	34	0.05
Oceanic whitetip shark	24	0	24	0.04
Silky shark	5	0	5	0.01
Total	3,417	4	3,413	4.99
Tuna PMUS				
Albacore	417	415	2	0.61
Bigeye tuna	645	640	5	0.94
Yellowfin tuna	737	735	2	1.08
Bluefin tuna	4	4	0	0.01
Skipjack tuna	28	28	0	0.04
Other tunas	0	0	0	0.00
Total	1,831	1,822	9	2.68
Other PMUS				
Mahimahi	921	918	3	1.35
Moonfish	2	2	0	0.00
Wahoo	29	29	0	0.04
Oilfish	177	110	67	0.26
Pomfret	6	4	2	0.01
Total	1,135	1,063	72	1.66
Total PMUS	13,480	9,794	3,686	19.69
Non-PMUS Sharks	3	0	3	0.00
Total Non-PMUS	14	10	4	0.02
Total All Species	13,494	9,804	3,690	19.71

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, 2022
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	139
Number of trips (partial or completed)	811
Number of sets	10,742
Number of hooks set	31,696,355

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	3,292	3,268	24	0.10
Striped marlin	4,685	4,628	57	0.15
Shortbill spearfish	5,544	5,394	150	0.17
Swordfish	2,335	2,318	17	0.07
Other billfishes	191	188	3	0.01
Total	16,047	15,796	251	0.51
Shark PMUS				
Blue shark	3,027	0	3,027	1.14
Mako sharks	900	13	887	0.03
Thresher sharks	6,001	5	5,996	0.19
Oceanic whitetip shark	1,169	0	1,169	0.01
Silky shark	117	0	117	0.00
Total	43,314	38	43,276	1.37
Tuna PMUS				
Albacore	8,699	8,067	632	0.27
Bigeye tuna	88,521	87,021	1,500	2.79
Yellowfin tuna	41,303	40,106	1,197	1.30
Bluefin tuna	3	3	0	0.00
Skipjack tuna	8,590	8,475	115	0.27
Other tunas	0	0	0	0.00
Total	147,116	143,672	3,444	4.64
Other PMUS				
Mahimahi	7,020	6,943	77	0.22
Moonfish	2,546	2,544	2	0.08
Wahoo	9,505	9,469	36	0.30
Oilfish	5,313	4,285	1,028	0.17
Pomfret	15,038	14,810	228	0.47
Total	39,422	38,051	1,371	1.24
Total PMUS	245,899	197,557	48,342	7.76
Non-PMUS Sharks	154	0	154	0.00
Total Non-PMUS	2,679	132	2,547	0.08
Total All Species	248,578	197,689	50,889	7.84