

**The Hawaii - California Pelagic Longline Vessels  
Semi-annual Report  
1 January-30 June 2021**

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This semi-annual report for the 1 January-30 June 2021 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 RFMO data received as of 15 September 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, 2021  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	144
Number of trips (partial or completed)	950
Number of sets	11,870
Number of hooks set	33,765,564

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	3,114	3,080	34	0.09
Striped marlin	4,615	4,566	49	0.14
Shortbill spearfish	7,108	6,989	119	0.21
Swordfish	8,153	7,938	215	0.24
Other billfishes	229	224	5	0.01
<b>Total</b>	<b>23,219</b>	<b>22,797</b>	<b>422</b>	<b>0.69</b>
<b>Shark PMUS</b>				
Blue shark	52,209	0	52,209	1.55
Mako sharks	2,344	43	2,301	0.07
Thresher sharks	7,396	22	7,374	0.22
Oceanic whitetip shark	283	0	283	0.01
Silky shark	132	0	132	0.00
<b>Total</b>	<b>62,364</b>	<b>65</b>	<b>62,299</b>	<b>1.85</b>
<b>Tuna PMUS</b>				
Albacore	5,341	5,194	147	0.16
Bigeye tuna	102,760	101,082	1,678	3.04
Yellowfin tuna	36,801	35,872	929	1.09
Bluefin tuna	5	5	0	0.00
Skipjack tuna	14,012	13,867	145	0.41
Other tunas	1	1	0	0.00
<b>Total</b>	<b>158,920</b>	<b>156,021</b>	<b>2,899</b>	<b>4.71</b>
<b>Other PMUS</b>				
Mahimahi	10,862	10,787	75	0.32
Moonfish	4,046	4,022	24	0.12
Wahoo	17,987	17,926	61	0.53
Oilfish	4,932	3,617	1,315	0.15
Pomfret	16,842	16,670	172	0.50
<b>Total</b>	<b>54,669</b>	<b>53,022</b>	<b>1,647</b>	<b>1.62</b>
<b>Total PMUS</b>	<b>299,172</b>	<b>231,905</b>	<b>67,267</b>	<b>8.86</b>
Non-PMUS Sharks	71	0	71	0.00
<b>Total Non-PMUS</b>	<b>5,047</b>	<b>230</b>	<b>4,817</b>	<b>0.15</b>
<b>Total All Species</b>	<b>304,219</b>	<b>232,135</b>	<b>72,084</b>	<b>9.01</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, 2021	132		
Set Types	All sets	676		
Fishing Area	Inside U.S. EEZ	5,374		
		15,399,995		

  

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	1,515	1,499	16	0.10
Striped marlin	2,352	2,342	10	0.15
Shortbill spearfish	3,909	3,900	9	0.25
Swordfish	1,388	1,373	15	0.09
Other billfishes	130	130	0	0.01
<b>Total</b>	<b>9,294</b>	<b>9,244</b>	<b>50</b>	<b>0.60</b>
<b>Shark PMUS</b>				
Blue shark	22,704	0	22,704	1.47
Mako sharks	705	0	705	0.05
Thresher sharks	1,776	3	1,773	0.12
Oceanic whitetip shark	152	0	152	0.01
Silky shark	45	0	45	0.00
<b>Total</b>	<b>25,382</b>	<b>3</b>	<b>25,379</b>	<b>1.65</b>
<b>Tuna PMUS</b>				
Albacore	225	225	0	0.01
Bigeye tuna	41,280	40,659	621	2.68
Yellowfin tuna	14,040	13,749	291	0.91
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,401	5,371	30	0.35
Other tunas	0	0	0	0.00
<b>Total</b>	<b>60,946</b>	<b>60,004</b>	<b>942</b>	<b>3.96</b>
<b>Other PMUS</b>				
Mahimahi	3,580	3,570	10	0.23
Moonfish	545	544	1	0.04
Wahoo	7,898	7,886	12	0.51
Oilfish	1,787	1,357	430	0.12
Pomfret	5,861	5,828	33	0.38
<b>Total</b>	<b>19,671</b>	<b>19,185</b>	<b>486</b>	<b>1.28</b>
<b>Total PMUS</b>	<b>115,293</b>	<b>88,436</b>	<b>26,857</b>	<b>7.49</b>
Non-PMUS Sharks	28	0	28	0.00
<b>Total Non-PMUS</b>	<b>644</b>	<b>96</b>	<b>548</b>	<b>0.04</b>
<b>Total All Species</b>	<b>115,937</b>	<b>88,532</b>	<b>27,405</b>	<b>7.53</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, 2021			
Set Types	All sets			
Fishing Area	Outside U.S. EEZ			
		Number of vessels active	141	
		Number of trips (partial or completed)	705	
		Number of sets	6,496	
		Number of hooks set	18,365,569	

  

