

## **The Hawaii Limited Access Longline Logbook Summary Report 1 January to 30 June 2016<sup>1</sup>**

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The following tables represent effort, retained catch (kept) and discards (released) as reported on longline logsheets 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 28 September 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-16-058.  
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**Table 1.** Six month 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 January - 30 June, 2016  
 Set Types All Sets  
 Fishing Area All Areas

Number of vessels active	139
Number of trips (partial or completed)	822
Number of sets	10,385
Number of hooks set	26,321,392

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	3,639	3,585	54	0.14
Striped marlin	7,132	7,008	124	0.27
Shortbill spearfish	14,460	14,272	188	0.55
Swordfish	10,611	9,934	677	0.40
Other billfishes	363	357	6	0.01
<b>Total</b>	<b>36,205</b>	<b>35,156</b>	<b>1,049</b>	<b>1.38</b>
<b>Shark PMUS</b>				
Blue shark	37,866	0	37,866	1.44
Mako sharks	2,912	397	2,515	0.11
Thresher sharks	7,949	13	7,936	0.30
Oceanic whitetip shark	565	0	565	0.02
Silky shark	121	0	121	0.00
Other Sharks	517	2	515	0.02
<b>Total</b>	<b>49,930</b>	<b>412</b>	<b>49,518</b>	<b>1.90</b>
<b>Tuna PMUS</b>				
Albacore	8,540	8,522	18	0.32
Bigeye tuna	110,691	108,774	1,917	4.21
Yellowfin tuna	17,328	17,013	315	0.66
Bluefin tuna	1	0	1	0.00
Skipjack tuna	21,155	20,738	417	0.80
Other tunas	6	6	0	0.00
<b>Total</b>	<b>157,721</b>	<b>155,053</b>	<b>2,668</b>	<b>5.99</b>
<b>Other PMUS</b>				
Mahimahi	25,691	25,564	127	0.98
Moonfish	10,237	10,183	54	0.39
Wahoo	20,563	20,493	70	0.78
Oilfish	17,672	15,614	2,058	0.67
Pomfret	49,928	49,767	161	1.90
<b>Total</b>	<b>124,091</b>	<b>121,621</b>	<b>2,470</b>	<b>4.71</b>
<b>Total PMUS</b>	<b>367,947</b>	<b>312,242</b>	<b>55,705</b>	<b>13.98</b>
<b>Total Non-PMUS</b>	<b>1,857</b>	<b>769</b>	<b>1,088</b>	<b>0.07</b>
<b>Total All Species</b>	<b>369,804</b>	<b>313,011</b>	<b>56,793</b>	<b>14.05</b>

**Table 2.** Six month 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 January - 30 June, 2016  
 Set Types All Sets  
 Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	113
Number of trips (partial or completed)	358
Number of sets	2,069
Number of hooks set	5,162,923

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	858	839	19	0.17
Striped marlin	1,661	1,658	3	0.32
Shortbill spearfish	3,541	3,523	18	0.69
Swordfish	999	970	29	0.19
Other billfishes	68	68	0	0.01
<b>Total</b>	<b>7,127</b>	<b>7,058</b>	<b>69</b>	<b>1.38</b>
<b>Shark PMUS</b>				
Blue shark	5,810	0	5,810	1.13
Mako sharks	386	79	307	0.07
Thresher sharks	887	2	885	0.17
Oceanic whitetip shark	144	0	144	0.03
Silky shark	26	0	26	0.01
Other Sharks	101	0	101	0.02
<b>Total</b>	<b>7,354</b>	<b>81</b>	<b>7,273</b>	<b>1.42</b>
<b>Tuna PMUS</b>				
Albacore	722	720	2	0.14
Bigeye tuna	17,565	17,197	368	3.40
Yellowfin tuna	4,204	4,146	58	0.81
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,672	5,507	165	1.10
Other tunas	0	0	0	0.00
<b>Total</b>	<b>28,163</b>	<b>27,570</b>	<b>593</b>	<b>5.45</b>
<b>Other PMUS</b>				
Mahimahi	3,153	3,140	13	0.61
Moonfish	779	774	5	0.15
Wahoo	3,292	3,286	6	0.64
Oilfish	3,421	3,097	324	0.66
Pomfret	7,503	7,474	29	1.45
<b>Total</b>	<b>18,148</b>	<b>17,771</b>	<b>377</b>	<b>3.52</b>
<b>Total PMUS</b>	<b>60,792</b>	<b>52,480</b>	<b>8,312</b>	<b>11.77</b>
<b>Total Non-PMUS</b>	<b>543</b>	<b>470</b>	<b>73</b>	<b>0.11</b>
<b>Total All Species</b>	<b>61,335</b>	<b>52,950</b>	<b>8,385</b>	<b>11.88</b>

