

**PIFSC Report on the American Samoa Limited-access Longline Fishery
from 1 January to 31 December 2016¹**

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The following tables represent effort, retained catch (kept), and discards as reported on longline logsheets for the American Samoa limited-access longline fishery. 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 15 February 2017. 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 statistics are not additive (i.e. sum of 4 quarters is not the total for the year, etc).

Note: these estimates are preliminary as the catch and effort data were included up to 10 October, 2016.

¹PIFSC Data Report DR-17-004

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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

Time Period 2016
Set Types All Sets
Fishing Area All Areas

Number of vessels active	17
Number of trips (partial or completed)	135
Number of sets	1,147
Number of hooks set	3,114,578

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	321	276	45	0.10
Striped marlin	26	26	0	0.01
Shortbill spearfish	142	69	73	0.05
Swordfish	50	36	14	0.02
Other billfishes	94	55	39	0.03
Total	633	462	171	0.20
Shark PMUS				
Blue shark	1,992	18	1,974	0.64
Mako sharks	107	3	104	0.03
Thresher sharks	180	2	178	0.06
Oceanic whitetip shark	514	1	513	0.17
Silky shark	185	0	185	0.06
Other Sharks	35	0	35	0.01
Total	3,013	24	2,989	0.97
Tuna PMUS				
Albacore	38,248	37,799	449	12.28
Bigeye tuna	1,385	1,362	23	0.44
Yellowfin tuna	9,062	8,913	149	2.91
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,289	5,223	66	1.70
Other tunas	0	0	0	0.00
Total	53,984	53,297	687	17.33
Other PMUS				
Mahimahi	298	282	16	0.10
Wahoo	1,685	1,672	13	0.54
Oilfish	1,733	29	1,704	0.56
Pomfret	212	38	174	0.07
Total	3,928	2,021	1,907	1.26
Total PMUS	61,558	55,804	5,754	19.76
Total Non-PMUS	1,778	58	1,720	0.57
Total All Species	63,336	55,862	7,474	20.34

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 2016
Set Types All Sets
Fishing Area Swains LVPA

Number of vessels active	6
Number of trips (partial or completed)	8
Number of sets	56
Number of hooks set	180,072

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	25	19	6	0.14
Striped marlin	0	0	0	0.00
Shortbill spearfish	13	2	11	0.07
Swordfish	2	1	1	0.01
Other billfishes	9	5	4	0.05
Total	49	27	22	0.27
Shark PMUS				
Blue shark	63	0	63	0.35
Mako sharks	0	0	0	0.00
Thresher sharks	5	0	5	0.03
Oceanic whitetip shark	52	0	52	0.29
Silky shark	41	0	41	0.23
Other Sharks	1	0	1	0.01
Total	162	0	162	0.90
Tuna PMUS				
Albacore	3,344	3,339	5	18.57
Bigeye tuna	170	170	0	0.94
Yellowfin tuna	614	612	2	3.41
Bluefin tuna	0	0	0	0.00
Skipjack tuna	461	461	0	2.56
Other tunas	0	0	0	0.00
Total	4,589	4,582	7	25.48
Other PMUS				
Mahimahi	7	5	2	0.04
Wahoo	81	81	0	0.45
Oilfish	111	6	105	0.62
Pomfret	25	3	22	0.14
Total	224	95	129	1.24
Total PMUS	5,024	4,704	320	27.90
Total Non-PMUS	369	1	368	2.05
Total All Species	5,393	4,705	688	29.95

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				
Time Period	2016	Number of vessels active	14	
Set Types	All Sets	Number of trips (partial or completed)	123	
Fishing Area	Tutuila LVPA	Number of sets	195	
		Number of hooks set	302,885	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	13	13	0	0.04
Striped marlin	2	2	0	0.01
Shortbill spearfish	4	4	0	0.01
Swordfish	6	5	1	0.02
Other billfishes	6	5	1	0.02
Total	31	29	2	0.10
Shark PMUS				
Blue shark	151	1	150	0.50
Mako sharks	9	2	7	0.03
Thresher sharks	17	2	15	0.06
Oceanic whitetip shark	49	0	49	0.16
Silky shark	15	0	15	0.05
Other Sharks	2	0	2	0.01
Total	243	5	238	0.80
Tuna PMUS				
Albacore	3,234	3,196	38	10.68
Bigeye tuna	116	114	2	0.38
Yellowfin tuna	1,361	1,335	26	4.49
Bluefin tuna	0	0	0	0.00
Skipjack tuna	425	419	6	1.40
Other tunas	0	0	0	0.00
Total	5,136	5,064	72	16.96
Other PMUS				
Mahimahi	73	71	2	0.24
Wahoo	131	131	0	0.43
Oilfish	102	0	102	0.34
Pomfret	8	6	2	0.03
Total	314	208	106	1.04
Total PMUS	5,724	5,306	418	18.90
Total Non-PMUS	86	2	84	0.28
Total All Species	5,810	5,308	502	19.18

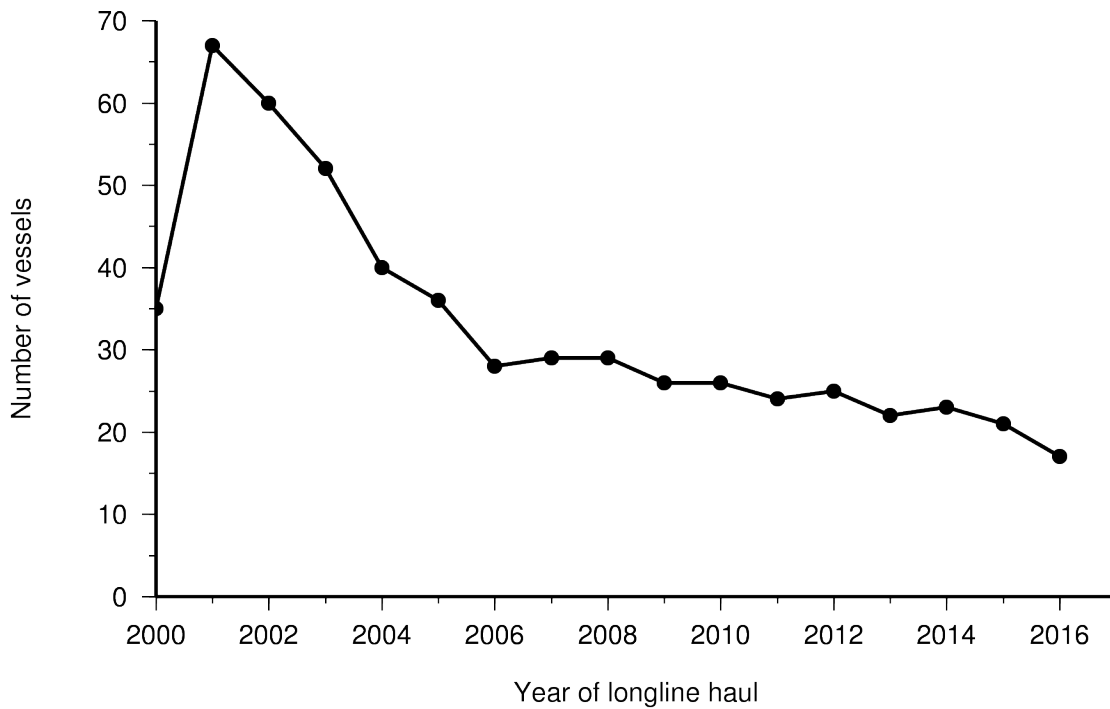


Figure 1. Number of active longline vessels based in American Samoa, by year, 2000-2016.

