

## **PIFSC Report on the American Samoa Limited-access Longline Fishery from 1 January to 31 December 2015<sup>1</sup>**

Fisheries Research and Monitoring Division  
Pacific Islands Fisheries Science Center

The following tables represent effort, retained catch (kept) and discards as reported on longline logsheets for the American Samoa limited-access longline fishery. The following figures represent quarterly data for effort, catch (kept) and catch-per-unit-effort (CPUE) from 1997 to 2015. Effort and catch effort statistics are based on date of longline haul. Effort and catch statistics are based on logbook data submitted to the PIFSC, FRMD and represent an Oracle table LLDS\_REPORT\_STATS\_AS database extraction done on February 29, 2016.

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<sup>1</sup>PIFSC Data Report DR-16-005  
Issued \_ March 03, 2016

**Table 1.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa 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 January - 31 December, 2015	20		
Set Types	All Sets	Number of trips (partial or completed) 197		
Fishing Area	All Areas	Number of sets 2,611		
		Number of hooks set 7,344,448		

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	761	409	352	0.10
Striped marlin	169	108	61	0.02
Shortbill spearfish	404	58	346	0.06
Swordfish	179	134	45	0.02
Other billfishes	175	70	105	0.02
<b>Total</b>	<b>1,688</b>	<b>779</b>	<b>909</b>	<b>0.23</b>
<b>Shark PMUS</b>				
Blue shark	3,549	16	3,533	0.48
Mako sharks	418	6	412	0.06
Thresher sharks	291	1	290	0.04
Oceanic whitetip shark	652	5	647	0.09
Silky shark	861	0	861	0.12
Other Sharks	0	0	0	0.00
<b>Total</b>	<b>5,771</b>	<b>28</b>	<b>5,743</b>	<b>0.79</b>
<b>Tuna PMUS</b>				
Albacore	94,461	94,005	456	12.86
Bigeye tuna	4,272	4,106	166	0.58
Yellowfin tuna	19,560	18,835	725	2.66
Bluefin tuna	53	53	0	0.01
Skipjack tuna	13,892	13,617	275	1.89
Other tunas	0	0	0	0.00
<b>Total</b>	<b>132,238</b>	<b>130,616</b>	<b>1,622</b>	<b>18.01</b>
<b>Other PMUS</b>				
Mahimahi	541	506	35	0.07
Moonfish	214	76	138	0.03
Wahoo	4,919	4,775	144	0.67
Oilfish	6,014	31	5,983	0.82
Pomfret	0	0	0	0.00
<b>Total</b>	<b>11,688</b>	<b>5,388</b>	<b>6,300</b>	<b>1.59</b>
<b>Total PMUS</b>	<b>151,385</b>	<b>136,811</b>	<b>14,574</b>	<b>20.61</b>
<b>Total Non-PMUS</b>	<b>1,294</b>	<b>104</b>	<b>1,190</b>	<b>0.18</b>
<b>Total All Species</b>	<b>152,679</b>	<b>136,915</b>	<b>15,764</b>	<b>20.79</b>

**Table 2.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa 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 - 31 December, 2015	Number of vessels active	20	
Set Types	All Sets	Number of trips (partial or completed)	196	
Fishing Area	American Samoa EEZ	Number of sets	2,565	
		Number of hooks set	7,196,142	

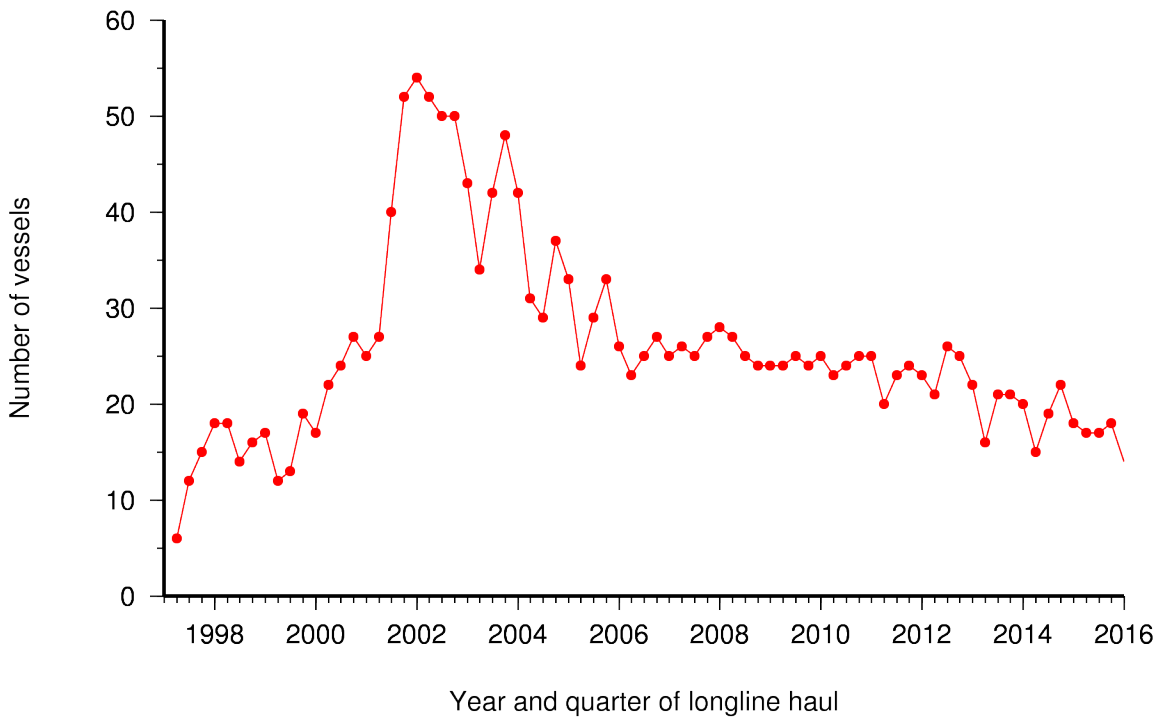
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	752	409	343	0.10
Striped marlin	166	108	58	0.02
Shortbill spearfish	395	57	338	0.05
Swordfish	174	133	41	0.02
Other billfishes	175	70	105	0.02
<b>Total</b>	<b>1,662</b>	<b>777</b>	<b>885</b>	<b>0.23</b>
<b>Shark PMUS</b>				
Blue shark	3,384	11	3,373	0.47
Mako sharks	410	5	405	0.06
Thresher sharks	281	0	281	0.04
Oceanic whitetip shark	639	5	634	0.09
Silky shark	854	0	854	0.12
Other Sharks	0	0	0	0.00
<b>Total</b>	<b>5,568</b>	<b>21</b>	<b>5,547</b>	<b>0.77</b>
<b>Tuna PMUS</b>				
Albacore	93,389	92,939	450	12.98
Bigeye tuna	4,206	4,044	162	0.58
Yellowfin tuna	19,456	18,731	725	2.70
Bluefin tuna	47	47	0	0.01
Skipjack tuna	13,689	13,414	275	1.90
Other tunas	0	0	0	0.00
<b>Total</b>	<b>130,787</b>	<b>129,175</b>	<b>1,612</b>	<b>18.17</b>
<b>Other PMUS</b>				
Mahimahi	515	492	23	0.07
Moonfish	204	76	128	0.03
Wahoo	4,823	4,680	143	0.67
Oilfish	5,797	31	5,766	0.81
Pomfret	0	0	0	0.00
<b>Total</b>	<b>11,339</b>	<b>5,279</b>	<b>6,060</b>	<b>1.58</b>
<b>Total PMUS</b>	<b>149,356</b>	<b>135,252</b>	<b>14,104</b>	<b>20.76</b>
<b>Total Non-PMUS</b>	<b>1,289</b>	<b>104</b>	<b>1,185</b>	<b>0.18</b>
<b>Total All Species</b>	<b>150,645</b>	<b>135,356</b>	<b>15,289</b>	<b>20.93</b>

**Table 3.** Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa 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.

