

**PIFSC Report on the American Samoa Limited-access Longline Fishery
from 1 January to 31 December 2015¹**

Fisheries Research and Monitoring Division, National Marine Fisheries Service, Pacific Islands Fisheries Science Center, NOAA Inouye Regional Center, 1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

The following tables represent effort, retained catch (kept) and discards (released) as reported on longline log sheets 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 21 June 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).

¹ PIFSC Data Report DR-16-054.
Issued 3 October 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

Time Period 1 January - 31 December, 2015
Set Types All Sets
Fishing Area All Areas

Number of vessels active	20
Number of trips (partial or completed)	202
Number of sets	2,718
Number of hooks set	7,643,530

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	785	429	356	0.10
Striped marlin	171	110	61	0.02
Shortbill spearfish	406	59	347	0.05
Swordfish	186	139	47	0.02
Other billfishes	180	75	105	0.02
Total	1,728	812	916	0.23
Shark PMUS				
Blue shark	3,645	16	3,629	0.48
Mako sharks	426	7	419	0.06
Thresher sharks	297	1	296	0.04
Oceanic whitetip shark	661	5	656	0.09
Silky shark	871	0	871	0.11
Other Sharks	0	0	0	0.00
Total	5,900	29	5,871	0.77
Tuna PMUS				
Albacore	97,650	97,140	510	12.78
Bigeye tuna	4,326	4,154	172	0.57
Yellowfin tuna	20,087	19,362	725	2.63
Bluefin tuna	54	54	0	0.01
Skipjack tuna	15,495	15,180	315	2.03
Other tunas	0	0	0	0.00
Total	137,612	135,890	1,722	18.00
Other PMUS				
Mahimahi	583	539	44	0.08
Moonfish	221	81	140	0.03
Wahoo	5,244	5,100	144	0.69
Oilfish	6,153	31	6,122	0.80
Pomfret	719	104	615	0.09
Total	12,920	5,855	7,065	1.69
Total PMUS	158,160	142,586	15,574	20.69
Total Non-PMUS	564	125	439	0.07
Total All Species	158,724	142,711	16,013	20.77

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
Set Types All Sets
Fishing Area American Samoa EEZ

Number of vessels active	20
Number of trips (partial or completed)	201
Number of sets	2,672
Number of hooks set	7,495,224

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	776	429	347	0.10
Striped marlin	168	110	58	0.02
Shortbill spearfish	397	58	339	0.05
Swordfish	181	138	43	0.02
Other billfishes	180	75	105	0.02
Total	1,702	810	892	0.23
Shark PMUS				
Blue shark	3,480	11	3,469	0.46
Mako sharks	418	6	412	0.06
Thresher sharks	287	0	287	0.04
Oceanic whitetip shark	648	5	643	0.09
Silky shark	864	0	864	0.12
Other Sharks	0	0	0	0.00
Total	5,697	22	5,675	0.76
Tuna PMUS				
Albacore	96,578	96,074	504	12.89
Bigeye tuna	4,260	4,092	168	0.57
Yellowfin tuna	19,983	19,258	725	2.67
Bluefin tuna	48	48	0	0.01
Skipjack tuna	15,292	14,977	315	2.04
Other tunas	0	0	0	0.00
Total	136,161	134,449	1,712	18.17
Other PMUS				
Mahimahi	557	525	32	0.07
Moonfish	211	81	130	0.03
Wahoo	5,148	5,005	143	0.69
Oilfish	5,936	31	5,905	0.79
Pomfret	714	104	610	0.10
Total	12,566	5,746	6,820	1.68
Total PMUS	156,126	141,027	15,099	20.83
Total Non-PMUS	559	125	434	0.07
Total All Species	156,685	141,152	15,533	20.90

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 1 January - 31 December, 2015
Set Types All Sets
Fishing Area Outside American Samoa EEZ

Number of vessels active	5
Number of trips (partial or completed)	7
Number of sets	46
Number of hooks set	148,306

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
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
Total	26	2	24	0.18
Shark PMUS				
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
Total	203	7	196	1.37
Tuna PMUS				
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
Total	1,451	1,441	10	9.78
Other PMUS				
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	5	0	5	0.03
Total	354	109	245	2.39
Total PMUS	2,034	1,559	475	13.71
Total Non-PMUS	5	0	5	0.03
Total All Species	2,039	1,559	480	13.75

