

# The Hawaii-based Longline Logbook Summary Report January–December 2011<sup>1</sup>

Pacific Islands Fisheries Science Center  
Fisheries Monitoring Branch

This annual report summarizes data on fish catch and fishing effort by Hawaii-based longline vessels for calendar year 2011. Results are based on the date gear was hauled, as reported by vessel operators to the National Marine Fisheries Service in federal logbooks of daily fishing activity. The report covers longline operations for fishing trips completed in 2011 and most, but not all, data from trips that began late in the fourth quarter of 2011 and continued into the first quarter of 2012. Therefore, the 2011 summary statistics reported here are preliminary.

During 2011, 129 vessels were active in the Hawaii-based fleet, five more vessels than in 2010 (Table 1, Fig. 1); participation in the fishery has been nearly constant over the past eight years. Longline fishers made 1,388 longline trips in 2011 (75 more than in 2010), including 1,306 using deep-set gear to target tuna (up 99 trips from 2010) and 82 using shallow-set gear to target swordfish (down 32 trips) (Table 1, Fig. 2). The Hawaii-based longline fishery deployed a record 42.2 million hooks in 2011, up 3.1 million hooks from 2010 (Table 1, Fig. 3). The number of hooks has been relatively steady over the past five years. A growing proportion of hooks are being set outside the U.S. Exclusive Economic Zone (EEZ) — 65% of the total hooks set in 2011. The remainder were deployed in the main Hawaiian Islands EEZ (22%), Northwestern Hawaiian Islands EEZ (11%), and in the EEZ of the Pacific Remote Island Areas (PRIA, consisting of U.S. possessions Wake Island, Jarvis Island, Howland Island, Baker Island, Kingman Reef, Palmyra Atoll, and Johnston Atoll) (2%).

In 2011, the Hawaii longline fleet caught 156,171 bigeye tuna (Table 1, Fig. 4), 14% more than in 2010. The trend of bigeye tuna catch has been upward since the first year of logbook monitoring in 1991. The albacore catch increased to 34,427 fish in 2011, well below the peak catch in 1997 but 66% higher than the albacore catch in 2010. The catch of yellowfin tuna more than doubled in 2011 to 31,629 fish.

The 2011 swordfish catch was 19,311 fish (Table 1, Fig. 5). This was 4% lower than the swordfish catch in 2010. The catch of striped marlin was 16,753 fish in 2011, a four-fold increase compared to 2010; an increase of this magnitude is consistent with the observed range of interannual variation over the 20-year period of logbook records. The catch of blue marlin in 2011 was 4,540 fish, up 31% from 2010. The catch of swordfish has been relatively stable for the past seven years while catches of striped marlin and blue marlin have varied.

In 2011, the Hawaii longline fleet caught 65,238 sharks and kept just 2% of them (Table 1, Fig. 6). Blue shark comprised 86% of the total shark catch (55,813 fish). The fleet also caught 3,226 mako sharks and 4,647 thresher sharks. Catches of mako and thresher sharks have

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trended upward, whereas the catch of blue shark has been relatively steady during the last nine years (Fig. 6).

In 2011, the Hawaii longline catch of other key pelagic species included 81,205 mahimahi, 33,443 pomfret, 38,680 oilfish, 17,904 moonfish, and 10,481 wahoo (Table 1, Fig. 7). Catches of mahimahi and oilfish (not shown in graph) have trended higher while the catch of pomfret has declined.

The longline logbook statistics reported above refer to all fishing areas combined. Summary catch and effort for 2011 were also compiled by several geographical sub-areas including: the MHI EEZ; the NWHI EEZ; the PRIA EEZ; the combined EEZ of MHI, NWHI and PRIA; and waters outside the U.S. EEZ. These statistics are presented in Tables 2-6. Summary statistics for the entire fishing area in 2011 are also presented for each distinct trip type: swordfish-targeted trips using shallow-set gear (Table 7) and tuna-targeted trips deploying deep-set gear (Table 8).

This report is available in PDF format on the PIFSC website at <http://www.pifsc.noaa.gov/fmb/reports.php>. The website also provides quarterly and yearly charts and an archive of quarterly and annual summary tables of fish catch and fishing effort from 1991 to the present. The statistics in the online graphs and archived tables are updated periodically as new records are added to the database and corrections are made.

**Table 1.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active	
Time Period	2011		129
Fishing Area	All Areas	Number of trips	1,388
Trip Types	All Trip Types	Number of sets	18,623
		Number of hooks set	42,209,070

