

**The Hawaii - California Longline Limited-entry Fishery  
Quarterly Report  
1 October - 31 December, 2017<sup>1</sup>**

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This quarterly report for the period 1 October - 31 December, 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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**Table 1.** For the period 1 October - 31 December, 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 October - 31 December, 2017  
 Set Types All sets  
 Fishing Area All Areas

|  |            |
|--|------------|
| Number of vessels active               | 136        |
| Number of trips (partial or completed) | 460        |
| Number of sets                         | 5,427      |
| Number of hooks set                    | 14,685,601 |

| 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                            | 1,885          | 1,876          | 9               | 0.13                              |
| Striped marlin                         | 5,479          | 5,407          | 72              | 0.37                              |
| Shortbill spearfish                    | 4,410          | 4,374          | 36              | 0.30                              |
| Swordfish                              | 3,218          | 2,929          | 289             | 0.22                              |
| Other billfishes                       | 149            | 148            | 1               | 0.01                              |
| <b>Total</b>                           | <b>15,141</b>  | <b>14,734</b>  | <b>407</b>      | <b>1.03</b>                       |
| <b>Shark PMUS</b>                      |                |                |                 |                                   |
| Blue shark                             | 31,228         | 0              | 31,228          | 2.13                              |
| Mako sharks                            | 1,283          | 235            | 1,048           | 0.09                              |
| Thresher sharks                        | 1,326          | 18             | 1,308           | 0.09                              |
| Oceanic whitetip shark                 | 71             | 0              | 71              | 0.00                              |
| Silky shark                            | 50             | 1              | 49              | 0.00                              |
| Other Sharks                           | 293            | 0              | 293             | 0.02                              |
| <b>Total</b>                           | <b>34,251</b>  | <b>254</b>     | <b>33,997</b>   | <b>2.33</b>                       |
| <b>Tuna PMUS</b>                       |                |                |                 |                                   |
| Albacore                               | 376            | 362            | 14              | 0.03                              |
| Bigeye tuna                            | 68,497         | 67,211         | 1,286           | 4.66                              |
| Yellowfin tuna                         | 27,008         | 26,539         | 469             | 1.84                              |
| Bluefin tuna                           | 1              | 1              | 0               | 0.00                              |
| Skipjack tuna                          | 5,457          | 5,357          | 100             | 0.37                              |
| Other tunas                            | 0              | 0              | 0               | 0.00                              |
| <b>Total</b>                           | <b>101,339</b> | <b>99,470</b>  | <b>1,869</b>    | <b>6.90</b>                       |
| <b>Other PMUS</b>                      |                |                |                 |                                   |
| Mahimahi                               | 14,932         | 14,851         | 81              | 1.02                              |
| Moonfish                               | 3,482          | 3,445          | 37              | 0.24                              |
| Wahoo                                  | 5,225          | 5,204          | 21              | 0.36                              |
| Oilfish                                | 5,146          | 4,665          | 481             | 0.35                              |
| Pomfret                                | 16,618         | 16,538         | 80              | 1.13                              |
| <b>Total</b>                           | <b>45,403</b>  | <b>44,703</b>  | <b>700</b>      | <b>3.09</b>                       |
| <b>Total PMUS</b>                      | <b>196,134</b> | <b>159,161</b> | <b>36,973</b>   | <b>13.36</b>                      |
| <b>Total Non-PMUS</b>                  | <b>1,316</b>   | <b>52</b>      | <b>1,264</b>    | <b>0.09</b>                       |
| <b>Total All Species</b>               | <b>197,450</b> | <b>159,213</b> | <b>38,237</b>   | <b>13.45</b>                      |