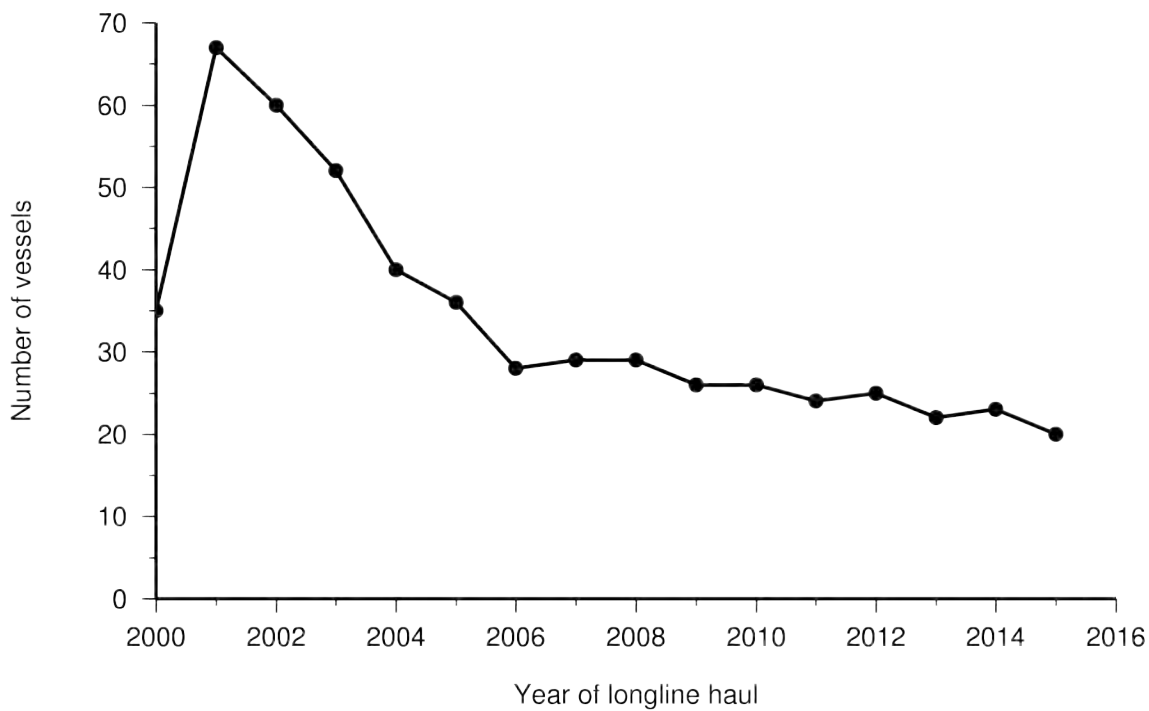


Figure 1. Number of active longline vessels based in American Samoa, by year, 2000-2015.

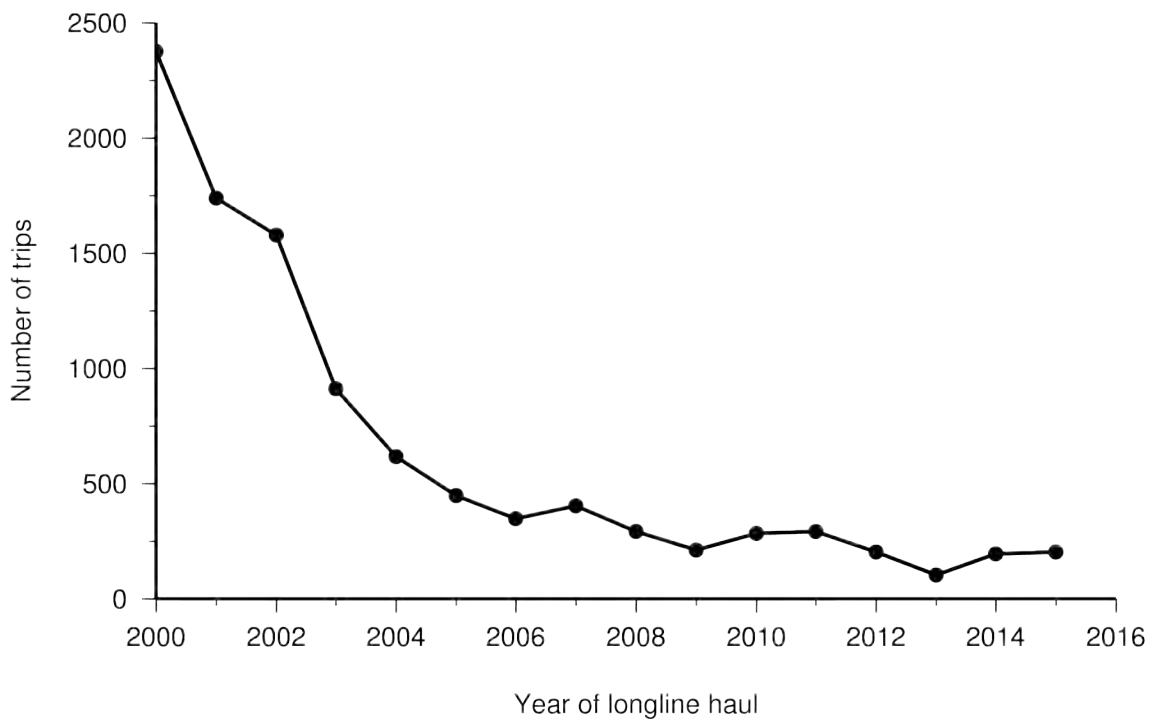


Figure 2. Number of fishing trips by longline vessels based in American Samoa, by year, 2000-2015.