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	4,540	4,492	48	0.11
Striped marlin	16,753	16,495	258	0.40
Shortbill spearfish	15,723	15,517	206	0.37
Swordfish	19,311	17,165	2,146	0.46
Other billfishes	549	539	10	0.01
<b>Total</b>	<b>56,876</b>	<b>54,208</b>	<b>2,668</b>	<b>1.35</b>
<b>Sharks</b>				
Blue shark	55,813	358	55,455	1.32
Mako sharks	3,226	776	2,450	0.08
Thresher sharks	4,647	256	4,391	0.11
Oceanic whitetip shark	869	30	839	0.02
Silky shark	233	3	230	0.01
Other sharks	450	18	432	0.01
<b>Total</b>	<b>65,238</b>	<b>1,441</b>	<b>63,797</b>	<b>1.55</b>
<b>Tunas</b>				
Albacore	34,427	33,651	776	0.82
Bigeye tuna	156,171	153,410	2,761	3.70
Yellowfin tuna	31,629	30,878	751	0.75
Bluefin tuna	2	2	0	0.00
Skipjack tuna	25,791	24,996	795	0.61
Other tunas	30	20	10	0.00
<b>Total</b>	<b>248,050</b>	<b>242,957</b>	<b>5,093</b>	<b>5.88</b>
<b>Other PMUS</b>				
Mahimahi	81,205	79,405	1,800	1.92
Moonfish	17,904	17,743	161	0.42
Wahoo	10,481	10,432	49	0.25
Oilfish	38,680	37,838	842	0.92
Pomfret	33,443	32,890	553	0.79
<b>Total</b>	<b>181,713</b>	<b>178,308</b>	<b>3,405</b>	<b>4.31</b>
<b>Total PMUS</b>	<b>551,877</b>	<b>476,914</b>	<b>74,963</b>	<b>13.07</b>
<b>Total Non-PMUS</b>	<b>4,376</b>	<b>2,550</b>	<b>1,826</b>	<b>0.10</b>
<b>Total All Species</b>	<b>556,253</b>	<b>479,464</b>	<b>76,789</b>	<b>13.18</b>

**Table 2.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active	
Time Period	2011		125
Fishing Area	Main Hawaiian Islands EEZ	Number of trips	629
Trip Types	All Trip Types	Number of sets	3,974
		Number of hooks set	9,137,822

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	903	894	9	0.10
Striped marlin	3,984	3,941	43	0.44
Shortbill spearfish	3,158	3,130	28	0.35
Swordfish	953	754	199	0.10
Other billfishes	123	119	4	0.01
<b>Total</b>	<b>9,121</b>	<b>8,838</b>	<b>283</b>	<b>1.00</b>
<b>Sharks</b>				
Blue shark	12,027	111	11,916	1.32
Mako sharks	505	228	277	0.06
Thresher sharks	780	57	723	0.09
Oceanic whitetip shark	192	11	181	0.02
Silky shark	29	1	28	0.00
Other sharks	136	14	122	0.01
<b>Total</b>	<b>13,669</b>	<b>422</b>	<b>13,247</b>	<b>1.50</b>
<b>Tunas</b>				
Albacore	4,081	4,060	21	0.45
Bigeye tuna	26,804	26,153	651	2.93
Yellowfin tuna	8,490	8,203	287	0.93
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,320	5,237	83	0.58
Other tunas	1	1	0	0.00
<b>Total</b>	<b>44,696</b>	<b>43,654</b>	<b>1,042</b>	<b>4.89</b>
<b>Other PMUS</b>				
Mahimahi	14,779	14,492	287	1.62
Moonfish	1,878	1,867	11	0.21
Wahoo	1,289	1,276	13	0.14
Oilfish	7,401	7,298	103	0.81
Pomfret	8,321	8,146	175	0.91
<b>Total</b>	<b>33,668</b>	<b>33,079</b>	<b>589</b>	<b>3.68</b>
<b>Total PMUS</b>	<b>101,154</b>	<b>85,993</b>	<b>15,161</b>	<b>11.07</b>
<b>Total Non-PMUS</b>	<b>1,934</b>	<b>1,641</b>	<b>293</b>	<b>0.21</b>
<b>Total All Species</b>	<b>103,088</b>	<b>87,634</b>	<b>15,454</b>	<b>11.28</b>

**Table 3.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active	
Time Period	2011		107
Fishing Area	Northwestern Hawaiian Islands EEZ	Number of trips	290
Trip Types	All Trip Types	Number of sets	2,115
		Number of hooks set	4,732,408

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	633	623	10	0.13
Striped marlin	3,493	3,420	73	0.74
Shortbill spearfish	2,799	2,747	52	0.59
Swordfish	2,019	1,667	352	0.43
Other billfishes	103	103	0	0.02
<b>Total</b>	<b>9,047</b>	<b>8,560</b>	<b>487</b>	<b>1.91</b>
<b>Sharks</b>				
Blue shark	9,560	19	9,541	2.02
Mako sharks	396	118	278	0.08
Thresher sharks	303	58	245	0.06
Oceanic whitetip shark	135	8	127	0.03
Silky shark	9	0	9	0.00
Other sharks	49	1	48	0.01
<b>Total</b>	<b>10,452</b>	<b>204</b>	<b>10,248</b>	<b>2.21</b>
<b>Tunas</b>				
Albacore	7,052	7,019	33	1.49
Bigeye tuna	17,507	16,993	514	3.70
Yellowfin tuna	4,481	4,380	101	0.95
Bluefin tuna	0	0	0	0.00
Skipjack tuna	4,252	4,016	236	0.90
Other tunas	0	0	0	0.00
<b>Total</b>	<b>33,292</b>	<b>32,408</b>	<b>884</b>	<b>7.03</b>
<b>Other PMUS</b>				
Mahimahi	8,717	8,399	318	1.84
Moonfish	1,260	1,255	5	0.27
Wahoo	739	734	5	0.16
Oilfish	5,506	5,346	160	1.16
Pomfret	2,343	2,332	11	0.50
<b>Total</b>	<b>18,565</b>	<b>18,066</b>	<b>499</b>	<b>3.92</b>
<b>Total PMUS</b>	<b>71,356</b>	<b>59,238</b>	<b>12,118</b>	<b>15.08</b>
<b>Total Non-PMUS</b>	<b>346</b>	<b>195</b>	<b>151</b>	<b>0.07</b>
<b>Total All Species</b>	<b>71,702</b>	<b>59,433</b>	<b>12,269</b>	<b>15.15</b>

