

# The Hawaii-based Longline Logbook Summary Report January–December 2010<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 2010. 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 2010 and most, but not all, data from trips that began late in the fourth quarter of 2010 and continued into the first quarter of 2011. Therefore, the 2010 summary statistics reported here are preliminary.

During 2010, 124 vessels were active in the Hawaii-based fleet, three fewer vessels than in 2009 (Table 1, Fig. 1); participation in the fishery has been nearly constant over the past seven years. Longline fishers made 1,313 longline trips in 2010 (52 less than in 2009), including 1,205 using deep-set gear to target tuna (down 48 trips from 2009) and 108 using shallow-set gear to target swordfish (down 4 trips) (Table 1, Fig. 2). The Hawaii-based longline fishery deployed 39.0 million hooks in 2010, down 0.5 million hooks from 2009 (Table 1, Fig. 3). The number of hooks set increased steadily from 1994 through 2007, but has declined slightly over the past four years. A growing proportion of hooks are being set outside the U.S. Exclusive Economic Zone (EEZ) —75% of the total hooks set in 2010. The remainder were deployed in the main Hawaiian Islands EEZ (16%), Northwestern Hawaiian Islands EEZ (6%), 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) (4%).

In 2010, the Hawaii longline fleet caught 137,089 bigeye tuna (Table 1, Fig. 4), 15% more than in 2009. The trend of bigeye tuna catch has been upward since the first year of logbook monitoring in 1991. The albacore catch in 2010 was 20,620 fish, about double the catch in 2009; however, the albacore catch has trended downward since peaking in 1997. The catch of yellowfin tuna in 2010 was 13,816 fish, an increase of 3% over 2009.

The 2010 swordfish catch was 19,703 fish (Table 1, Fig. 5). This was 10% lower than the swordfish catch in 2009 despite an increase in the number of hooks deployed in shallow sets targeting swordfish in 2010. The catch of striped marlin was 3,929 fish in 2010, a decrease of 51% compared to 2009; it has continued to vary during the 20-year period of logbook records, with a downward trend after peaking in 2003. The catch of blue marlin in 2010 was 3,460 fish, down 19% from 2009.

In 2010, the Hawaii longline fleet caught 70,812 sharks and kept just 2% of them (Table 1, Fig. 6). Blue shark comprised 83% of the total shark catch (58,585 fish). In 2010, the fleet caught 3,885 mako sharks and 6,372 thresher sharks. Catches of mako and thresher sharks have

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trended upward, whereas those of blue shark have been relatively steady during the last eight years (Fig. 6).

In 2010, the Hawaii longline catch of other key pelagic species included a record 94,854 mahimahi, 37,785 pomfret, 34,102 oilfish, 19,725 moonfish, and 8,804 wahoo (Table 1, Fig. 7). Catches of all these species in 2010 were higher than levels in the 1990s, but those of wahoo and pomfret have declined slightly over the last several years.

The longline logbook statistics reported above refer to all fishing areas combined. Summary catch and effort for 2010 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 2010 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/fmsd/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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		124
Time Period	2010	Number of trips		1,313
Fishing Area	All Areas	Number of sets		17,903
Trip Types	All Trip Types	Number of hooks set		39,001,014