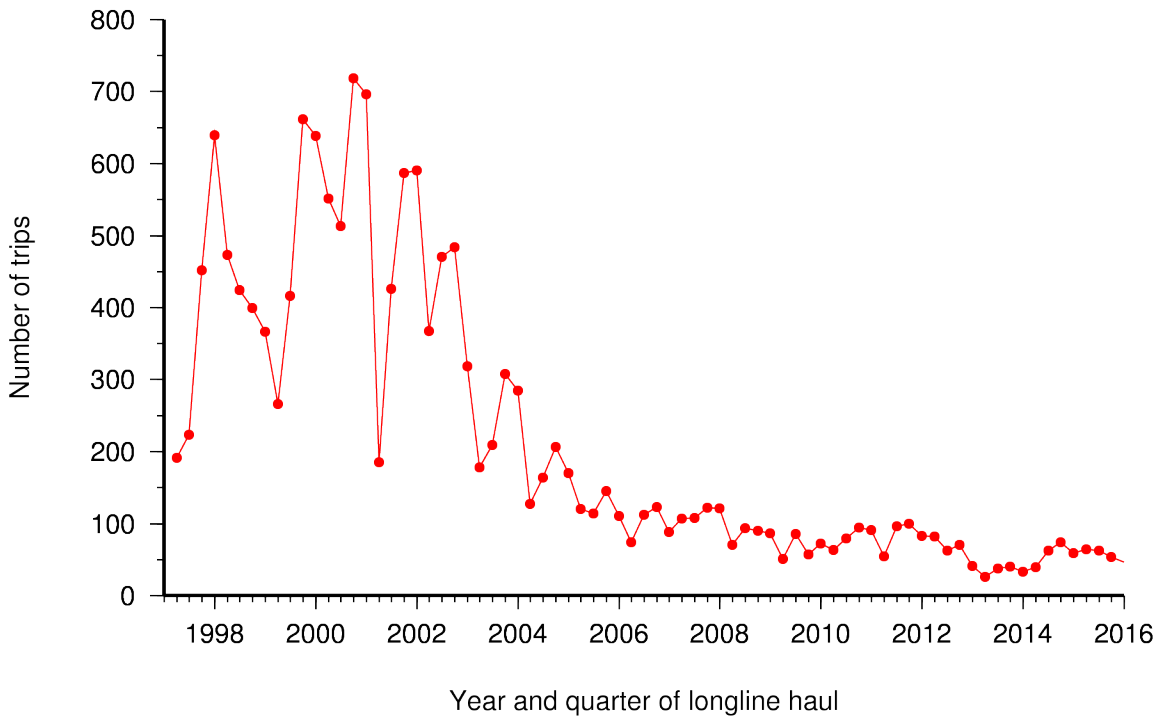
Report Coverage		Number of vessels active		5
Time Period	1 January - 31 December, 2015	Number of trips (partial or completed)		7
Set Types	All Sets	Number of sets		46
Fishing Area	Outside American Samoa EEZ	Number of hooks set		148,306

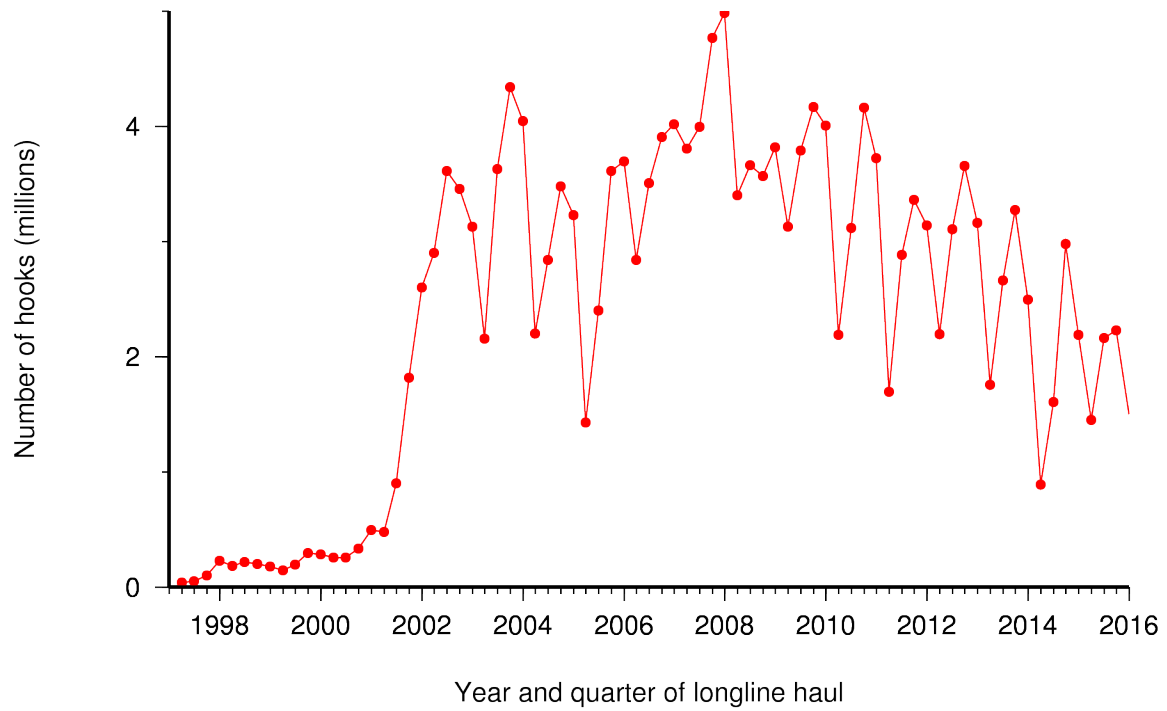
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
<b>PMUS</b>				
<b>Billfish PMUS</b>				
Blue marlin	9	0	9	0.06
Striped marlin	3	0	3	0.02
Shortbill spearfish	9	1	8	0.06
Swordfish	5	1	4	0.03
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>26</b>	<b>2</b>	<b>24</b>	<b>0.18</b>
<b>Shark PMUS</b>				
Blue shark	165	5	160	1.11
Mako sharks	8	1	7	0.05
Thresher sharks	10	1	9	0.07
Oceanic whitetip shark	13	0	13	0.09
Silky shark	7	0	7	0.05
Other Sharks	0	0	0	0.00
<b>Total</b>	<b>203</b>	<b>7</b>	<b>196</b>	<b>1.37</b>
<b>Tuna PMUS</b>				
Albacore	1,072	1,066	6	7.23
Bigeye tuna	66	62	4	0.45
Yellowfin tuna	104	104	0	0.70
Bluefin tuna	6	6	0	0.04
Skipjack tuna	203	203	0	1.37
Other tunas	0	0	0	0.00
<b>Total</b>	<b>1,451</b>	<b>1,441</b>	<b>10</b>	<b>9.78</b>
<b>Other PMUS</b>				
Mahimahi	26	14	12	0.18
Moonfish	10	0	10	0.07
Wahoo	96	95	1	0.65
Oilfish	217	0	217	1.46
Pomfret	0	0	0	0.00
<b>Total</b>	<b>349</b>	<b>109</b>	<b>240</b>	<b>2.35</b>
<b>Total PMUS</b>	<b>2,029</b>	<b>1,559</b>	<b>470</b>	<b>13.68</b>
<b>Total Non-PMUS</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>0.03</b>
<b>Total All Species</b>	<b>2,034</b>	<b>1,559</b>	<b>475</b>	<b>13.71</b>



