

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

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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 tables show fishery 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
<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	5,601	5,451	150	0.17
Swordfish	9,014	8,807	207	0.28
Other billfishes	203	199	4	0.01
<b>Total</b>	<b>23,144</b>	<b>22,701</b>	<b>443</b>	<b>0.71</b>
<b>Shark PMUS</b>				
Blue shark	39,108	0	39,108	1.21
Mako sharks	1,173	17	1,156	0.04
Thresher sharks	6,135	25	6,110	0.19
Oceanic whitetip shark	193	0	193	0.01
Silky shark	122	0	122	0.00
<b>Total</b>	<b>46,731</b>	<b>42</b>	<b>46,689</b>	<b>1.44</b>
<b>Tuna PMUS</b>				
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
<b>Total</b>	<b>148,947</b>	<b>145,494</b>	<b>3,453</b>	<b>4.60</b>
<b>Other PMUS</b>				
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
<b>Total</b>	<b>40,557</b>	<b>39,114</b>	<b>1,443</b>	<b>1.25</b>
<b>Total PMUS</b>	<b>259,379</b>	<b>207,351</b>	<b>52,028</b>	<b>8.01</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>262,072</b>	<b>207,493</b>	<b>54,579</b>	<b>8.09</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**

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
<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	696	685	11	0.08
Other billfishes	46	45	1	0.01
<b>Total</b>	<b>5,759</b>	<b>5,704</b>	<b>55</b>	<b>0.64</b>
<b>Shark PMUS</b>				
Blue shark	10,241	0	10,241	1.15
Mako sharks	223	2	221	0.02
Thresher sharks	1,557	6	1,551	0.17
Oceanic whitetip shark	79	0	79	0.01
Silky shark	43	0	43	0.00
<b>Total</b>	<b>12,143</b>	<b>8</b>	<b>12,135</b>	<b>1.36</b>
<b>Tuna PMUS</b>				
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
<b>Total</b>	<b>33,524</b>	<b>32,908</b>	<b>616</b>	<b>3.75</b>
<b>Other PMUS</b>				
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
<b>Total</b>	<b>7,898</b>	<b>7,457</b>	<b>441</b>	<b>0.88</b>
<b>Total PMUS</b>	<b>59,324</b>	<b>46,077</b>	<b>13,247</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>60,498</b>	<b>46,134</b>	<b>14,364</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	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
<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	3,388	3,261	127	0.14
Swordfish	8,318	8,122	196	0.35
Other billfishes	157	154	3	0.01
<b>Total</b>	<b>17,385</b>	<b>16,997</b>	<b>388</b>	<b>0.74</b>
<b>Shark PMUS</b>				
Blue shark	28,867	0	28,867	1.23
Mako sharks	950	15	935	0.04
Thresher sharks	4,578	19	4,559	0.20
Oceanic whitetip shark	114	0	114	0.00
Silky shark	79	0	79	0.00
<b>Total</b>	<b>34,588</b>	<b>34</b>	<b>34,554</b>	<b>1.48</b>
<b>Tuna PMUS</b>				
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
<b>Total</b>	<b>115,423</b>	<b>112,586</b>	<b>2,837</b>	<b>4.92</b>
<b>Other PMUS</b>				
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
<b>Total</b>	<b>32,659</b>	<b>31,657</b>	<b>1,002</b>	<b>1.39</b>
<b>Total PMUS</b>	<b>200,055</b>	<b>161,274</b>	<b>38,781</b>	<b>8.53</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>201,574</b>	<b>161,359</b>	<b>40,215</b>	<b>8.60</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	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
<b>PMUS</b>				
<b>Billfish PMUS</b>				
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
<b>Total</b>	<b>7,097</b>	<b>6,905</b>	<b>192</b>	<b>10.37</b>
<b>Shark PMUS</b>				
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
<b>Total</b>	<b>3,417</b>	<b>4</b>	<b>3,413</b>	<b>4.99</b>
<b>Tuna PMUS</b>				
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
<b>Total</b>	<b>1,831</b>	<b>1,822</b>	<b>9</b>	<b>2.68</b>
<b>Other PMUS</b>				
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
<b>Total</b>	<b>1,135</b>	<b>1,063</b>	<b>72</b>	<b>1.66</b>
<b>Total PMUS</b>	<b>13,480</b>	<b>9,794</b>	<b>3,686</b>	<b>19.69</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>13,494</b>	<b>9,804</b>	<b>3,690</b>	<b>19.71</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**

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
<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	36,027	0	36,027	1.14
Mako sharks	900	13	887	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>43,314</b>	<b>38</b>	<b>43,276</b>	<b>1.37</b>
<b>Tuna PMUS</b>				
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
<b>Total</b>	<b>147,116</b>	<b>143,672</b>	<b>3,444</b>	<b>4.64</b>
<b>Other PMUS</b>				
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
<b>Total</b>	<b>39,422</b>	<b>38,051</b>	<b>1,371</b>	<b>1.24</b>
<b>Total PMUS</b>	<b>245,899</b>	<b>197,557</b>	<b>48,342</b>	<b>7.76</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>248,578</b>	<b>197,689</b>	<b>50,889</b>	<b>7.84</b>