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	3,460	3,427	33	0.09
Striped marlin	3,929	3,899	30	0.10
Shortbill spearfish	8,445	8,396	49	0.22
Swordfish	19,703	18,540	1,163	0.51
Other billfishes	477	465	12	0.01
<b>Total</b>	<b>36,014</b>	<b>34,727</b>	<b>1,287</b>	<b>0.92</b>
<b>Sharks</b>				
Blue shark	58,585	190	58,395	1.50
Mako sharks	3,885	1,029	2,856	0.10
Thresher sharks	6,372	226	6,146	0.16
Oceanic whitetip shark	811	29	782	0.02
Silky shark	218	0	218	0.01
Other sharks	941	39	902	0.02
<b>Total</b>	<b>70,812</b>	<b>1,513</b>	<b>69,299</b>	<b>1.82</b>
<b>Tunas</b>				
Albacore	20,620	19,705	915	0.53
Bigeye tuna	137,089	134,886	2,203	3.52
Yellowfin tuna	13,816	13,609	207	0.35
Bluefin tuna	4	4	0	0.00
Skipjack tuna	18,748	18,211	537	0.48
Other tunas	56	42	14	0.00
<b>Total</b>	<b>190,333</b>	<b>186,457</b>	<b>3,876</b>	<b>4.88</b>
<b>Other PMUS</b>				
Mahimahi	94,854	92,472	2,382	2.43
Moonfish	19,725	19,508	217	0.51
Wahoo	8,804	8,764	40	0.23
Oilfish	34,102	33,239	863	0.87
Pomfret	37,785	37,528	257	0.97
<b>Total</b>	<b>195,270</b>	<b>191,511</b>	<b>3,759</b>	<b>5.01</b>
<b>Total PMUS</b>	<b>492,429</b>	<b>414,208</b>	<b>78,221</b>	<b>12.63</b>
<b>Total Non-PMUS</b>	<b>3,725</b>	<b>1,447</b>	<b>2,278</b>	<b>0.10</b>
<b>Total All Species</b>	<b>496,154</b>	<b>415,655</b>	<b>80,499</b>	<b>12.72</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		118	
Time Period	2010	Number of trips		482	
Fishing Area	Main Hawaiian Islands EEZ	Number of sets		2,848	
Trip Types	All Trip Types	Number of hooks set		6,153,321	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	435	432	3	0.07
Striped marlin	705	699	6	0.11
Shortbill spearfish	1,396	1,389	7	0.23
Swordfish	1,393	1,307	86	0.23
Other billfishes	66	66	0	0.01
<b>Total</b>	<b>3,995</b>	<b>3,893</b>	<b>102</b>	<b>0.65</b>
<b>Sharks</b>				
Blue shark	8,270	12	8,258	1.34
Mako sharks	398	222	176	0.06
Thresher sharks	386	73	313	0.06
Oceanic whitetip shark	91	13	78	0.01
Silky shark	6	0	6	0.00
Other sharks	100	13	87	0.02
<b>Total</b>	<b>9,251</b>	<b>333</b>	<b>8,918</b>	<b>1.50</b>
<b>Tunas</b>				
Albacore	1,571	1,566	5	0.26
Bigeye tuna	15,897	15,571	326	2.58
Yellowfin tuna	3,196	3,161	35	0.52
Bluefin tuna	0	0	0	0.00
Skipjack tuna	3,452	3,415	37	0.56
Other tunas	0	0	0	0.00
<b>Total</b>	<b>24,116</b>	<b>23,713</b>	<b>403</b>	<b>3.92</b>
<b>Other PMUS</b>				
Mahimahi	7,018	6,941	77	1.14
Moonfish	1,354	1,351	3	0.22
Wahoo	1,039	1,035	4	0.17
Oilfish	5,214	5,156	58	0.85
Pomfret	3,745	3,665	80	0.61
<b>Total</b>	<b>18,370</b>	<b>18,148</b>	<b>222</b>	<b>2.99</b>
<b>Total PMUS</b>	<b>55,732</b>	<b>46,087</b>	<b>9,645</b>	<b>9.06</b>
<b>Total Non-PMUS</b>	<b>1,336</b>	<b>810</b>	<b>526</b>	<b>0.22</b>
<b>Total All Species</b>	<b>57,068</b>	<b>46,897</b>	<b>10,171</b>	<b>9.27</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		89
Time Period	2010	Number of trips		162
Fishing Area	Northwestern Hawaiian Islands EEZ	Number of sets		1,067
Trip Types	All Trip Types	Number of hooks set		2,154,924

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	155	154	1	0.07
Striped marlin	466	461	5	0.22
Shortbill spearfish	382	373	9	0.18
Swordfish	2,776	2,586	190	1.29
Other billfishes	7	7	0	0.00
<b>Total</b>	<b>3,786</b>	<b>3,581</b>	<b>205</b>	<b>1.76</b>
<b>Sharks</b>				
Blue shark	4,158	0	4,158	1.93
Mako sharks	274	115	159	0.13
Thresher sharks	123	6	117	0.06
Oceanic whitetip shark	68	9	59	0.03
Silky shark	0	0	0	0.00
Other sharks	5	0	5	0.00
<b>Total</b>	<b>4,628</b>	<b>130</b>	<b>4,498</b>	<b>2.15</b>
<b>Tunas</b>				
Albacore	2,281	2,275	6	1.06
Bigeye tuna	7,158	7,082	76	3.32
Yellowfin tuna	1,290	1,270	20	0.60
Bluefin tuna	2	2	0	0.00
Skipjack tuna	1,053	1,003	50	0.49
Other tunas	23	23	0	0.01
<b>Total</b>	<b>11,807</b>	<b>11,655</b>	<b>152</b>	<b>5.48</b>
<b>Other PMUS</b>				
Mahimahi	926	918	8	0.43
Moonfish	1,059	1,059	0	0.49
Wahoo	448	445	3	0.21
Oilfish	2,655	2,610	45	1.23
Pomfret	1,261	1,260	1	0.59
<b>Total</b>	<b>6,349</b>	<b>6,292</b>	<b>57</b>	<b>2.95</b>
<b>Total PMUS</b>	<b>26,570</b>	<b>21,658</b>	<b>4,912</b>	<b>12.33</b>
<b>Total Non-PMUS</b>	<b>48</b>	<b>34</b>	<b>14</b>	<b>0.02</b>
<b>Total All Species</b>	<b>26,618</b>	<b>21,692</b>	<b>4,926</b>	<b>12.35</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		55	
Time Period	2010	Number of trips		88	
Fishing Area	Pacific Remote Island Areas (PRIA) EEZ	Number of sets		573	
Trip Types	All Trip Types	Number of hooks set		1,431,420	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	334	326	8	0.23
Striped marlin	129	129	0	0.09
Shortbill spearfish	203	203	0	0.14
Swordfish	165	159	6	0.12
Other billfishes	28	28	0	0.02
<b>Total</b>	<b>859</b>	<b>845</b>	<b>14</b>	<b>0.60</b>
<b>Sharks</b>				
Blue shark	1,819	7	1,812	1.27
Mako sharks	73	10	63	0.05
Thresher sharks	636	9	627	0.44
Oceanic whitetip shark	307	2	305	0.21
Silky shark	181	0	181	0.13
Other sharks	463	0	463	0.32
<b>Total</b>	<b>3,479</b>	<b>28</b>	<b>3,451</b>	<b>2.43</b>
<b>Tunas</b>				
Albacore	779	779	0	0.54
Bigeye tuna	7,447	7,269	178	5.20
Yellowfin tuna	1,584	1,556	28	1.11
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,623	1,587	36	1.13
Other tunas	0	0	0	0.00
<b>Total</b>	<b>11,433</b>	<b>11,191</b>	<b>242</b>	<b>7.99</b>
<b>Other PMUS</b>				
Mahimahi	332	332	0	0.23
Moonfish	132	132	0	0.09
Wahoo	628	626	2	0.44
Oilfish	839	838	1	0.59
Pomfret	1,857	1,852	5	1.30
<b>Total</b>	<b>3,788</b>	<b>3,780</b>	<b>8</b>	<b>2.65</b>
<b>Total PMUS</b>	<b>19,559</b>	<b>15,844</b>	<b>3,715</b>	<b>13.66</b>
<b>Total Non-PMUS</b>	<b>19</b>	<b>4</b>	<b>15</b>	<b>0.01</b>
<b>Total All Species</b>	<b>19,578</b>	<b>15,848</b>	<b>3,730</b>	<b>13.68</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		122
Time Period	2010	Number of trips		644
Fishing Area	Hawaiian Islands EEZ + PRIA EEZ	Number of sets		4,488
Trip Types	All Trip Types	Number of hooks set		9,739,665

