

## **The Hawaii Limited-access Longline Logbook Summary Report 1 October to 31 December 2015<sup>1</sup>**

Fisheries Research and Monitoring Division, Pacific Islands Fisheries Science Center, National Marine Fisheries Service, NOAA Inouye Regional Center, 1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

The following tables represent effort, retained catch (kept) and discard as reported on longline log sheets for the Hawaii limited-access longline fishery. To satisfy confidentiality RFMO reporting standards, data from the California-based longline fishery is also included in this report. Effort and catch statistics are summarized from logbook data submitted to the PIFSC, FRMD and are based on date of longline haul. The statistics originate from an Oracle table LLDS\_REPORT\_STATS\_HICA database extraction done on 3 May 2016. When a statistic (number of vessels, trips) can involve dates of haul in 2 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 are not additive statistics (i.e. sum of 4 quarters is not the total for the year, etc).

---

<sup>1</sup>PIFSC Data Report DR-16-036.  
Issued 25 July 2016.

**Table 1.** Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 October - 31 December, 2015  
 Set Types All Sets  
 Fishing Area All Areas

Number of vessels active	132
Number of trips (partial or completed)	443
Number of sets	5,332
Number of hooks set	13,529,605

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	2,506	2,471	35	0.19
Striped marlin	6,455	6,377	78	0.48
Shortbill spearfish	5,728	5,660	68	0.42
Swordfish	1,924	1,685	239	0.14
Other billfishes	171	167	4	0.01
<b>Total</b>	<b>16,784</b>	<b>16,360</b>	<b>424</b>	<b>1.24</b>
<b>Shark PMUS</b>				
Blue shark	27,578	0	27,578	2.04
Mako sharks	1,252	187	1,065	0.09
Thresher sharks	1,387	20	1,367	0.10
Oceanic whitetip shark	239	0	239	0.02
Silky shark	14	0	14	0.00
Other Sharks	143	0	143	0.01
<b>Total</b>	<b>30,613</b>	<b>207</b>	<b>30,406</b>	<b>2.26</b>
<b>Tuna PMUS</b>				
Albacore	516	516	0	0.04
Bigeye tuna	62,489	61,298	1,191	4.62
Yellowfin tuna	11,206	11,069	137	0.83
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,673	3,615	58	0.27
Other tunas	0	0	0	0.00
<b>Total</b>	<b>77,884</b>	<b>76,498</b>	<b>1,386</b>	<b>5.76</b>
<b>Other PMUS</b>				
Mahimahi	14,406	14,333	73	1.06
Moonfish	6,360	6,293	67	0.47
Wahoo	4,878	4,859	19	0.36
Oilfish	8,811	8,459	352	0.65
Pomfret	13,867	13,836	31	1.02
<b>Total</b>	<b>48,322</b>	<b>47,780</b>	<b>542</b>	<b>3.57</b>
<b>Total PMUS</b>	<b>173,603</b>	<b>140,845</b>	<b>32,758</b>	<b>12.83</b>
<b>Total Non-PMUS</b>	<b>904</b>	<b>249</b>	<b>655</b>	<b>0.07</b>
<b>Total All Species</b>	<b>174,507</b>	<b>141,094</b>	<b>33,413</b>	<b>12.90</b>

**Table 2.** Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 October - 31 December, 2015  
 Set Types All Sets  
 Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	118
Number of trips (partial or completed)	318
Number of sets	2,971
Number of hooks set	7,465,607