**Table 3.** Six month 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 January - 30 June, 2016  
 Set Types All Sets  
 Fishing Area Northwestern Hawaiian Islands EEZ

Number of vessels active	69
Number of trips (partial or completed)	104
Number of sets	463
Number of hooks set	1,176,361

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	116	114	2	0.10
Striped marlin	785	778	7	0.67
Shortbill spearfish	927	925	2	0.79
Swordfish	932	827	105	0.79
Other billfishes	12	12	0	0.01
<b>Total</b>	<b>2,772</b>	<b>2,656</b>	<b>116</b>	<b>2.36</b>
<b>Shark PMUS</b>				
Blue shark	2,803	0	2,803	2.38
Mako sharks	262	31	231	0.22
Thresher sharks	126	0	126	0.11
Oceanic whitetip shark	37	0	37	0.03
Silky shark	0	0	0	0.00
Other Sharks	7	0	7	0.01
<b>Total</b>	<b>3,235</b>	<b>31</b>	<b>3,204</b>	<b>2.75</b>
<b>Tuna PMUS</b>				
Albacore	627	627	0	0.53
Bigeye tuna	3,883	3,790	93	3.30
Yellowfin tuna	1,026	1,000	26	0.87
Bluefin tuna	0	0	0	0.00
Skipjack tuna	715	705	10	0.61
Other tunas	0	0	0	0.00
<b>Total</b>	<b>6,251</b>	<b>6,122</b>	<b>129</b>	<b>5.31</b>
<b>Other PMUS</b>				
Mahimahi	418	409	9	0.36
Moonfish	273	270	3	0.23
Wahoo	443	437	6	0.38
Oilfish	699	441	258	0.59
Pomfret	996	995	1	0.85
<b>Total</b>	<b>2,829</b>	<b>2,552</b>	<b>277</b>	<b>2.40</b>
<b>Total PMUS</b>	<b>15,087</b>	<b>11,361</b>	<b>3,726</b>	<b>12.83</b>
<b>Total Non-PMUS</b>	<b>75</b>	<b>55</b>	<b>20</b>	<b>0.06</b>
<b>Total All Species</b>	<b>15,162</b>	<b>11,416</b>	<b>3,746</b>	<b>12.89</b>

**Table 4.** Six month 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 January - 30 June, 2016  
 Set Types All Sets  
 Fishing Area Pacific Remote Island Areas (PRIA) EEZ

Number of vessels active	7
Number of trips (partial or completed)	7
Number of sets	45
Number of hooks set	110,410

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	44	44	0	0.40
Striped marlin	7	7	0	0.06
Shortbill spearfish	10	10	0	0.09
Swordfish	15	15	0	0.14
Other billfishes	7	7	0	0.06
<b>Total</b>	<b>83</b>	<b>83</b>	<b>0</b>	<b>0.75</b>
<b>Shark PMUS</b>				
Blue shark	137	0	137	1.24
Mako sharks	0	0	0	0.00
Thresher sharks	35	0	35	0.32
Oceanic whitetip shark	20	0	20	0.18
Silky shark	2	0	2	0.02
Other Sharks	2	0	2	0.02
<b>Total</b>	<b>196</b>	<b>0</b>	<b>196</b>	<b>1.78</b>
<b>Tuna PMUS</b>				
Albacore	0	0	0	0.00
Bigeye tuna	576	547	29	5.22
Yellowfin tuna	205	205	0	1.86
Bluefin tuna	0	0	0	0.00
Skipjack tuna	152	149	3	1.38
Other tunas	0	0	0	0.00
<b>Total</b>	<b>933</b>	<b>901</b>	<b>32</b>	<b>8.45</b>
<b>Other PMUS</b>				
Mahimahi	5	5	0	0.05
Moonfish	0	0	0	0.00
Wahoo	55	55	0	0.50
Oilfish	2	2	0	0.02
Pomfret	80	80	0	0.72
<b>Total</b>	<b>142</b>	<b>142</b>	<b>0</b>	<b>1.29</b>
<b>Total PMUS</b>	<b>1,354</b>	<b>1,126</b>	<b>228</b>	<b>12.26</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>1,354</b>	<b>1,126</b>	<b>228</b>	<b>12.26</b>