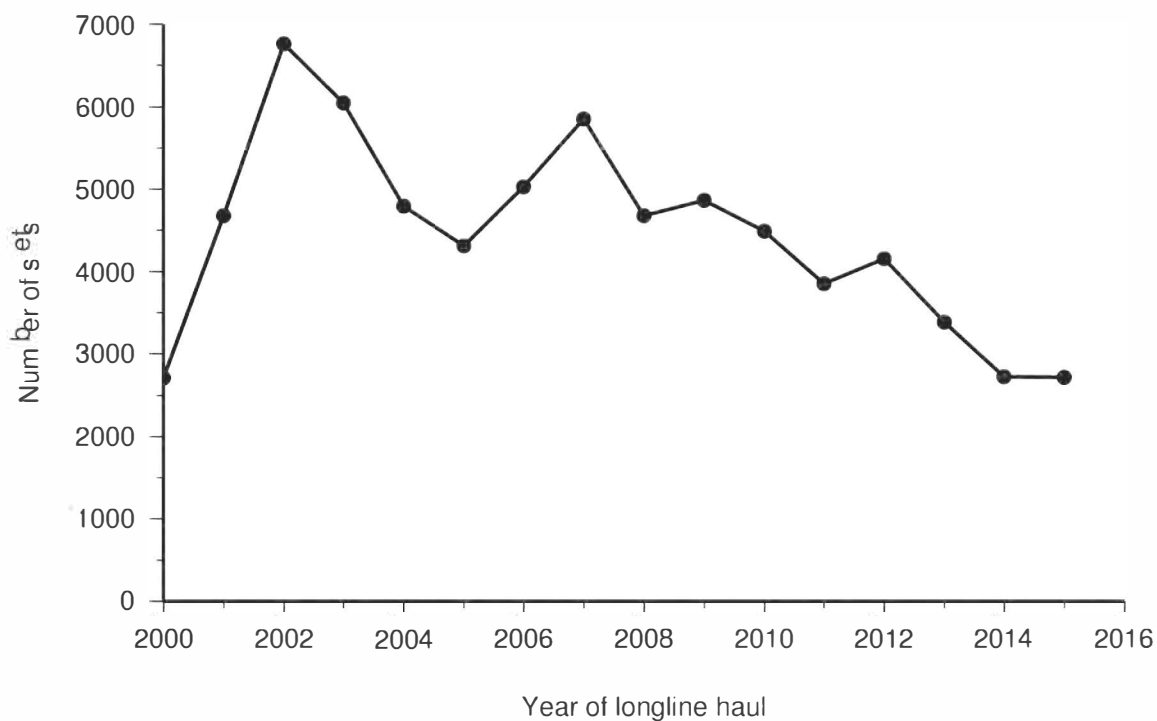


Figure 3. Number of fishing sets by longline vessels based in American Samoa, by year, 2000-2015.

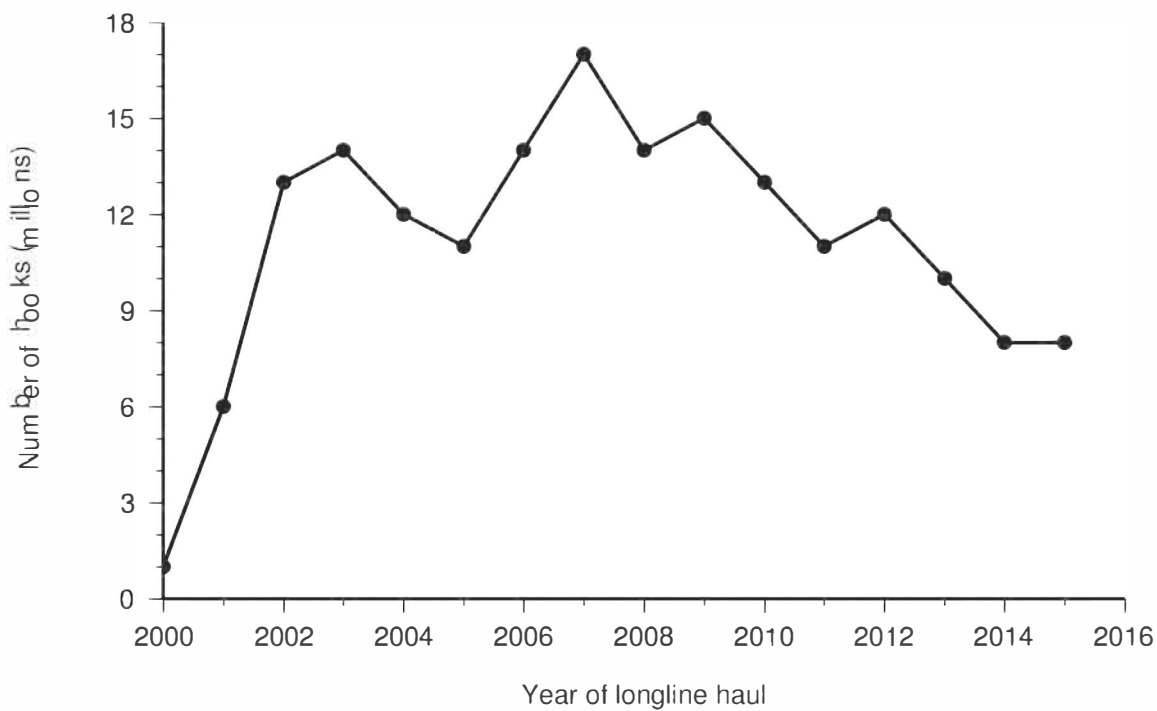


Figure 4. Number of hooks in millions, set by longline vessels based in American Samoa, by year, 2000-2015

