

**The Hawaii - California Pelagic Longline Vessels  
Quarterly Report  
1 April–30 June 2022<sup>1</sup>**

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The Hawaii - California pelagic longline logbook report for the second quarter of 2022 (1 April–30 June; 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>

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<sup>1</sup>Data reported by fishers in electronic and paper logs were queried for the second quarter of 2022 (1 April–30 June) 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 April-30 June 2022	Number of vessels active	138	
Set Types	All sets	Number of trips (partial or completed)	458	
Fishing Area	All Areas	Number of sets	5,621	
		Number of hooks set	16,153,920	

  

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	1,917	1,898	19	0.12
Striped marlin	2,543	2,510	33	0.16
Shortbill spearfish	2,383	2,345	38	0.15
Swordfish	3,375	3,322	53	0.21
Other billfishes	136	132	4	0.01
<b>Total</b>	<b>10,354</b>	<b>10,207</b>	<b>147</b>	<b>0.64</b>
<b>Shark PMUS</b>				
Blue shark	18,588	0	18,588	1.15
Mako sharks	374	3	371	0.02
Thresher sharks	3,318	15	3,303	0.21
Oceanic whitetip shark	111	0	111	0.01
Silky shark	82	0	82	0.01
<b>Total</b>	<b>22,473</b>	<b>18</b>	<b>22,455</b>	<b>1.39</b>
<b>Tuna PMUS</b>				
Albacore	3,501	3,264	237	0.22
Bigeye tuna	44,350	43,866	484	2.75
Yellowfin tuna	18,697	18,352	345	1.16
Bluefin tuna	1	1	0	0.00
Skipjack tuna	5,668	5,613	55	0.35
Other tunas	0	0	0	0.00
<b>Total</b>	<b>72,217</b>	<b>71,096</b>	<b>1,121</b>	<b>4.47</b>
<b>Other PMUS</b>				
Mahimahi	3,373	3,346	27	0.21
Moonfish	1,044	1,043	1	0.06
Wahoo	6,172	6,145	27	0.38
Oilfish	2,336	1,776	560	0.14
Pomfret	7,966	7,897	69	0.49
<b>Total</b>	<b>20,891</b>	<b>20,207</b>	<b>684</b>	<b>1.29</b>
<b>Total PMUS</b>	<b>125,935</b>	<b>101,528</b>	<b>24,407</b>	<b>7.80</b>
Non-PMUS Sharks	90	0	90	0.01
<b>Total Non-PMUS</b>	<b>1,394</b>	<b>126</b>	<b>1,268</b>	<b>0.09</b>
<b>Total All Species</b>	<b>127,329</b>	<b>101,654</b>	<b>25,675</b>	<b>7.88</b>

**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 April-30 June 2022  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	112
Number of trips (partial or completed)	248
Number of sets	1,613
Number of hooks set	4,738,379

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	475	471	4	0.10
Striped marlin	744	740	4	0.16
Shortbill spearfish	832	818	14	0.18
Swordfish	575	567	8	0.12
Other billfishes	28	27	1	0.01
<b>Total</b>	<b>2,654</b>	<b>2,623</b>	<b>31</b>	<b>0.56</b>
<b>Shark PMUS</b>				
Blue shark	5,311	0	5,311	1.12
Mako sharks	123	0	123	0.03
Thresher sharks	1,295	4	1,291	0.27
Oceanic whitetip shark	58	0	58	0.01
Silky shark	28	0	28	0.01
<b>Total</b>	<b>6,815</b>	<b>4</b>	<b>6,811</b>	<b>1.44</b>
<b>Tuna PMUS</b>				
Albacore	73	73	0	0.02
Bigeye tuna	11,251	11,116	135	2.37
Yellowfin tuna	4,830	4,750	80	1.02
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,239	2,218	21	0.47
Other tunas	0	0	0	0.00
<b>Total</b>	<b>18,393</b>	<b>18,157</b>	<b>236</b>	<b>3.88</b>
<b>Other PMUS</b>				
Mahimahi	552	550	2	0.12
Moonfish	133	132	1	0.03
Wahoo	1,691	1,684	7	0.36
Oilfish	761	538	223	0.16
Pomfret	1,371	1,345	26	0.29
<b>Total</b>	<b>4,508</b>	<b>4,249</b>	<b>259</b>	<b>0.95</b>
<b>Total PMUS</b>	<b>32,370</b>	<b>25,033</b>	<b>7,337</b>	<b>6.83</b>
Non-PMUS Sharks	29	0	29	0.01
<b>Total Non-PMUS</b>	<b>637</b>	<b>47</b>	<b>590</b>	<b>0.13</b>
<b>Total All Species</b>	<b>33,007</b>	<b>25,080</b>	<b>7,927</b>	<b>6.97</b>

**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		Summary Statistics		
Time Period	1 April-30 June 2022	Number of vessels active	135	
Set Types	All sets	Number of trips (partial or completed)	394	
Fishing Area	Outside U.S. EEZ	Number of sets	4,008	
		Number of hooks set	11,415,541	

  

