

**The Hawaii - California Longline Limited-entry Fishery  
Quarterly Report  
1 January - 31 March, 2018<sup>1</sup>**

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This quarterly report for the period 1 January - 31 March, 2018, contains summary data of fishing effort and catch statistics as reported on longline log sheets for the Hawaii - California longline limited-entry fishery. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS\_REPORT\_STATS\_PRELIM\_HC, representing preliminary data received as of 07 September 2019. 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, etc.).

The following tables show fishery statistics for the stated time period, area, and set type, and includes effort (number of vessels, trips, sets, and hooks set), and 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.

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<sup>1</sup>PIFSC Data Report DR-19-043. Issued 12 Dec 2019  
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**Table 1.** Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with 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		Number of vessels active			137
Time Period	1 January - 31 March, 2018	Number of trips (partial or completed)			492
Set Types	All sets	Number of sets			5,549
Fishing Area	All Areas	Number of hooks set			14,768,572

  

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	1,539	1,519	20	0.10
Striped marlin	4,783	4,682	101	0.32
Shortbill spearfish	5,047	4,946	101	0.34
Swordfish	6,757	6,322	435	0.46
Other billfishes	80	76	4	0.01
<b>Total</b>	<b>18,206</b>	<b>17,545</b>	<b>661</b>	<b>1.23</b>
<b>Shark PMUS</b>				
Blue shark	19,497	0	19,497	1.32
Mako sharks	1,568	224	1,344	0.11
Thresher sharks	1,528	8	1,520	0.10
Oceanic whitetip shark	98	0	98	0.01
Silky shark	65	0	65	0.00
<b>Total</b>	<b>22,756</b>	<b>232</b>	<b>22,524</b>	<b>1.54</b>
<b>Tuna PMUS</b>				
Albacore	396	394	2	0.03
Bigeye tuna	61,949	60,574	1,375	4.19
Yellowfin tuna	20,981	20,489	492	1.42
Bluefin tuna	4	2	2	0.00
Skipjack tuna	4,686	4,492	194	0.32
Other tunas	0	0	0	0.00
<b>Total</b>	<b>88,016</b>	<b>85,951</b>	<b>2,065</b>	<b>5.96</b>
<b>Other PMUS</b>				
Mahimahi	12,762	12,517	245	0.86
Moonfish	6,869	6,813	56	0.47
Wahoo	5,652	5,600	52	0.38
Oilfish	5,554	4,784	770	0.38
Pomfret	17,175	17,057	118	1.16
<b>Total</b>	<b>48,012</b>	<b>46,771</b>	<b>1,241</b>	<b>3.25</b>
<b>Total PMUS</b>	<b>176,990</b>	<b>150,499</b>	<b>26,491</b>	<b>11.98</b>
Non-PMUS Sharks	30	0	30	0.00
<b>Total Non-PMUS</b>	<b>178</b>	<b>56</b>	<b>122</b>	<b>0.01</b>
<b>Total All Species</b>	<b>177,168</b>	<b>150,555</b>	<b>26,613</b>	<b>12.00</b>

**Table 2.** Hawaii and California permitted longline fisheries quarterly statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with 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, 2018  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	115
Number of trips (partial or completed)	286
Number of sets	1,764
Number of hooks set	4,811,612