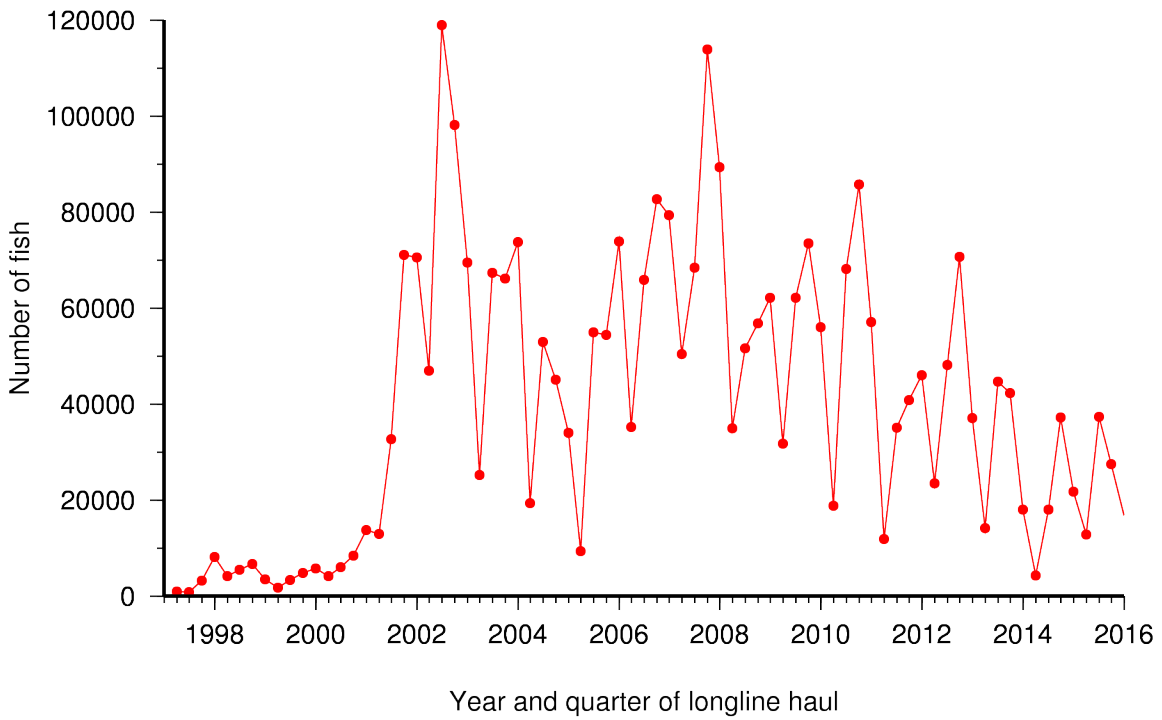
**Figure 1.** Number of active longline vessels based and landing in American Samoa, by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:49]



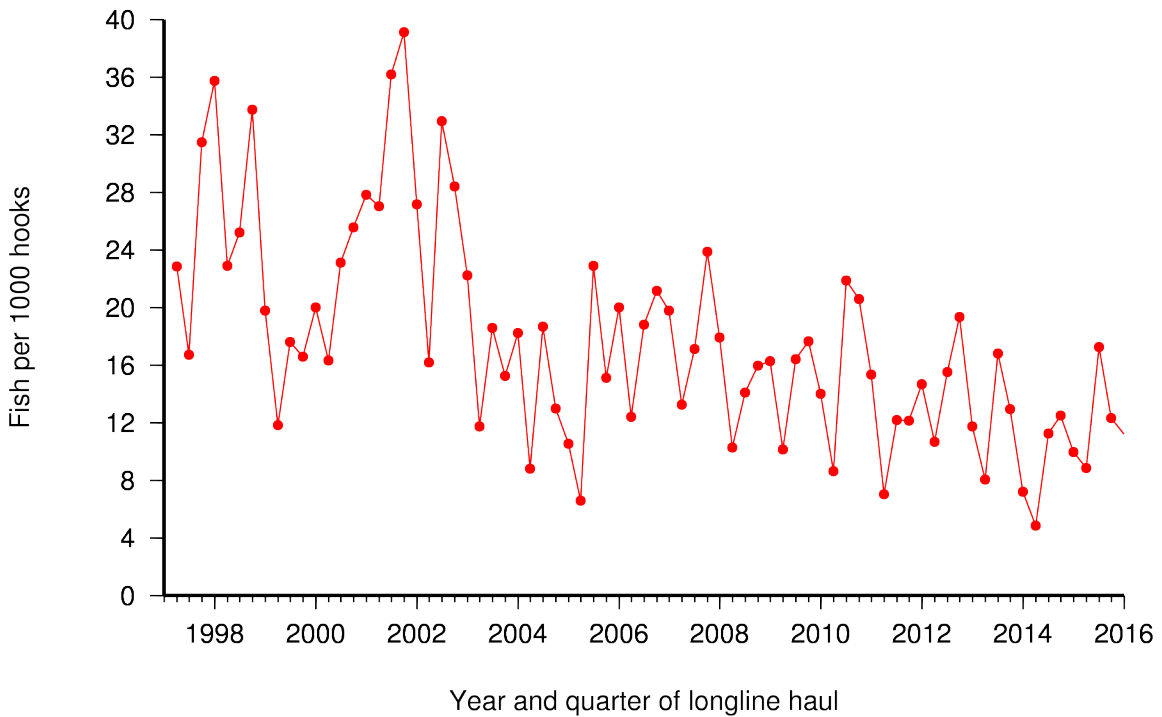
**Figure 2.** Number of fishing trips by longline vessels based in American Samoa, by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:49]



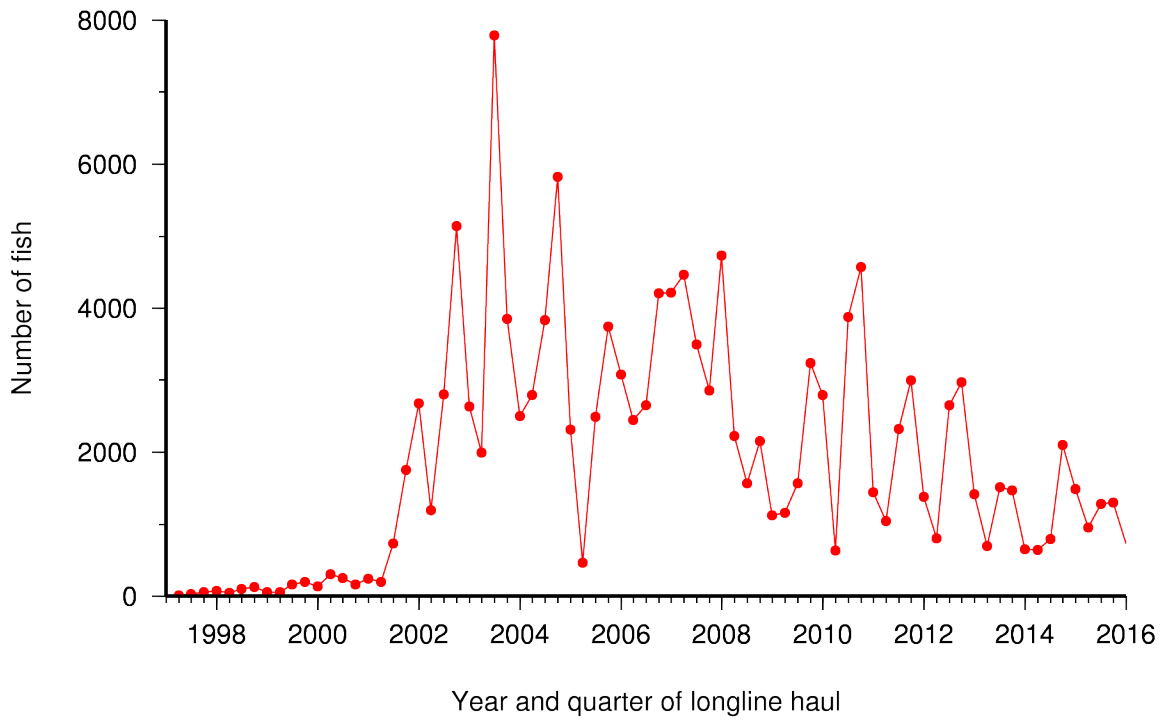
**Figure 3.** Number of hooks set by longline vessels based and landing in American Samoa by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:53]



