

**The Hawaii - California Longline Limited-entry Fishery  
Quarterly Report  
1 April - 30 June, 2017<sup>1</sup>**

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This quarterly report for the period 1 April - 30 June, 2017, contains summary data summaries 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\_RFMO\_HC, representing preliminary data received as of 15 March 2018. 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-19-022. Issued 06 March 2019  
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**Table 1.** For the period 1 April - 30 June, 2017, Hawaii and California longline limited-entry 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**

Time Period 1 April - 30 June, 2017  
 Set Types All sets  
 Fishing Area All Areas

Number of vessels active	138
Number of trips (partial or completed)	431
Number of sets	5,023
Number of hooks set	12,971,911

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	2,365	2,356	9	0.18
Striped marlin	3,138	3,065	73	0.24
Shortbill spearfish	4,394	4,353	41	0.34
Swordfish	7,937	7,438	499	0.61
Other billfishes	59	57	2	0.00
<b>Total</b>	<b>17,893</b>	<b>17,269</b>	<b>624</b>	<b>1.38</b>
<b>Shark PMUS</b>				
Blue shark	16,973	0	16,973	1.31
Mako sharks	1,430	211	1,219	0.11
Thresher sharks	1,555	2	1,553	0.12
Oceanic whitetip shark	101	0	101	0.01
Silky shark	31	0	31	0.00
Other Sharks	100	1	99	0.01
<b>Total</b>	<b>20,190</b>	<b>214</b>	<b>19,976</b>	<b>1.56</b>
<b>Tuna PMUS</b>				
Albacore	534	533	1	0.04
Bigeye tuna	51,464	50,855	609	3.97
Yellowfin tuna	10,534	10,291	243	0.81
Bluefin tuna	5	4	1	0.00
Skipjack tuna	4,735	4,691	44	0.37
Other tunas	0	0	0	0.00
<b>Total</b>	<b>67,272</b>	<b>66,374</b>	<b>898</b>	<b>5.19</b>
<b>Other PMUS</b>				
Mahimahi	6,250	6,193	57	0.48
Moonfish	7,429	7,346	83	0.57
Wahoo	8,024	7,988	36	0.62
Oilfish	4,314	3,557	757	0.33
Pomfret	15,204	15,168	36	1.17
<b>Total</b>	<b>41,221</b>	<b>40,252</b>	<b>969</b>	<b>3.18</b>
<b>Total PMUS</b>	<b>146,576</b>	<b>124,109</b>	<b>22,467</b>	<b>11.30</b>
<b>Total Non-PMUS</b>	<b>884</b>	<b>92</b>	<b>792</b>	<b>0.07</b>
<b>Total All Species</b>	<b>147,460</b>	<b>124,201</b>	<b>23,259</b>	<b>11.37</b>

**Table 2.** For the period 1 April - 30 June, 2017, Hawaii longline limited-entry fishery 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 April - 30 June, 2017  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

Number of vessels active	65
Number of trips (partial or completed)	108
Number of sets	491
Number of hooks set	1,221,801