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	924	912	12	0.09
Striped marlin	1,300	1,289	11	0.13
Shortbill spearfish	1,981	1,965	16	0.20
Swordfish	4,334	4,052	282	0.44
Other billfishes	101	101	0	0.01
<b>Total</b>	<b>8,640</b>	<b>8,319</b>	<b>321</b>	<b>0.89</b>
<b>Sharks</b>				
Blue shark	14,247	19	14,228	1.46
Mako sharks	745	347	398	0.08
Thresher sharks	1,145	88	1,057	0.12
Oceanic whitetip shark	466	24	442	0.05
Silky shark	187	0	187	0.02
Other sharks	568	13	555	0.06
<b>Total</b>	<b>17,358</b>	<b>491</b>	<b>16,867</b>	<b>1.78</b>
<b>Tunas</b>				
Albacore	4,631	4,620	11	0.48
Bigeye tuna	30,502	29,922	580	3.13
Yellowfin tuna	6,070	5,987	83	0.62
Bluefin tuna	2	2	0	0.00
Skipjack tuna	6,128	6,005	123	0.63
Other tunas	23	23	0	0.00
<b>Total</b>	<b>47,356</b>	<b>46,559</b>	<b>797</b>	<b>4.86</b>
<b>Other PMUS</b>				
Mahimahi	8,276	8,191	85	0.85
Moonfish	2,545	2,542	3	0.26
Wahoo	2,115	2,106	9	0.22
Oilfish	8,708	8,604	104	0.89
Pomfret	6,863	6,777	86	0.70
<b>Total</b>	<b>28,507</b>	<b>28,220</b>	<b>287</b>	<b>2.93</b>
<b>Total PMUS</b>	<b>101,861</b>	<b>83,589</b>	<b>18,272</b>	<b>10.46</b>
<b>Total Non-PMUS</b>	<b>1,403</b>	<b>848</b>	<b>555</b>	<b>0.14</b>
<b>Total All Species</b>	<b>103,264</b>	<b>84,437</b>	<b>18,827</b>	<b>10.60</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active	
Time Period	2010		123
Fishing Area	Outside U.S. EEZ	Number of trips	1,140
Trip Types	All Trip Types	Number of sets	13,415
		Number of hooks set	29,261,349

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	2,536	2,515	21	0.09
Striped marlin	2,629	2,610	19	0.09
Shortbill spearfish	6,464	6,431	33	0.22
Swordfish	15,369	14,488	881	0.53
Other billfishes	376	364	12	0.01
<b>Total</b>	<b>27,374</b>	<b>26,408</b>	<b>966</b>	<b>0.94</b>
<b>Sharks</b>				
Blue shark	44,338	171	44,167	1.52
Mako sharks	3,140	682	2,458	0.11
Thresher sharks	5,227	138	5,089	0.18
Oceanic whitetip shark	345	5	340	0.01
Silky shark	31	0	31	0.00
Other sharks	373	26	347	0.01
<b>Total</b>	<b>53,454</b>	<b>1,022</b>	<b>52,432</b>	<b>1.83</b>
<b>Tunas</b>				
Albacore	15,989	15,085	904	0.55
Bigeye tuna	106,587	104,964	1,623	3.64
Yellowfin tuna	7,746	7,622	124	0.26
Bluefin tuna	2	2	0	0.00
Skipjack tuna	12,620	12,206	414	0.43
Other tunas	33	19	14	0.00
<b>Total</b>	<b>142,977</b>	<b>139,898</b>	<b>3,079</b>	<b>4.89</b>
<b>Other PMUS</b>				
Mahimahi	86,578	84,281	2,297	2.96
Moonfish	17,180	16,966	214	0.59
Wahoo	6,689	6,658	31	0.23
Oilfish	25,394	24,635	759	0.87
Pomfret	30,922	30,751	171	1.06
<b>Total</b>	<b>166,763</b>	<b>163,291</b>	<b>3,472</b>	<b>5.70</b>
<b>Total PMUS</b>	<b>390,568</b>	<b>330,619</b>	<b>59,949</b>	<b>13.35</b>
<b>Total Non-PMUS</b>	<b>2,322</b>	<b>599</b>	<b>1,723</b>	<b>0.08</b>
<b>Total All Species</b>	<b>392,890</b>	<b>331,218</b>	<b>61,672</b>	<b>13.43</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, 2/9/2011 2:29:58PM].