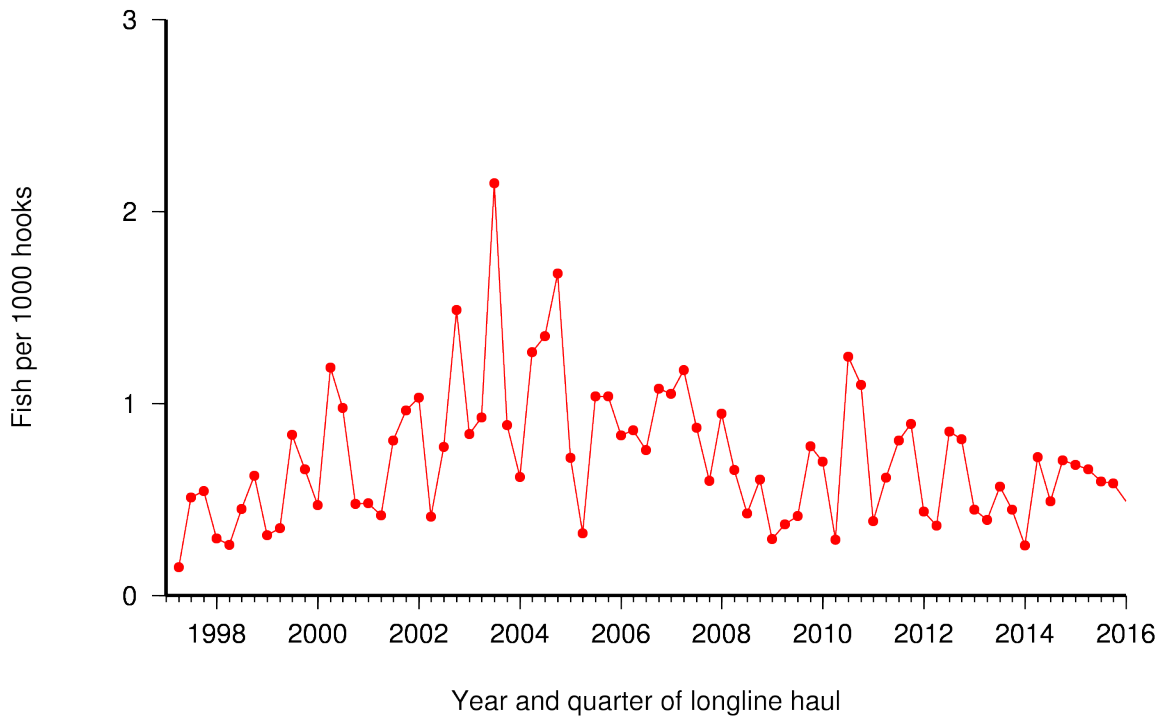
**Figure 4.** Quarterly catch of albacore by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:48]