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	398	396	2	0.33
Striped marlin	268	267	1	0.22
Shortbill spearfish	706	703	3	0.58
Swordfish	1,001	940	61	0.82
Other billfishes	15	15	0	0.01
<b>Total</b>	<b>2,388</b>	<b>2,321</b>	<b>67</b>	<b>1.95</b>
<b>Shark PMUS</b>				
Blue shark	2,106	0	2,106	1.72
Mako sharks	116	20	96	0.09
Thresher sharks	115	1	114	0.09
Oceanic whitetip shark	32	0	32	0.03
Silky shark	9	0	9	0.01
Other Sharks	14	0	14	0.01
<b>Total</b>	<b>2,392</b>	<b>21</b>	<b>2,371</b>	<b>1.96</b>
<b>Tuna PMUS</b>				
Albacore	48	48	0	0.04
Bigeye tuna	4,116	4,004	112	3.37
Yellowfin tuna	1,811	1,668	143	1.48
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,215	1,185	30	0.99
Other tunas	0	0	0	0.00
<b>Total</b>	<b>7,190</b>	<b>6,905</b>	<b>285</b>	<b>5.88</b>
<b>Other PMUS</b>				
Mahimahi	289	283	6	0.24
Moonfish	160	159	1	0.13
Wahoo	880	877	3	0.72
Oilfish	497	407	90	0.41
Pomfret	715	705	10	0.59
<b>Total</b>	<b>2,541</b>	<b>2,431</b>	<b>110</b>	<b>2.08</b>
<b>Total PMUS</b>	<b>14,511</b>	<b>11,678</b>	<b>2,833</b>	<b>11.88</b>
<b>Total Non-PMUS</b>	<b>21</b>	<b>20</b>	<b>1</b>	<b>0.02</b>
<b>Total All Species</b>	<b>14,532</b>	<b>11,698</b>	<b>2,834</b>	<b>11.89</b>

**Table 3.** For the period 1 April - 30 June, 2017, Hawaii and California longline limited-entry 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**

Time Period 1 April - 30 June, 2017  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

Number of vessels active	138
Number of trips (partial or completed)	400
Number of sets	4,532
Number of hooks set	11,750,110

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	1,967	1,960	7	0.17
Striped marlin	2,870	2,798	72	0.24
Shortbill spearfish	3,688	3,650	38	0.31
Swordfish	6,936	6,498	438	0.59
Other billfishes	44	42	2	0.00
<b>Total</b>	<b>15,505</b>	<b>14,948</b>	<b>557</b>	<b>1.32</b>
<b>Shark PMUS</b>				
Blue shark	14,867	0	14,867	1.27
Mako sharks	1,314	191	1,123	0.11
Thresher sharks	1,440	1	1,439	0.12
Oceanic whitetip shark	69	0	69	0.01
Silky shark	22	0	22	0.00
Other Sharks	86	1	85	0.01
<b>Total</b>	<b>17,798</b>	<b>193</b>	<b>17,605</b>	<b>1.51</b>
<b>Tuna PMUS</b>				
Albacore	486	485	1	0.04
Bigeye tuna	47,348	46,851	497	4.03
Yellowfin tuna	8,723	8,623	100	0.74
Bluefin tuna	5	4	1	0.00
Skipjack tuna	3,520	3,506	14	0.30
Other tunas	0	0	0	0.00
<b>Total</b>	<b>60,082</b>	<b>59,469</b>	<b>613</b>	<b>5.11</b>
<b>Other PMUS</b>				
Mahimahi	5,961	5,910	51	0.51
Moonfish	7,269	7,187	82	0.62
Wahoo	7,144	7,111	33	0.61
Oilfish	3,817	3,150	667	0.32
Pomfret	14,489	14,463	26	1.23
<b>Total</b>	<b>38,680</b>	<b>37,821</b>	<b>859</b>	<b>3.29</b>
<b>Total PMUS</b>	<b>132,065</b>	<b>112,431</b>	<b>19,634</b>	<b>11.24</b>
<b>Total Non-PMUS</b>	<b>863</b>	<b>72</b>	<b>791</b>	<b>0.07</b>
<b>Total All Species</b>	<b>132,928</b>	<b>112,503</b>	<b>20,425</b>	<b>11.31</b>

**Table 4.** For the period 1 April - 30 June, 2017, Hawaii and California longline limited-entry 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**

Time Period 1 April - 30 June, 2017  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	15
Number of trips (partial or completed)	27
Number of sets	383
Number of hooks set	412,008