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	1,457	1,454	3	0.20
Striped marlin	4,234	4,199	35	0.57
Shortbill spearfish	3,360	3,340	20	0.45
Swordfish	518	415	103	0.07
Other billfishes	99	98	1	0.01
<b>Total</b>	<b>9,668</b>	<b>9,506</b>	<b>162</b>	<b>1.30</b>
<b>Shark PMUS</b>				
Blue shark	14,565	0	14,565	1.95
Mako sharks	411	89	322	0.06
Thresher sharks	860	18	842	0.12
Oceanic whitetip shark	139	0	139	0.02
Silky shark	12	0	12	0.00
Other Sharks	68	0	68	0.01
<b>Total</b>	<b>16,055</b>	<b>107</b>	<b>15,948</b>	<b>2.15</b>
<b>Tuna PMUS</b>				
Albacore	343	343	0	0.05
Bigeye tuna	34,661	34,198	463	4.64
Yellowfin tuna	6,700	6,639	61	0.90
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,557	1,532	25	0.21
Other tunas	0	0	0	0.00
<b>Total</b>	<b>43,261</b>	<b>42,712</b>	<b>549</b>	<b>5.79</b>
<b>Other PMUS</b>				
Mahimahi	5,936	5,904	32	0.80
Moonfish	1,324	1,321	3	0.18
Wahoo	2,551	2,542	9	0.34
Oilfish	4,741	4,664	77	0.64
Pomfret	6,941	6,937	4	0.93
<b>Total</b>	<b>21,493</b>	<b>21,368</b>	<b>125</b>	<b>2.88</b>
<b>Total PMUS</b>	<b>90,477</b>	<b>73,693</b>	<b>16,784</b>	<b>12.12</b>
<b>Total Non-PMUS</b>	<b>235</b>	<b>46</b>	<b>189</b>	<b>0.03</b>
<b>Total All Species</b>	<b>90,712</b>	<b>73,739</b>	<b>16,973</b>	<b>12.15</b>

**Table 3.** Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage		Number of vessels active		
Time Period	1 October - 31 December, 2015	124		
Set Types	All Sets	Number of trips (partial or completed) 276		
Fishing Area	Outside U.S. EEZ	Number of sets 2,361		
		Number of hooks set 6,063,998		

  

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	1,049	1,017	32	0.17
Striped marlin	2,221	2,178	43	0.37
Shortbill spearfish	2,368	2,320	48	0.39
Swordfish	1,406	1,270	136	0.23
Other billfishes	72	69	3	0.01
<b>Total</b>	<b>7,116</b>	<b>6,854</b>	<b>262</b>	<b>1.17</b>
<b>Shark PMUS</b>				
Blue shark	13,013	0	13,013	2.15
Mako sharks	841	98	743	0.14
Thresher sharks	527	2	525	0.09
Oceanic whitetip shark	100	0	100	0.02
Silky shark	2	0	2	0.00
Other Sharks	75	0	75	0.01
<b>Total</b>	<b>14,558</b>	<b>100</b>	<b>14,458</b>	<b>2.40</b>
<b>Tuna PMUS</b>				
Albacore	173	173	0	0.03
Bigeye tuna	27,828	27,100	728	4.59
Yellowfin tuna	4,506	4,430	76	0.74
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,116	2,083	33	0.35
Other tunas	0	0	0	0.00
<b>Total</b>	<b>34,623</b>	<b>33,786</b>	<b>837</b>	<b>5.71</b>
<b>Other PMUS</b>				
Mahimahi	8,470	8,429	41	1.40
Moonfish	5,036	4,972	64	0.83
Wahoo	2,327	2,317	10	0.38
Oilfish	4,070	3,795	275	0.67
Pomfret	6,926	6,899	27	1.14
<b>Total</b>	<b>26,829</b>	<b>26,412</b>	<b>417</b>	<b>4.42</b>
<b>Total PMUS</b>	<b>83,126</b>	<b>67,152</b>	<b>15,974</b>	<b>13.71</b>
<b>Total Non-PMUS</b>	<b>669</b>	<b>203</b>	<b>466</b>	<b>0.11</b>
<b>Total All Species</b>	<b>83,795</b>	<b>67,355</b>	<b>16,440</b>	<b>13.82</b>

**Table 4.** Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 October - 31 December, 2015  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	7
Number of trips (partial or completed)	9
Number of sets	116
Number of hooks set	126,753