**Table 2.** For the period 1 October - 31 December, 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 October - 31 December, 2017  
 Set Types All sets  
 Fishing Area Inside U.S. EEZ

|  |           |
|--|-----------|
| Number of vessels active               | 118       |
| Number of trips (partial or completed) | 290       |
| Number of sets                         | 2,477     |
| Number of hooks set                    | 6,753,184 |

| 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                            | 967           | 966           | 1               | 0.14                              |
| Striped marlin                         | 2,879         | 2,859         | 20              | 0.43                              |
| Shortbill spearfish                    | 2,077         | 2,073         | 4               | 0.31                              |
| Swordfish                              | 313           | 270           | 43              | 0.05                              |
| Other billfishes                       | 59            | 59            | 0               | 0.01                              |
| <b>Total</b>                           | <b>6,295</b>  | <b>6,227</b>  | <b>68</b>       | <b>0.93</b>                       |
| <b>Shark PMUS</b>                      |               |               |                 |                                   |
| Blue shark                             | 15,586        | 0             | 15,586          | 2.31                              |
| Mako sharks                            | 438           | 59            | 379             | 0.06                              |
| Thresher sharks                        | 531           | 7             | 524             | 0.08                              |
| Oceanic whitetip shark                 | 42            | 0             | 42              | 0.01                              |
| Silky shark                            | 23            | 0             | 23              | 0.00                              |
| Other Sharks                           | 233           | 0             | 233             | 0.03                              |
| <b>Total</b>                           | <b>16,853</b> | <b>66</b>     | <b>16,787</b>   | <b>2.50</b>                       |
| <b>Tuna PMUS</b>                       |               |               |                 |                                   |
| Albacore                               | 94            | 94            | 0               | 0.01                              |
| Bigeye tuna                            | 31,435        | 30,954        | 481             | 4.65                              |
| Yellowfin tuna                         | 12,167        | 11,955        | 212             | 1.80                              |
| Bluefin tuna                           | 0             | 0             | 0               | 0.00                              |
| Skipjack tuna                          | 2,068         | 2,023         | 45              | 0.31                              |
| Other tunas                            | 0             | 0             | 0               | 0.00                              |
| <b>Total</b>                           | <b>45,764</b> | <b>45,026</b> | <b>738</b>      | <b>6.78</b>                       |
| <b>Other PMUS</b>                      |               |               |                 |                                   |
| Mahimahi                               | 5,391         | 5,367         | 24              | 0.80                              |
| Moonfish                               | 809           | 805           | 4               | 0.12                              |
| Wahoo                                  | 2,000         | 1,991         | 9               | 0.30                              |
| Oilfish                                | 2,296         | 2,136         | 160             | 0.34                              |
| Pomfret                                | 7,246         | 7,212         | 34              | 1.07                              |
| <b>Total</b>                           | <b>17,742</b> | <b>17,511</b> | <b>231</b>      | <b>2.63</b>                       |
| <b>Total PMUS</b>                      | <b>86,654</b> | <b>68,830</b> | <b>17,824</b>   | <b>12.83</b>                      |
| <b>Total Non-PMUS</b>                  | <b>219</b>    | <b>23</b>     | <b>196</b>      | <b>0.03</b>                       |
| <b>Total All Species</b>               | <b>86,873</b> | <b>68,853</b> | <b>18,020</b>   | <b>12.86</b>                      |

**Table 3.** For the period 1 October - 31 December, 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 October - 31 December, 2017  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

|  |           |
|--|-----------|
| Number of vessels active               | 132       |
| Number of trips (partial or completed) | 341       |
| Number of sets                         | 2,950     |
| Number of hooks set                    | 7,932,417 |