**Table 4.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active		51
Time Period	2011	Number of trips		72
Fishing Area	Pacific Remote Island Areas (PRIA) EEZ	Number of sets		357
Trip Types	All Trip Types	Number of hooks set		884,145

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	195	195	0	0.22
Striped marlin	390	384	6	0.44
Shortbill spearfish	295	291	4	0.33
Swordfish	91	89	2	0.10
Other billfishes	20	19	1	0.02
<b>Total</b>	<b>991</b>	<b>978</b>	<b>13</b>	<b>1.12</b>
<b>Sharks</b>				
Blue shark	1,045	13	1,032	1.18
Mako sharks	35	4	31	0.04
Thresher sharks	110	4	106	0.12
Oceanic whitetip shark	241	3	238	0.27
Silky shark	151	0	151	0.17
Other sharks	24	2	22	0.03
<b>Total</b>	<b>1,606</b>	<b>26</b>	<b>1,580</b>	<b>1.82</b>
<b>Tunas</b>				
Albacore	998	996	2	1.13
Bigeye tuna	4,082	4,032	50	4.62
Yellowfin tuna	2,560	2,540	20	2.90
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,056	971	85	1.19
Other tunas	0	0	0	0.00
<b>Total</b>	<b>8,696</b>	<b>8,539</b>	<b>157</b>	<b>9.84</b>
<b>Other PMUS</b>				
Mahimahi	578	574	4	0.65
Moonfish	111	110	1	0.13
Wahoo	643	642	1	0.73
Oilfish	730	716	14	0.83
Pomfret	1,044	1,043	1	1.18
<b>Total</b>	<b>3,106</b>	<b>3,085</b>	<b>21</b>	<b>3.51</b>
<b>Total PMUS</b>	<b>14,399</b>	<b>12,628</b>	<b>1,771</b>	<b>16.29</b>
<b>Total Non-PMUS</b>	<b>102</b>	<b>15</b>	<b>87</b>	<b>0.12</b>
<b>Total All Species</b>	<b>14,501</b>	<b>12,643</b>	<b>1,858</b>	<b>16.40</b>

**Table 5.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active		128	
Time Period	2011	Number of trips		833	
Fishing Area	Hawaiian Islands EEZ + PRIA EEZ	Number of sets		6,446	
Trip Types	All Trip Types	Number of hooks set		14,754,375	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	1,731	1,712	19	0.12
Striped marlin	7,867	7,745	122	0.53
Shortbill spearfish	6,252	6,168	84	0.42
Swordfish	3,063	2,510	553	0.21
Other billfishes	246	241	5	0.02
<b>Total</b>	<b>19,159</b>	<b>18,376</b>	<b>783</b>	<b>1.30</b>
<b>Sharks</b>				
Blue shark	22,632	143	22,489	1.53
Mako sharks	936	350	586	0.06
Thresher sharks	1,193	119	1,074	0.08
Oceanic whitetip shark	568	22	546	0.04
Silky shark	189	1	188	0.01
Other sharks	209	17	192	0.01
<b>Total</b>	<b>25,727</b>	<b>652</b>	<b>25,075</b>	<b>1.74</b>
<b>Tunas</b>				
Albacore	12,131	12,075	56	0.82
Bigeye tuna	48,393	47,178	1,215	3.28
Yellowfin tuna	15,531	15,123	408	1.05
Bluefin tuna	0	0	0	0.00
Skipjack tuna	10,628	10,224	404	0.72
Other tunas	1	1	0	0.00
<b>Total</b>	<b>86,684</b>	<b>84,601</b>	<b>2,083</b>	<b>5.88</b>
<b>Other PMUS</b>				
Mahimahi	24,074	23,465	609	1.63
Moonfish	3,249	3,232	17	0.22
Wahoo	2,671	2,652	19	0.18
Oilfish	13,637	13,360	277	0.92
Pomfret	11,708	11,521	187	0.79
<b>Total</b>	<b>55,339</b>	<b>54,230</b>	<b>1,109</b>	<b>3.75</b>
<b>Total PMUS</b>	<b>186,909</b>	<b>157,859</b>	<b>29,050</b>	<b>12.67</b>
<b>Total Non-PMUS</b>	<b>2,382</b>	<b>1,851</b>	<b>531</b>	<b>0.16</b>
<b>Total All Species</b>	<b>189,291</b>	<b>159,710</b>	<b>29,581</b>	<b>12.83</b>

**Table 6.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active	
Time Period	2011		128
Fishing Area	Outside U.S. EEZ	Number of trips	1,120
Trip Types	All Trip Types	Number of sets	12,175
		Number of hooks set	27,454,695