Report Coverage		Number of vessels active		28
Time Period	2010	Number of trips		108
Fishing Area	All Areas	Number of sets		1,833
Trip Types	Swordfish Targeted Trips	Number of hooks set		1,803,432

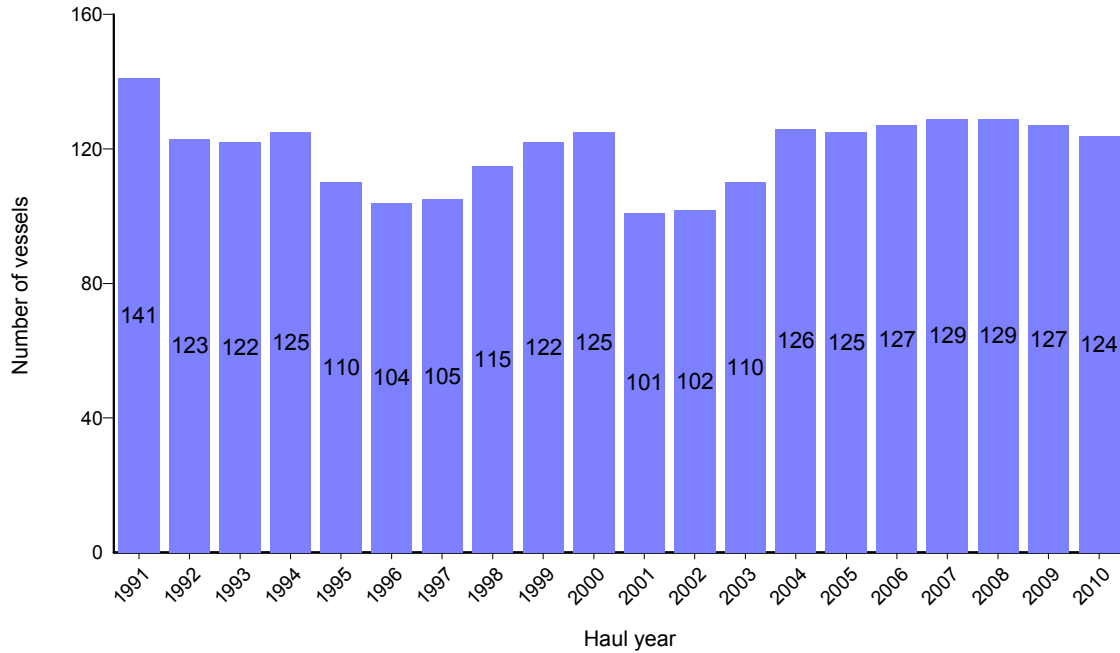
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	64	61	3	0.04
Striped marlin	255	245	10	0.14
Shortbill spearfish	70	58	12	0.04
Swordfish	16,708	15,766	942	9.26
Other billfishes	14	12	2	0.01
<b>Total</b>	<b>17,111</b>	<b>16,142</b>	<b>969</b>	<b>9.49</b>
<b>Sharks</b>				
Blue shark	16,934	41	16,893	9.39
Mako sharks	1,557	165	1,392	0.86
Thresher sharks	93	8	85	0.05
Oceanic whitetip shark	72	15	57	0.04
Silky shark	6	0	6	0.00
Other sharks	55	1	54	0.03
<b>Total</b>	<b>18,717</b>	<b>230</b>	<b>18,487</b>	<b>10.38</b>
<b>Tunas</b>				
Albacore	1,809	1,281	528	1.00
Bigeye tuna	1,579	1,502	77	0.88
Yellowfin tuna	205	202	3	0.11
Bluefin tuna	2	2	0	0.00
Skipjack tuna	59	56	3	0.03
Other tunas	19	5	14	0.01
<b>Total</b>	<b>3,673</b>	<b>3,048</b>	<b>625</b>	<b>2.04</b>
<b>Other PMUS</b>				
Mahimahi	2,602	2,510	92	1.44
Moonfish	214	114	100	0.12
Wahoo	72	68	4	0.04
Oilfish	2,633	2,075	558	1.46
Pomfret	73	60	13	0.04
<b>Total</b>	<b>5,594</b>	<b>4,827</b>	<b>767</b>	<b>3.10</b>
<b>Total PMUS</b>	<b>45,095</b>	<b>24,247</b>	<b>20,848</b>	<b>25.01</b>
<b>Total Non-PMUS</b>	<b>30</b>	<b>17</b>	<b>13</b>	<b>0.02</b>
<b>Total All Species</b>	<b>45,125</b>	<b>24,264</b>	<b>20,861</b>	<b>25.02</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, 2/9/2011 2:29:58PM].

