

**The Hawaii-California Pelagic Longline Vessels  
Quarterly Report  
1 October-31 December 2019<sup>1</sup>**

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This quarterly report for the period 1 October–31 December 2019, 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 2020. 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), 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.

References:

Pacific Islands Fisheries Science Center, 2020: Hawaii Longline Logbook,  
<https://www.fisheries.noaa.gov/inport/item/2721>

Southwest Fisheries Science Center, 2020: California Pelagic Longline Fishery,  
<https://www.fisheries.noaa.gov/inport/item/12906>

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<sup>1</sup>PIFSC Data Report DR-20-008. Issued 04 September 2020  
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**Table 1.** For the period 1 October - 31 December, 2019, 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**

Time Period 1 October - 31 December, 2019  
 Set Types All sets  
 Fishing Area All Areas

|  |            |
|--|------------|
| Number of vessels active               | 139        |
| Number of trips (partial or completed) | 485        |
| Number of sets                         | 5,732      |
| Number of hooks set                    | 16,042,955 |

| 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                            | 3,269          | 3,218          | 51              | 0.20                              |
| Striped marlin                         | 6,431          | 6,163          | 268             | 0.40                              |
| Shortbill spearfish                    | 3,269          | 3,149          | 120             | 0.20                              |
| Swordfish                              | 919            | 869            | 50              | 0.06                              |
| Other billfishes                       | 617            | 610            | 7               | 0.04                              |
| <b>Total</b>                           | <b>14,505</b>  | <b>14,009</b>  | <b>496</b>      | <b>0.90</b>                       |
| <b>Shark PMUS</b>                      |                |                |                 |                                   |
| Blue shark                             | 35,392         | 0              | 35,392          | 2.21                              |
| Mako sharks                            | 1,492          | 111            | 1,381           | 0.09                              |
| Thresher sharks                        | 1,568          | 7              | 1,561           | 0.10                              |
| Oceanic whitetip shark                 | 178            | 0              | 178             | 0.01                              |
| Silky shark                            | 69             | 0              | 69              | 0.00                              |
| <b>Total</b>                           | <b>38,699</b>  | <b>118</b>     | <b>38,581</b>   | <b>2.41</b>                       |
| <b>Tuna PMUS</b>                       |                |                |                 |                                   |
| Albacore                               | 610            | 606            | 4               | 0.04                              |
| Bigeye tuna                            | 69,222         | 66,560         | 2,662           | 4.31                              |
| Yellowfin tuna                         | 19,888         | 19,170         | 718             | 1.24                              |
| Bluefin tuna                           | 8              | 8              | 0               | 0.00                              |
| Skipjack tuna                          | 5,181          | 5,124          | 57              | 0.32                              |
| Other tunas                            | 0              | 0              | 0               | 0.00                              |
| <b>Total</b>                           | <b>94,909</b>  | <b>91,468</b>  | <b>3,441</b>    | <b>5.92</b>                       |
| <b>Other PMUS</b>                      |                |                |                 |                                   |
| Mahimahi                               | 10,443         | 10,303         | 140             | 0.65                              |
| Moonfish                               | 6,167          | 6,010          | 157             | 0.38                              |
| Wahoo                                  | 8,988          | 8,921          | 67              | 0.56                              |
| Oilfish                                | 5,320          | 4,342          | 978             | 0.33                              |
| Pomfret                                | 11,150         | 11,011         | 139             | 0.70                              |
| <b>Total</b>                           | <b>42,068</b>  | <b>40,587</b>  | <b>1,481</b>    | <b>2.62</b>                       |
| <b>Total PMUS</b>                      | <b>190,181</b> | <b>146,182</b> | <b>43,999</b>   | <b>11.85</b>                      |
| Non-PMUS Sharks                        | 71             | 0              | 71              | 0.00                              |
| <b>Total Non-PMUS</b>                  | <b>2,302</b>   | <b>28</b>      | <b>2,274</b>    | <b>0.14</b>                       |
| <b>Total All Species</b>               | <b>192,483</b> | <b>146,210</b> | <b>46,273</b>   | <b>12.00</b>                      |

**Table 2.** For the period 1 October - 31 December, 2019, 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 |                               | Number of vessels active                   |  |  |
|-----------------|-------------------------------|--|--|--|
| Time Period     | 1 October - 31 December, 2019 | 107  |  |  |
| Set Types       | All sets                      | Number of trips (partial or completed) 212 |  |  |
| Fishing Area    | Inside U.S. EEZ               | Number of sets 1,278                       |  |  |
|                 |                               | Number of hooks set 3,532,741              |  |  |