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	2,809	2,780	29	0.10
Striped marlin	8,886	8,750	136	0.32
Shortbill spearfish	9,471	9,349	122	0.34
Swordfish	16,248	14,655	1,593	0.59
Other billfishes	303	298	5	0.01
<b>Total</b>	<b>37,717</b>	<b>35,832</b>	<b>1,885</b>	<b>1.37</b>
<b>Sharks</b>				
Blue shark	33,181	215	32,966	1.21
Mako sharks	2,290	426	1,864	0.08
Thresher sharks	3,454	137	3,317	0.13
Oceanic whitetip shark	301	8	293	0.01
Silky shark	44	2	42	0.00
Other sharks	241	1	240	0.01
<b>Total</b>	<b>39,511</b>	<b>789</b>	<b>38,722</b>	<b>1.44</b>
<b>Tunas</b>				
Albacore	22,296	21,576	720	0.81
Bigeye tuna	107,778	106,232	1,546	3.93
Yellowfin tuna	16,098	15,755	343	0.59
Bluefin tuna	2	2	0	0.00
Skipjack tuna	15,163	14,772	391	0.55
Other tunas	29	19	10	0.00
<b>Total</b>	<b>161,366</b>	<b>158,356</b>	<b>3,010</b>	<b>5.88</b>
<b>Other PMUS</b>				
Mahimahi	57,131	55,940	1,191	2.08
Moonfish	14,655	14,511	144	0.53
Wahoo	7,810	7,780	30	0.28
Oilfish	25,043	24,478	565	0.91
Pomfret	21,735	21,369	366	0.79
<b>Total</b>	<b>126,374</b>	<b>124,078</b>	<b>2,296</b>	<b>4.60</b>
<b>Total PMUS</b>	<b>364,968</b>	<b>319,055</b>	<b>45,913</b>	<b>13.29</b>
<b>Total Non-PMUS</b>	<b>1,994</b>	<b>699</b>	<b>1,295</b>	<b>0.07</b>
<b>Total All Species</b>	<b>366,962</b>	<b>319,754</b>	<b>47,208</b>	<b>13.37</b>



**Table 7.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

Report Coverage		Number of vessels active		20
Time Period	2011	Number of trips		82
Fishing Area	All Areas	Number of sets		1,468
Trip Types	Swordfish Targeted Trips	Number of hooks set		1,489,243

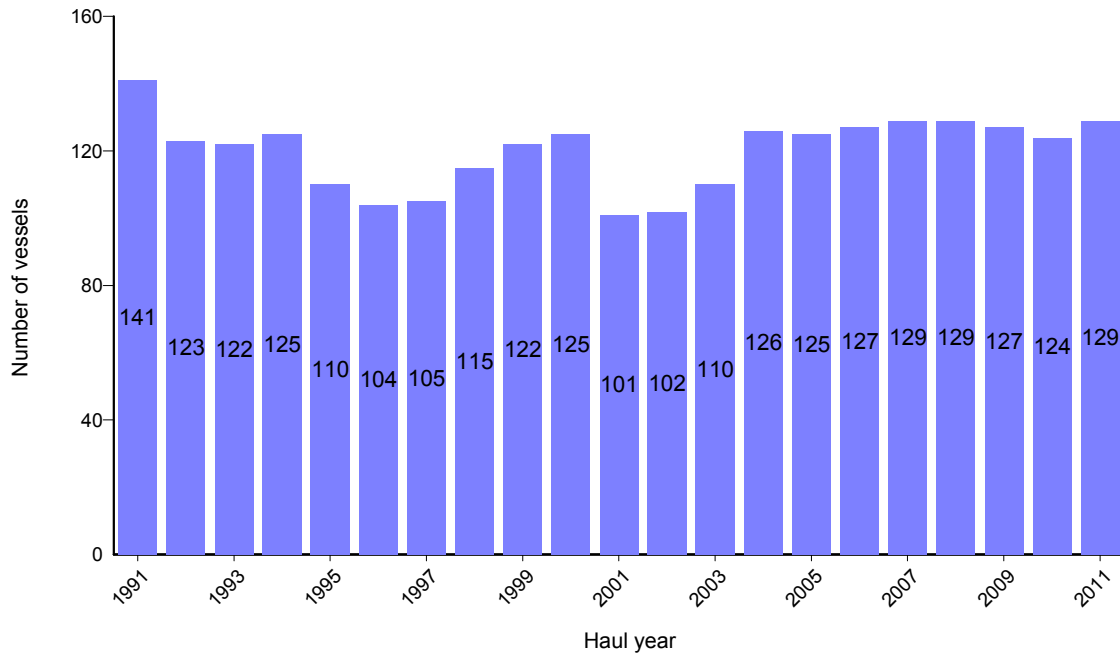
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	116	110	6	0.08
Striped marlin	572	513	59	0.38
Shortbill spearfish	192	163	29	0.13
Swordfish	16,405	14,663	1,742	11.02
Other billfishes	8	5	3	0.01
<b>Total</b>	<b>17,293</b>	<b>15,454</b>	<b>1,839</b>	<b>11.61</b>
<b>Sharks</b>				
Blue shark	7,857	19	7,838	5.28
Mako sharks	984	65	919	0.66
Thresher sharks	112	4	108	0.08
Oceanic whitetip shark	78	3	75	0.05
Silky shark	1	0	1	0.00
Other sharks	62	0	62	0.04
<b>Total</b>	<b>9,094</b>	<b>91</b>	<b>9,003</b>	<b>6.11</b>
<b>Tunas</b>				
Albacore	2,982	2,480	502	2.00
Bigeye tuna	1,050	953	97	0.71
Yellowfin tuna	317	299	18	0.21
Bluefin tuna	0	0	0	0.00
Skipjack tuna	47	43	4	0.03
Other tunas	12	2	10	0.01
<b>Total</b>	<b>4,408</b>	<b>3,777</b>	<b>631</b>	<b>2.96</b>
<b>Other PMUS</b>				
Mahimahi	6,413	5,681	732	4.31
Moonfish	207	110	97	0.14
Wahoo	35	29	6	0.02
Oilfish	2,498	1,999	499	1.68
Pomfret	103	80	23	0.07
<b>Total</b>	<b>9,256</b>	<b>7,899</b>	<b>1,357</b>	<b>6.22</b>
<b>Total PMUS</b>	<b>40,051</b>	<b>27,221</b>	<b>12,830</b>	<b>26.89</b>
<b>Total Non-PMUS</b>	<b>115</b>	<b>19</b>	<b>96</b>	<b>0.08</b>
<b>Total All Species</b>	<b>40,166</b>	<b>27,240</b>	<b>12,926</b>	<b>26.97</b>