**Figure 5.** Quarterly CPUE of albacore (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:48]

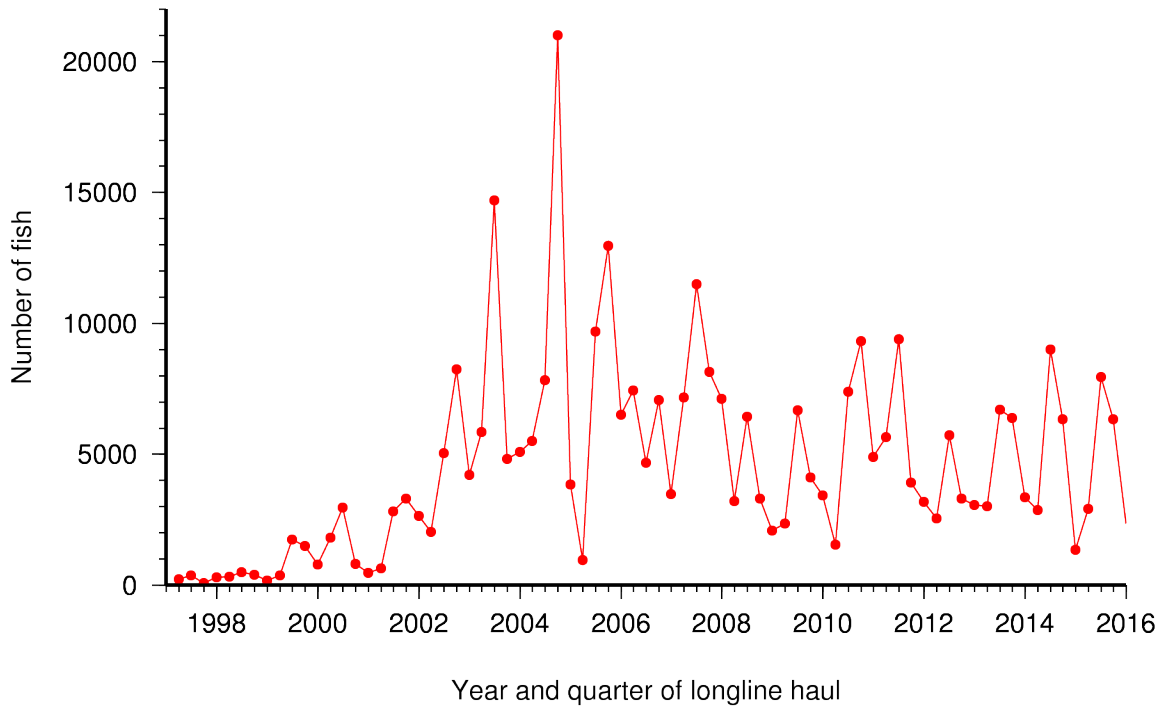


**Figure 6.** Quarterly catch of bigeye tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:54]

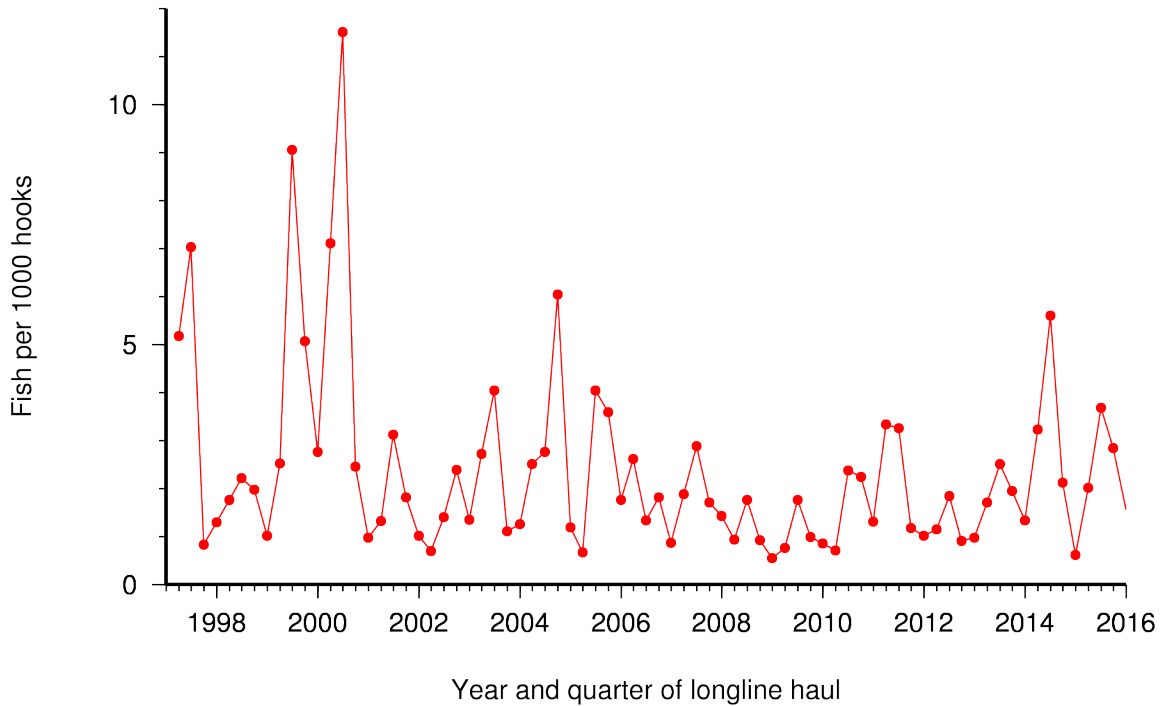


**Figure 7.** Quarterly CPUE of bigeye tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:54]

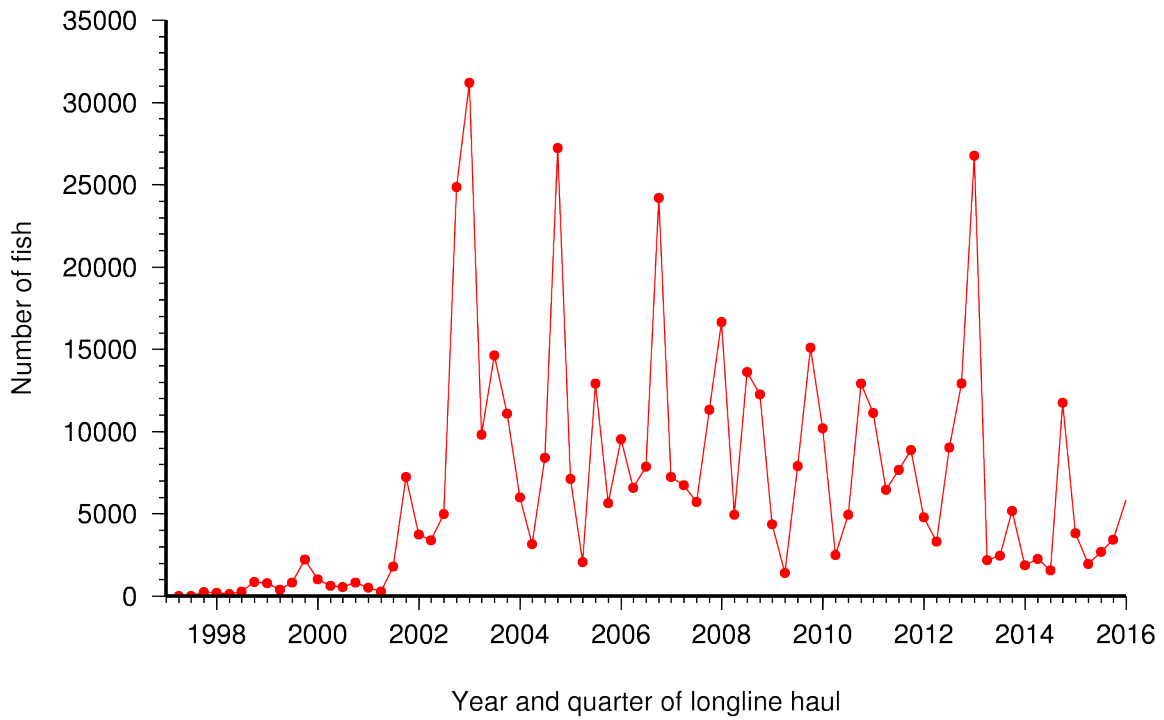




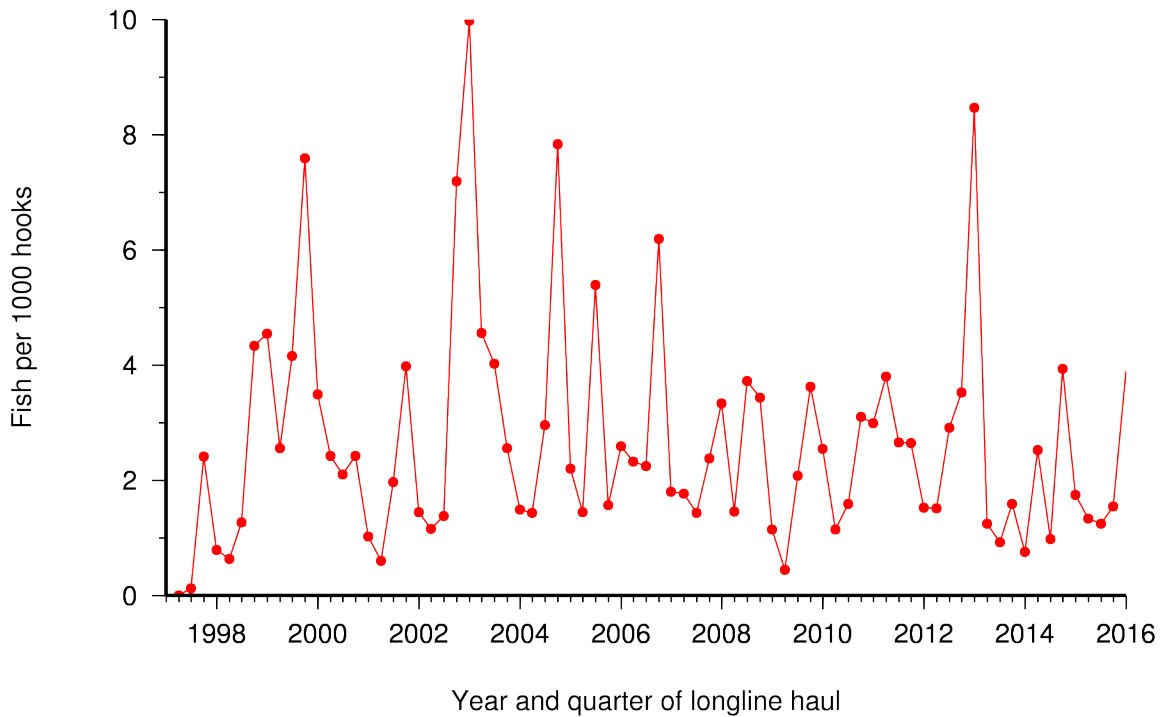
**Figure 8.** Quarterly catch of yellowfin tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:57]