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	0.01
Striped marlin	4	0	4	0.03
Shortbill spearfish	4	0	4	0.03
Swordfish	986	902	84	7.78
Other billfishes	1	0	1	0.01
<b>Total</b>	<b>996</b>	<b>902</b>	<b>94</b>	<b>7.86</b>
<b>Shark PMUS</b>				
Blue shark	1,991	0	1,991	15.71
Mako sharks	336	25	311	2.65
Thresher sharks	3	0	3	0.02
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	25	0	25	0.20
<b>Total</b>	<b>2,355</b>	<b>25</b>	<b>2,330</b>	<b>18.58</b>
<b>Tuna PMUS</b>				
Albacore	0	0	0	0.00
Bigeye tuna	62	27	35	0.49
Yellowfin tuna	22	22	0	0.17
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5	5	0	0.04
Other tunas	0	0	0	0.00
<b>Total</b>	<b>89</b>	<b>54</b>	<b>35</b>	<b>0.70</b>
<b>Other PMUS</b>				
Mahimahi	82	76	6	0.65
Moonfish	300	245	55	2.37
Wahoo	0	0	0	0.00
Oilfish	213	92	121	1.68
Pomfret	7	5	2	0.06
<b>Total</b>	<b>602</b>	<b>418</b>	<b>184</b>	<b>4.75</b>
<b>Total PMUS</b>	<b>4,042</b>	<b>1,399</b>	<b>2,643</b>	<b>31.89</b>
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>4,042</b>	<b>1,399</b>	<b>2,643</b>	<b>31.89</b>

**Table 5.** Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels based in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch-and-effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage		Number of vessels active		
Time Period	1 October - 31 December, 2015	129		
Set Types	Deep sets	Number of trips (partial or completed) 434		
Fishing Area	All Areas	Number of sets 5,216		
		Number of hooks set 13,402,852		

  

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	2,505	2,471	34	0.19
Striped marlin	6,451	6,377	74	0.48
Shortbill spearfish	5,724	5,660	64	0.43
Swordfish	938	783	155	0.07
Other billfishes	170	167	3	0.01
<b>Total</b>	<b>15,788</b>	<b>15,458</b>	<b>330</b>	<b>1.18</b>
<b>Shark PMUS</b>				
Blue shark	25,587	0	25,587	1.91
Mako sharks	916	162	754	0.07
Thresher sharks	1,384	20	1,364	0.10
Oceanic whitetip shark	239	0	239	0.02
Silky shark	14	0	14	0.00
Other Sharks	118	0	118	0.01
<b>Total</b>	<b>28,258</b>	<b>182</b>	<b>28,076</b>	<b>2.11</b>
<b>Tuna PMUS</b>				
Albacore	516	516	0	0.04
Bigeye tuna	62,427	61,271	1,156	4.66
Yellowfin tuna	11,184	11,047	137	0.83
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,668	3,610	58	0.27
Other tunas	0	0	0	0.00
<b>Total</b>	<b>77,795</b>	<b>76,444</b>	<b>1,351</b>	<b>5.80</b>
<b>Other PMUS</b>				
Mahimahi	14,324	14,257	67	1.07
Moonfish	6,060	6,048	12	0.45
Wahoo	4,878	4,859	19	0.36
Oilfish	8,598	8,367	231	0.64
Pomfret	13,860	13,831	29	1.03
<b>Total</b>	<b>47,720</b>	<b>47,362</b>	<b>358</b>	<b>3.56</b>
<b>Total PMUS</b>	<b>169,561</b>	<b>139,446</b>	<b>30,115</b>	<b>12.65</b>
<b>Total Non-PMUS</b>	<b>904</b>	<b>249</b>	<b>655</b>	<b>0.07</b>
<b>Total All Species</b>	<b>170,465</b>	<b>139,695</b>	<b>30,770</b>	<b>12.72</b>