**Table 8.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived for NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 2/8/2012 1:14:56PM].

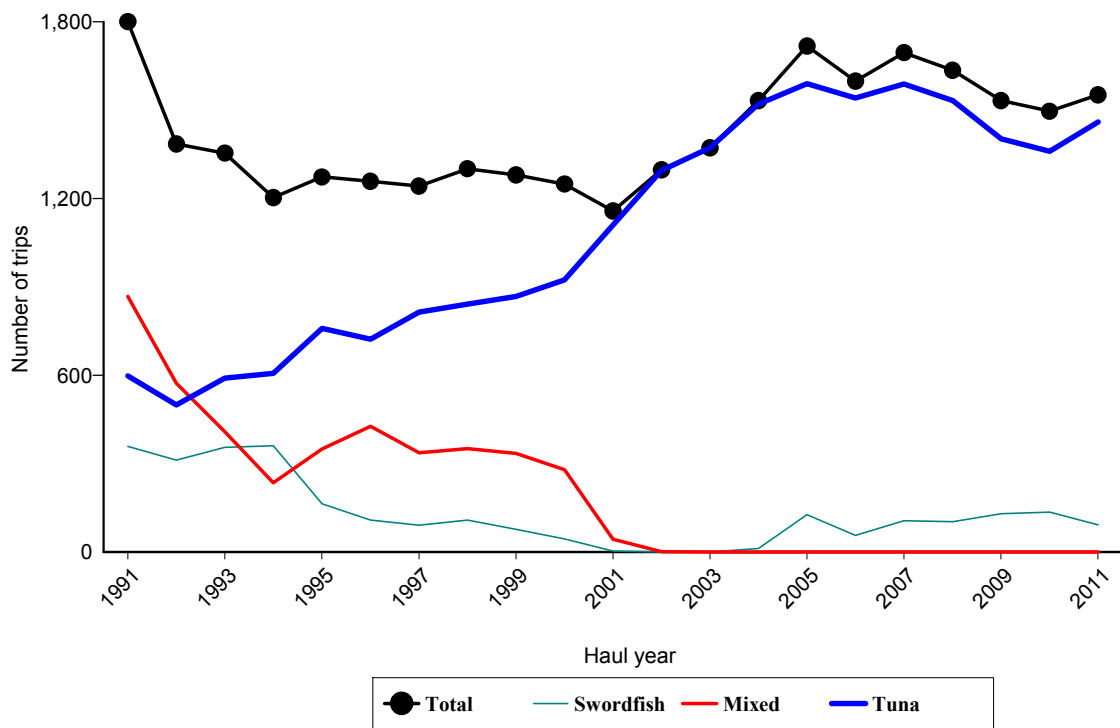
Report Coverage		Number of vessels active	
Time Period	2011		129
Fishing Area	All Areas	Number of trips	1,306
Trip Types	Tuna Targeted Trips	Number of sets	17,155
		Number of hooks set	40,719,827

