

**The Hawaii - California Pelagic Longline Vessels  
Quarterly Report  
1 October-31 December 2021**

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This quarterly report for the 1 October-31 December 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 October-31 December 2021  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	138
Number of trips (partial or completed)	460
Number of sets	5,501
Number of hooks set	16,274,955

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	1,811	1,780	31	0.11
Striped marlin	3,567	3,526	41	0.22
Shortbill spearfish	2,748	2,692	56	0.17
Swordfish	1,611	1,563	48	0.10
Other billfishes	240	240	0	0.01
<b>Total</b>	<b>9,977</b>	<b>9,801</b>	<b>176</b>	<b>0.61</b>
<b>Shark PMUS</b>				
Blue shark	20,348	0	20,348	1.25
Mako sharks	890	16	874	0.05
Thresher sharks	940	4	936	0.06
Oceanic whitetip shark	119	0	119	0.01
Silky shark	52	0	52	0.00
<b>Total</b>	<b>22,349</b>	<b>20</b>	<b>22,329</b>	<b>1.37</b>
<b>Tuna PMUS</b>				
Albacore	2,563	2,538	25	0.16
Bigeye tuna	48,369	47,083	1,286	2.97
Yellowfin tuna	25,131	24,051	1,080	1.54
Bluefin tuna	3	3	0	0.00
Skipjack tuna	1,993	1,971	22	0.12
Other tunas	0	0	0	0.00
<b>Total</b>	<b>78,059</b>	<b>75,646</b>	<b>2,413</b>	<b>4.80</b>
<b>Other PMUS</b>				
Mahimahi	8,264	8,172	92	0.51
Moonfish	2,262	2,261	1	0.14
Wahoo	6,135	6,100	35	0.38
Oilfish	2,898	2,408	490	0.18
Pomfret	8,391	8,221	170	0.52
<b>Total</b>	<b>27,950</b>	<b>27,162</b>	<b>788</b>	<b>1.72</b>
<b>Total PMUS</b>	<b>138,335</b>	<b>112,629</b>	<b>25,706</b>	<b>8.50</b>
Non-PMUS Sharks	66	0	66	0.00
<b>Total Non-PMUS</b>	<b>1,886</b>	<b>23</b>	<b>1,863</b>	<b>0.12</b>
<b>Total All Species</b>	<b>140,221</b>	<b>112,652</b>	<b>27,569</b>	<b>8.62</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 October-31 December 2021  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	115
Number of trips (partial or completed)	249
Number of sets	1,937
Number of hooks set	5,741,544

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	778	770	8	0.14
Striped marlin	1,644	1,624	20	0.29
Shortbill spearfish	1,009	999	10	0.18
Swordfish	208	200	8	0.04
Other billfishes	84	84	0	0.01
<b>Total</b>	<b>3,723</b>	<b>3,677</b>	<b>46</b>	<b>0.65</b>
<b>Shark PMUS</b>				
Blue shark	7,519	0	7,519	1.31
Mako sharks	166	0	166	0.03
Thresher sharks	284	0	284	0.05
Oceanic whitetip shark	32	0	32	0.01
Silky shark	7	0	7	0.00
<b>Total</b>	<b>8,008</b>	<b>0</b>	<b>8,008</b>	<b>1.39</b>
<b>Tuna PMUS</b>				
Albacore	91	91	0	0.02
Bigeye tuna	14,420	14,003	417	2.51
Yellowfin tuna	8,358	7,946	412	1.46
Bluefin tuna	1	1	0	0.00
Skipjack tuna	578	566	12	0.10
Other tunas	0	0	0	0.00
<b>Total</b>	<b>23,448</b>	<b>22,607</b>	<b>841</b>	<b>4.08</b>
<b>Other PMUS</b>				
Mahimahi	1,967	1,928	39	0.34
Moonfish	155	155	0	0.03
Wahoo	1,507	1,503	4	0.26
Oilfish	1,327	1,120	207	0.23
Pomfret	2,492	2,434	58	0.43
<b>Total</b>	<b>7,448</b>	<b>7,140</b>	<b>308</b>	<b>1.30</b>
<b>Total PMUS</b>	<b>42,627</b>	<b>33,424</b>	<b>9,203</b>	<b>7.42</b>
Non-PMUS Sharks	10	0	10	0.00
<b>Total Non-PMUS</b>	<b>1,060</b>	<b>11</b>	<b>1,049</b>	<b>0.18</b>
<b>Total All Species</b>	<b>43,687</b>	<b>33,435</b>	<b>10,252</b>	<b>7.61</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		Number of vessels active		
Time Period	1 October-31 December 2021	136		
Set Types	All sets	372		
Fishing Area	Outside U.S. EEZ	3,564		
		10,533,411		

  

