

**The Hawaii - California Pelagic Longline Vessels  
Quarterly Report  
1 April-30 June 2021**

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This quarterly report for the 1 April-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 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 2021  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	143
Number of trips (partial or completed)	515
Number of sets	6,232
Number of hooks set	17,791,056

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	1,841	1,819	22	0.10
Striped marlin	2,378	2,352	26	0.13
Shortbill spearfish	3,213	3,170	43	0.18
Swordfish	3,792	3,710	82	0.21
Other billfishes	107	106	1	0.01
<b>Total</b>	<b>11,331</b>	<b>11,157</b>	<b>174</b>	<b>0.64</b>
<b>Shark PMUS</b>				
Blue shark	25,068	0	25,068	1.41
Mako sharks	865	11	854	0.05
Thresher sharks	4,602	2	4,600	0.26
Oceanic whitetip shark	148	0	148	0.01
Silky shark	74	0	74	0.00
<b>Total</b>	<b>30,757</b>	<b>13</b>	<b>30,744</b>	<b>1.73</b>
<b>Tuna PMUS</b>				
Albacore	1,866	1,849	17	0.10
Bigeye tuna	38,645	38,249	396	2.17
Yellowfin tuna	13,981	13,760	221	0.79
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,127	5,075	52	0.29
Other tunas	1	1	0	0.00
<b>Total</b>	<b>59,620</b>	<b>58,934</b>	<b>686</b>	<b>3.35</b>
<b>Other PMUS</b>				
Mahimahi	4,743	4,699	44	0.27
Moonfish	1,544	1,539	5	0.09
Wahoo	13,775	13,729	46	0.77
Oilfish	2,447	2,009	438	0.14
Pomfret	7,777	7,714	63	0.44
<b>Total</b>	<b>30,286</b>	<b>29,690</b>	<b>596</b>	<b>1.70</b>
<b>Total PMUS</b>	<b>131,994</b>	<b>99,794</b>	<b>32,200</b>	<b>7.42</b>
Non-PMUS Sharks	40	0	40	0.00
<b>Total Non-PMUS</b>	<b>2,789</b>	<b>141</b>	<b>2,648</b>	<b>0.16</b>
<b>Total All Species</b>	<b>134,783</b>	<b>99,935</b>	<b>34,848</b>	<b>7.58</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 2021  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	125
Number of trips (partial or completed)	351
Number of sets	2,589
Number of hooks set	7,293,718

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	769	756	13	0.11
Striped marlin	852	845	7	0.12
Shortbill spearfish	1,521	1,518	3	0.21
Swordfish	1,179	1,168	11	0.16
Other billfishes	47	47	0	0.01
<b>Total</b>	<b>4,368</b>	<b>4,334</b>	<b>34</b>	<b>0.60</b>
<b>Shark PMUS</b>				
Blue shark	9,041	0	9,041	1.24
Mako sharks	284	0	284	0.04
Thresher sharks	731	0	731	0.10
Oceanic whitetip shark	58	0	58	0.01
Silky shark	22	0	22	0.00
<b>Total</b>	<b>10,136</b>	<b>0</b>	<b>10,136</b>	<b>1.39</b>
<b>Tuna PMUS</b>				
Albacore	65	65	0	0.01
Bigeye tuna	13,946	13,833	113	1.91
Yellowfin tuna	5,050	4,981	69	0.69
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,799	1,782	17	0.25
Other tunas	0	0	0	0.00
<b>Total</b>	<b>20,860</b>	<b>20,661</b>	<b>199</b>	<b>2.86</b>
<b>Other PMUS</b>				
Mahimahi	841	840	1	0.12
Moonfish	235	234	1	0.03
Wahoo	5,682	5,672	10	0.78
Oilfish	808	692	116	0.11
Pomfret	2,564	2,551	13	0.35
<b>Total</b>	<b>10,130</b>	<b>9,989</b>	<b>141</b>	<b>1.39</b>
<b>Total PMUS</b>	<b>45,494</b>	<b>34,984</b>	<b>10,510</b>	<b>6.24</b>
Non-PMUS Sharks	14	0	14	0.00
<b>Total Non-PMUS</b>	<b>98</b>	<b>48</b>	<b>50</b>	<b>0.01</b>
<b>Total All Species</b>	<b>45,592</b>	<b>35,032</b>	<b>10,560</b>	<b>6.25</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**

Time Period 1 April-30 June 2021  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

Number of vessels active	136
Number of trips (partial or completed)	403
Number of sets	3,643
Number of hooks set	10,497,338