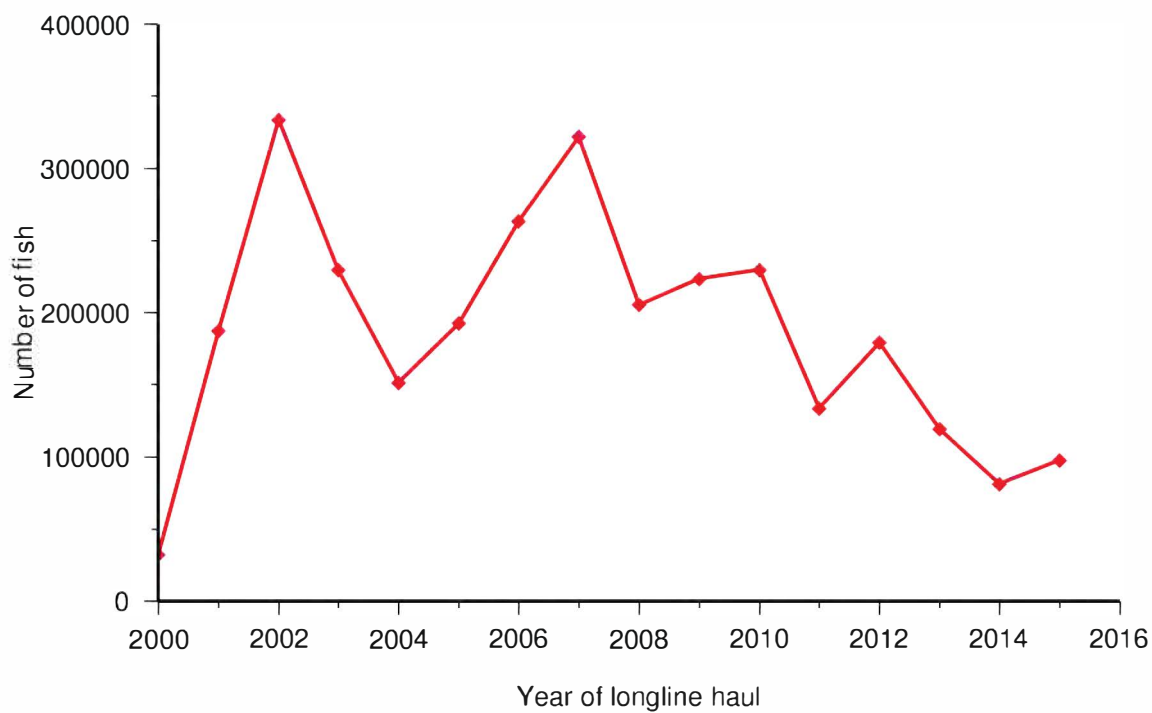


Figure 5. Annual catch (kept + released) of albacore by longline vessels based in American Samoa, 2000-2015.

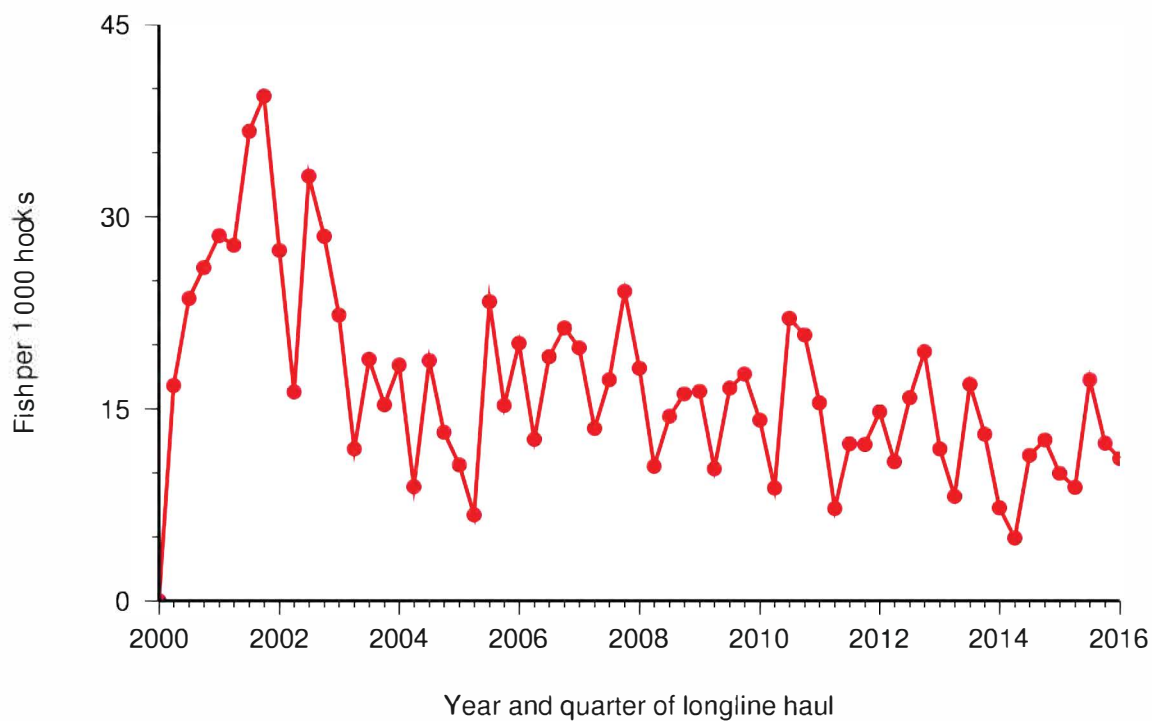


Figure 6. Quarterly CPUE of albacore (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