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	588	587	1	0.12
Striped marlin	2,294	2,290	4	0.48
Shortbill spearfish	1,971	1,967	4	0.41
Swordfish	420	408	12	0.09
Other billfishes	31	31	0	0.01
<b>Total</b>	<b>5,304</b>	<b>5,283</b>	<b>21</b>	<b>1.10</b>
<b>Shark PMUS</b>				
Blue shark	6,746	0	6,746	1.40
Mako sharks	487	73	414	0.10
Thresher sharks	351	1	350	0.07
Oceanic whitetip shark	57	0	57	0.01
Silky shark	36	0	36	0.01
<b>Total</b>	<b>7,677</b>	<b>74</b>	<b>7,603</b>	<b>1.60</b>
<b>Tuna PMUS</b>				
Albacore	20	20	0	0.00
Bigeye tuna	17,393	17,044	349	3.61
Yellowfin tuna	7,213	6,983	230	1.50
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,117	1,078	39	0.23
Other tunas	0	0	0	0.00
<b>Total</b>	<b>25,743</b>	<b>25,125</b>	<b>618</b>	<b>5.35</b>
<b>Other PMUS</b>				
Mahimahi	3,152	3,130	22	0.66
Moonfish	828	827	1	0.17
Wahoo	1,573	1,551	22	0.33
Oilfish	2,060	1,828	232	0.43
Pomfret	4,609	4,598	11	0.96
<b>Total</b>	<b>12,222</b>	<b>11,934</b>	<b>288</b>	<b>2.54</b>
<b>Total PMUS</b>	<b>50,946</b>	<b>42,416</b>	<b>8,530</b>	<b>10.59</b>
Non-PMUS Sharks	16	0	16	0.00
<b>Total Non-PMUS</b>	<b>59</b>	<b>36</b>	<b>23</b>	<b>0.01</b>
<b>Total All Species</b>	<b>51,005</b>	<b>42,452</b>	<b>8,553</b>	<b>10.60</b>

**Table 3.** Hawaii and California permitted longline fisheries 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), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with 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		Number of vessels active		
Time Period	1 January - 31 March, 2018	134		
Set Types	All sets	414		
Fishing Area	Outside U.S. EEZ	3,785		
		9,956,960		

  

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	951	932	19	0.10
Striped marlin	2,489	2,392	97	0.25
Shortbill spearfish	3,076	2,979	97	0.31
Swordfish	6,337	5,914	423	0.64
Other billfishes	49	45	4	0.00
<b>Total</b>	<b>12,902</b>	<b>12,262</b>	<b>640</b>	<b>1.30</b>
<b>Shark PMUS</b>				
Blue shark	12,751	0	12,751	1.28
Mako sharks	1,081	151	930	0.11
Thresher sharks	1,177	7	1,170	0.12
Oceanic whitetip shark	41	0	41	0.00
Silky shark	29	0	29	0.00
<b>Total</b>	<b>15,079</b>	<b>158</b>	<b>14,921</b>	<b>1.51</b>
<b>Tuna PMUS</b>				
Albacore	376	374	2	0.04
Bigeye tuna	44,556	43,530	1,026	4.47
Yellowfin tuna	13,768	13,506	262	1.38
Bluefin tuna	4	2	2	0.00
Skipjack tuna	3,569	3,414	155	0.36
Other tunas	0	0	0	0.00
<b>Total</b>	<b>62,273</b>	<b>60,826</b>	<b>1,447</b>	<b>6.25</b>
<b>Other PMUS</b>				
Mahimahi	9,610	9,387	223	0.97
Moonfish	6,041	5,986	55	0.61
Wahoo	4,079	4,049	30	0.41
Oilfish	3,494	2,956	538	0.35
Pomfret	12,566	12,459	107	1.26
<b>Total</b>	<b>35,790</b>	<b>34,837</b>	<b>953</b>	<b>3.59</b>
<b>Total PMUS</b>	<b>126,044</b>	<b>108,083</b>	<b>17,961</b>	<b>12.66</b>
Non-PMUS Sharks	14	0	14	0.00
<b>Total Non-PMUS</b>	<b>119</b>	<b>20</b>	<b>99</b>	<b>0.01</b>
<b>Total All Species</b>	<b>126,163</b>	<b>108,103</b>	<b>18,060</b>	<b>12.67</b>

**Table 4.** Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and with shallow set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with 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		Number of vessels active			11
Time Period	1 January - 31 March, 2018	Number of trips (partial or completed)			29
Set Types	Shallow sets	Number of sets			389
Fishing Area	All Areas	Number of hooks set			463,791

  