**Table 5.** Six month 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 January - 30 June, 2016			
Set Types	All Sets			
Fishing Area	Hawaiian Islands EEZ + PRIA EEZ			
		Number of vessels active	120	
		Number of trips (partial or completed)	408	
		Number of sets	2,577	
		Number of hooks set	6,449,694	

  

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	1,018	997	21	0.16
Striped marlin	2,453	2,443	10	0.38
Shortbill spearfish	4,478	4,458	20	0.69
Swordfish	1,946	1,812	134	0.30
Other billfishes	87	87	0	0.01
<b>Total</b>	<b>9,982</b>	<b>9,797</b>	<b>185</b>	<b>1.55</b>
<b>Shark PMUS</b>				
Blue shark	8,750	0	8,750	1.36
Mako sharks	648	110	538	0.10
Thresher sharks	1,048	2	1,046	0.16
Oceanic whitetip shark	201	0	201	0.03
Silky shark	28	0	28	0.00
Other Sharks	110	0	110	0.02
<b>Total</b>	<b>10,785</b>	<b>112</b>	<b>10,673</b>	<b>1.67</b>
<b>Tuna PMUS</b>				
Albacore	1,349	1,347	2	0.21
Bigeye tuna	22,024	21,534	490	3.41
Yellowfin tuna	5,435	5,351	84	0.84
Bluefin tuna	0	0	0	0.00
Skipjack tuna	6,539	6,361	178	1.01
Other tunas	0	0	0	0.00
<b>Total</b>	<b>35,347</b>	<b>34,593</b>	<b>754</b>	<b>5.48</b>
<b>Other PMUS</b>				
Mahimahi	3,576	3,554	22	0.55
Moonfish	1,052	1,044	8	0.16
Wahoo	3,790	3,778	12	0.59
Oilfish	4,122	3,540	582	0.64
Pomfret	8,579	8,549	30	1.33
<b>Total</b>	<b>21,119</b>	<b>20,465</b>	<b>654</b>	<b>3.27</b>
<b>Total PMUS</b>	<b>77,233</b>	<b>64,967</b>	<b>12,266</b>	<b>11.97</b>
<b>Total Non-PMUS</b>	<b>618</b>	<b>525</b>	<b>93</b>	<b>0.10</b>
<b>Total All Species</b>	<b>77,851</b>	<b>65,492</b>	<b>12,359</b>	<b>12.07</b>

**Table 6.** Six month 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 January - 30 June, 2016  
 Set Types All Sets  
 Fishing Area Outside U.S. EEZ

Number of vessels active	139
Number of trips (partial or completed)	736
Number of sets	7,808
Number of hooks set	19,871,698

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	2,621	2,588	33	0.13
Striped marlin	4,679	4,565	114	0.24
Shortbill spearfish	9,982	9,814	168	0.50
Swordfish	8,665	8,122	543	0.44
Other billfishes	276	270	6	0.01
<b>Total</b>	<b>26,223</b>	<b>25,359</b>	<b>864</b>	<b>1.32</b>
<b>Shark PMUS</b>				
Blue shark	29,116	0	29,116	1.47
Mako sharks	2,264	287	1,977	0.11
Thresher sharks	6,901	11	6,890	0.35
Oceanic whitetip shark	364	0	364	0.02
Silky shark	93	0	93	0.00
Other Sharks	407	2	405	0.02
<b>Total</b>	<b>39,145</b>	<b>300</b>	<b>38,845</b>	<b>1.97</b>
<b>Tuna PMUS</b>				
Albacore	7,191	7,175	16	0.36
Bigeye tuna	88,667	87,240	1,427	4.46
Yellowfin tuna	11,893	11,662	231	0.60
Bluefin tuna	1	0	1	0.00
Skipjack tuna	14,616	14,377	239	0.74
Other tunas	6	6	0	0.00
<b>Total</b>	<b>122,374</b>	<b>120,460</b>	<b>1,914</b>	<b>6.16</b>
<b>Other PMUS</b>				
Mahimahi	22,115	22,010	105	1.11
Moonfish	9,185	9,139	46	0.46
Wahoo	16,773	16,715	58	0.84
Oilfish	13,550	12,074	1,476	0.68
Pomfret	41,349	41,218	131	2.08
<b>Total</b>	<b>102,972</b>	<b>101,156</b>	<b>1,816</b>	<b>5.18</b>
<b>Total PMUS</b>	<b>290,714</b>	<b>247,275</b>	<b>43,439</b>	<b>14.63</b>
<b>Total Non-PMUS</b>	<b>1,239</b>	<b>244</b>	<b>995</b>	<b>0.06</b>
<b>Total All Species</b>	<b>291,953</b>	<b>247,519</b>	<b>44,434</b>	<b>14.69</b>