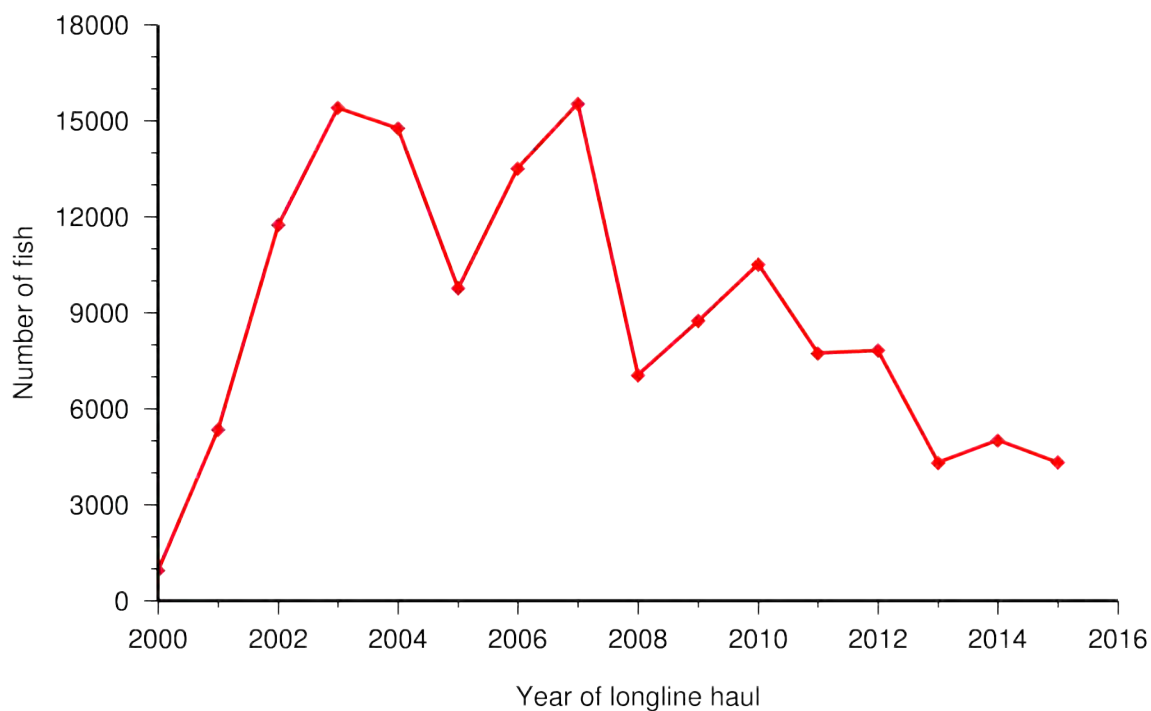


Figure 7. Annual catch (kept + released) of bigeye tuna by longline vessels based in American Samoa, 2000-2015.

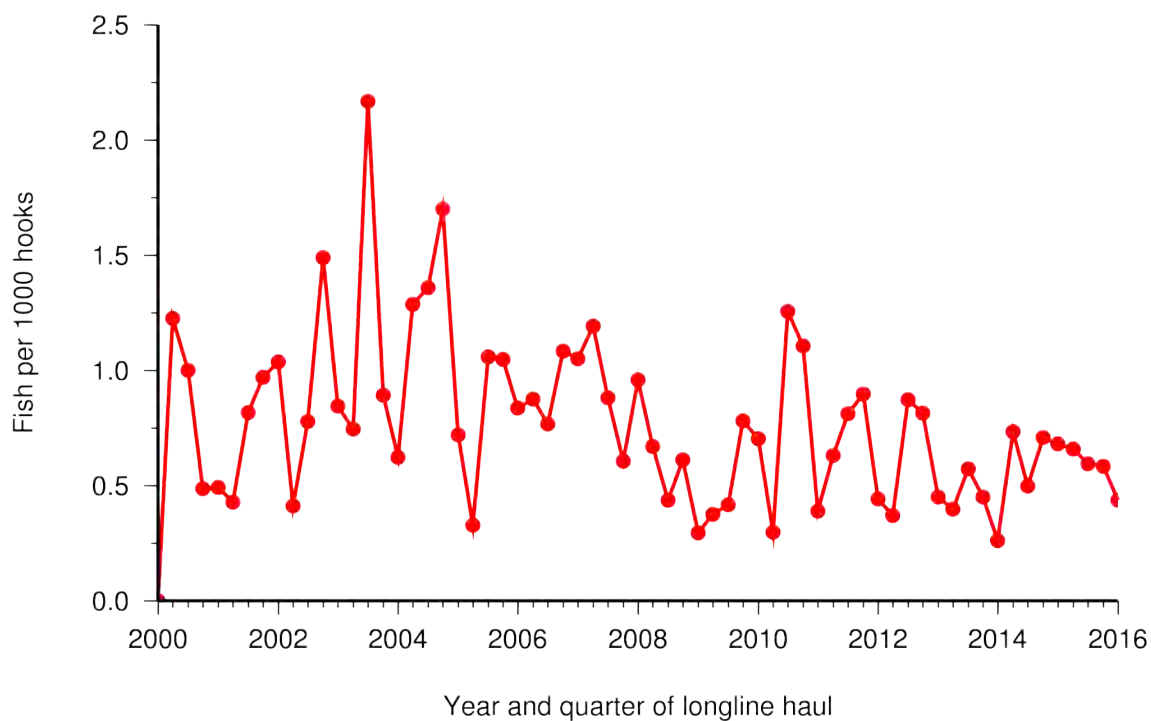


Figure 8. Quarterly CPUE of bigeye tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