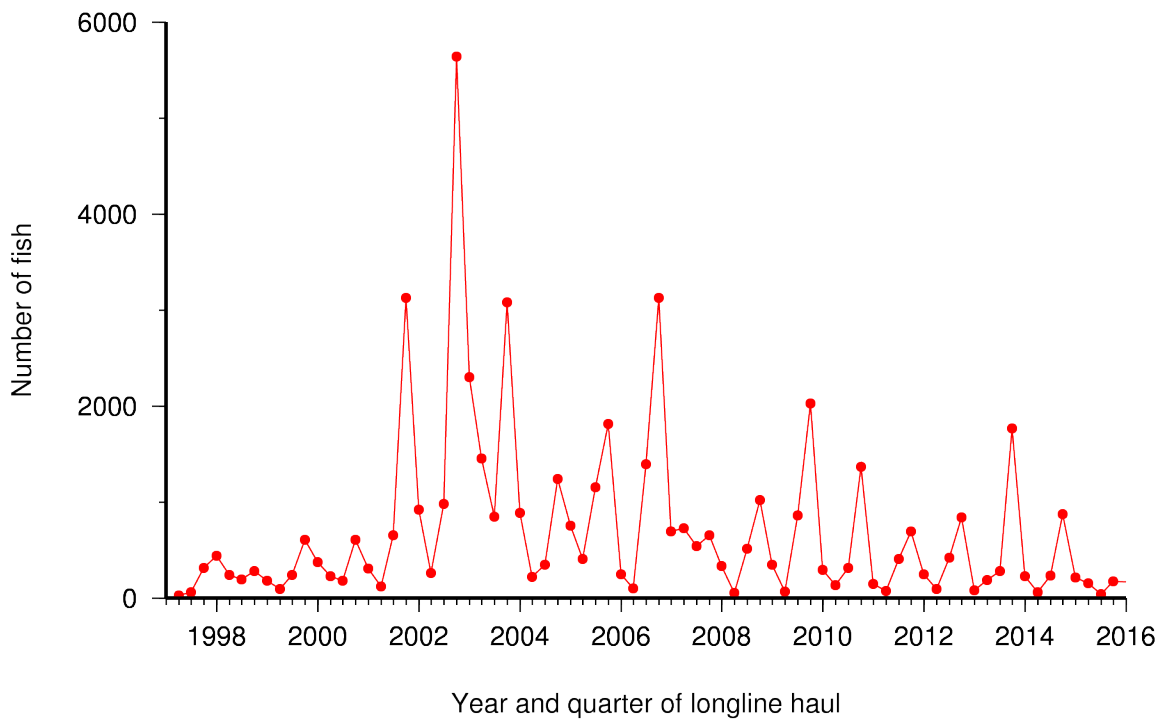
**Figure 9.** Quarterly CPUE of yellowfin tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:57]



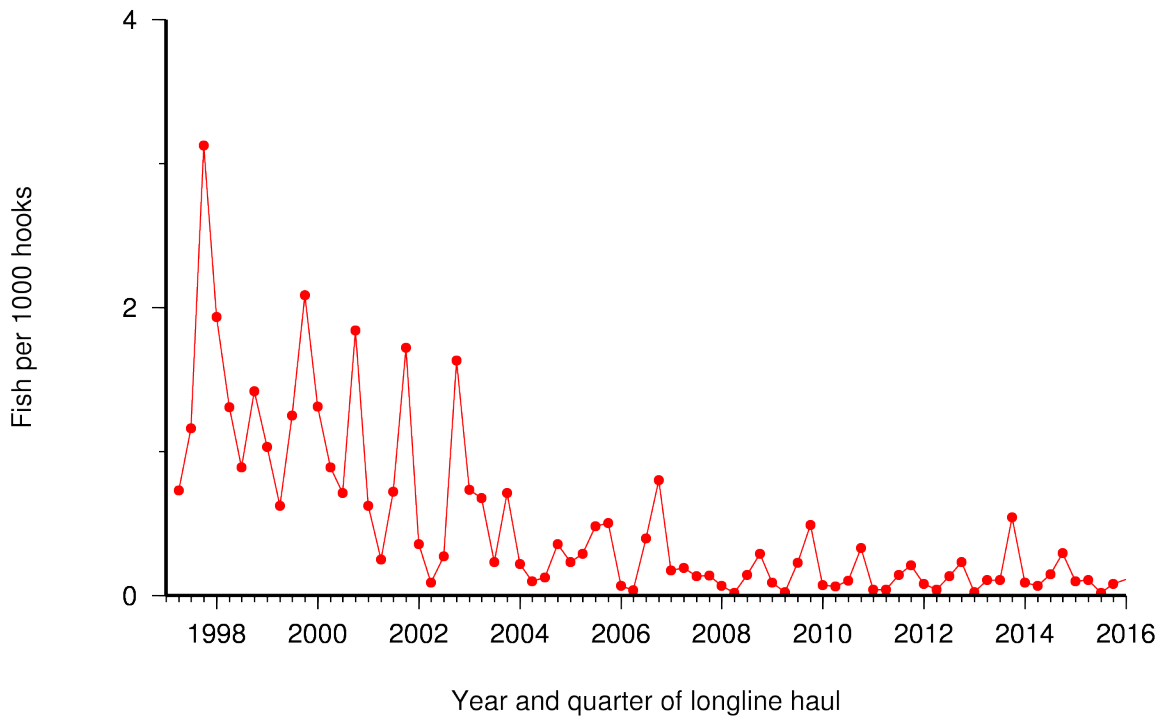
**Figure 10.** Quarterly catch of skipjack tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:59]



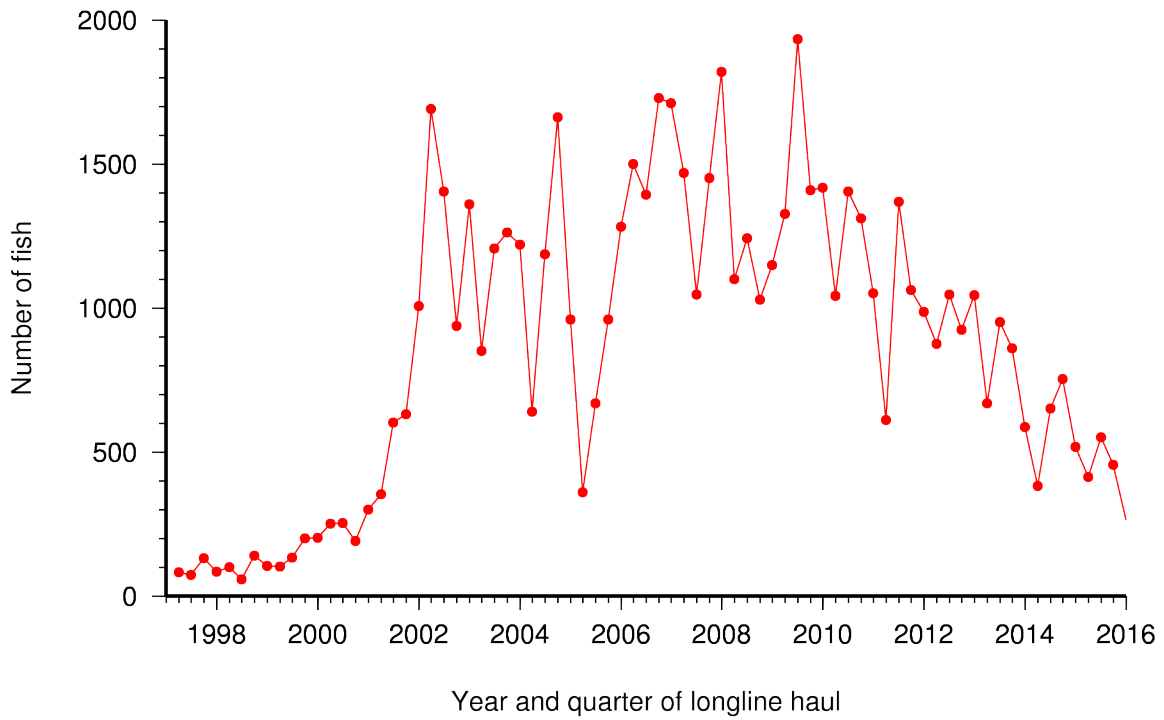
**Figure 11.** Quarterly CPUE of skipjack tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:59]