| 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                            | 918            | 910           | 8               | 0.12                              |
| Striped marlin                         | 2,600          | 2,548         | 52              | 0.33                              |
| Shortbill spearfish                    | 2,333          | 2,301         | 32              | 0.29                              |
| Swordfish                              | 2,905          | 2,659         | 246             | 0.37                              |
| Other billfishes                       | 90             | 89            | 1               | 0.01                              |
| <b>Total</b>                           | <b>8,846</b>   | <b>8,507</b>  | <b>339</b>      | <b>1.12</b>                       |
| <b>Shark PMUS</b>                      |                |               |                 |                                   |
| Blue shark                             | 15,642         | 0             | 15,642          | 1.97                              |
| Mako sharks                            | 845            | 176           | 669             | 0.11                              |
| Thresher sharks                        | 795            | 11            | 784             | 0.10                              |
| Oceanic whitetip shark                 | 29             | 0             | 29              | 0.00                              |
| Silky shark                            | 27             | 1             | 26              | 0.00                              |
| Other Sharks                           | 60             | 0             | 60              | 0.01                              |
| <b>Total</b>                           | <b>17,398</b>  | <b>188</b>    | <b>17,210</b>   | <b>2.19</b>                       |
| <b>Tuna PMUS</b>                       |                |               |                 |                                   |
| Albacore                               | 282            | 268           | 14              | 0.04                              |
| Bigeye tuna                            | 37,062         | 36,257        | 805             | 4.67                              |
| Yellowfin tuna                         | 14,841         | 14,584        | 257             | 1.87                              |
| Bluefin tuna                           | 1              | 1             | 0               | 0.00                              |
| Skipjack tuna                          | 3,389          | 3,334         | 55              | 0.43                              |
| Other tunas                            | 0              | 0             | 0               | 0.00                              |
| <b>Total</b>                           | <b>55,575</b>  | <b>54,444</b> | <b>1,131</b>    | <b>7.01</b>                       |
| <b>Other PMUS</b>                      |                |               |                 |                                   |
| Mahimahi                               | 9,541          | 9,484         | 57              | 1.20                              |
| Moonfish                               | 2,673          | 2,640         | 33              | 0.34                              |
| Wahoo                                  | 3,225          | 3,213         | 12              | 0.41                              |
| Oilfish                                | 2,850          | 2,529         | 321             | 0.36                              |
| Pomfret                                | 9,372          | 9,326         | 46              | 1.18                              |
| <b>Total</b>                           | <b>27,661</b>  | <b>27,192</b> | <b>469</b>      | <b>3.49</b>                       |
| <b>Total PMUS</b>                      | <b>109,480</b> | <b>90,331</b> | <b>19,149</b>   | <b>13.80</b>                      |
| <b>Total Non-PMUS</b>                  | <b>1,097</b>   | <b>29</b>     | <b>1,068</b>    | <b>0.14</b>                       |
| <b>Total All Species</b>               | <b>110,577</b> | <b>90,360</b> | <b>20,217</b>   | <b>13.94</b>                      |

**Table 4.** For the period 1 October - 31 December, 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 October - 31 December, 2017  
 Set Types Shallow sets  
 Fishing Area All Areas

|  |         |
|--|---------|
| Number of vessels active               | 11      |
| Number of trips (partial or completed) | 20      |
| Number of sets                         | 194     |
| Number of hooks set                    | 223,086 |

| 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             | 0            | 1               | 0.00                              |
| Striped marlin                         | 23            | 2            | 21              | 0.10                              |
| Shortbill spearfish                    | 15            | 12           | 3               | 0.07                              |
| Swordfish                              | 2,407         | 2,244        | 163             | 10.79                             |
| Other billfishes                       | 4             | 3            | 1               | 0.02                              |
| <b>Total</b>                           | <b>2,450</b>  | <b>2,261</b> | <b>189</b>      | <b>10.98</b>                      |
| <b>Shark PMUS</b>                      |               |              |                 |                                   |
| Blue shark                             | 2,272         | 0            | 2,272           | 10.18                             |
| Mako sharks                            | 380           | 133          | 247             | 1.70                              |
| Thresher sharks                        | 13            | 2            | 11              | 0.06                              |
| Oceanic whitetip shark                 | 0             | 0            | 0               | 0.00                              |
| Silky shark                            | 0             | 0            | 0               | 0.00                              |
| Other Sharks                           | 0             | 0            | 0               | 0.00                              |
| <b>Total</b>                           | <b>2,665</b>  | <b>135</b>   | <b>2,530</b>    | <b>11.95</b>                      |
| <b>Tuna PMUS</b>                       |               |              |                 |                                   |
| Albacore                               | 190           | 176          | 14              | 0.85                              |
| Bigeye tuna                            | 297           | 143          | 154             | 1.33                              |
| Yellowfin tuna                         | 450           | 398          | 52              | 2.02                              |
| Bluefin tuna                           | 1             | 1            | 0               | 0.00                              |
| Skipjack tuna                          | 28            | 28           | 0               | 0.13                              |
| Other tunas                            | 0             | 0            | 0               | 0.00                              |
| <b>Total</b>                           | <b>966</b>    | <b>746</b>   | <b>220</b>      | <b>4.33</b>                       |
| <b>Other PMUS</b>                      |               |              |                 |                                   |
| Mahimahi                               | 148           | 137          | 11              | 0.66                              |
| Moonfish                               | 331           | 299          | 32              | 1.48                              |
| Wahoo                                  | 11            | 11           | 0               | 0.05                              |
| Oilfish                                | 175           | 43           | 132             | 0.78                              |
| Pomfret                                | 15            | 12           | 3               | 0.07                              |
| <b>Total</b>                           | <b>680</b>    | <b>502</b>   | <b>178</b>      | <b>3.05</b>                       |
| <b>Total PMUS</b>                      | <b>6,761</b>  | <b>3,644</b> | <b>3,117</b>    | <b>30.31</b>                      |
| <b>Total Non-PMUS</b>                  | <b>1</b>      | <b>0</b>     | <b>1</b>        | <b>0.00</b>                       |
| <b>Total All Species</b>               | <b>6,762</b>  | <b>3,644</b> | <b>3,118</b>    | <b>30.31</b>                      |