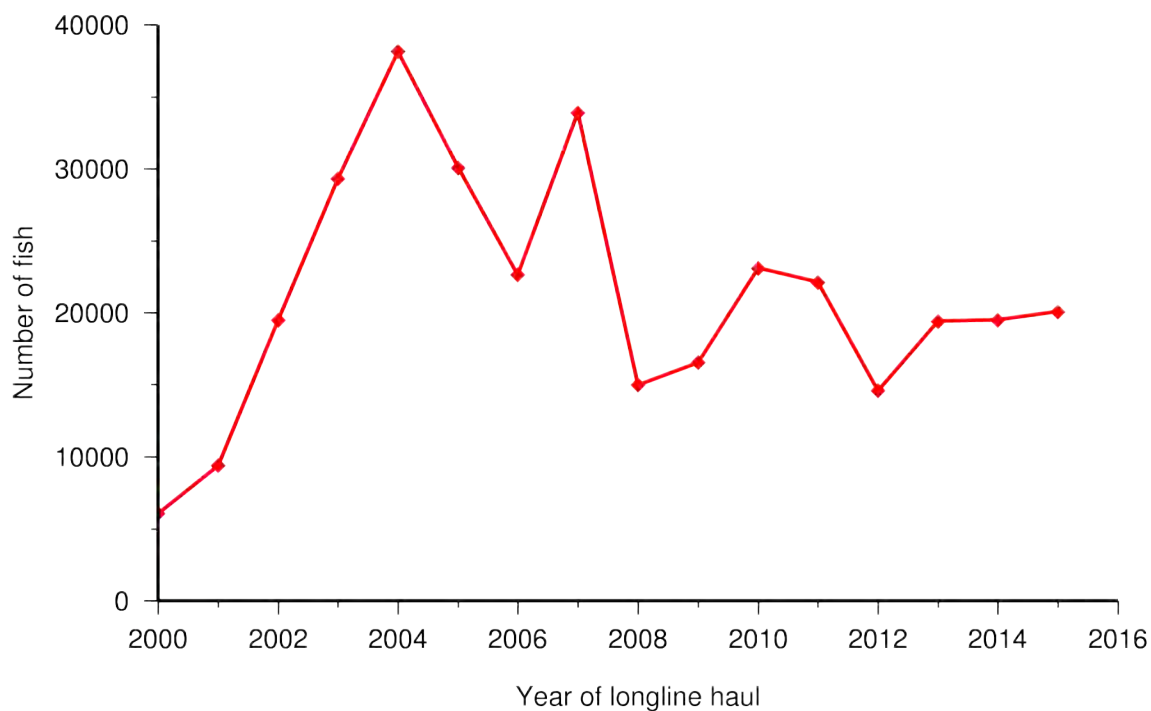


Figure 9. Annual catch (kept + released) of yellowfin tuna by longline vessels based in American Samoa, 2000-2015.

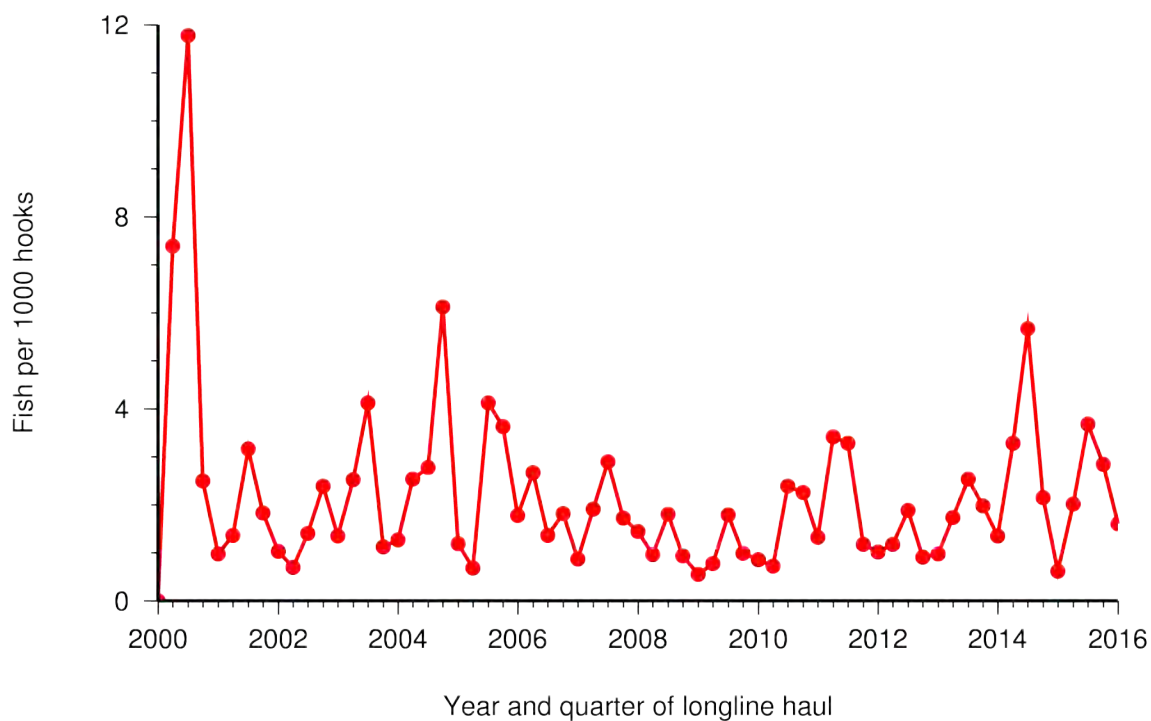


Figure 10. Quarterly CPUE of yellowfin tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