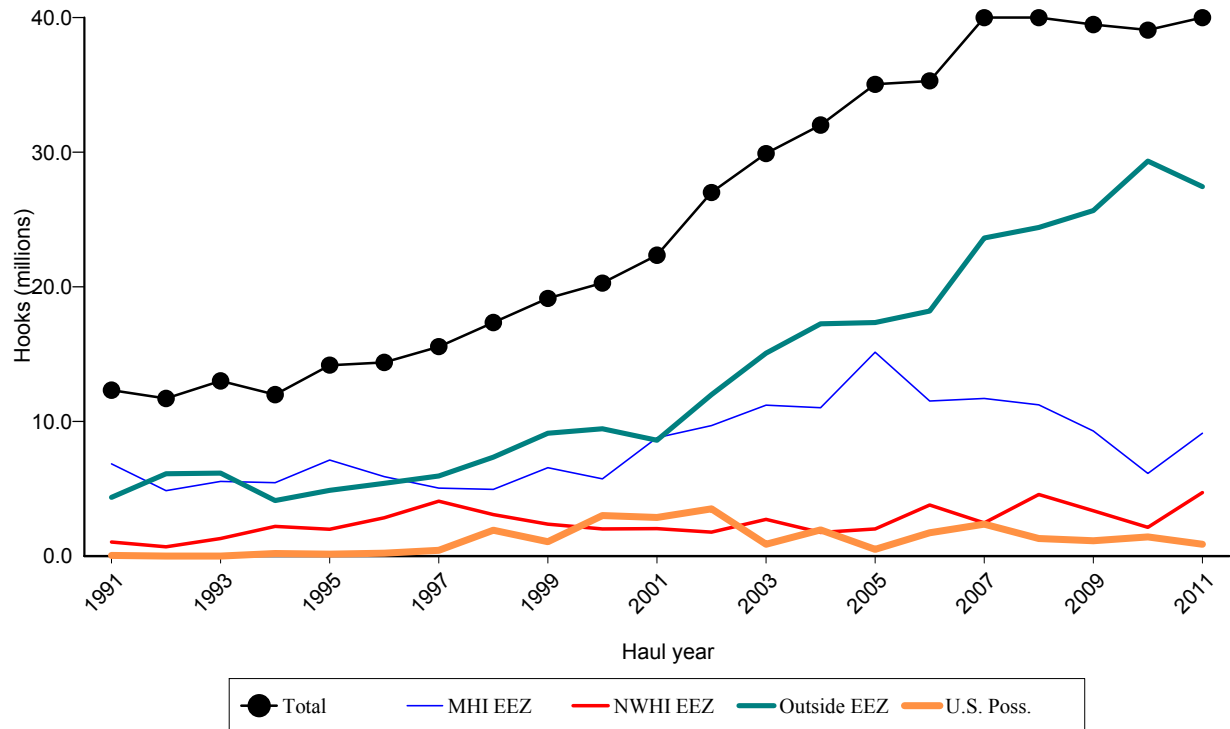
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	4,424	4,382	42	0.11
Striped marlin	16,181	15,982	199	0.40
Shortbill spearfish	15,531	15,354	177	0.38
Swordfish	2,906	2,502	404	0.07
Other billfishes	541	534	7	0.01
<b>Total</b>	<b>39,583</b>	<b>38,754</b>	<b>829</b>	<b>0.97</b>
<b>Sharks</b>				
Blue shark	47,956	339	47,617	1.18
Mako sharks	2,242	711	1,531	0.06
Thresher sharks	4,535	252	4,283	0.11
Oceanic whitetip shark	791	27	764	0.02
Silky shark	232	3	229	0.01
Other sharks	388	18	370	0.01
<b>Total</b>	<b>56,144</b>	<b>1,350</b>	<b>54,794</b>	<b>1.38</b>
<b>Tunas</b>				
Albacore	31,445	31,171	274	0.77
Bigeye tuna	155,121	152,457	2,664	3.81
Yellowfin tuna	31,312	30,579	733	0.77
Bluefin tuna	2	2	0	0.00
Skipjack tuna	25,744	24,953	791	0.63
Other tunas	18	18	0	0.00
<b>Total</b>	<b>243,642</b>	<b>239,180</b>	<b>4,462</b>	<b>5.98</b>
<b>Other PMUS</b>				
Mahimahi	74,792	73,724	1,068	1.84
Moonfish	17,697	17,633	64	0.43
Wahoo	10,446	10,403	43	0.26
Oilfish	36,182	35,839	343	0.89
Pomfret	33,340	32,810	530	0.82
<b>Total</b>	<b>172,457</b>	<b>170,409</b>	<b>2,048</b>	<b>4.24</b>
<b>Total PMUS</b>	<b>511,826</b>	<b>449,693</b>	<b>62,133</b>	<b>12.57</b>
<b>Total Non-PMUS</b>	<b>4,261</b>	<b>2,531</b>	<b>1,730</b>	<b>0.10</b>
<b>Total All Species</b>	<b>516,087</b>	<b>452,224</b>	<b>63,863</b>	<b>12.67</b>



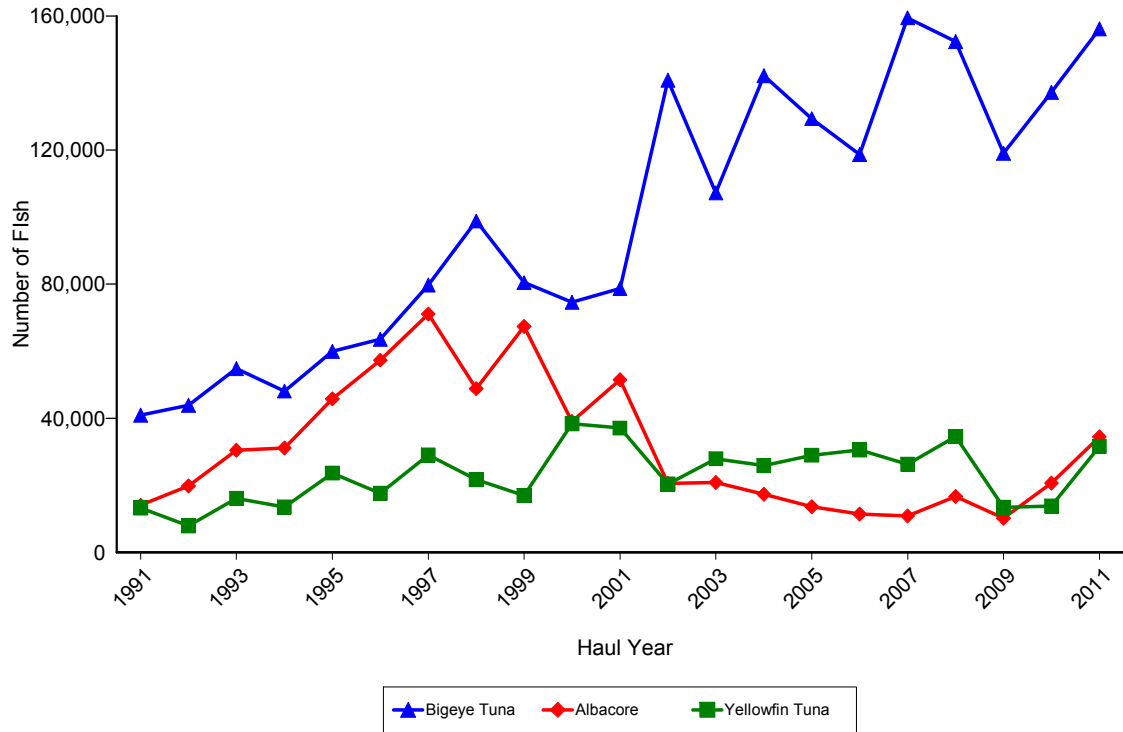
**Figure 1.** Number of active longline vessels based and landing in Hawaii, by year, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:29AM]