  

| 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                            | 1,179         | 1,158         | 21              | 0.33                              |
| Striped marlin                         | 1,800         | 1,777         | 23              | 0.51                              |
| Shortbill spearfish                    | 572           | 565           | 7               | 0.16                              |
| Swordfish                              | 130           | 119           | 11              | 0.04                              |
| Other billfishes                       | 140           | 139           | 1               | 0.04                              |
| <b>Total</b>                           | <b>3,821</b>  | <b>3,758</b>  | <b>63</b>       | <b>1.08</b>                       |
| <b>Shark PMUS</b>                      |               |               |                 |                                   |
| Blue shark                             | 10,945        | 0             | 10,945          | 3.10                              |
| Mako sharks                            | 274           | 13            | 261             | 0.08                              |
| Thresher sharks                        | 259           | 1             | 258             | 0.07                              |
| Oceanic whitetip shark                 | 57            | 0             | 57              | 0.02                              |
| Silky shark                            | 27            | 0             | 27              | 0.01                              |
| <b>Total</b>                           | <b>11,562</b> | <b>14</b>     | <b>11,548</b>   | <b>3.27</b>                       |
| <b>Tuna PMUS</b>                       |               |               |                 |                                   |
| Albacore                               | 6             | 6             | 0               | 0.00                              |
| Bigeye tuna                            | 12,065        | 11,590        | 475             | 3.42                              |
| Yellowfin tuna                         | 3,001         | 2,902         | 99              | 0.85                              |
| Bluefin tuna                           | 0             | 0             | 0               | 0.00                              |
| Skipjack tuna                          | 673           | 659           | 14              | 0.19                              |
| Other tunas                            | 0             | 0             | 0               | 0.00                              |
| <b>Total</b>                           | <b>15,745</b> | <b>15,157</b> | <b>588</b>      | <b>4.46</b>                       |
| <b>Other PMUS</b>                      |               |               |                 |                                   |
| Mahimahi                               | 1,801         | 1,775         | 26              | 0.51                              |
| Moonfish                               | 363           | 362           | 1               | 0.10                              |
| Wahoo                                  | 1,132         | 1,128         | 4               | 0.32                              |
| Oilfish                                | 1,032         | 802           | 230             | 0.29                              |
| Pomfret                                | 2,229         | 2,204         | 25              | 0.63                              |
| <b>Total</b>                           | <b>6,557</b>  | <b>6,271</b>  | <b>286</b>      | <b>1.86</b>                       |
| <b>Total PMUS</b>                      | <b>37,685</b> | <b>25,200</b> | <b>12,485</b>   | <b>10.67</b>                      |
| Non-PMUS Sharks                        | 26            | 0             | 26              | 0.01                              |
| <b>Total Non-PMUS</b>                  | <b>340</b>    | <b>4</b>      | <b>336</b>      | <b>0.10</b>                       |
| <b>Total All Species</b>               | <b>38,025</b> | <b>25,204</b> | <b>12,821</b>   | <b>10.76</b>                      |

**Table 3.** For the period 1 October - 31 December, 2019, 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**

Time Period 1 October - 31 December, 2019  
 Set Types All sets  
 Fishing Area Outside U.S. EEZ

|  |            |
|--|------------|
| Number of vessels active               | 136        |
| Number of trips (partial or completed) | 439        |
| Number of sets                         | 4,454      |
| Number of hooks set                    | 12,510,214 |

| 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                            | 2,090          | 2,060          | 30              | 0.17                              |
| Striped marlin                         | 4,631          | 4,386          | 245             | 0.37                              |
| Shortbill spearfish                    | 2,697          | 2,584          | 113             | 0.22                              |
| Swordfish                              | 789            | 750            | 39              | 0.06                              |
| Other billfishes                       | 477            | 471            | 6               | 0.04                              |
| <b>Total</b>                           | <b>10,684</b>  | <b>10,251</b>  | <b>433</b>      | <b>0.85</b>                       |
| <b>Shark PMUS</b>                      |                |                |                 |                                   |
| Blue shark                             | 24,447         | 0              | 24,447          | 1.95                              |
| Mako sharks                            | 1,218          | 98             | 1,120           | 0.10                              |
| Thresher sharks                        | 1,309          | 6              | 1,303           | 0.10                              |
| Oceanic whitetip shark                 | 121            | 0              | 121             | 0.01                              |
| Silky shark                            | 42             | 0              | 42              | 0.00                              |
| <b>Total</b>                           | <b>27,137</b>  | <b>104</b>     | <b>27,033</b>   | <b>2.17</b>                       |
| <b>Tuna PMUS</b>                       |                |                |                 |                                   |
| Albacore                               | 604            | 600            | 4               | 0.05                              |
| Bigeye tuna                            | 57,157         | 54,970         | 2,187           | 4.57                              |
| Yellowfin tuna                         | 16,887         | 16,268         | 619             | 1.35                              |
| Bluefin tuna                           | 8              | 8              | 0               | 0.00                              |
| Skipjack tuna                          | 4,508          | 4,465          | 43              | 0.36                              |
| Other tunas                            | 0              | 0              | 0               | 0.00                              |
| <b>Total</b>                           | <b>79,164</b>  | <b>76,311</b>  | <b>2,853</b>    | <b>6.33</b>                       |
| <b>Other PMUS</b>                      |                |                |                 |                                   |
| Mahimahi                               | 8,642          | 8,528          | 114             | 0.69                              |
| Moonfish                               | 5,804          | 5,648          | 156             | 0.46                              |
| Wahoo                                  | 7,856          | 7,793          | 63              | 0.63                              |
| Oilfish                                | 4,288          | 3,540          | 748             | 0.34                              |
| Pomfret                                | 8,921          | 8,807          | 114             | 0.71                              |
| <b>Total</b>                           | <b>35,511</b>  | <b>34,316</b>  | <b>1,195</b>    | <b>2.84</b>                       |
| <b>Total PMUS</b>                      | <b>152,496</b> | <b>120,982</b> | <b>31,514</b>   | <b>12.19</b>                      |
| Non-PMUS Sharks                        | 45             | 0              | 45              | 0.00                              |
| <b>Total Non-PMUS</b>                  | <b>1,962</b>   | <b>24</b>      | <b>1,938</b>    | <b>0.16</b>                       |
| <b>Total All Species</b>               | <b>154,458</b> | <b>121,006</b> | <b>33,452</b>   | <b>12.35</b>                      |