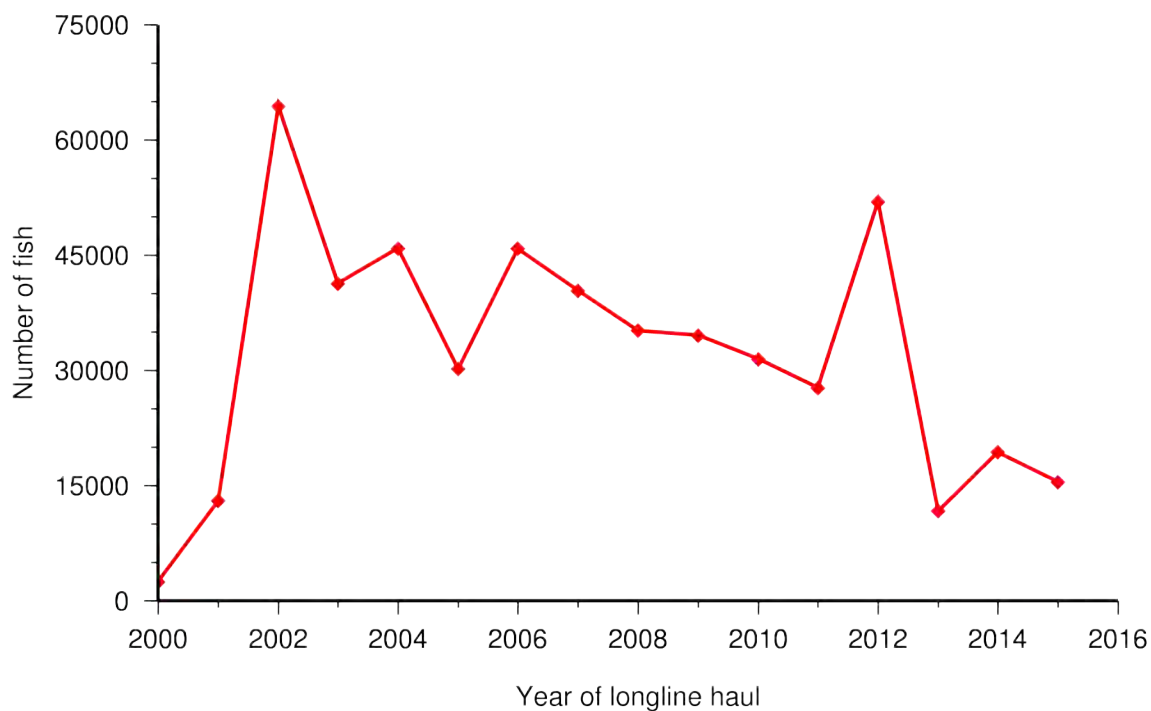


Figure 11. Annual catch (kept + released) of skipjack tuna by longline vessels based in American Samoa, 2000-2015.

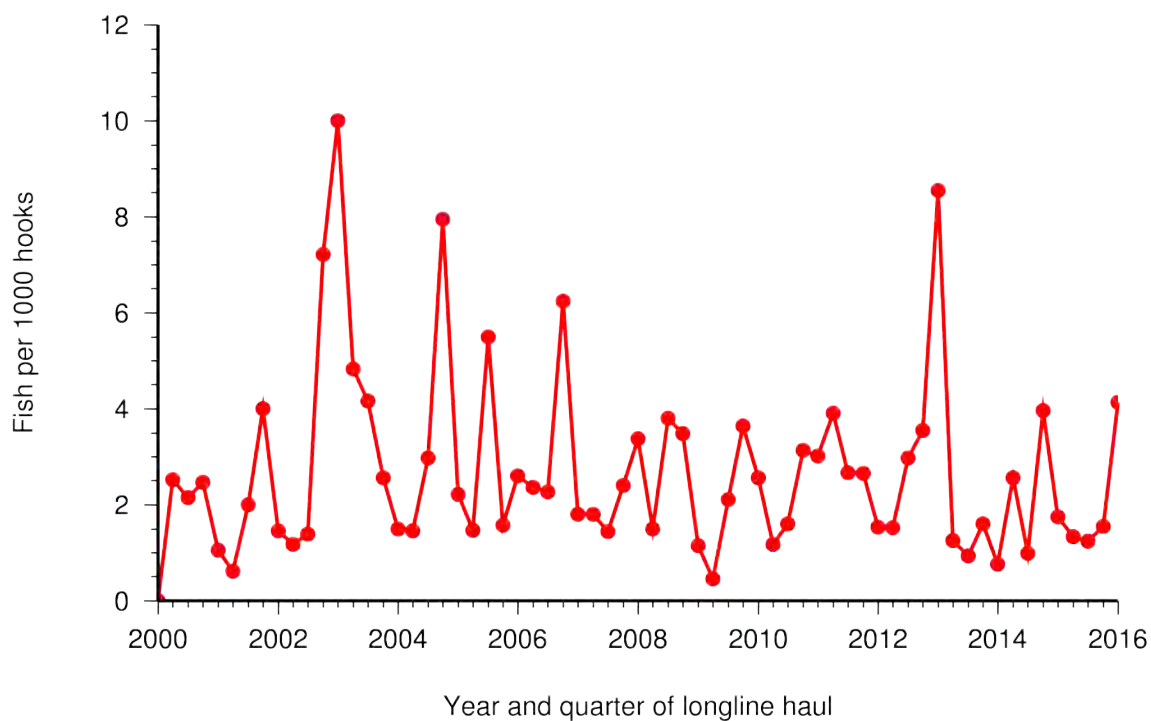


Figure 12. Quarterly CPUE of skipjack tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