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	1,442	1,427	15	0.13
Striped marlin	1,799	1,770	29	0.16
Shortbill spearfish	1,551	1,527	24	0.14
Swordfish	2,800	2,755	45	0.25
Other billfishes	108	105	3	0.01
<b>Total</b>	<b>7,700</b>	<b>7,584</b>	<b>116</b>	<b>0.67</b>
<b>Shark PMUS</b>				
Blue shark	13,277	0	13,277	1.16
Mako sharks	251	3	248	0.02
Thresher sharks	2,023	11	2,012	0.18
Oceanic whitetip shark	53	0	53	0.00
Silky shark	54	0	54	0.00
<b>Total</b>	<b>15,658</b>	<b>14</b>	<b>15,644</b>	<b>1.37</b>
<b>Tuna PMUS</b>				
Albacore	3,428	3,191	237	0.30
Bigeye tuna	33,099	32,750	349	2.90
Yellowfin tuna	13,867	13,602	265	1.21
Bluefin tuna	1	1	0	0.00
Skipjack tuna	3,429	3,395	34	0.30
Other tunas	0	0	0	0.00
<b>Total</b>	<b>53,824</b>	<b>52,939</b>	<b>885</b>	<b>4.71</b>
<b>Other PMUS</b>				
Mahimahi	2,821	2,796	25	0.25
Moonfish	911	911	0	0.08
Wahoo	4,481	4,461	20	0.39
Oilfish	1,575	1,238	337	0.14
Pomfret	6,595	6,552	43	0.58
<b>Total</b>	<b>16,383</b>	<b>15,958</b>	<b>425</b>	<b>1.44</b>
<b>Total PMUS</b>	<b>93,565</b>	<b>76,495</b>	<b>17,070</b>	<b>8.20</b>
Non-PMUS Sharks	61	0	61	0.01
<b>Total Non-PMUS</b>	<b>757</b>	<b>79</b>	<b>678</b>	<b>0.07</b>
<b>Total All Species</b>	<b>94,322</b>	<b>76,574</b>	<b>17,748</b>	<b>8.26</b>

**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 April-30 June 2022	Number of vessels active	13	
Set Types	Shallow sets	Number of trips (partial or completed)	19	
Fishing Area	All Areas	Number of sets	231	
		Number of hooks set	281,956	

  

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	28	28	0	0.10
Striped marlin	247	246	1	0.88
Shortbill spearfish	41	41	0	0.15
Swordfish	1,864	1,819	45	6.61
Other billfishes	11	10	1	0.04
<b>Total</b>	<b>2,191</b>	<b>2,144</b>	<b>47</b>	<b>7.77</b>
<b>Shark PMUS</b>				
Blue shark	1,408	0	1,408	4.99
Mako sharks	79	2	77	0.28
Thresher sharks	21	0	21	0.07
Oceanic whitetip shark	24	0	24	0.09
Silky shark	1	0	1	0.00
<b>Total</b>	<b>1,533</b>	<b>2</b>	<b>1,531</b>	<b>5.44</b>
<b>Tuna PMUS</b>				
Albacore	0	0	0	0.00
Bigeye tuna	103	102	1	0.37
Yellowfin tuna	231	230	1	0.82
Bluefin tuna	1	1	0	0.00
Skipjack tuna	20	20	0	0.07
Other tunas	0	0	0	0.00
<b>Total</b>	<b>355</b>	<b>353</b>	<b>2</b>	<b>1.26</b>
<b>Other PMUS</b>				
Mahimahi	542	541	1	1.92
Moonfish	1	1	0	0.00
Wahoo	18	18	0	0.06
Oilfish	141	85	56	0.50
Pomfret	3	1	2	0.01
<b>Total</b>	<b>705</b>	<b>646</b>	<b>59</b>	<b>2.50</b>
<b>Total PMUS</b>	<b>4,784</b>	<b>3,145</b>	<b>1,639</b>	<b>16.97</b>
Non-PMUS Sharks	3	0	3	0.01
<b>Total Non-PMUS</b>	<b>14</b>	<b>10</b>	<b>4</b>	<b>0.05</b>
<b>Total All Species</b>	<b>4,798</b>	<b>3,155</b>	<b>1,643</b>	<b>17.02</b>

**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 April-30 June 2022  
 Set Types Deep sets  
 Fishing Area All Areas

Number of vessels active	136
Number of trips (partial or completed)	440
Number of sets	5,390
Number of hooks set	15,871,964

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	1,889	1,870	19	0.12
Striped marlin	2,296	2,264	32	0.14
Shortbill spearfish	2,342	2,304	38	0.15
Swordfish	1,511	1,503	8	0.10
Other billfishes	125	122	3	0.01
<b>Total</b>	<b>8,163</b>	<b>8,063</b>	<b>100</b>	<b>0.51</b>
<b>Shark PMUS</b>				
Blue shark	17,180	0	17,180	1.08
Mako sharks	295	1	294	0.02
Thresher sharks	3,297	15	3,282	0.21
Oceanic whitetip shark	87	0	87	0.01
Silky shark	81	0	81	0.01
<b>Total</b>	<b>20,940</b>	<b>16</b>	<b>20,924</b>	<b>1.32</b>
<b>Tuna PMUS</b>				
Albacore	3,501	3,264	237	0.22
Bigeye tuna	44,247	43,764	483	2.79
Yellowfin tuna	18,466	18,122	344	1.16
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,648	5,593	55	0.36
Other tunas	0	0	0	0.00
<b>Total</b>	<b>71,862</b>	<b>70,743</b>	<b>1,119</b>	<b>4.53</b>
<b>Other PMUS</b>				
Mahimahi	2,831	2,805	26	0.18
Moonfish	1,043	1,042	1	0.07
Wahoo	6,154	6,127	27	0.39
Oilfish	2,195	1,691	504	0.14
Pomfret	7,963	7,896	67	0.50
<b>Total</b>	<b>20,186</b>	<b>19,561</b>	<b>625</b>	<b>1.27</b>
<b>Total PMUS</b>	<b>121,151</b>	<b>98,383</b>	<b>22,768</b>	<b>7.63</b>
Non-PMUS Sharks	87	0	87	0.01
<b>Total Non-PMUS</b>	<b>1,380</b>	<b>116</b>	<b>1,264</b>	<b>0.09</b>
<b>Total All Species</b>	<b>122,531</b>	<b>98,499</b>	<b>24,032</b>	<b>7.72</b>