

**The Hawaii - California Pelagic Longline Vessels  
Quarterly Report  
1 January-31 March 2021**

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This quarterly report for the 1 January-31 March 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 January-31 March 2021	Number of vessels active	139	
Set Types	All sets	Number of trips (partial or completed)	504	
Fishing Area	All Areas	Number of sets	5,638	
		Number of hooks set	15,974,508	
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	1,273	1,261	12	0.08
Striped marlin	2,237	2,214	23	0.14
Shortbill spearfish	3,895	3,819	76	0.24
Swordfish	4,361	4,228	133	0.27
Other billfishes	122	118	4	0.01
<b>Total</b>	<b>11,888</b>	<b>11,640</b>	<b>248</b>	<b>0.74</b>
<b>Shark PMUS</b>				
Blue shark	27,141	0	27,141	1.70
Mako sharks	1,479	32	1,447	0.09
Thresher sharks	2,794	20	2,774	0.17
Oceanic whitetip shark	135	0	135	0.01
Silky shark	58	0	58	0.00
<b>Total</b>	<b>31,607</b>	<b>52</b>	<b>31,555</b>	<b>1.98</b>
<b>Tuna PMUS</b>				
Albacore	3,475	3,345	130	0.22
Bigeye tuna	64,115	62,833	1,282	4.01
Yellowfin tuna	22,820	22,112	708	1.43
Bluefin tuna	5	5	0	0.00
Skipjack tuna	8,885	8,792	93	0.56
Other tunas	0	0	0	0.00
<b>Total</b>	<b>99,300</b>	<b>97,087</b>	<b>2,213</b>	<b>6.22</b>
<b>Other PMUS</b>				
Mahimahi	6,119	6,088	31	0.38
Moonfish	2,502	2,483	19	0.16
Wahoo	4,212	4,197	15	0.26
Oilfish	2,485	1,608	877	0.16
Pomfret	9,065	8,956	109	0.57
<b>Total</b>	<b>24,383</b>	<b>23,332</b>	<b>1,051</b>	<b>1.53</b>
<b>Total PMUS</b>	<b>167,178</b>	<b>132,111</b>	<b>35,067</b>	<b>10.47</b>
Non-PMUS Sharks	31	0	31	0.00
<b>Total Non-PMUS</b>	<b>2,258</b>	<b>89</b>	<b>2,169</b>	<b>0.14</b>
<b>Total All Species</b>	<b>169,436</b>	<b>132,200</b>	<b>37,236</b>	<b>10.61</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 January-31 March 2021	Number of vessels active	118	
Set Types	All sets	Number of trips (partial or completed)	360	
Fishing Area	Inside U.S. EEZ	Number of sets	2,785	
		Number of hooks set	8,106,277	
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	746	743	3	0.09
Striped marlin	1,500	1,497	3	0.19
Shortbill spearfish	2,388	2,382	6	0.29
Swordfish	209	205	4	0.03
Other billfishes	83	83	0	0.01
<b>Total</b>	<b>4,926</b>	<b>4,910</b>	<b>16</b>	<b>0.61</b>
<b>Shark PMUS</b>				
Blue shark	13,663	0	13,663	1.69
Mako sharks	421	0	421	0.05
Thresher sharks	1,045	3	1,042	0.13
Oceanic whitetip shark	94	0	94	0.01
Silky shark	23	0	23	0.00
<b>Total</b>	<b>15,246</b>	<b>3</b>	<b>15,243</b>	<b>1.88</b>
<b>Tuna PMUS</b>				
Albacore	160	160	0	0.02
Bigeye tuna	27,334	26,826	508	3.37
Yellowfin tuna	8,990	8,768	222	1.11
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,602	3,589	13	0.44
Other tunas	0	0	0	0.00
<b>Total</b>	<b>40,086</b>	<b>39,343</b>	<b>743</b>	<b>4.95</b>
<b>Other PMUS</b>				
Mahimahi	2,739	2,730	9	0.34
Moonfish	310	310	0	0.04
Wahoo	2,216	2,214	2	0.27
Oilfish	979	665	314	0.12
Pomfret	3,297	3,277	20	0.41
<b>Total</b>	<b>9,541</b>	<b>9,196</b>	<b>345</b>	<b>1.18</b>
<b>Total PMUS</b>	<b>69,799</b>	<b>53,452</b>	<b>16,347</b>	<b>8.61</b>
Non-PMUS Sharks	14	0	14	0.00
<b>Total Non-PMUS</b>	<b>546</b>	<b>48</b>	<b>498</b>	<b>0.07</b>
<b>Total All Species</b>	<b>70,345</b>	<b>53,500</b>	<b>16,845</b>	<b>8.68</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 January-31 March 2021	Number of vessels active		133
Set Types	All sets	Number of trips (partial or completed)		342
Fishing Area	Outside U.S. EEZ	Number of sets		2,853
		Number of hooks set		7,868,231
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	527	518	9	0.07
Striped marlin	737	717	20	0.09
Shortbill spearfish	1,507	1,437	70	0.19
Swordfish	4,152	4,023	129	0.53
Other billfishes	39	35	4	0.00
<b>Total</b>	<b>6,962</b>	<b>6,730</b>	<b>232</b>	<b>0.88</b>
<b>Shark PMUS</b>				
Blue shark	13,478	0	13,478	1.71
Mako sharks	1,058	32	1,026	0.13