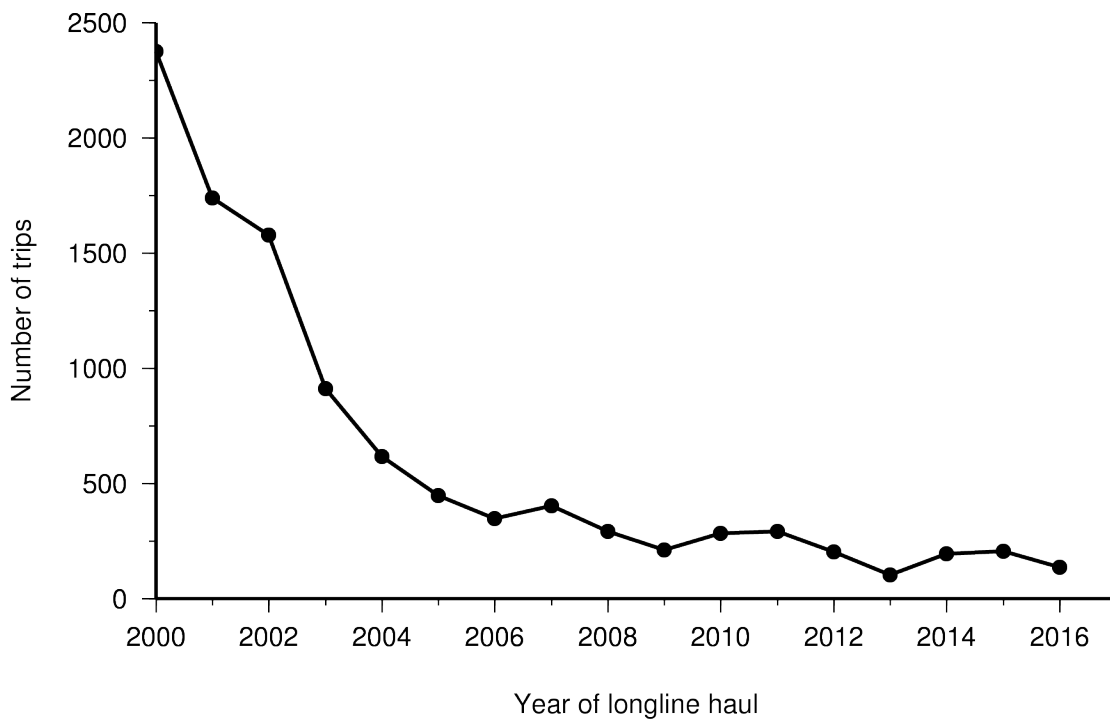


Figure 2. Number of fishing trips by longline vessels based in American Samoa, by year, 2000-2016.

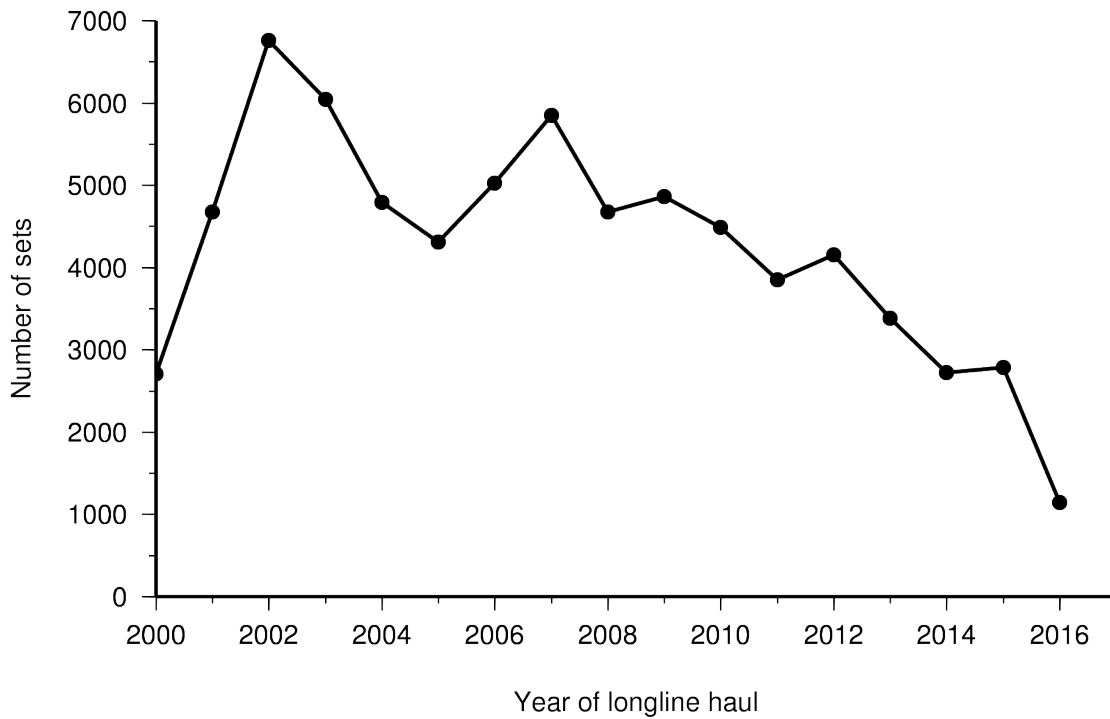


Figure 3. Number of fishing sets by longline vessels based in American Samoa, by year, 2000-2016.

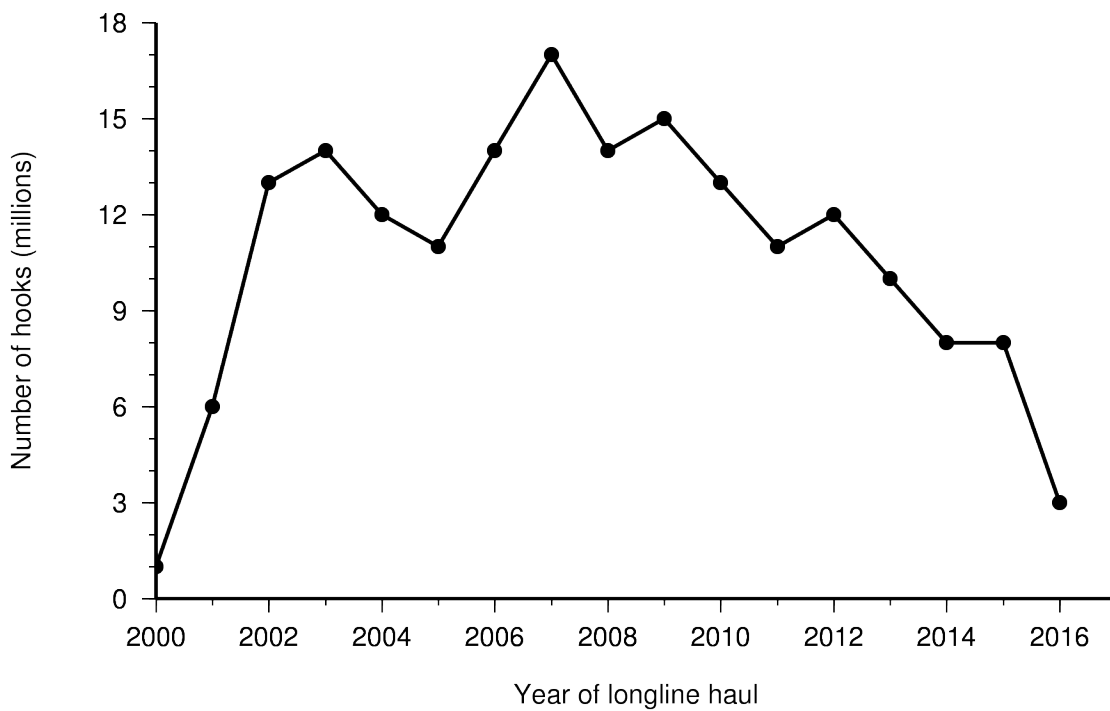


Figure 4. Number of hooks in millions, set by longline vessels based in American Samoa, by year, 2000-2016