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	0	3	0.01
Striped marlin	40	19	21	0.09
Shortbill spearfish	31	26	5	0.07
Swordfish	5,669	5,268	401	12.22
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>5,743</b>	<b>5,313</b>	<b>430</b>	<b>12.38</b>
<b>Shark PMUS</b>				
Blue shark	2,435	0	2,435	5.25
Mako sharks	335	56	279	0.72
Thresher sharks	23	0	23	0.05
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
<b>Total</b>	<b>2,793</b>	<b>56</b>	<b>2,737</b>	<b>6.02</b>
<b>Tuna PMUS</b>				
Albacore	136	135	1	0.29
Bigeye tuna	1,224	1,155	69	2.64
Yellowfin tuna	679	665	14	1.46
Bluefin tuna	2	2	0	0.00
Skipjack tuna	15	15	0	0.03
Other tunas	0	0	0	0.00
<b>Total</b>	<b>2,056</b>	<b>1,972</b>	<b>84</b>	<b>4.43</b>
<b>Other PMUS</b>				
Mahimahi	425	413	12	0.92
Moonfish	172	157	15	0.37
Wahoo	19	17	2	0.04
Oilfish	154	51	103	0.33
Pomfret	24	17	7	0.05
<b>Total</b>	<b>794</b>	<b>655</b>	<b>139</b>	<b>1.71</b>
<b>Total PMUS</b>	<b>11,386</b>	<b>7,996</b>	<b>3,390</b>	<b>24.55</b>
Non-PMUS Sharks	1	0	1	0.00
<b>Total Non-PMUS</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0.00</b>
<b>Total All Species</b>	<b>11,387</b>	<b>7,996</b>	<b>3,391</b>	<b>24.55</b>

**Table 5.** Hawaii and California permitted longline fisheries quarterly statistics for all fishing areas and with deep set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with 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		Number of vessels active			131
Time Period	1 January - 31 March, 2018	Number of trips (partial or completed)			463
Set Types	Deep sets	Number of sets			5,160
Fishing Area	All Areas	Number of hooks set			14,304,781

  

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	1,536	1,519	17	0.11
Striped marlin	4,743	4,663	80	0.33
Shortbill spearfish	5,016	4,920	96	0.35
Swordfish	1,088	1,054	34	0.08
Other billfishes	80	76	4	0.01
<b>Total</b>	<b>12,463</b>	<b>12,232</b>	<b>231</b>	<b>0.87</b>
<b>Shark PMUS</b>				
Blue shark	17,062	0	17,062	1.19
Mako sharks	1,233	168	1,065	0.09
Thresher sharks	1,505	8	1,497	0.11
Oceanic whitetip shark	98	0	98	0.01
Silky shark	65	0	65	0.00
<b>Total</b>	<b>19,963</b>	<b>176</b>	<b>19,787</b>	<b>1.40</b>
<b>Tuna PMUS</b>				
Albacore	260	259	1	0.02
Bigeye tuna	60,725	59,419	1,306	4.25
Yellowfin tuna	20,302	19,824	478	1.42
Bluefin tuna	2	0	2	0.00
Skipjack tuna	4,671	4,477	194	0.33
Other tunas	0	0	0	0.00
<b>Total</b>	<b>85,960</b>	<b>83,979</b>	<b>1,981</b>	<b>6.01</b>
<b>Other PMUS</b>				
Mahimahi	12,337	12,104	233	0.86
Moonfish	6,697	6,656	41	0.47
Wahoo	5,633	5,583	50	0.39
Oilfish	5,400	4,733	667	0.38
Pomfret	17,151	17,040	111	1.20
<b>Total</b>	<b>47,218</b>	<b>46,116</b>	<b>1,102</b>	<b>3.30</b>
<b>Total PMUS</b>	<b>165,604</b>	<b>142,503</b>	<b>23,101</b>	<b>11.58</b>
Non-PMUS Sharks	29	0	29	0.00
<b>Total Non-PMUS</b>	<b>177</b>	<b>56</b>	<b>121</b>	<b>0.01</b>
<b>Total All Species</b>	<b>165,781</b>	<b>142,559</b>	<b>23,222</b>	<b>11.59</b>