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	1,072	1,063	9	0.10
Striped marlin	1,526	1,507	19	0.15
Shortbill spearfish	1,692	1,652	40	0.16
Swordfish	2,613	2,542	71	0.25
Other billfishes	60	59	1	0.01
<b>Total</b>	<b>6,963</b>	<b>6,823</b>	<b>140</b>	<b>0.66</b>
<b>Shark PMUS</b>				
Blue shark	16,027	0	16,027	1.53
Mako sharks	581	11	570	0.06
Thresher sharks	3,871	2	3,869	0.37
Oceanic whitetip shark	90	0	90	0.01
Silky shark	52	0	52	0.00
<b>Total</b>	<b>20,621</b>	<b>13</b>	<b>20,608</b>	<b>1.96</b>
<b>Tuna PMUS</b>				
Albacore	1,801	1,784	17	0.17
Bigeye tuna	24,699	24,416	283	2.35
Yellowfin tuna	8,931	8,779	152	0.85
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,328	3,293	35	0.32
Other tunas	1	1	0	0.00
<b>Total</b>	<b>38,760</b>	<b>38,273</b>	<b>487</b>	<b>3.69</b>
<b>Other PMUS</b>				
Mahimahi	3,902	3,859	43	0.37
Moonfish	1,309	1,305	4	0.12
Wahoo	8,093	8,057	36	0.77
Oilfish	1,639	1,317	322	0.16
Pomfret	5,213	5,163	50	0.50
<b>Total</b>	<b>20,156</b>	<b>19,701</b>	<b>455</b>	<b>1.92</b>
<b>Total PMUS</b>	<b>86,500</b>	<b>64,810</b>	<b>21,690</b>	<b>8.24</b>
Non-PMUS Sharks	26	0	26	0.00
<b>Total Non-PMUS</b>	<b>2,691</b>	<b>93</b>	<b>2,598</b>	<b>0.26</b>
<b>Total All Species</b>	<b>89,191</b>	<b>64,903</b>	<b>24,288</b>	<b>8.50</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**

Time Period 1 April-30 June 2021  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	16
Number of trips (partial or completed)	28
Number of sets	304
Number of hooks set	402,180

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	83	82	1	0.21
Striped marlin	150	150	0	0.37
Shortbill spearfish	88	87	1	0.22
Swordfish	1,888	1,821	67	4.69
Other billfishes	3	3	0	0.01
<b>Total</b>	<b>2,212</b>	<b>2,143</b>	<b>69</b>	<b>5.50</b>
<b>Shark PMUS</b>				
Blue shark	2,035	0	2,035	5.06
Mako sharks	174	0	174	0.43
Thresher sharks	14	0	14	0.03
Oceanic whitetip shark	9	0	9	0.02
Silky shark	3	0	3	0.01
<b>Total</b>	<b>2,235</b>	<b>0</b>	<b>2,235</b>	<b>5.56</b>
<b>Tuna PMUS</b>				
Albacore	11	11	0	0.03
Bigeye tuna	236	232	4	0.59
Yellowfin tuna	539	534	5	1.34
Bluefin tuna	0	0	0	0.00
Skipjack tuna	19	19	0	0.05
Other tunas	0	0	0	0.00
<b>Total</b>	<b>805</b>	<b>796</b>	<b>9</b>	<b>2.00</b>
<b>Other PMUS</b>				
Mahimahi	913	909	4	2.27
Moonfish	5	5	0	0.01
Wahoo	50	50	0	0.12
Oilfish	137	105	32	0.34
Pomfret	37	33	4	0.09
<b>Total</b>	<b>1,142</b>	<b>1,102</b>	<b>40</b>	<b>2.84</b>
<b>Total PMUS</b>	<b>6,394</b>	<b>4,041</b>	<b>2,353</b>	<b>15.90</b>
Non-PMUS Sharks	4	0	4	0.01
<b>Total Non-PMUS</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0.01</b>
<b>Total All Species</b>	<b>6,398</b>	<b>4,041</b>	<b>2,357</b>	<b>15.91</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		Summary Statistics		
Time Period	1 April-30 June 2021	Number of vessels active	141	
Set Types	Deep sets	Number of trips (partial or completed)	487	
Fishing Area	All Areas	Number of sets	5,928	
		Number of hooks set	17,388,876	

  

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	1,758	1,737	21	0.10
Striped marlin	2,228	2,202	26	0.13
Shortbill spearfish	3,125	3,083	42	0.18
Swordfish	1,904	1,889	15	0.11
Other billfishes	104	103	1	0.01
<b>Total</b>	<b>9,119</b>	<b>9,014</b>	<b>105</b>	<b>0.52</b>
<b>Shark PMUS</b>				
Blue shark	23,033	0	23,033	1.32
Mako sharks	691	11	680	0.04
Thresher sharks	4,588	2	4,586	0.26
Oceanic whitetip shark	139	0	139	0.01
Silky shark	71	0	71	0.00
<b>Total</b>	<b>28,522</b>	<b>13</b>	<b>28,509</b>	<b>1.64</b>
<b>Tuna PMUS</b>				
Albacore	1,855	1,838	17	0.11
Bigeye tuna	38,409	38,017	392	2.21
Yellowfin tuna	13,442	13,226	216	0.77
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,108	5,056	52	0.29
Other tunas	1	1	0	0.00
<b>Total</b>	<b>58,815</b>	<b>58,138</b>	<b>677</b>	<b>3.38</b>
<b>Other PMUS</b>				
Mahimahi	3,830	3,790	40	0.22
Moonfish	1,539	1,534	5	0.09
Wahoo	13,725	13,679	46	0.79
Oilfish	2,310	1,904	406	0.13
Pomfret	7,740	7,681	59	0.45
<b>Total</b>	<b>29,144</b>	<b>28,588</b>	<b>556</b>	<b>1.68</b>
<b>Total PMUS</b>	<b>125,600</b>	<b>95,753</b>	<b>29,847</b>	<b>7.22</b>
Non-PMUS Sharks	36	0	36	0.00
<b>Total Non-PMUS</b>	<b>2,785</b>	<b>141</b>	<b>2,644</b>	<b>0.16</b>
<b>Total All Species</b>	<b>128,385</b>	<b>95,894</b>	<b>32,491</b>	<b>7.38</b>