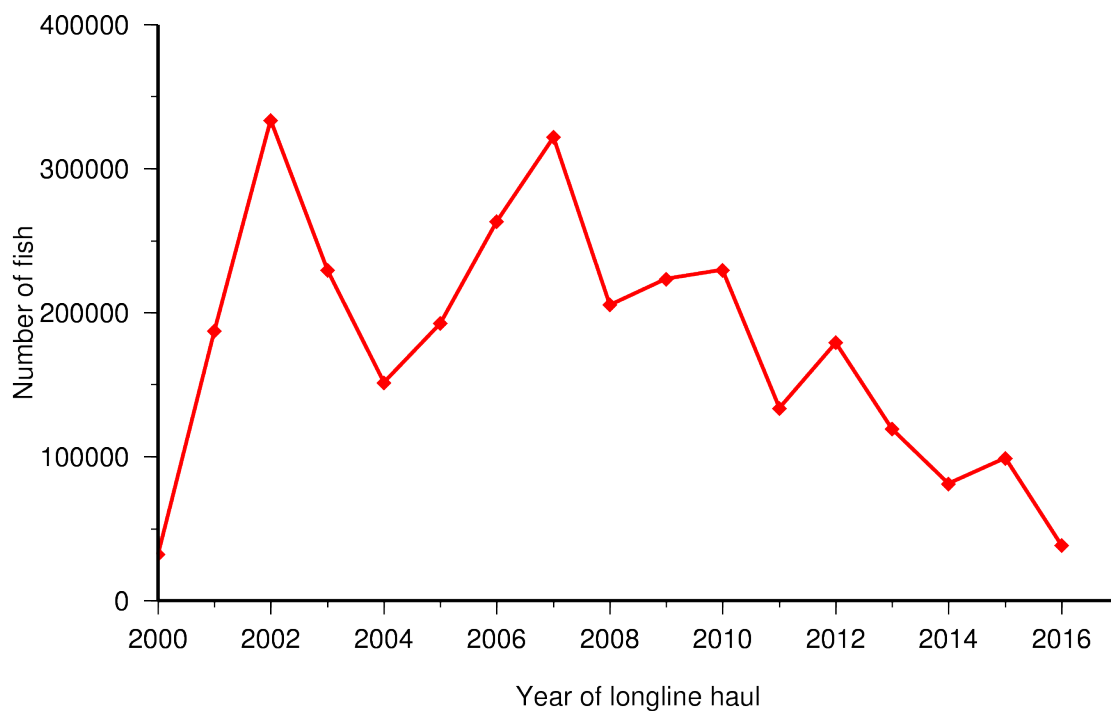


Figure 5. Annual catch (kept + released) of albacore by longline vessels based in American Samoa, 2000-2016.

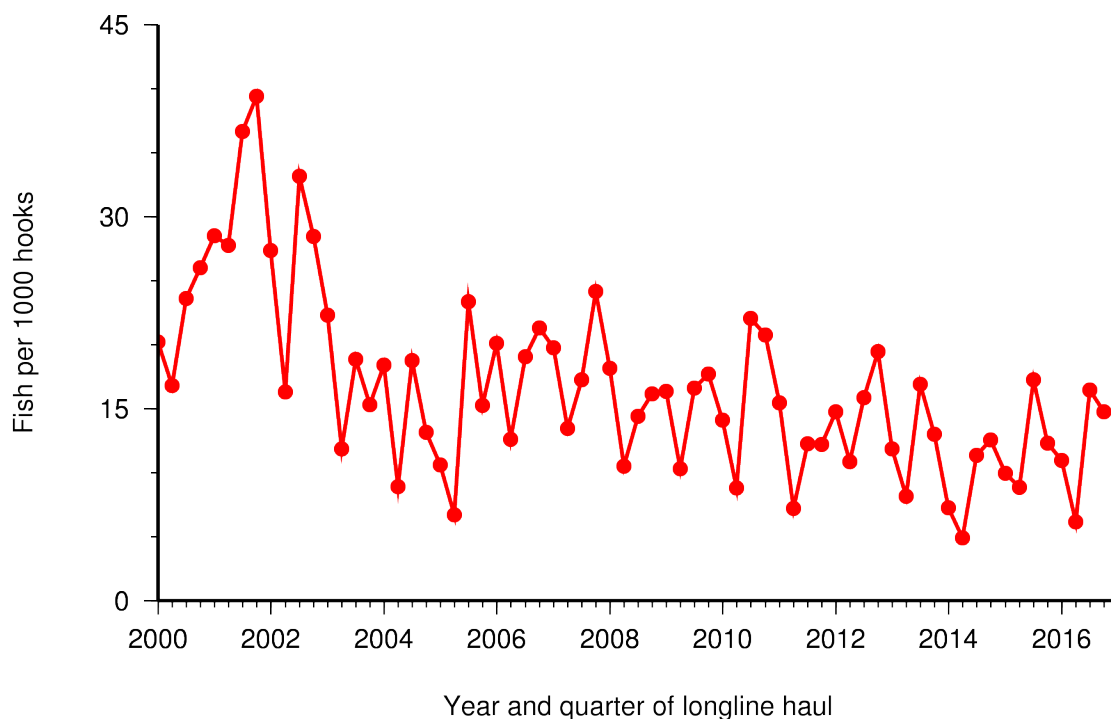


Figure 6. Quarterly CPUE of albacore (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

