

**The Hawaii - California Pelagic Longline Vessels  
Quarterly Report  
1 January-31 March 2020**

Fisheries Research and Monitoring Division (FRMD)  
Pacific Islands Fisheries Science Center (PIFSC), NOAA Fisheries  
NOAA Inouye Regional Center  
1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

This quarterly report for the period 1 January-31 March 2020 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 2021. 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 1,000 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, 2021: Hawaii Longline Logbook, <https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2021: 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 1,000 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-31 March 2020  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	144
Number of trips (partial or completed)	465
Number of sets	5,445
Number of hooks set	15,247,049

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	1,968	1,959	9	0.13
Striped marlin	4,116	4,055	61	0.27
Shortbill spearfish	3,780	3,734	46	0.25
Swordfish	3,371	3,269	102	0.22
Other billfishes	110	107	3	0.01
<b>Total</b>	<b>13,345</b>	<b>13,124</b>	<b>221</b>	<b>0.88</b>
<b>Shark PMUS</b>				
Blue shark	24,175	0	24,175	1.59
Mako sharks	1,387	20	1,367	0.09
Thresher sharks	2,466	7	2,459	0.16
Oceanic whitetip shark	96	0	96	0.01
Silky shark	46	0	46	0.00
<b>Total</b>	<b>28,170</b>	<b>27</b>	<b>28,143</b>	<b>1.85</b>
<b>Tuna PMUS</b>				
Albacore	1,207	1,105	102	0.08
Bigeye tuna	62,582	60,844	1,738	4.10
Yellowfin tuna	14,250	13,770	480	0.93
Bluefin tuna	13	13	0	0.00
Skipjack tuna	3,840	3,807	33	0.25
Other tunas	0	0	0	0.00
<b>Total</b>	<b>81,892</b>	<b>79,539</b>	<b>2,353</b>	<b>5.37</b>
<b>Other PMUS</b>				
Mahimahi	3,726	3,701	25	0.24
Moonfish	4,625	4,528	97	0.30
Wahoo	5,516	5,500	16	0.36
Oilfish	4,718	3,691	1,027	0.31
Pomfret	10,523	10,445	78	0.69
<b>Total</b>	<b>29,108</b>	<b>27,865</b>	<b>1,243</b>	<b>1.91</b>
<b>Total PMUS</b>	<b>152,515</b>	<b>120,555</b>	<b>31,960</b>	<b>10.00</b>
Non-PMUS Sharks	73	0	73	0.00
<b>Total Non-PMUS</b>	<b>1,881</b>	<b>22</b>	<b>1,859</b>	<b>0.12</b>
<b>Total All Species</b>	<b>154,396</b>	<b>120,577</b>	<b>33,819</b>	<b>10.13</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 1,000 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-31 March 2020  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	98
Number of trips (partial or completed)	158
Number of sets	1,086
Number of hooks set	3,029,187

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	486	486	0	0.16
Striped marlin	1,042	1,032	10	0.34
Shortbill spearfish	790	787	3	0.26
Swordfish	85	82	3	0.03
Other billfishes	26	24	2	0.01
<b>Total</b>	<b>2,429</b>	<b>2,411</b>	<b>18</b>	<b>0.80</b>
<b>Shark PMUS</b>				
Blue shark	4,232	0	4,232	1.40
Mako sharks	191	0	191	0.06
Thresher sharks	240	3	237	0.08
Oceanic whitetip shark	14	0	14	0.00
Silky shark	2	0	2	0.00
<b>Total</b>	<b>4,679</b>	<b>3</b>	<b>4,676</b>	<b>1.54</b>
<b>Tuna PMUS</b>				
Albacore	23	23	0	0.01
Bigeye tuna	10,029	9,774	255	3.31
Yellowfin tuna	1,566	1,552	14	0.52
Bluefin tuna	0	0	0	0.00
Skipjack tuna	555	553	2	0.18
Other tunas	0	0	0	0.00
<b>Total</b>	<b>12,173</b>	<b>11,902</b>	<b>271</b>	<b>4.02</b>
<b>Other PMUS</b>				
Mahimahi	495	484	11	0.16
Moonfish	373	373	0	0.12
Wahoo	374	373	1	0.12
Oilfish	805	746	59	0.27
Pomfret	2,127	2,111	16	0.70
<b>Total</b>	<b>4,174</b>	<b>4,087</b>	<b>87</b>	<b>1.38</b>
<b>Total PMUS</b>	<b>23,455</b>	<b>18,403</b>	<b>5,052</b>	<b>7.74</b>
Non-PMUS Sharks	20	0	20	0.01
<b>Total Non-PMUS</b>	<b>317</b>	<b>1</b>	<b>316</b>	<b>0.10</b>
<b>Total All Species</b>	<b>23,772</b>	<b>18,404</b>	<b>5,368</b>	<b>7.85</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 1,000 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-31 March 2020  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

Number of vessels active	142
Number of trips (partial or completed)	414
Number of sets	4,359
Number of hooks set	12,217,862

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	1,482	1,473	9	0.12
Striped marlin	3,074	3,023	51	0.25
Shortbill spearfish	2,990	2,947	43	0.24
Swordfish	3,286	3,187	99	0.27
Other billfishes	84	83	1	0.01
<b>Total</b>	<b>10,916</b>	<b>10,713</b>	<b>203</b>	<b>0.89</b>
<b>Shark PMUS</b>				
Blue shark	19,943	0	19,943	1.63
Mako sharks	1,196	20	1,176	0.10
Thresher sharks	2,226	4	2,222	0.18
Oceanic whitetip shark	82	0	82	0.01
Silky shark	44	0	44	0.00
<b>Total</b>	<b>23,491</b>	<b>24</b>	<b>23,467</b>	<b>1.92</b>
<b>Tuna PMUS</b>				
Albacore	1,184	1,082	102	0.10
Bigeye tuna	52,553	51,070	1,483	4.30
Yellowfin tuna	12,684	12,218	466	1.04
Bluefin tuna	13	13	0	0.00
Skipjack tuna	3,285	3,254	31	0.27
Other tunas	0	0	0	0.00
<b>Total</b>	<b>69,719</b>	<b>67,637</b>	<b>2,082</b>	<b>5.71</b>
<b>Other PMUS</b>				
Mahimahi	3,231	3,217	14	0.26
Moonfish	4,252	4,155	97	0.35
Wahoo	5,142	5,127	15	0.42
Oilfish	3,913	2,945	968	0.32
Pomfret	8,396	8,334	62	0.69
<b>Total</b>	<b>24,934</b>	<b>23,778</b>	<b>1,156</b>	<b>2.04</b>
<b>Total PMUS</b>	<b>129,060</b>	<b>102,152</b>	<b>26,908</b>	<b>10.56</b>
Non-PMUS Sharks	53	0	53	0.00
<b>Total Non-PMUS</b>	<b>1,564</b>	<b>21</b>	<b>1,543</b>	<b>0.13</b>
<b>Total All Species</b>	<b>130,624</b>	<b>102,173</b>	<b>28,451</b>	<b>10.69</b>