**Table 7.** Six month 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 January - 30 June, 2016  
 Set Types Shallow sets  
 Fishing Area All Areas

Number of vessels active	12
Number of trips (partial or completed)	32
Number of sets	539
Number of hooks set	569,361

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	92	88	4	0.16
Striped marlin	254	228	26	0.45
Shortbill spearfish	147	120	27	0.26
Swordfish	7,316	6,719	597	12.85
Other billfishes	7	7	0	0.01
<b>Total</b>	<b>7,816</b>	<b>7,162</b>	<b>654</b>	<b>13.73</b>
<b>Shark PMUS</b>				
Blue shark	6,830	0	6,830	12.00
Mako sharks	641	63	578	1.13
Thresher sharks	49	0	49	0.09
Oceanic whitetip shark	19	0	19	0.03
Silky shark	0	0	0	0.00
Other Sharks	34	0	34	0.06
<b>Total</b>	<b>7,573</b>	<b>63</b>	<b>7,510</b>	<b>13.30</b>
<b>Tuna PMUS</b>				
Albacore	47	45	2	0.08
Bigeye tuna	823	783	40	1.45
Yellowfin tuna	239	229	10	0.42
Bluefin tuna	0	0	0	0.00
Skipjack tuna	17	15	2	0.03
Other tunas	0	0	0	0.00
<b>Total</b>	<b>1,126</b>	<b>1,072</b>	<b>54</b>	<b>1.98</b>
<b>Other PMUS</b>				
Mahimahi	822	794	28	1.44
Moonfish	128	105	23	0.22
Wahoo	34	33	1	0.06
Oilfish	407	216	191	0.71
Pomfret	13	11	2	0.02
<b>Total</b>	<b>1,404</b>	<b>1,159</b>	<b>245</b>	<b>2.47</b>
<b>Total PMUS</b>	<b>17,919</b>	<b>9,456</b>	<b>8,463</b>	<b>31.47</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>17,919</b>	<b>9,456</b>	<b>8,463</b>	<b>31.47</b>

**Table 8.** Six month 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 January - 30 June, 2016  
 Set Types Deep sets  
 Fishing Area All Areas

Number of vessels active	138
Number of trips (partial or completed)	790
Number of sets	9,846
Number of hooks set	25,752,031

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	3,547	3,497	50	0.14
Striped marlin	6,878	6,780	98	0.27
Shortbill spearfish	14,313	14,152	161	0.56
Swordfish	3,295	3,215	80	0.13
Other billfishes	356	350	6	0.01
<b>Total</b>	<b>28,389</b>	<b>27,994</b>	<b>395</b>	<b>1.10</b>
<b>Shark PMUS</b>				
Blue shark	31,036	0	31,036	1.21
Mako sharks	2,271	334	1,937	0.09
Thresher sharks	7,900	13	7,887	0.31
Oceanic whitetip shark	546	0	546	0.02
Silky shark	121	0	121	0.00
Other Sharks	483	2	481	0.02
<b>Total</b>	<b>42,357</b>	<b>349</b>	<b>42,008</b>	<b>1.64</b>
<b>Tuna PMUS</b>				
Albacore	8,493	8,477	16	0.33
Bigeye tuna	109,868	107,991	1,877	4.27
Yellowfin tuna	17,089	16,784	305	0.66
Bluefin tuna	1	0	1	0.00
Skipjack tuna	21,138	20,723	415	0.82
Other tunas	6	6	0	0.00
<b>Total</b>	<b>156,595</b>	<b>153,981</b>	<b>2,614</b>	<b>6.08</b>
<b>Other PMUS</b>				
Mahimahi	24,869	24,770	99	0.97
Moonfish	10,109	10,078	31	0.39
Wahoo	20,529	20,460	69	0.80
Oilfish	17,265	15,398	1,867	0.67
Pomfret	49,915	49,756	159	1.94
<b>Total</b>	<b>122,687</b>	<b>120,462</b>	<b>2,225</b>	<b>4.76</b>
<b>Total PMUS</b>	<b>350,028</b>	<b>302,786</b>	<b>47,242</b>	<b>13.59</b>
<b>Total Non-PMUS</b>	<b>1,857</b>	<b>769</b>	<b>1,088</b>	<b>0.07</b>
<b>Total All Species</b>	<b>351,885</b>	<b>303,555</b>	<b>48,330</b>	<b>13.66</b>