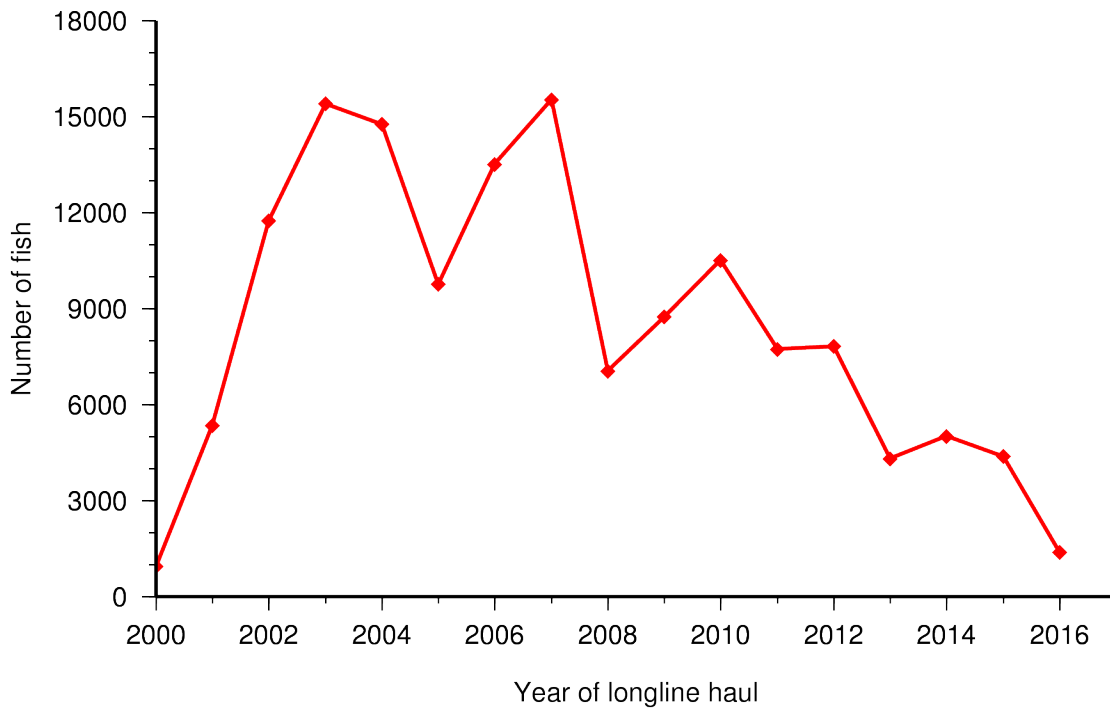


Figure 7. Annual catch (kept + released) of bigeye tuna by longline vessels based in American Samoa, 2000-2016.

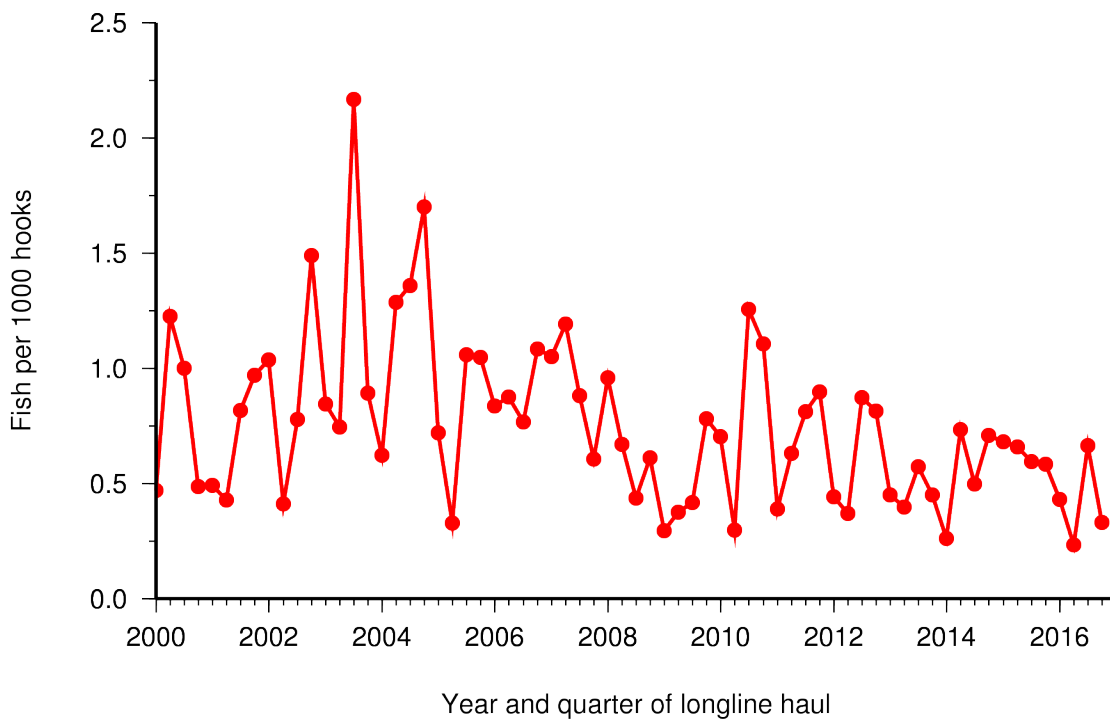


Figure 8. Quarterly CPUE of bigeye tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

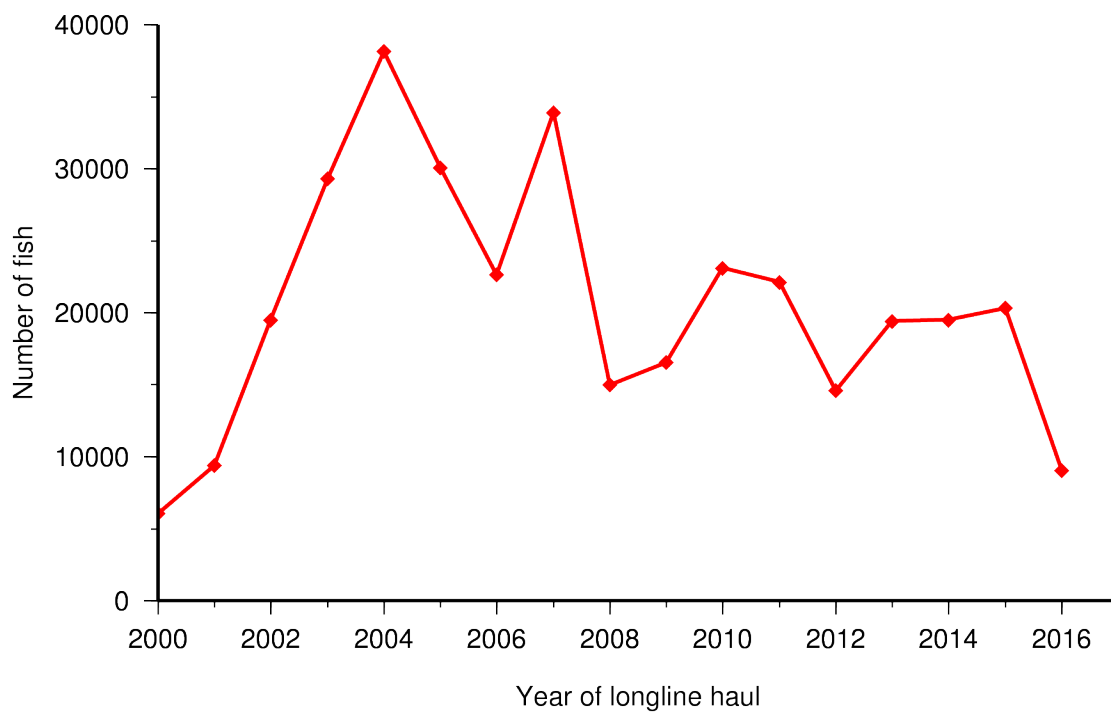


Figure 9. Annual catch (kept + released) of yellowfin tuna by longline vessels based in American Samoa, 2000-2016.