**Table 5.** For the period 1 October - 31 December, 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 October - 31 December, 2017  
 Set Types Deep sets  
 Fishing Area All Areas

|  |            |
|--|------------|
| Number of vessels active               | 130        |
| Number of trips (partial or completed) | 440        |
| Number of sets                         | 5,233      |
| Number of hooks set                    | 14,462,515 |

| 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                            | 1,884          | 1,876          | 8               | 0.13                              |
| Striped marlin                         | 5,456          | 5,405          | 51              | 0.38                              |
| Shortbill spearfish                    | 4,395          | 4,362          | 33              | 0.30                              |
| Swordfish                              | 811            | 685            | 126             | 0.06                              |
| Other billfishes                       | 145            | 145            | 0               | 0.01                              |
| <b>Total</b>                           | <b>12,691</b>  | <b>12,473</b>  | <b>218</b>      | <b>0.88</b>                       |
| <b>Shark PMUS</b>                      |                |                |                 |                                   |
| Blue shark                             | 28,956         | 0              | 28,956          | 2.00                              |
| Mako sharks                            | 903            | 102            | 801             | 0.06                              |
| Thresher sharks                        | 1,313          | 16             | 1,297           | 0.09                              |
| Oceanic whitetip shark                 | 71             | 0              | 71              | 0.00                              |
| Silky shark                            | 50             | 1              | 49              | 0.00                              |
| Other Sharks                           | 293            | 0              | 293             | 0.02                              |
| <b>Total</b>                           | <b>31,586</b>  | <b>119</b>     | <b>31,467</b>   | <b>2.18</b>                       |
| <b>Tuna PMUS</b>                       |                |                |                 |                                   |
| Albacore                               | 186            | 186            | 0               | 0.01                              |
| Bigeye tuna                            | 68,200         | 67,068         | 1,132           | 4.72                              |
| Yellowfin tuna                         | 26,558         | 26,141         | 417             | 1.84                              |
| Bluefin tuna                           | 0              | 0              | 0               | 0.00                              |
| Skipjack tuna                          | 5,429          | 5,329          | 100             | 0.38                              |
| Other tunas                            | 0              | 0              | 0               | 0.00                              |
| <b>Total</b>                           | <b>100,373</b> | <b>98,724</b>  | <b>1,649</b>    | <b>6.94</b>                       |
| <b>Other PMUS</b>                      |                |                |                 |                                   |
| Mahimahi                               | 14,784         | 14,714         | 70              | 1.02                              |
| Moonfish                               | 3,151          | 3,146          | 5               | 0.22                              |
| Wahoo                                  | 5,214          | 5,193          | 21              | 0.36                              |
| Oilfish                                | 4,971          | 4,622          | 349             | 0.34                              |
| Pomfret                                | 16,603         | 16,526         | 77              | 1.15                              |
| <b>Total</b>                           | <b>44,723</b>  | <b>44,201</b>  | <b>522</b>      | <b>3.09</b>                       |
| <b>Total PMUS</b>                      | <b>189,373</b> | <b>155,517</b> | <b>33,856</b>   | <b>13.09</b>                      |
| <b>Total Non-PMUS</b>                  | <b>1,315</b>   | <b>52</b>      | <b>1,263</b>    | <b>0.09</b>                       |
| <b>Total All Species</b>               | <b>190,688</b> | <b>155,569</b> | <b>35,119</b>   | <b>13.18</b>                      |