

**The Hawaii - California Pelagic Longline Vessels  
Semi-annual Report  
1 January–30 June 2022<sup>1</sup>**

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The Hawaii - California pelagic longline logbook report for the first half of 2022 (1 January–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 (≥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 first half of 2022 (1 January–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 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	141
Number of trips (partial or completed)	852
Number of sets	11,331
Number of hooks set	32,455,203

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	3,332	3,308	24	0.10
Striped marlin	4,994	4,936	58	0.15
Shortbill spearfish	5,602	5,452	150	0.17
Swordfish	9,482	9,275	207	0.29
Other billfishes	203	199	4	0.01
<b>Total</b>	<b>23,613</b>	<b>23,170</b>	<b>443</b>	<b>0.73</b>
<b>Shark PMUS</b>				
Blue shark	39,348	0	39,348	1.21
Mako sharks	1,326	17	1,309	0.04
Thresher sharks	6,137	25	6,112	0.19
Oceanic whitetip shark	193	0	193	0.01
Silky shark	122	0	122	0.00
<b>Total</b>	<b>47,126</b>	<b>42</b>	<b>47,084</b>	<b>1.45</b>
<b>Tuna PMUS</b>				
Albacore	9,181	8,547	634	0.28
Bigeye tuna	89,197	87,697	1,500	2.75
Yellowfin tuna	42,045	40,846	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
<b>Total</b>	<b>149,048</b>	<b>145,600</b>	<b>3,448</b>	<b>4.59</b>
<b>Other PMUS</b>				
Mahimahi	8,039	7,959	80	0.25
Moonfish	2,551	2,549	2	0.08
Wahoo	9,537	9,501	36	0.29
Oilfish	5,490	4,395	1,095	0.17
Pomfret	15,047	14,817	230	0.46
<b>Total</b>	<b>40,664</b>	<b>39,221</b>	<b>1,443</b>	<b>1.25</b>
<b>Total PMUS</b>	<b>260,451</b>	<b>208,033</b>	<b>52,418</b>	<b>8.02</b>
Non-PMUS Sharks	157	0	157	0.00
<b>Total Non-PMUS</b>	<b>2,693</b>	<b>142</b>	<b>2,551</b>	<b>0.08</b>
<b>Total All Species</b>	<b>263,144</b>	<b>208,175</b>	<b>54,969</b>	<b>8.11</b>

**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		Number of vessels active		
Time Period	1 January-30 June, 2022	125		
Set Types	All sets	442		
Fishing Area	Inside U.S. EEZ	3,044		
		8,937,783		

  

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	961	953	8	0.11
Striped marlin	1,843	1,831	12	0.21
Shortbill spearfish	2,213	2,190	23	0.25
Swordfish	693	682	11	0.08
Other billfishes	46	45	1	0.01
<b>Total</b>	<b>5,756</b>	<b>5,701</b>	<b>55</b>	<b>0.64</b>
<b>Shark PMUS</b>				
Blue shark	10,237	0	10,237	1.15
Mako sharks	223	2	221	0.02
Thresher sharks	1,555	6	1,549	0.17
Oceanic whitetip shark	79	0	79	0.01
Silky shark	43	0	43	0.00
<b>Total</b>	<b>12,137</b>	<b>8</b>	<b>12,129</b>	<b>1.36</b>
<b>Tuna PMUS</b>				
Albacore	140	140	0	0.02
Bigeye tuna	21,779	21,451	328	2.44
Yellowfin tuna	9,017	8,753	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
<b>Total</b>	<b>33,507</b>	<b>32,891</b>	<b>616</b>	<b>3.75</b>
<b>Other PMUS</b>				
Mahimahi	1,104	1,098	6	0.12
Moonfish	285	284	1	0.03
Wahoo	2,008	1,998	10	0.22
Oilfish	1,916	1,539	377	0.21
Pomfret	2,580	2,533	47	0.29
<b>Total</b>	<b>7,893</b>	<b>7,452</b>	<b>441</b>	<b>0.88</b>
<b>Total PMUS</b>	<b>59,293</b>	<b>46,052</b>	<b>13,241</b>	<b>6.63</b>
Non-PMUS Sharks	48	0	48	0.01
<b>Total Non-PMUS</b>	<b>1,174</b>	<b>57</b>	<b>1,117</b>	<b>0.13</b>
<b>Total All Species</b>	<b>60,467</b>	<b>46,109</b>	<b>14,358</b>	<b>6.77</b>

**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	139
Number of trips (partial or completed)	740
Number of sets	8,287
Number of hooks set	23,517,420