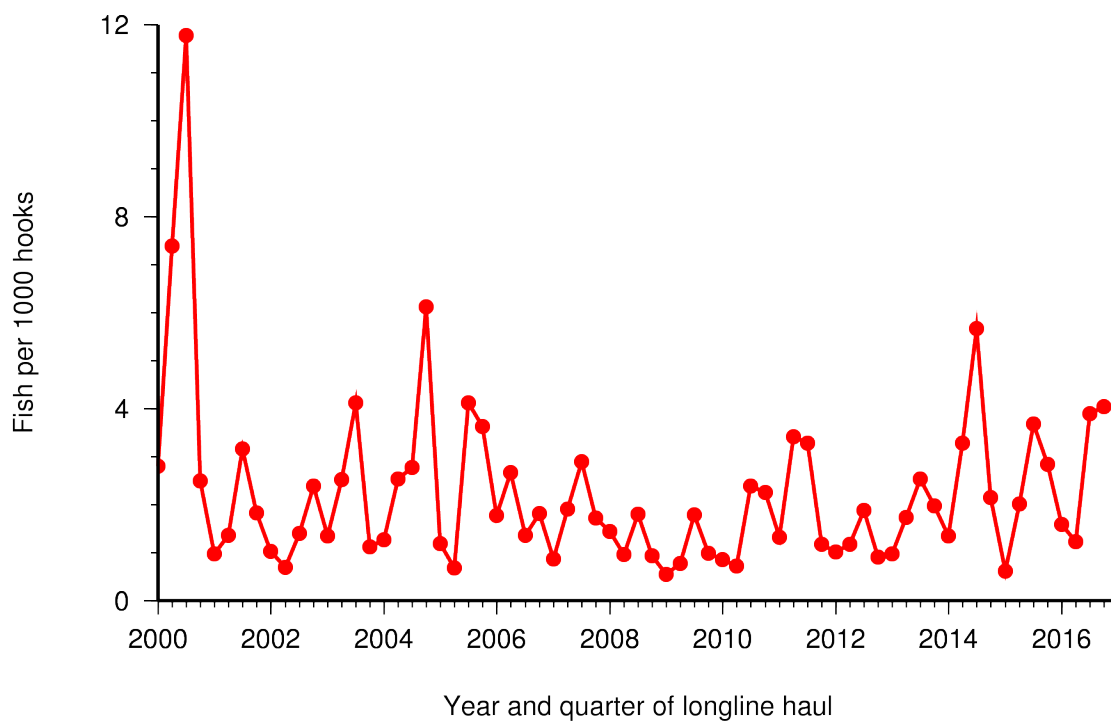


Figure 10. Quarterly CPUE of yellowfin tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

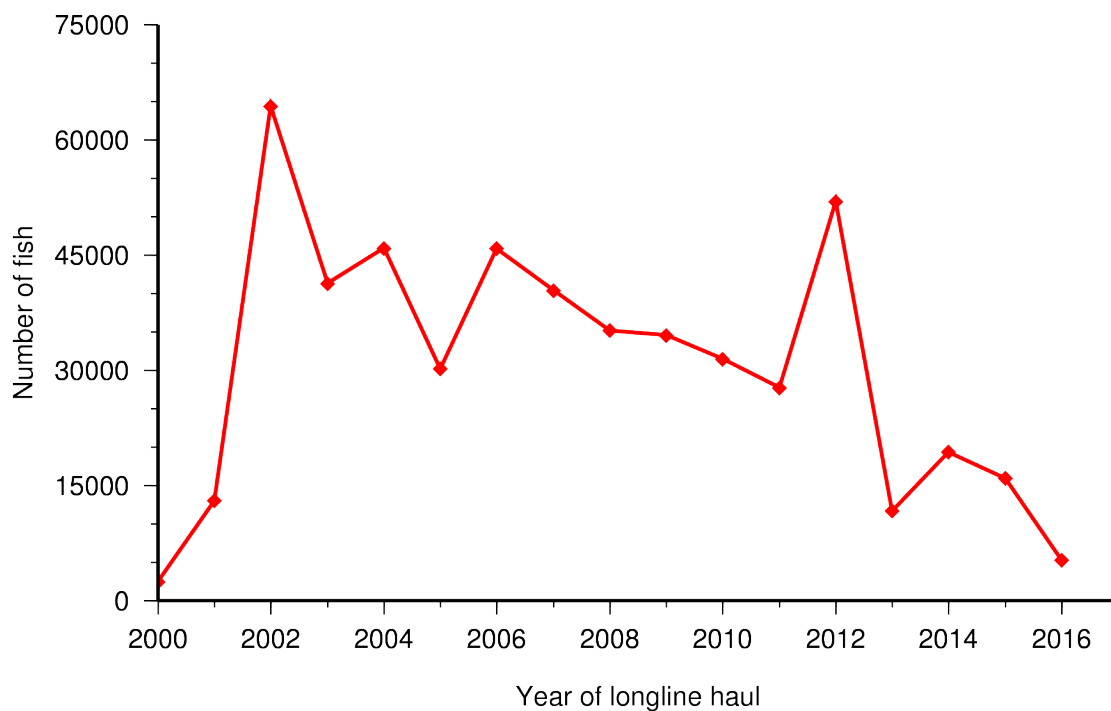


Figure 11. Annual catch (kept + released) of skipjack tuna by longline vessels based in American Samoa, 2000-2016.

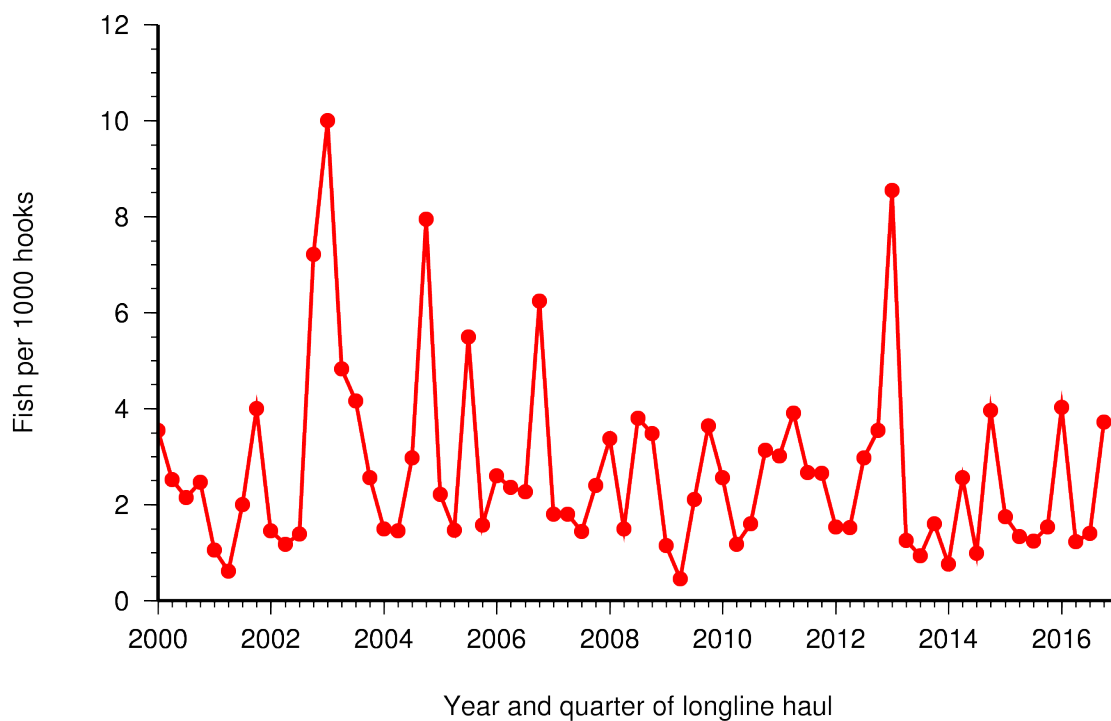


Figure 12. Quarterly CPUE of skipjack tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