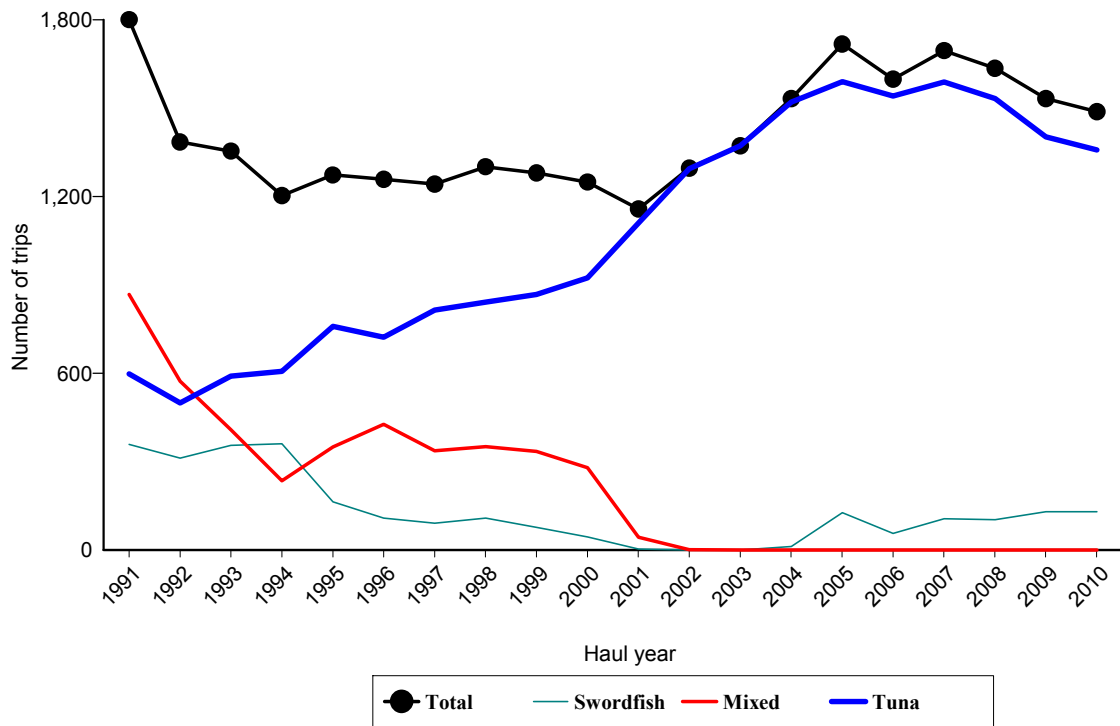
Report Coverage		Number of vessels active	
Time Period	2010		122
Fishing Area	All Areas	Number of trips	1,205
Trip Types	Tuna Targeted Trips	Number of sets	16,070
		Number of hooks set	37,197,582