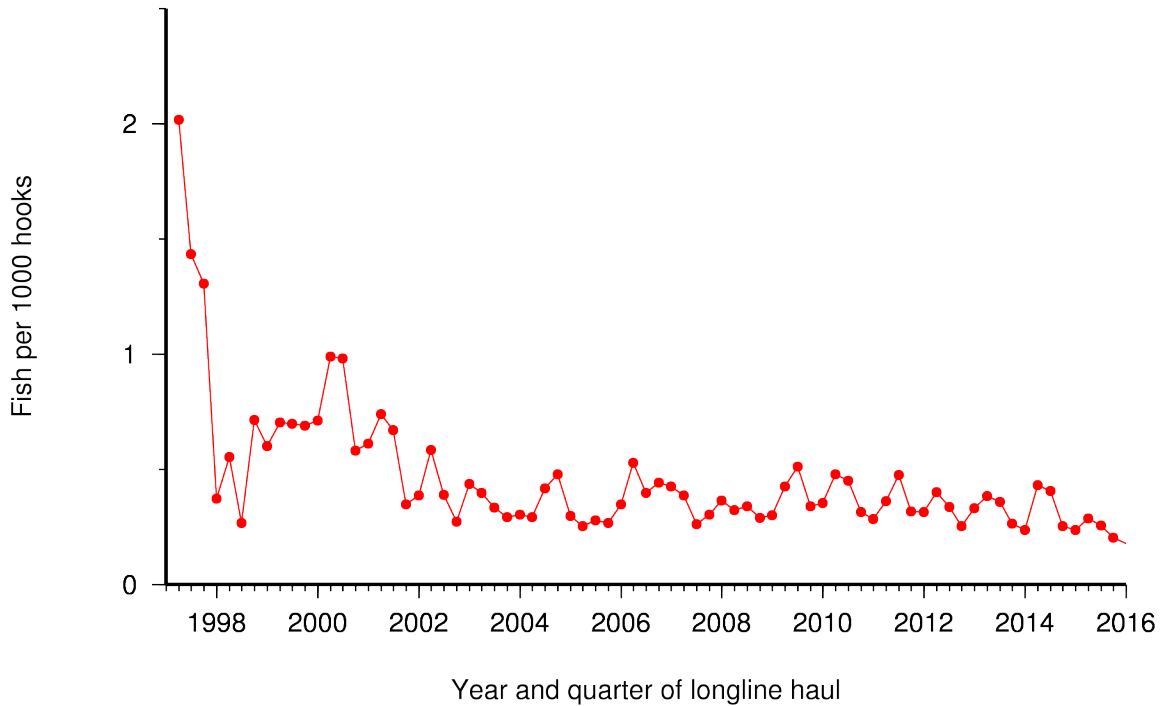
**Figure 12.** Quarterly catch of mahimahi by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:01]



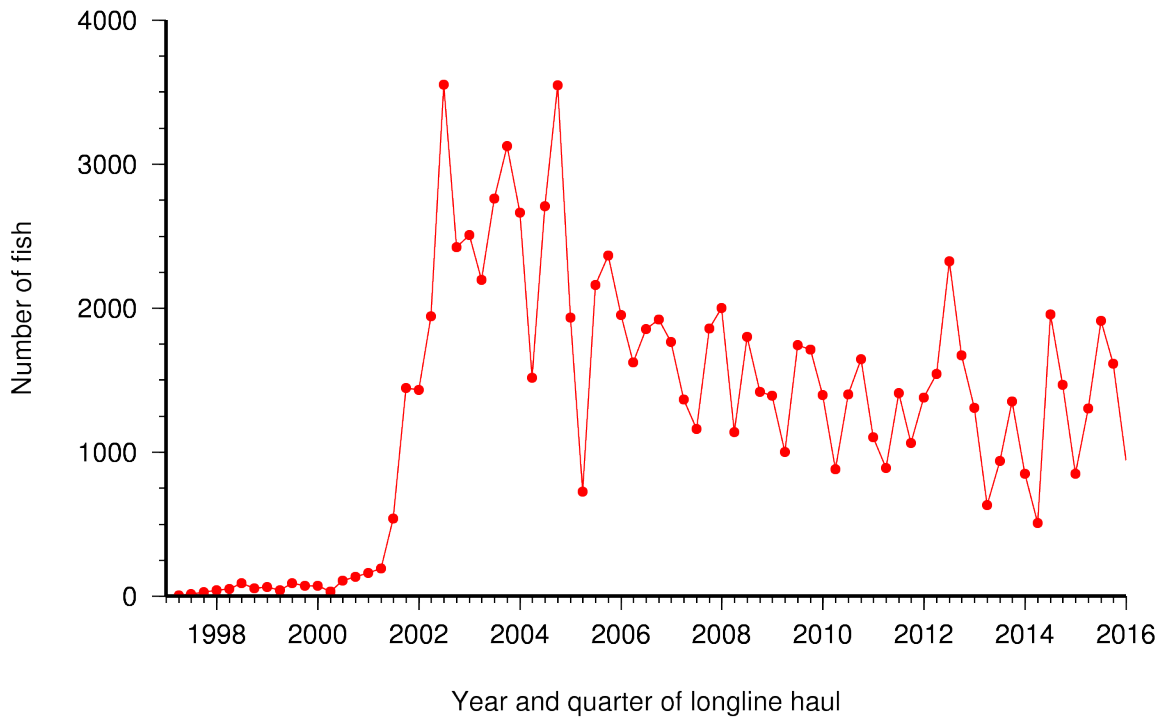
**Figure 13.** Quarterly CPUE of mahimahi (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:01]