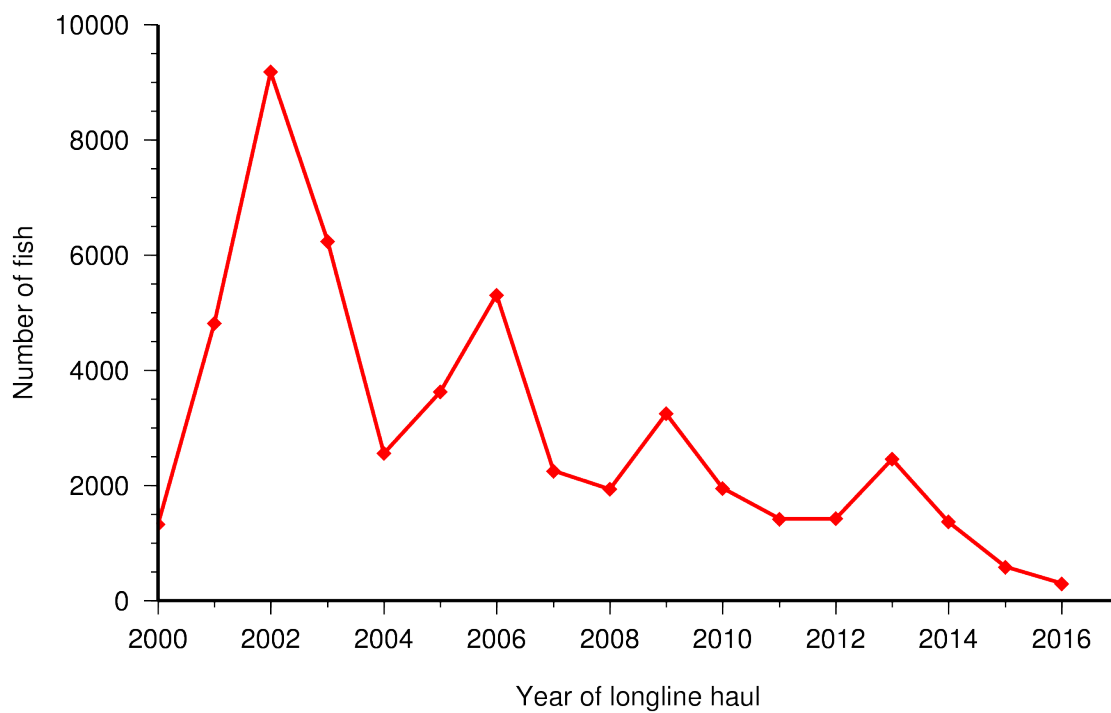


Figure 13. Annual catch (kept + released) of mahimahi by longline vessels based in American Samoa, 2000-2016.

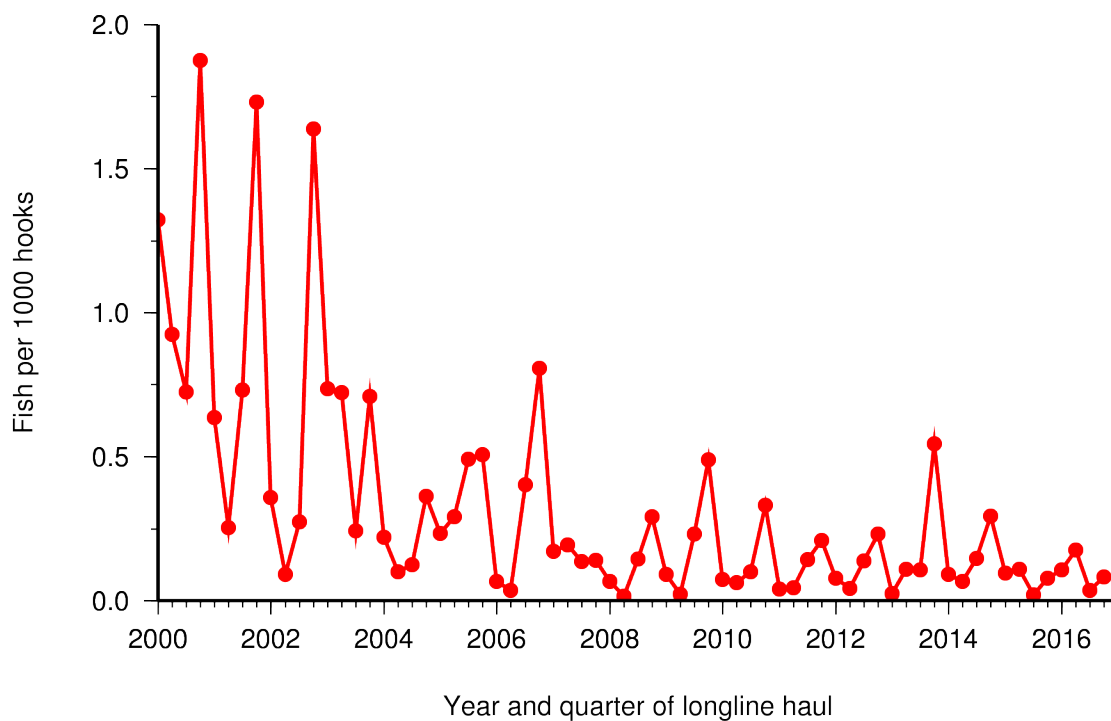


Figure 14. Quarterly CPUE of mahimahi (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