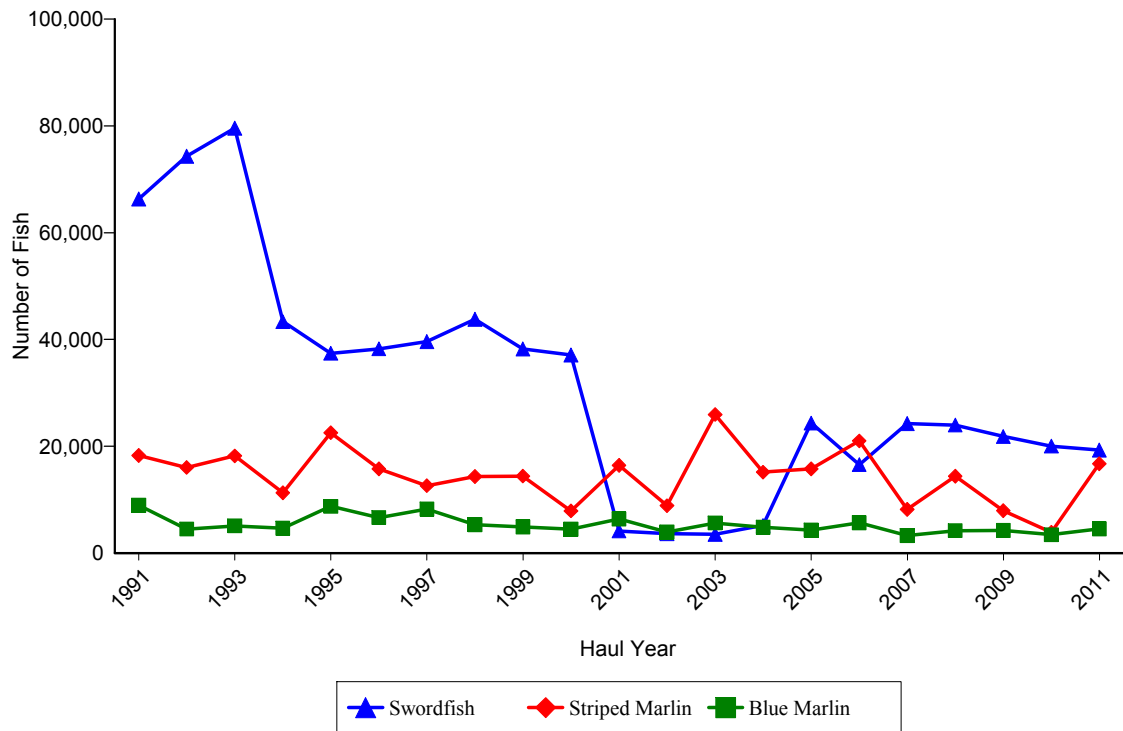
**Figure 2.** Number of fishing trips by longline vessels based and landing in Hawaii, by year and trip type, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:29AM]