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	1,033	1,010	23	0.10
Striped marlin	1,923	1,902	21	0.18
Shortbill spearfish	1,739	1,693	46	0.17
Swordfish	1,403	1,363	40	0.13
Other billfishes	156	156	0	0.01
<b>Total</b>	<b>6,254</b>	<b>6,124</b>	<b>130</b>	<b>0.59</b>
<b>Shark PMUS</b>				
Blue shark	12,829	0	12,829	1.22
Mako sharks	724	16	708	0.07
Thresher sharks	656	4	652	0.06
Oceanic whitetip shark	87	0	87	0.01
Silky shark	45	0	45	0.00
<b>Total</b>	<b>14,341</b>	<b>20</b>	<b>14,321</b>	<b>1.36</b>
<b>Tuna PMUS</b>				
Albacore	2,472	2,447	25	0.23
Bigeye tuna	33,949	33,080	869	3.22
Yellowfin tuna	16,773	16,105	668	1.59
Bluefin tuna	2	2	0	0.00
Skipjack tuna	1,415	1,405	10	0.13
Other tunas	0	0	0	0.00
<b>Total</b>	<b>54,611</b>	<b>53,039</b>	<b>1,572</b>	<b>5.18</b>
<b>Other PMUS</b>				
Mahimahi	6,297	6,244	53	0.60
Moonfish	2,107	2,106	1	0.20
Wahoo	4,628	4,597	31	0.44
Oilfish	1,571	1,288	283	0.15
Pomfret	5,899	5,787	112	0.56
<b>Total</b>	<b>20,502</b>	<b>20,022</b>	<b>480</b>	<b>1.95</b>
<b>Total PMUS</b>	<b>95,708</b>	<b>79,205</b>	<b>16,503</b>	<b>9.09</b>
Non-PMUS Sharks	56	0	56	0.01
<b>Total Non-PMUS</b>	<b>826</b>	<b>12</b>	<b>814</b>	<b>0.08</b>
<b>Total All Species</b>	<b>96,534</b>	<b>79,217</b>	<b>17,317</b>	<b>9.16</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 October-31 December 2021  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	6
Number of trips (partial or completed)	8
Number of sets	77
Number of hooks set	98,824

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	0	0	0	0.00
Striped marlin	13	13	0	0.13
Shortbill spearfish	1	1	0	0.01
Swordfish	798	777	21	8.07
Other billfishes	1	1	0	0.01
<b>Total</b>	<b>813</b>	<b>792</b>	<b>21</b>	<b>8.23</b>
<b>Shark PMUS</b>				
Blue shark	891	0	891	9.02
Mako sharks	214	0	214	2.17
Thresher sharks	0	0	0	0.00
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
<b>Total</b>	<b>1,105</b>	<b>0</b>	<b>1,105</b>	<b>11.18</b>
<b>Tuna PMUS</b>				
Albacore	258	258	0	2.61
Bigeye tuna	99	99	0	1.00
Yellowfin tuna	61	57	4	0.62
Bluefin tuna	0	0	0	0.00
Skipjack tuna	0	0	0	0.00
Other tunas	0	0	0	0.00
<b>Total</b>	<b>418</b>	<b>414</b>	<b>4</b>	<b>4.23</b>
<b>Other PMUS</b>				
Mahimahi	7	7	0	0.07
Moonfish	3	3	0	0.03
Wahoo	2	2	0	0.02
Oilfish	3	2	1	0.03
Pomfret	0	0	0	0.00
<b>Total</b>	<b>15</b>	<b>14</b>	<b>1</b>	<b>0.15</b>
<b>Total PMUS</b>	<b>2,351</b>	<b>1,220</b>	<b>1,131</b>	<b>23.79</b>
Non-PMUS Sharks	0	0	0	0.00
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>2,351</b>	<b>1,220</b>	<b>1,131</b>	<b>23.79</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		Number of vessels active		
Time Period	1 October-31 December 2021	137		
Set Types	Deep sets	452		
Fishing Area	All Areas	5,424		
		16,176,131		

  

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	1,811	1,780	31	0.11
Striped marlin	3,554	3,513	41	0.22
Shortbill spearfish	2,747	2,691	56	0.17
Swordfish	813	786	27	0.05
Other billfishes	239	239	0	0.01
<b>Total</b>	<b>9,164</b>	<b>9,009</b>	<b>155</b>	<b>0.57</b>
<b>Shark PMUS</b>				
Blue shark	19,457	0	19,457	1.20
Mako sharks	676	16	660	0.04
Thresher sharks	940	4	936	0.06
Oceanic whitetip shark	119	0	119	0.01
Silky shark	52	0	52	0.00
<b>Total</b>	<b>21,244</b>	<b>20</b>	<b>21,224</b>	<b>1.31</b>
<b>Tuna PMUS</b>				
Albacore	2,305	2,280	25	0.14
Bigeye tuna	48,270	46,984	1,286	2.98
Yellowfin tuna	25,070	23,994	1,076	1.55
Bluefin tuna	3	3	0	0.00
Skipjack tuna	1,993	1,971	22	0.12
Other tunas	0	0	0	0.00
<b>Total</b>	<b>77,641</b>	<b>75,232</b>	<b>2,409</b>	<b>4.80</b>
<b>Other PMUS</b>				
Mahimahi	8,257	8,165	92	0.51
Moonfish	2,259	2,258	1	0.14
Wahoo	6,133	6,098	35	0.38
Oilfish	2,895	2,406	489	0.18
Pomfret	8,391	8,221	170	0.52
<b>Total</b>	<b>27,935</b>	<b>27,148</b>	<b>787</b>	<b>1.73</b>
<b>Total PMUS</b>	<b>135,984</b>	<b>111,409</b>	<b>24,575</b>	<b>8.41</b>
Non-PMUS Sharks	66	0	66	0.00
<b>Total Non-PMUS</b>	<b>1,886</b>	<b>23</b>	<b>1,863</b>	<b>0.12</b>
<b>Total All Species</b>	<b>137,870</b>	<b>111,432</b>	<b>26,438</b>	<b>8.52</b>