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	49	48	1	0.12
Striped marlin	296	259	37	0.72
Shortbill spearfish	126	123	3	0.31
Swordfish	5,168	4,698	470	12.54
Other billfishes	2	1	1	0.00
<b>Total</b>	<b>5,641</b>	<b>5,129</b>	<b>512</b>	<b>13.69</b>
<b>Shark PMUS</b>				
Blue shark	2,423	0	2,423	5.88
Mako sharks	244	60	184	0.59
Thresher sharks	37	0	37	0.09
Oceanic whitetip shark	21	0	21	0.05
Silky shark	7	0	7	0.02
Other Sharks	2	0	2	0.00
<b>Total</b>	<b>2,734</b>	<b>60</b>	<b>2,674</b>	<b>6.64</b>
<b>Tuna PMUS</b>				
Albacore	6	6	0	0.01
Bigeye tuna	366	364	2	0.89
Yellowfin tuna	335	331	4	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	20	20	0	0.05
Other tunas	0	0	0	0.00
<b>Total</b>	<b>727</b>	<b>721</b>	<b>6</b>	<b>1.76</b>
<b>Other PMUS</b>				
Mahimahi	778	758	20	1.89
Moonfish	8	8	0	0.02
Wahoo	36	36	0	0.09
Oilfish	379	229	150	0.92
Pomfret	9	8	1	0.02
<b>Total</b>	<b>1,210</b>	<b>1,039</b>	<b>171</b>	<b>2.94</b>
<b>Total PMUS</b>	<b>10,312</b>	<b>6,949</b>	<b>3,363</b>	<b>25.03</b>
<b>Total Non-PMUS</b>	<b>13</b>	<b>7</b>	<b>6</b>	<b>0.03</b>
<b>Total All Species</b>	<b>10,325</b>	<b>6,956</b>	<b>3,369</b>	<b>25.06</b>

**Table 5.** For the period 1 April - 30 June, 2017, Hawaii and California longline limited-entry 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**

Time Period 1 April - 30 June, 2017  
 Set Types Deep sets  
 Fishing Area All Areas

Number of vessels active	135
Number of trips (partial or completed)	404
Number of sets	4,640
Number of hooks set	12,559,903

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	2,316	2,308	8	0.18
Striped marlin	2,842	2,806	36	0.23
Shortbill spearfish	4,268	4,230	38	0.34
Swordfish	2,769	2,740	29	0.22
Other billfishes	57	56	1	0.00
<b>Total</b>	<b>12,252</b>	<b>12,140</b>	<b>112</b>	<b>0.98</b>
<b>Shark PMUS</b>				
Blue shark	14,550	0	14,550	1.16
Mako sharks	1,186	151	1,035	0.09
Thresher sharks	1,518	2	1,516	0.12
Oceanic whitetip shark	80	0	80	0.01
Silky shark	24	0	24	0.00
Other Sharks	98	1	97	0.01
<b>Total</b>	<b>17,456</b>	<b>154</b>	<b>17,302</b>	<b>1.39</b>
<b>Tuna PMUS</b>				
Albacore	528	527	1	0.04
Bigeye tuna	51,098	50,491	607	4.07
Yellowfin tuna	10,199	9,960	239	0.81
Bluefin tuna	5	4	1	0.00
Skipjack tuna	4,715	4,671	44	0.38
Other tunas	0	0	0	0.00
<b>Total</b>	<b>66,545</b>	<b>65,653</b>	<b>892</b>	<b>5.30</b>
<b>Other PMUS</b>				
Mahimahi	5,472	5,435	37	0.44
Moonfish	7,421	7,338	83	0.59
Wahoo	7,988	7,952	36	0.64
Oilfish	3,935	3,328	607	0.31
Pomfret	15,195	15,160	35	1.21
<b>Total</b>	<b>40,011</b>	<b>39,213</b>	<b>798</b>	<b>3.19</b>
<b>Total PMUS</b>	<b>136,264</b>	<b>117,160</b>	<b>19,104</b>	<b>10.85</b>
<b>Total Non-PMUS</b>	<b>871</b>	<b>85</b>	<b>786</b>	<b>0.07</b>
<b>Total All Species</b>	<b>137,135</b>	<b>117,245</b>	<b>19,890</b>	<b>10.92</b>