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	1,599	1,581	18	0.09
Striped marlin	2,263	2,224	39	0.12
Shortbill spearfish	3,199	3,089	110	0.17
Swordfish	6,765	6,565	200	0.37
Other billfishes	99	94	5	0.01
<b>Total</b>	<b>13,925</b>	<b>13,553</b>	<b>372</b>	<b>0.76</b>
<b>Shark PMUS</b>				
Blue shark	29,505	0	29,505	1.61
Mako sharks	1,639	43	1,596	0.09
Thresher sharks	5,620	19	5,601	0.31
Oceanic whitetip shark	131	0	131	0.01
Silky shark	87	0	87	0.00
<b>Total</b>	<b>36,982</b>	<b>62</b>	<b>36,920</b>	<b>2.01</b>
<b>Tuna PMUS</b>				
Albacore	5,116	4,969	147	0.28
Bigeye tuna	61,480	60,423	1,057	3.35
Yellowfin tuna	22,761	22,123	638	1.24
Bluefin tuna	5	5	0	0.00
Skipjack tuna	8,611	8,496	115	0.47
Other tunas	1	1	0	0.00
<b>Total</b>	<b>97,974</b>	<b>96,017</b>	<b>1,957</b>	<b>5.33</b>
<b>Other PMUS</b>				
Mahimahi	7,282	7,217	65	0.40
Moonfish	3,501	3,478	23	0.19
Wahoo	10,089	10,040	49	0.55
Oilfish	3,145	2,260	885	0.17
Pomfret	10,981	10,842	139	0.60
<b>Total</b>	<b>34,998</b>	<b>33,837</b>	<b>1,161</b>	<b>1.91</b>
<b>Total PMUS</b>	<b>183,879</b>	<b>143,469</b>	<b>40,410</b>	<b>10.01</b>
Non-PMUS Sharks	43	0	43	0.00
<b>Total Non-PMUS</b>	<b>4,403</b>	<b>134</b>	<b>4,269</b>	<b>0.24</b>
<b>Total All Species</b>	<b>188,282</b>	<b>143,603</b>	<b>44,679</b>	<b>10.25</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, 2021  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	17
Number of trips (partial or completed)	49
Number of sets	626
Number of hooks set	811,587

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	91	85	6	0.11
Striped marlin	179	172	7	0.22
Shortbill spearfish	102	100	2	0.13
Swordfish	5,700	5,508	192	7.02
Other billfishes	3	3	0	0.00
<b>Total</b>	<b>6,075</b>	<b>5,868</b>	<b>207</b>	<b>7.49</b>
<b>Shark PMUS</b>				
Blue shark	4,501	0	4,501	5.55
Mako sharks	573	26	547	0.71
Thresher sharks	24	2	22	0.03
Oceanic whitetip shark	9	0	9	0.01
Silky shark	3	0	3	0.00
<b>Total</b>	<b>5,110</b>	<b>28</b>	<b>5,082</b>	<b>6.30</b>
<b>Tuna PMUS</b>				
Albacore	368	346	22	0.45
Bigeye tuna	874	835	39	1.08
Yellowfin tuna	1,100	1,074	26	1.36
Bluefin tuna	2	2	0	0.00
Skipjack tuna	47	46	1	0.06
Other tunas	0	0	0	0.00
<b>Total</b>	<b>2,391</b>	<b>2,303</b>	<b>88</b>	<b>2.95</b>
<b>Other PMUS</b>				
Mahimahi	1,245	1,236	9	1.53
Moonfish	21	20	1	0.03
Wahoo	59	59	0	0.07
Oilfish	182	133	49	0.22
Pomfret	37	33	4	0.05
<b>Total</b>	<b>1,544</b>	<b>1,481</b>	<b>63</b>	<b>1.90</b>
<b>Total PMUS</b>	<b>15,120</b>	<b>9,680</b>	<b>5,440</b>	<b>18.63</b>
Non-PMUS Sharks	5	0	5	0.01
<b>Total Non-PMUS</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>0.01</b>
<b>Total All Species</b>	<b>15,126</b>	<b>9,680</b>	<b>5,446</b>	<b>18.64</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, 2021	143		
Set Types	Deep sets	Number of trips (partial or completed) 901		
Fishing Area	All Areas	Number of sets 11,244		
		Number of hooks set 32,953,977		

  

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	3,023	2,995	28	0.09
Striped marlin	4,436	4,394	42	0.13
Shortbill spearfish	7,006	6,889	117	0.21
Swordfish	2,453	2,430	23	0.07
Other billfishes	226	221	5	0.01
<b>Total</b>	<b>17,144</b>	<b>16,929</b>	<b>215</b>	<b>0.52</b>
<b>Shark PMUS</b>				
Blue shark	47,708	0	47,708	1.45
Mako sharks	1,771	17	1,754	0.05
Thresher sharks	7,372	20	7,352	0.22
Oceanic whitetip shark	274	0	274	0.01
Silky shark	129	0	129	0.00
<b>Total</b>	<b>57,254</b>	<b>37</b>	<b>57,217</b>	<b>1.74</b>
<b>Tuna PMUS</b>				
Albacore	4,973	4,848	125	0.15
Bigeye tuna	101,886	100,247	1,639	3.09
Yellowfin tuna	35,701	34,798	903	1.08
Bluefin tuna	3	3	0	0.00
Skipjack tuna	13,965	13,821	144	0.42
Other tunas	1	1	0	0.00
<b>Total</b>	<b>156,529</b>	<b>153,718</b>	<b>2,811</b>	<b>4.75</b>
<b>Other PMUS</b>				
Mahimahi	9,617	9,551	66	0.29
Moonfish	4,025	4,002	23	0.12
Wahoo	17,928	17,867	61	0.54
Oilfish	4,750	3,484	1,266	0.14
Pomfret	16,805	16,637	168	0.51
<b>Total</b>	<b>53,125</b>	<b>51,541</b>	<b>1,584</b>	<b>1.61</b>
<b>Total PMUS</b>	<b>284,052</b>	<b>222,225</b>	<b>61,827</b>	<b>8.62</b>
Non-PMUS Sharks	66	0	66	0.00
<b>Total Non-PMUS</b>	<b>5,041</b>	<b>230</b>	<b>4,811</b>	<b>0.15</b>
<b>Total All Species</b>	<b>289,093</b>	<b>222,455</b>	<b>66,638</b>	<b>8.77</b>