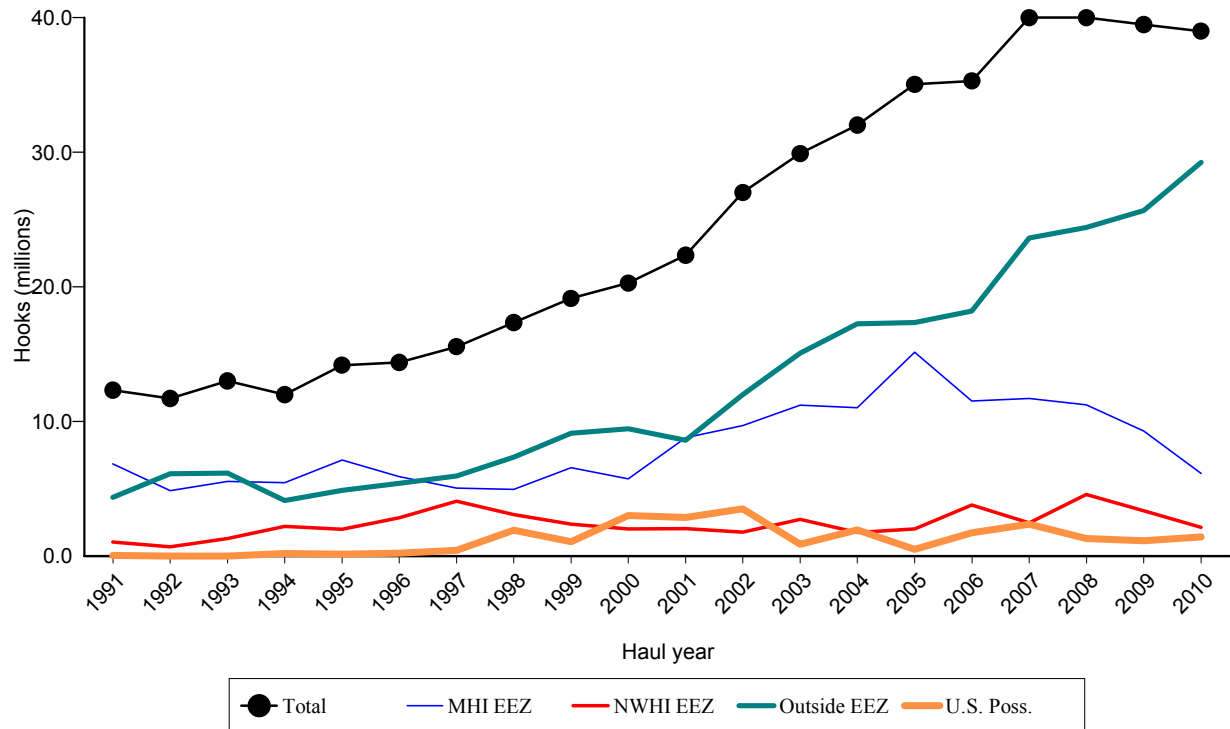
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
<b>Billfishes</b>				
Blue marlin	3,396	3,366	30	0.09
Striped marlin	3,674	3,654	20	0.10
Shortbill spearfish	8,375	8,338	37	0.23
Swordfish	2,995	2,774	221	0.08
Other billfishes	463	453	10	0.01
<b>Total</b>	<b>18,903</b>	<b>18,585</b>	<b>318</b>	<b>0.51</b>
<b>Sharks</b>				
Blue shark	41,651	149	41,502	1.12
Mako sharks	2,328	864	1,464	0.06
Thresher sharks	6,279	218	6,061	0.17
Oceanic whitetip shark	739	14	725	0.02
Silky shark	212	0	212	0.01
Other sharks	886	38	848	0.02
<b>Total</b>	<b>52,095</b>	<b>1,283</b>	<b>50,812</b>	<b>1.40</b>
<b>Tunas</b>				
Albacore	18,811	18,424	387	0.51
Bigeye tuna	135,510	133,384	2,126	3.64
Yellowfin tuna	13,611	13,407	204	0.37
Bluefin tuna	2	2	0	0.00
Skipjack tuna	18,689	18,155	534	0.50
Other tunas	37	37	0	0.00
<b>Total</b>	<b>186,660</b>	<b>183,409</b>	<b>3,251</b>	<b>5.02</b>
<b>Other PMUS</b>				
Mahimahi	92,252	89,962	2,290	2.48
Moonfish	19,511	19,394	117	0.52
Wahoo	8,732	8,696	36	0.23
Oilfish	31,469	31,164	305	0.85
Pomfret	37,712	37,468	244	1.01
<b>Total</b>	<b>189,676</b>	<b>186,684</b>	<b>2,992</b>	<b>5.10</b>
<b>Total PMUS</b>	<b>447,334</b>	<b>389,961</b>	<b>57,373</b>	<b>12.03</b>
<b>Total Non-PMUS</b>	<b>3,695</b>	<b>1,430</b>	<b>2,265</b>	<b>0.10</b>
<b>Total All Species</b>	<b>451,029</b>	<b>391,391</b>	<b>59,638</b>	<b>12.13</b>



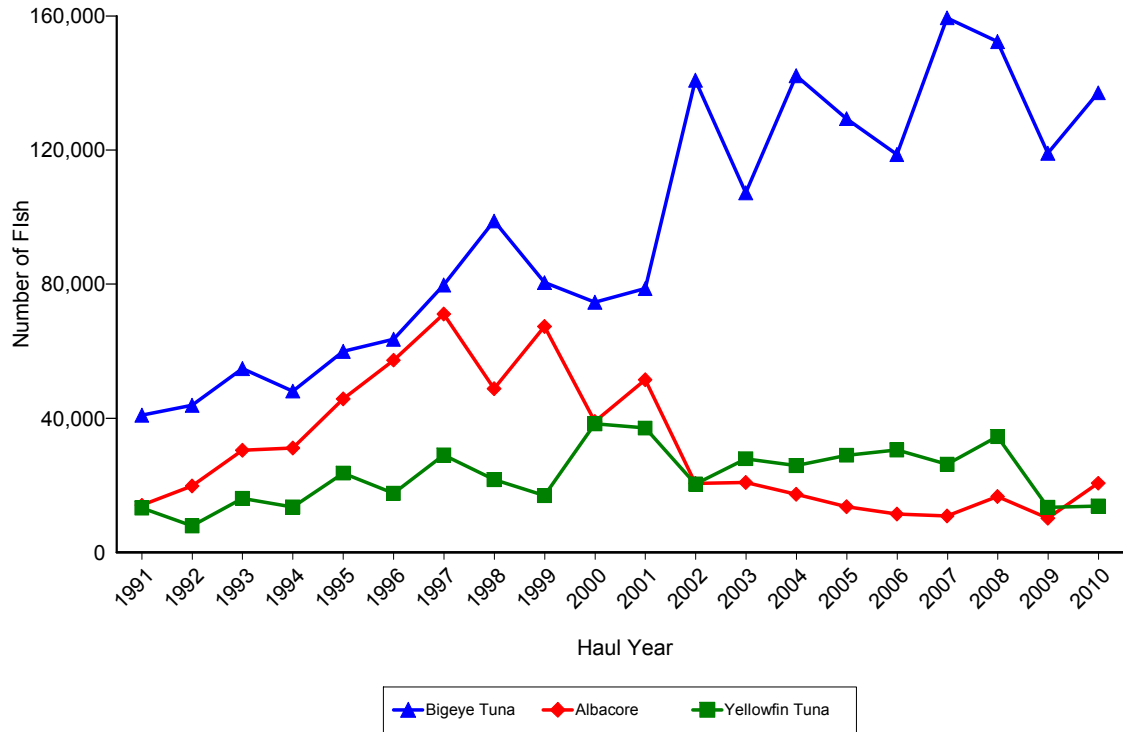
**Figure 1.** Number of active longline vessels based and landing in Hawaii, by year, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:00:32AM]