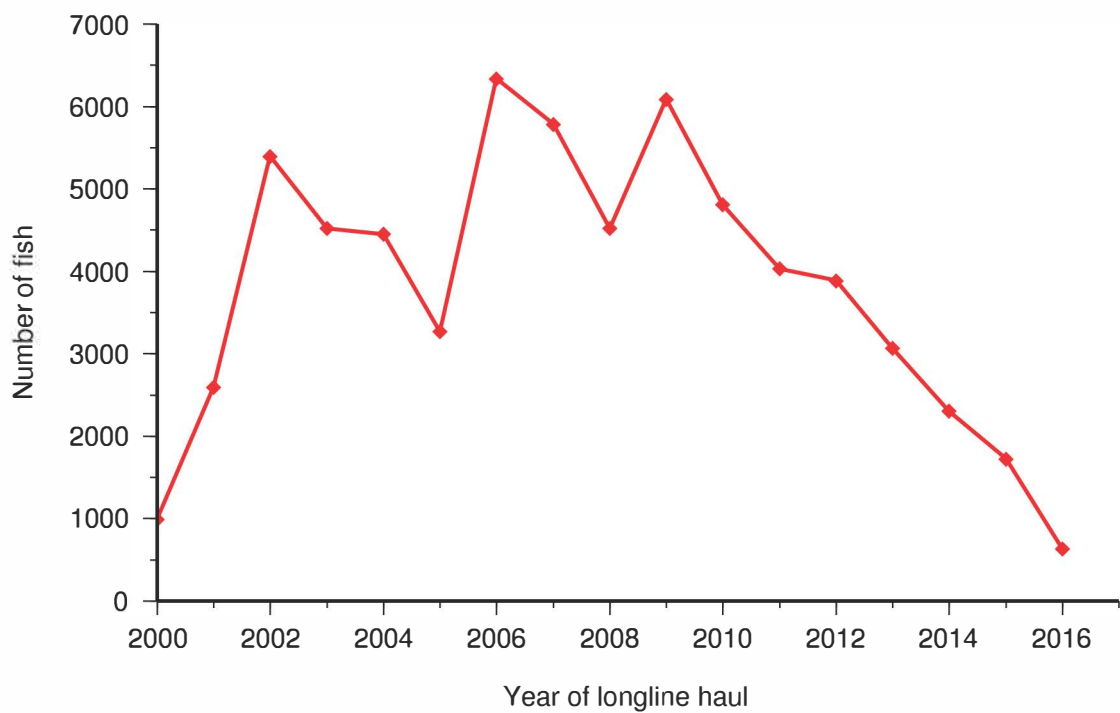


Figure 15. Annual catch (kept + released) of billfish by longline vessels based in American Samoa, 2000-2016.

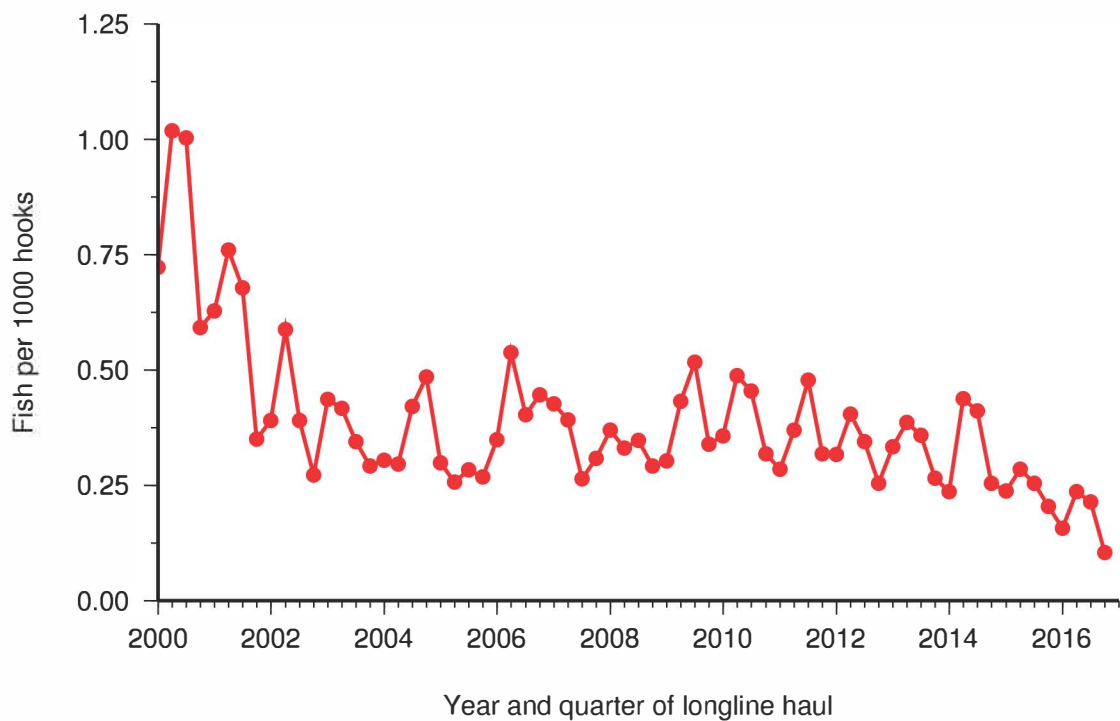


Figure 16. Quarterly CPUE of billfish (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

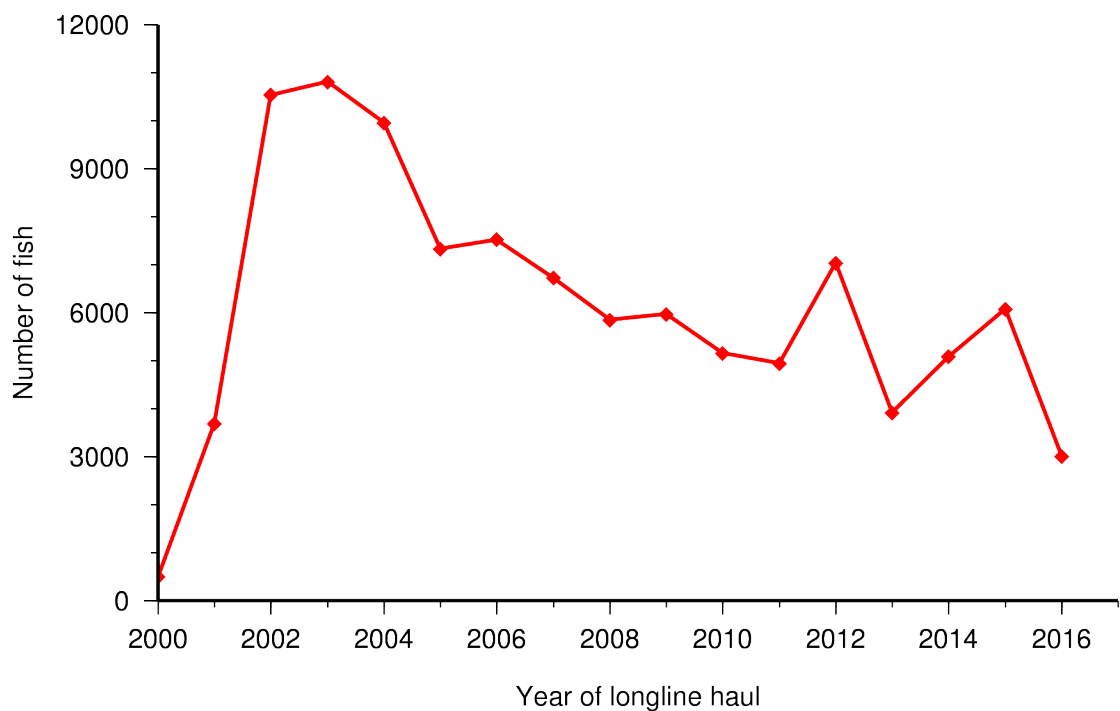


Figure 17. Annual catch (kept + released) of sharks caught by longline vessels based in American Samoa, 2000-2016.