**Table 4.** For the period 1 October - 31 December, 2019, 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                   |  |  |
|-----------------|-------------------------------|--|--|--|
| Time Period     | 1 October - 31 December, 2019 | 139  |  |  |
| Set Types       | Deep sets                     | Number of trips (partial or completed) 485 |  |  |
| Fishing Area    | All Areas                     | Number of sets 5,732                       |  |  |
|                 |                               | Number of hooks set 16,042,955             |  |  |

  

| 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                            | 3,269          | 3,218          | 51              | 0.20                              |
| Striped marlin                         | 6,431          | 6,163          | 268             | 0.40                              |
| Shortbill spearfish                    | 3,269          | 3,149          | 120             | 0.20                              |
| Swordfish                              | 919            | 869            | 50              | 0.06                              |
| Other billfishes                       | 617            | 610            | 7               | 0.04                              |
| <b>Total</b>                           | <b>14,505</b>  | <b>14,009</b>  | <b>496</b>      | <b>0.90</b>                       |
| <b>Shark PMUS</b>                      |                |                |                 |                                   |
| Blue shark                             | 35,392         | 0              | 35,392          | 2.21                              |
| Mako sharks                            | 1,492          | 111            | 1,381           | 0.09                              |
| Thresher sharks                        | 1,568          | 7              | 1,561           | 0.10                              |
| Oceanic whitetip shark                 | 178            | 0              | 178             | 0.01                              |
| Silky shark                            | 69             | 0              | 69              | 0.00                              |
| <b>Total</b>                           | <b>38,699</b>  | <b>118</b>     | <b>38,581</b>   | <b>2.41</b>                       |
| <b>Tuna PMUS</b>                       |                |                |                 |                                   |
| Albacore                               | 610            | 606            | 4               | 0.04                              |
| Bigeye tuna                            | 69,222         | 66,560         | 2,662           | 4.31                              |
| Yellowfin tuna                         | 19,888         | 19,170         | 718             | 1.24                              |
| Bluefin tuna                           | 8              | 8              | 0               | 0.00                              |
| Skipjack tuna                          | 5,181          | 5,124          | 57              | 0.32                              |
| Other tunas                            | 0              | 0              | 0               | 0.00                              |
| <b>Total</b>                           | <b>94,909</b>  | <b>91,468</b>  | <b>3,441</b>    | <b>5.92</b>                       |
| <b>Other PMUS</b>                      |                |                |                 |                                   |
| Mahimahi                               | 10,443         | 10,303         | 140             | 0.65                              |
| Moonfish                               | 6,167          | 6,010          | 157             | 0.38                              |
| Wahoo                                  | 8,988          | 8,921          | 67              | 0.56                              |
| Oilfish                                | 5,320          | 4,342          | 978             | 0.33                              |
| Pomfret                                | 11,150         | 11,011         | 139             | 0.70                              |
| <b>Total</b>                           | <b>42,068</b>  | <b>40,587</b>  | <b>1,481</b>    | <b>2.62</b>                       |
| <b>Total PMUS</b>                      | <b>190,181</b> | <b>146,182</b> | <b>43,999</b>   | <b>11.85</b>                      |
| Non-PMUS Sharks                        | 71             | 0              | 71              | 0.00                              |
| <b>Total Non-PMUS</b>                  | <b>2,302</b>   | <b>28</b>      | <b>2,274</b>    | <b>0.14</b>                       |
| <b>Total All Species</b>               | <b>192,483</b> | <b>146,210</b> | <b>46,273</b>   | <b>12.00</b>                      |