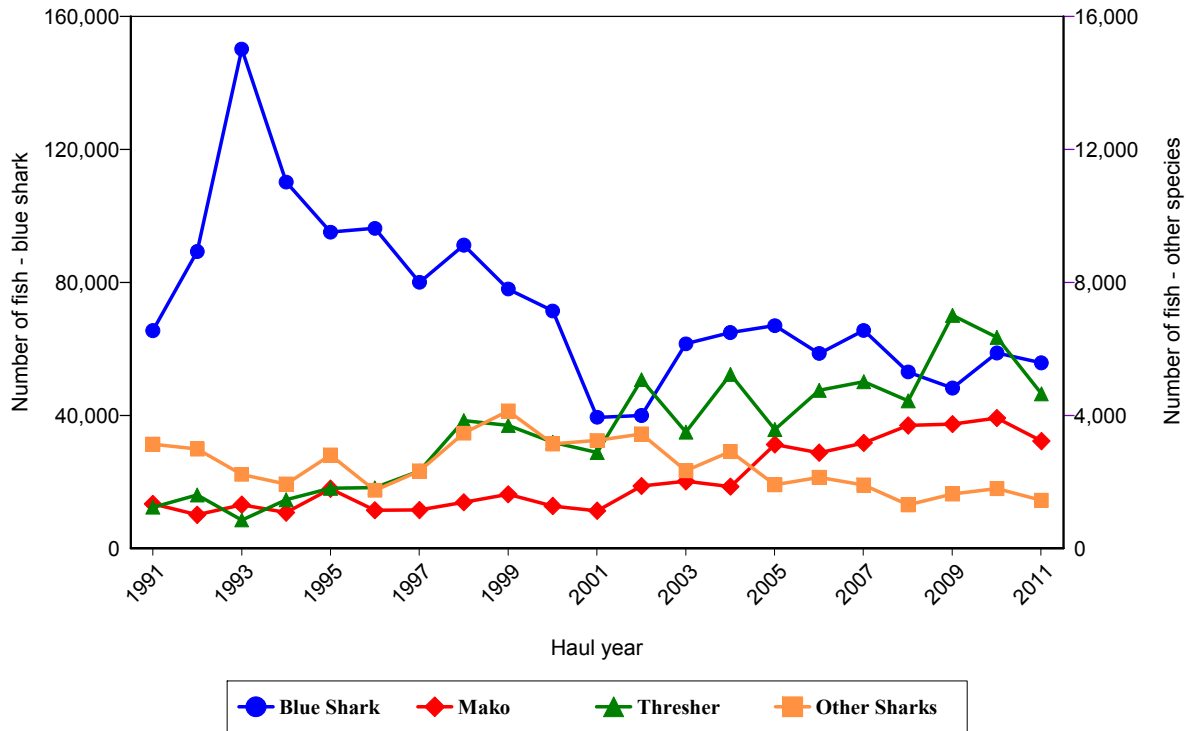
**Figure 3.** Number of hooks set by longline vessels based and landing in Hawaii, by year and fishing area, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:34AM]



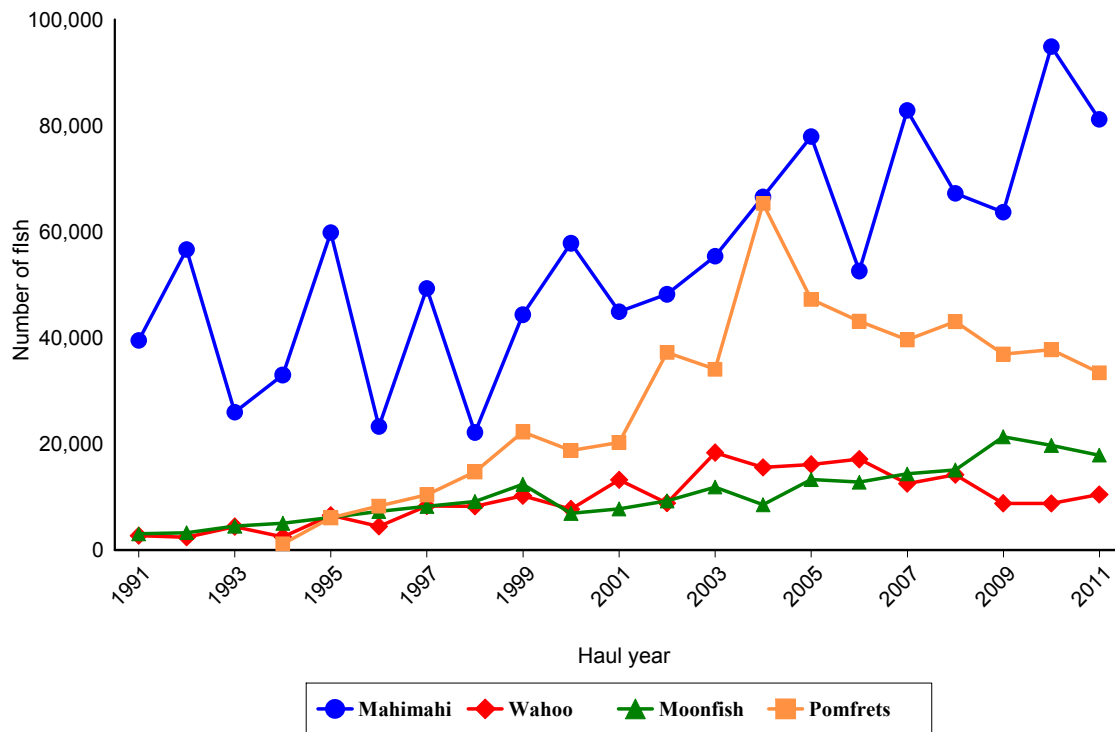
**Figure 4.** Annual catch of albacore, bigeye tuna, and yellowfin tuna by longline vessels based and landing in Hawaii, .1991-2011 2/15/2012 8:08:57AM]



**Figure 5.** Annual catch of blue marlin, striped marlin, and swordfish by longline vessels based and landing in Hawaii, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:57AM]



**Figure 6.** Annual catch of blue shark, mako shark, thresher shark, and other sharks by longline vessels based and landing in Hawaii, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:57AM]



**Figure 7.** Annual catch of mahimahi, moonfish, pomfret, and wahoo by longline vessels based and landing in Hawaii, 1991-2011. [PIFSC IMS, Longline Logbook Data, 2/15/2012 8:08:57AM]