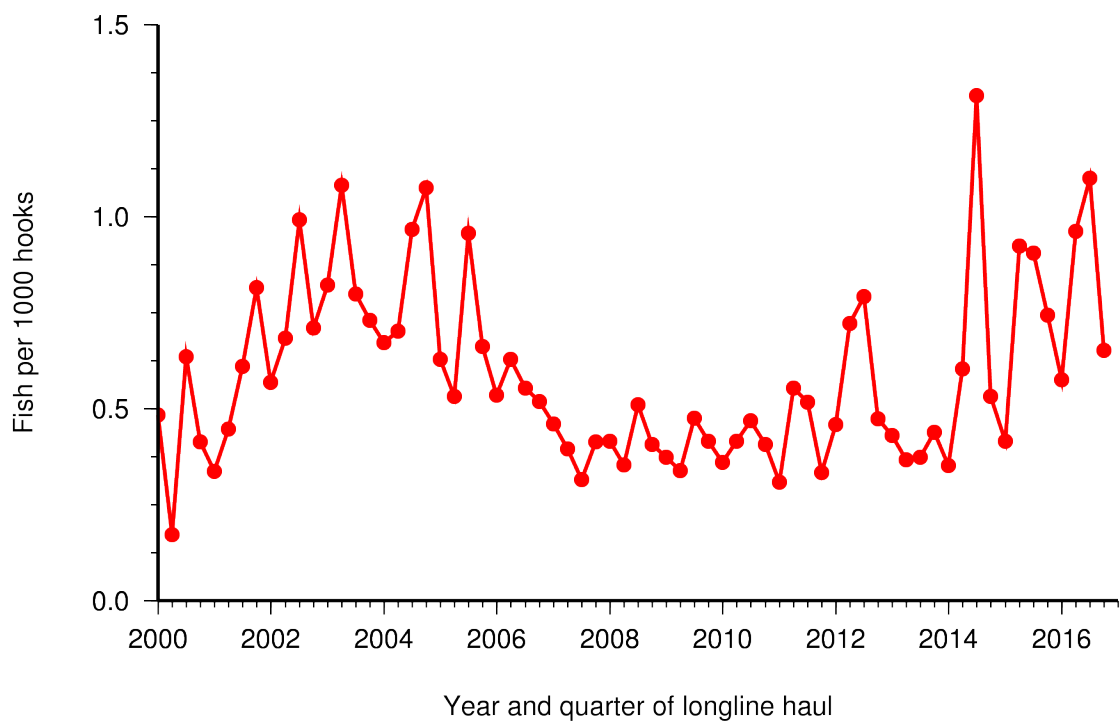


Figure 18. Quarterly CPUE of sharks caught (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.

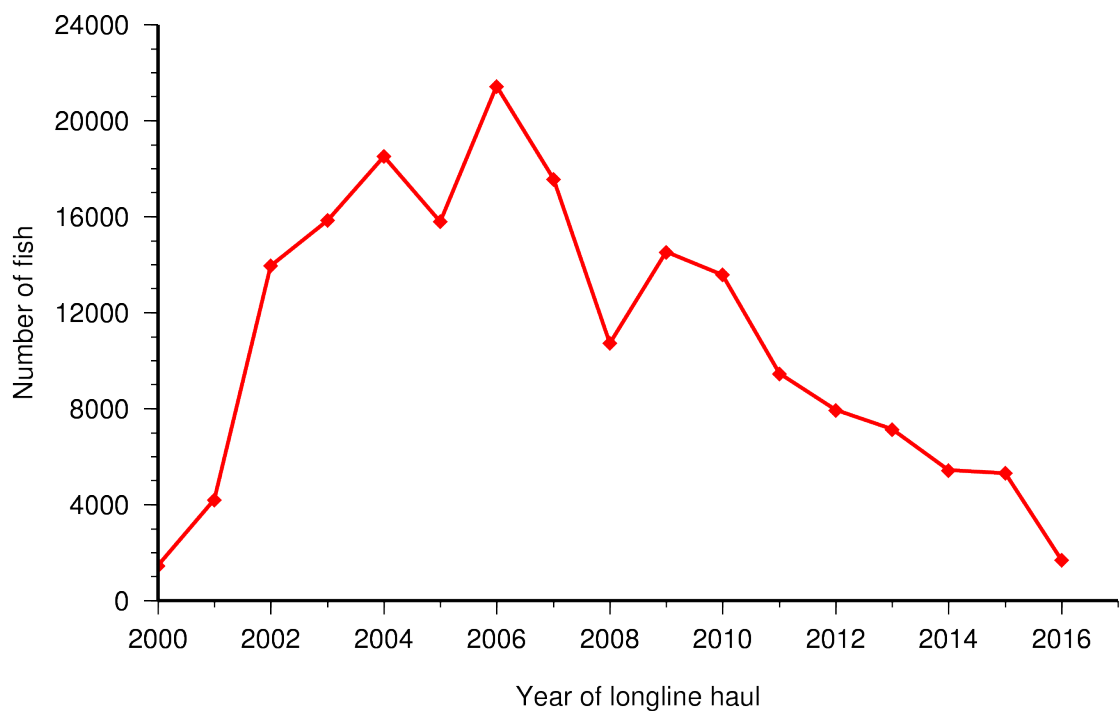


Figure 19. Annual catch (kept + released) of wahoo by longline vessels based in American Samoa, 2000-2016.

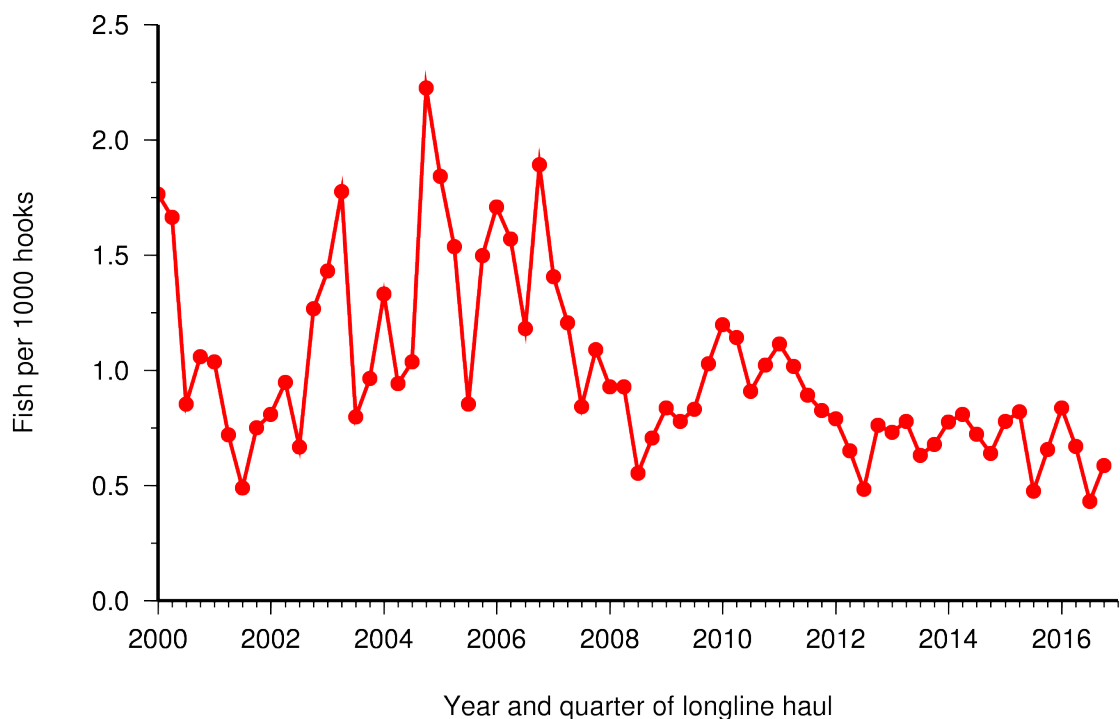


Figure 20. Quarterly CPUE of wahoo (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2016.