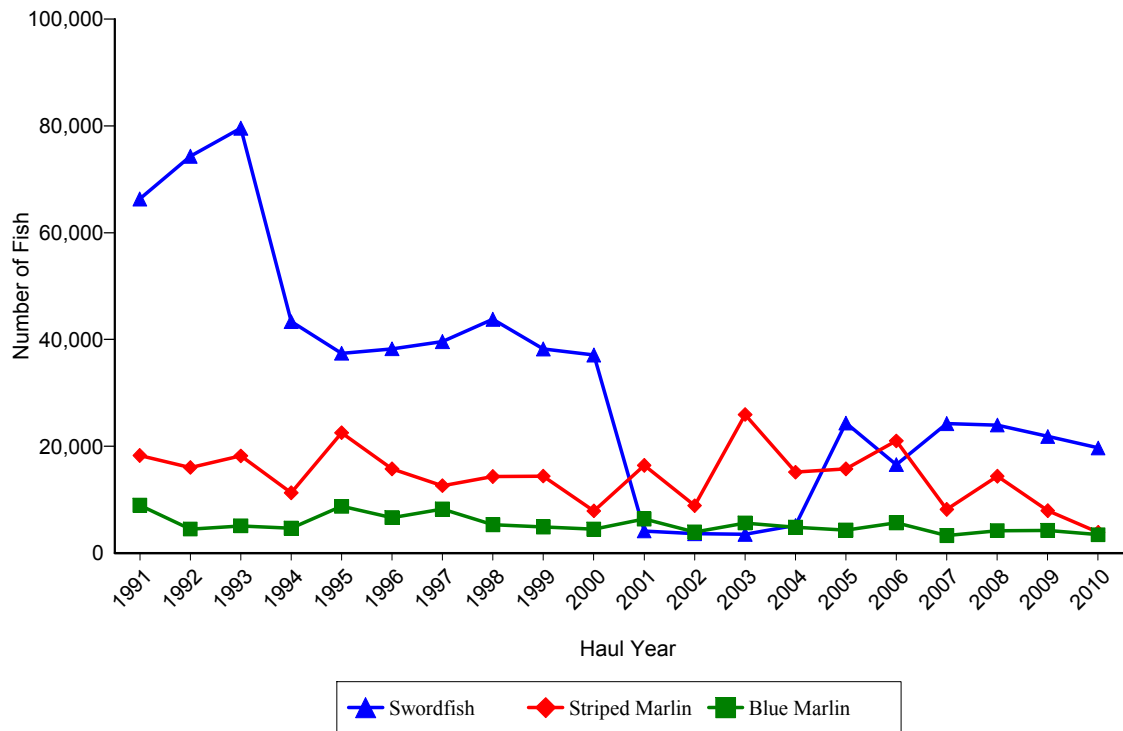
**Figure 2.** Number of fishing trips by longline vessels based and landing in Hawaii, by year and trip type, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:00:32AM]