Thresher sharks	1,749	17	1,732	0.22
Oceanic whitetip shark	41	0	41	0.01
Silky shark	35	0	35	0.00
<b>Total</b>	<b>16,361</b>	<b>49</b>	<b>16,312</b>	<b>2.08</b>
<b>Tuna PMUS</b>				
Albacore	3,315	3,185	130	0.42
Bigeye tuna	36,781	36,007	774	4.67
Yellowfin tuna	13,830	13,344	486	1.76
Bluefin tuna	5	5	0	0.00
Skipjack tuna	5,283	5,203	80	0.67
Other tunas	0	0	0	0.00
<b>Total</b>	<b>59,214</b>	<b>57,744</b>	<b>1,470</b>	<b>7.53</b>
<b>Other PMUS</b>				
Mahimahi	3,380	3,358	22	0.43
Moonfish	2,192	2,173	19	0.28
Wahoo	1,996	1,983	13	0.25
Oilfish	1,506	943	563	0.19
Pomfret	5,768	5,679	89	0.73
<b>Total</b>	<b>14,842</b>	<b>14,136</b>	<b>706</b>	<b>1.89</b>
<b>Total PMUS</b>	<b>97,379</b>	<b>78,659</b>	<b>18,720</b>	<b>12.38</b>
Non-PMUS Sharks	17	0	17	0.00
<b>Total Non-PMUS</b>	<b>1,712</b>	<b>41</b>	<b>1,671</b>	<b>0.22</b>
<b>Total All Species</b>	<b>99,091</b>	<b>78,700</b>	<b>20,391</b>	<b>12.59</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 January-31 March 2021	Number of vessels active		14
Set Types	Shallow sets	Number of trips (partial or completed)		27
Fishing Area	All Areas	Number of sets		322
		Number of hooks set		409,407
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	8	3	5	0.02
Striped marlin	29	22	7	0.07
Shortbill spearfish	14	13	1	0.03
Swordfish	3,812	3,687	125	9.31
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>3,863</b>	<b>3,725</b>	<b>138</b>	<b>9.44</b>
<b>Shark PMUS</b>				
Blue shark	2,466	0	2,466	6.02
Mako sharks	399	26	373	0.97
Thresher sharks	10	2	8	0.02
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
<b>Total</b>	<b>2,875</b>	<b>28</b>	<b>2,847</b>	<b>7.02</b>
<b>Tuna PMUS</b>				
Albacore	357	335	22	0.87
Bigeye tuna	638	603	35	1.56
Yellowfin tuna	561	540	21	1.37
Bluefin tuna	2	2	0	0.00
Skipjack tuna	28	27	1	0.07
Other tunas	0	0	0	0.00
<b>Total</b>	<b>1,586</b>	<b>1,507</b>	<b>79</b>	<b>3.87</b>
<b>Other PMUS</b>				
Mahimahi	332	327	5	0.81
Moonfish	16	15	1	0.04
Wahoo	9	9	0	0.02
Oilfish	45	28	17	0.11
Pomfret	0	0	0	0.00
<b>Total</b>	<b>402</b>	<b>379</b>	<b>23</b>	<b>0.98</b>
<b>Total PMUS</b>	<b>8,726</b>	<b>5,639</b>	<b>3,087</b>	<b>21.31</b>
Non-PMUS Sharks	1	0	1	0.00
<b>Total Non-PMUS</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0.00</b>
<b>Total All Species</b>	<b>8,728</b>	<b>5,639</b>	<b>3,089</b>	<b>21.32</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				
Time Period	1 January-31 March 2021	Number of vessels active	134	
Set Types	Deep sets	Number of trips (partial or completed)	477	
Fishing Area	All Areas	Number of sets	5,316	
		Number of hooks set	15,565,101	
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	1,265	1,258	7	0.08
Striped marlin	2,208	2,192	16	0.14
Shortbill spearfish	3,881	3,806	75	0.25
Swordfish	549	541	8	0.04
Other billfishes	122	118	4	0.01
<b>Total</b>	<b>8,025</b>	<b>7,915</b>	<b>110</b>	<b>0.52</b>
<b>Shark PMUS</b>				
Blue shark	24,675	0	24,675	1.59
Mako sharks	1,080	6	1,074	0.07
Thresher sharks	2,784	18	2,766	0.18
Oceanic whitetip shark	135	0	135	0.01
Silky shark	58	0	58	0.00
<b>Total</b>	<b>28,732</b>	<b>24</b>	<b>28,708</b>	<b>1.85</b>
<b>Tuna PMUS</b>				
Albacore	3,118	3,010	108	0.20
Bigeye tuna	63,477	62,230	1,247	4.08
Yellowfin tuna	22,259	21,572	687	1.43
Bluefin tuna	3	3	0	0.00
Skipjack tuna	8,857	8,765	92	0.57
Other tunas	0	0	0	0.00
<b>Total</b>	<b>97,714</b>	<b>95,580</b>	<b>2,134</b>	<b>6.28</b>
<b>Other PMUS</b>				
Mahimahi	5,787	5,761	26	0.37
Moonfish	2,486	2,468	18	0.16
Wahoo	4,203	4,188	15	0.27
Oilfish	2,440	1,580	860	0.16
Pomfret	9,065	8,956	109	0.58
<b>Total</b>	<b>23,981</b>	<b>22,953</b>	<b>1,028</b>	<b>1.54</b>
<b>Total PMUS</b>	<b>158,452</b>	<b>126,472</b>	<b>31,980</b>	<b>10.18</b>
Non-PMUS Sharks	30	0	30	0.00
<b>Total Non-PMUS</b>	<b>2,256</b>	<b>89</b>	<b>2,167</b>	<b>0.14</b>
<b>Total All Species</b>	<b>160,708</b>	<b>126,561</b>	<b>34,147</b>	<b>10.32</b>