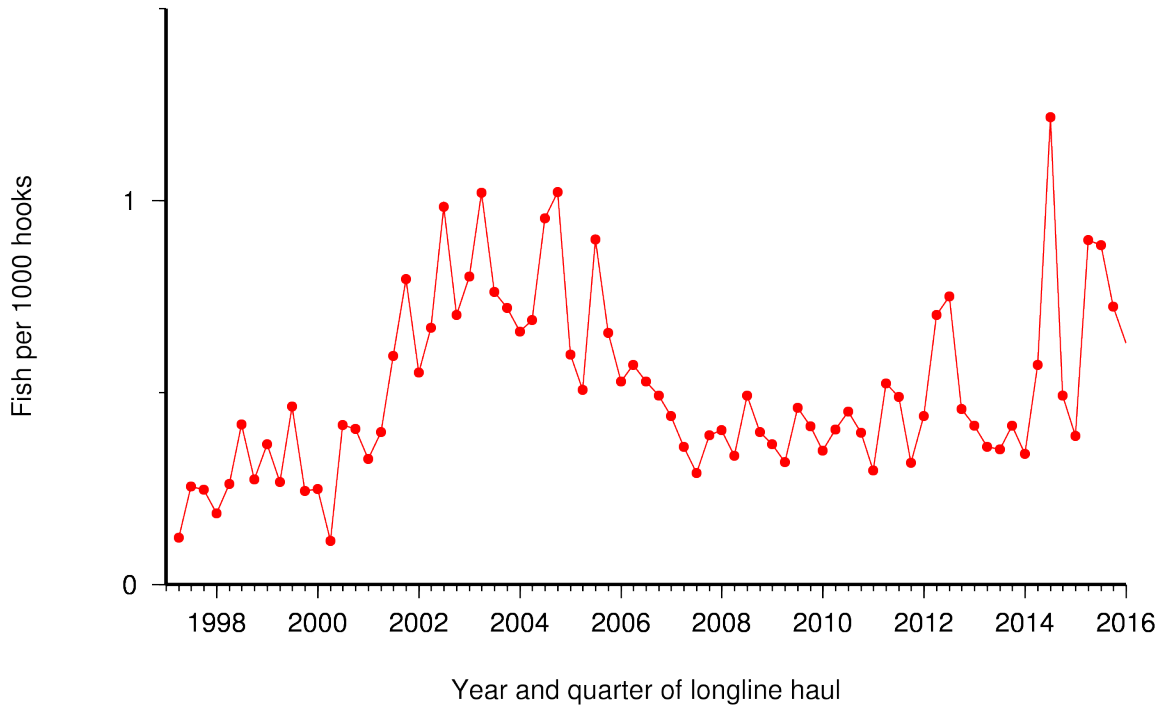
**Figure 14.** Quarterly catch of billfish by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:03]



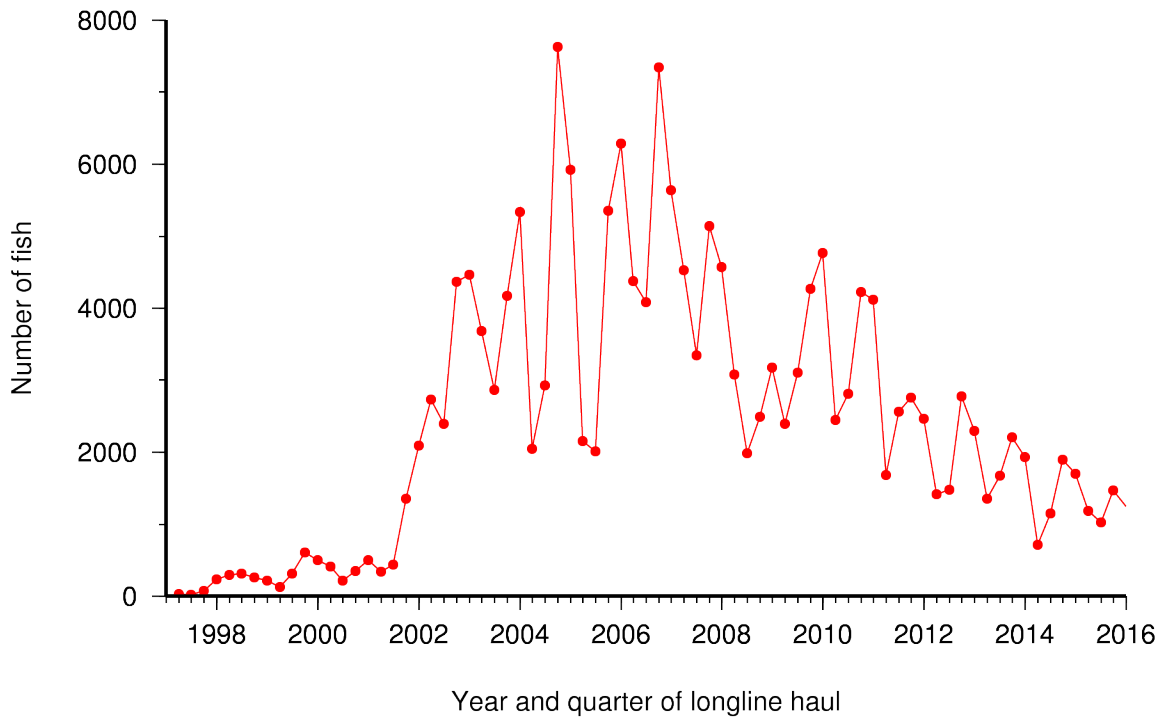
**Figure 15.** Quarterly CPUE of billfish (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:03]



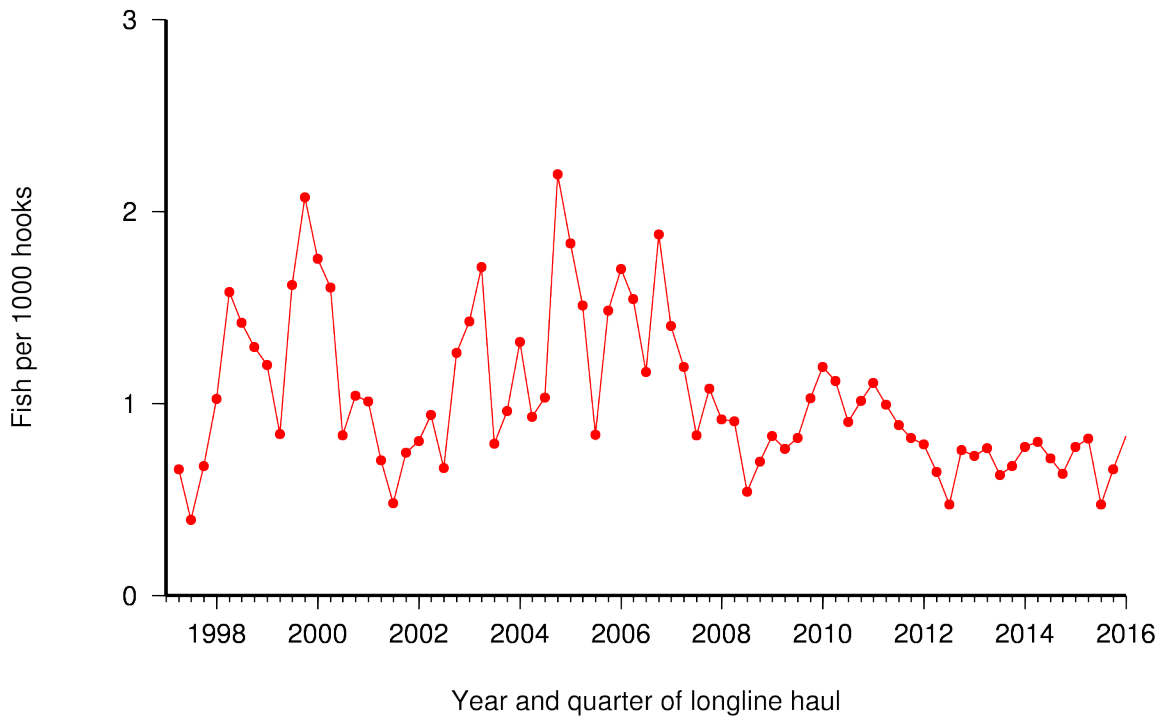
**Figure 16.** Quarterly catch of sharks by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:05]



**Figure 17.** Quarterly CPUE of sharks (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:05]



**Figure 18.** Quarterly catch of wahoo by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:07]



**Figure 19.** Quarterly CPUE of wahoo (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:07]