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	2,371	2,355	16	0.10
Striped marlin	3,151	3,105	46	0.13
Shortbill spearfish	3,389	3,262	127	0.14
Swordfish	8,789	8,593	196	0.37
Other billfishes	157	154	3	0.01
<b>Total</b>	<b>17,857</b>	<b>17,469</b>	<b>388</b>	<b>0.76</b>
<b>Shark PMUS</b>				
Blue shark	29,111	0	29,111	1.24
Mako sharks	1,103	15	1,088	0.05
Thresher sharks	4,582	19	4,563	0.19
Oceanic whitetip shark	114	0	114	0.00
Silky shark	79	0	79	0.00
<b>Total</b>	<b>34,989</b>	<b>34</b>	<b>34,955</b>	<b>1.49</b>
<b>Tuna PMUS</b>				
Albacore	9,041	8,407	634	0.38
Bigeye tuna	67,418	66,246	1,172	2.87
Yellowfin tuna	33,028	32,093	935	1.40
Bluefin tuna	7	7	0	0.00
Skipjack tuna	6,047	5,956	91	0.26
Other tunas	0	0	0	0.00
<b>Total</b>	<b>115,541</b>	<b>112,709</b>	<b>2,832</b>	<b>4.91</b>
<b>Other PMUS</b>				
Mahimahi	6,935	6,861	74	0.29
Moonfish	2,266	2,265	1	0.10
Wahoo	7,529	7,503	26	0.32
Oilfish	3,574	2,856	718	0.15
Pomfret	12,467	12,284	183	0.53
<b>Total</b>	<b>32,771</b>	<b>31,769</b>	<b>1,002</b>	<b>1.39</b>
<b>Total PMUS</b>	<b>201,158</b>	<b>161,981</b>	<b>39,177</b>	<b>8.55</b>
Non-PMUS Sharks	109	0	109	0.00
<b>Total Non-PMUS</b>	<b>1,519</b>	<b>85</b>	<b>1,434</b>	<b>0.06</b>
<b>Total All Species</b>	<b>202,677</b>	<b>162,066</b>	<b>40,611</b>	<b>8.62</b>

**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	16
Number of trips (partial or completed)	43
Number of sets	600
Number of hooks set	750,748

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	40	40	0	0.05
Striped marlin	309	308	1	0.41
Shortbill spearfish	58	58	0	0.08
Swordfish	7,147	6,957	190	9.52
Other billfishes	12	11	1	0.02
<b>Total</b>	<b>7,566</b>	<b>7,374</b>	<b>192</b>	<b>10.08</b>
<b>Shark PMUS</b>				
Blue shark	3,316	0	3,316	4.42
Mako sharks	425	4	421	0.57
Thresher sharks	36	0	36	0.05
Oceanic whitetip shark	24	0	24	0.03
Silky shark	5	0	5	0.01
<b>Total</b>	<b>3,806</b>	<b>4</b>	<b>3,802</b>	<b>5.07</b>
<b>Tuna PMUS</b>				
Albacore	480	478	2	0.64
Bigeye tuna	779	774	5	1.04
Yellowfin tuna	737	735	2	0.98
Bluefin tuna	4	4	0	0.01
Skipjack tuna	28	28	0	0.04
Other tunas	0	0	0	0.00
<b>Total</b>	<b>2,028</b>	<b>2,019</b>	<b>9</b>	<b>2.70</b>
<b>Other PMUS</b>				
Mahimahi	1,019	1,016	3	1.36
Moonfish	3	3	0	0.00
Wahoo	29	29	0	0.04
Oilfish	177	110	67	0.24
Pomfret	6	4	2	0.01
<b>Total</b>	<b>1,234</b>	<b>1,162</b>	<b>72</b>	<b>1.64</b>
<b>Total PMUS</b>	<b>14,634</b>	<b>10,559</b>	<b>4,075</b>	<b>19.49</b>
Non-PMUS Sharks	3	0	3	0.00
<b>Total Non-PMUS</b>	<b>14</b>	<b>10</b>	<b>4</b>	<b>0.02</b>
<b>Total All Species</b>	<b>14,648</b>	<b>10,569</b>	<b>4,079</b>	<b>19.51</b>

**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		Number of vessels active		
Time Period	1 January-30 June, 2022	139		
Set Types	Deep sets	Number of trips (partial or completed) 810		
Fishing Area	All Areas	Number of sets 10,731		
		Number of hooks set 31,704,455		
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	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
<b>Total</b>	<b>16,047</b>	<b>15,796</b>	<b>251</b>	<b>0.51</b>
<b>Shark PMUS</b>				
Blue shark	36,032	0	36,032	1.14
Mako sharks	901	13	888	0.03
Thresher sharks	6,101	25	6,076	0.19
Oceanic whitetip shark	169	0	169	0.01
Silky shark	117	0	117	0.00
<b>Total</b>	<b>43,320</b>	<b>38</b>	<b>43,282</b>	<b>1.37</b>
<b>Tuna PMUS</b>				
Albacore	8,701	8,069	632	0.27
Bigeye tuna	88,418	86,923	1,495	2.79
Yellowfin tuna	41,308	40,111	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
<b>Total</b>	<b>147,020</b>	<b>143,581</b>	<b>3,439</b>	<b>4.64</b>
<b>Other PMUS</b>				
Mahimahi	7,020	6,943	77	0.22
Moonfish	2,548	2,546	2	0.08
Wahoo	9,508	9,472	36	0.30
Oilfish	5,313	4,285	1,028	0.17
Pomfret	15,041	14,813	228	0.47
<b>Total</b>	<b>39,430</b>	<b>38,059</b>	<b>1,371</b>	<b>1.24</b>
<b>Total PMUS</b>	<b>245,817</b>	<b>197,474</b>	<b>48,343</b>	<b>7.75</b>
Non-PMUS Sharks	154	0	154	0.00
<b>Total Non-PMUS</b>	<b>2,679</b>	<b>132</b>	<b>2,547</b>	<b>0.08</b>
<b>Total All Species</b>	<b>248,496</b>	<b>197,606</b>	<b>50,890</b>	<b>7.84</b>