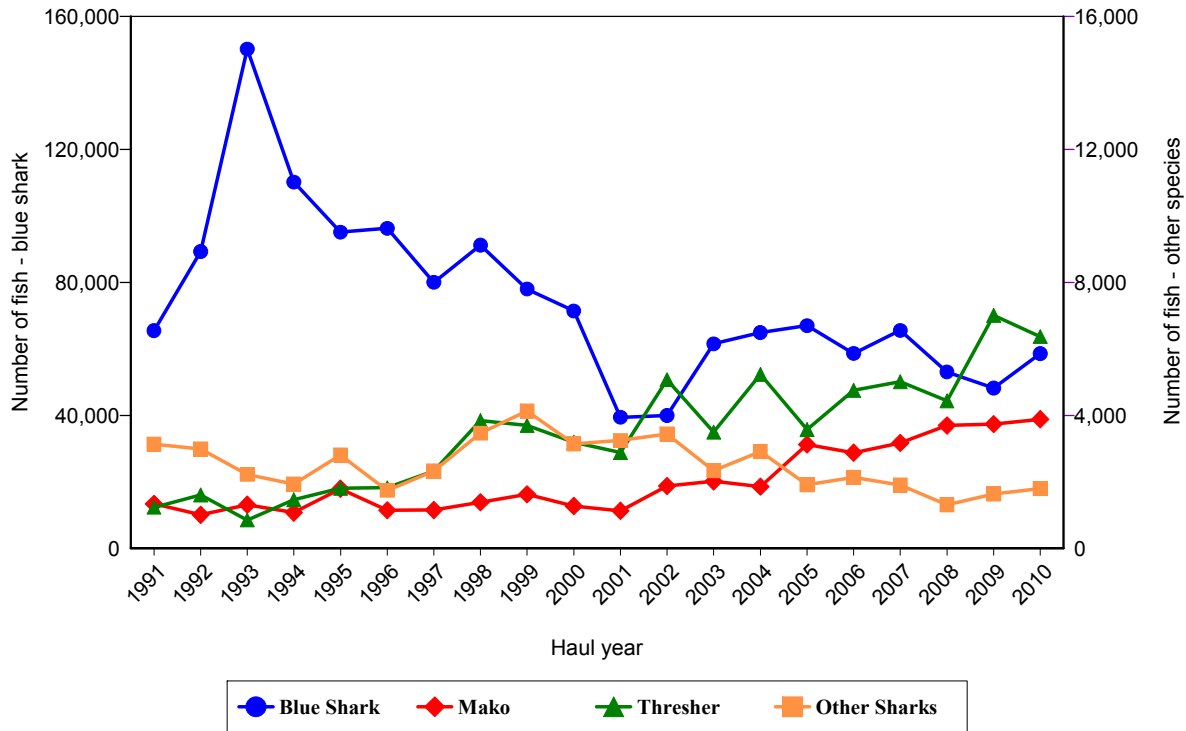
**Figure 3.** Number of hooks set by longline vessels based and landing in Hawaii, by year and fishing area, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:00:53AM]



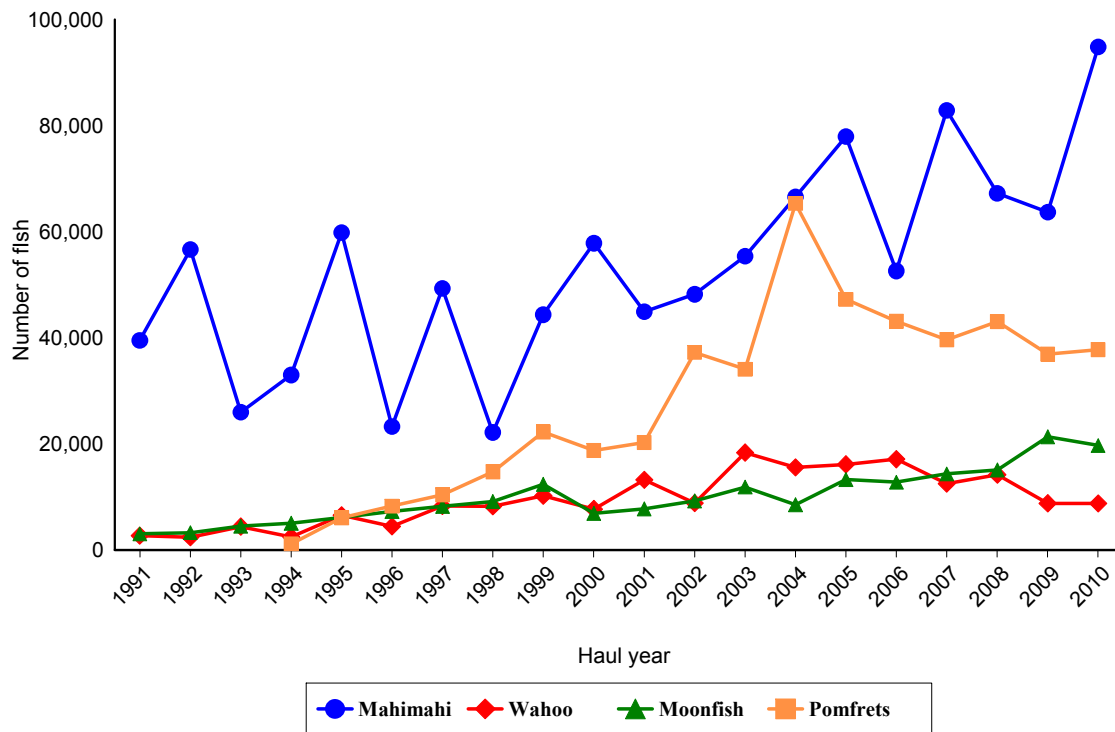
**Figure 4.** Annual catch of albacore, bigeye tuna, and yellowfin tuna by longline vessels based and landing in Hawaii, .1991-2010 2/10/2011 11:01:20AM]



**Figure 5.** Annual catch of blue marlin, striped marlin, and swordfish by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:01:20AM]



**Figure 6.** Annual catch of blue shark, mako shark, thresher shark, and other sharks by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:01:20AM]



**Figure 7.** Annual catch of mahimahi, moonfish, pomfret, and wahoo by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 2/10/2011 11:01:20AM]