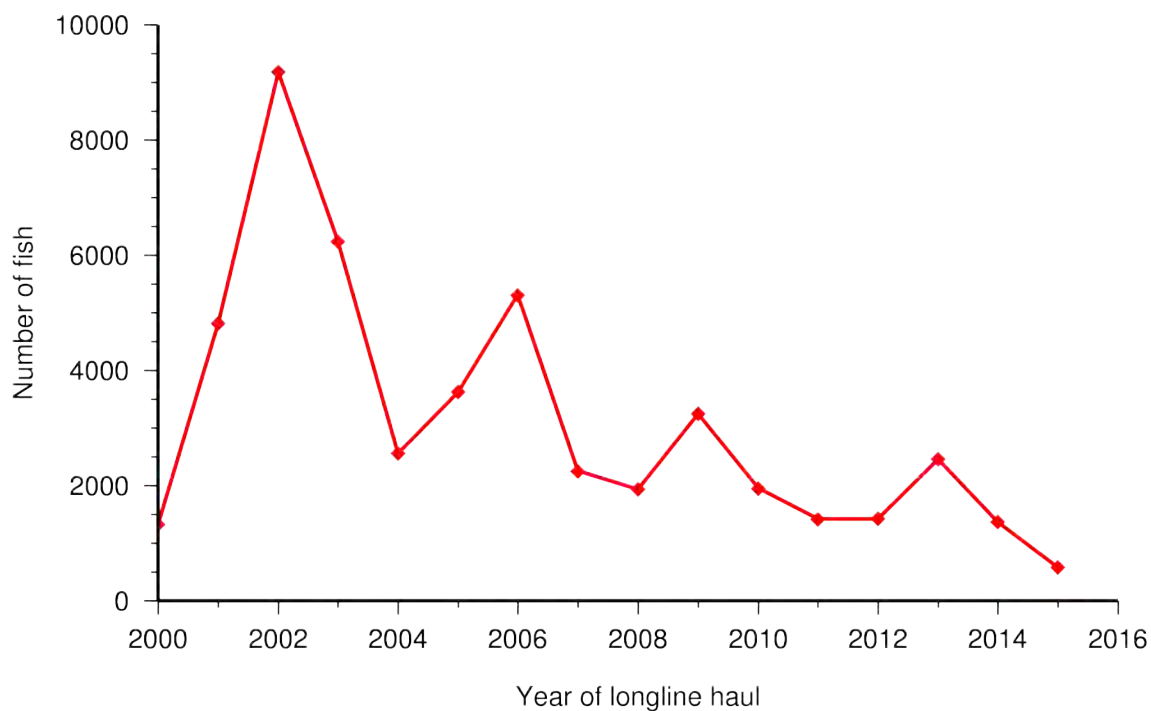


Figure 13. Annual catch (kept + released) of mahimahi by longline vessels based in American Samoa, 2000-2015.

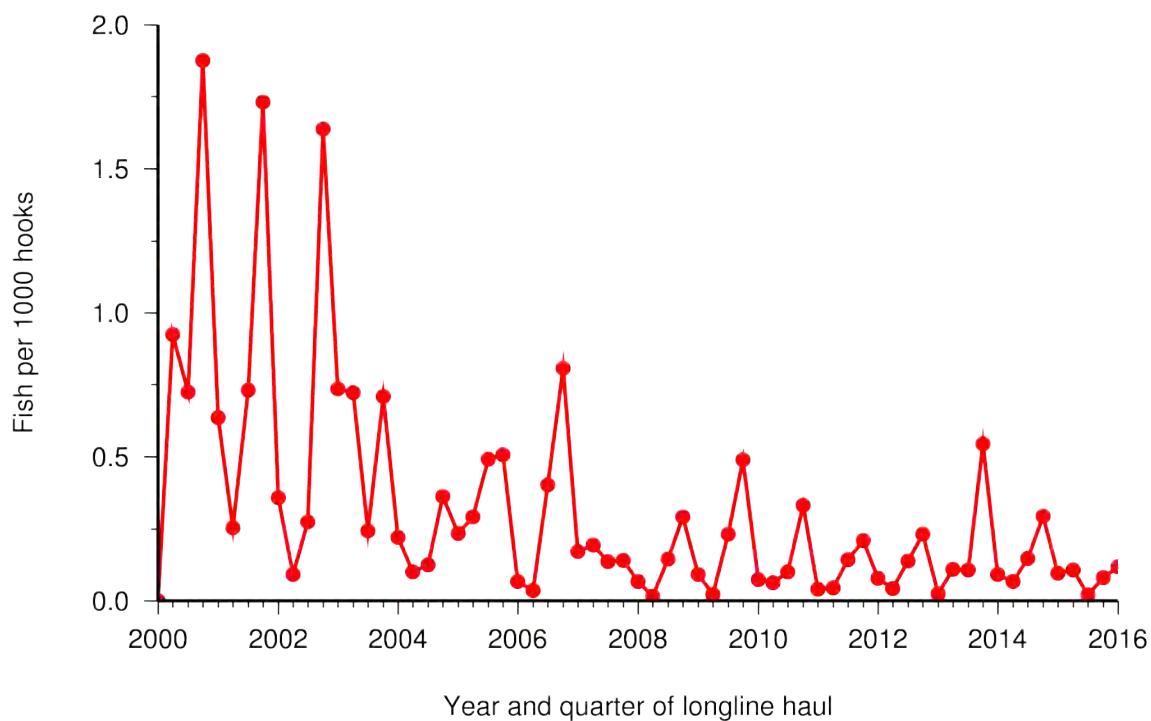


Figure 14. Quarterly CPUE of mahimahi (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

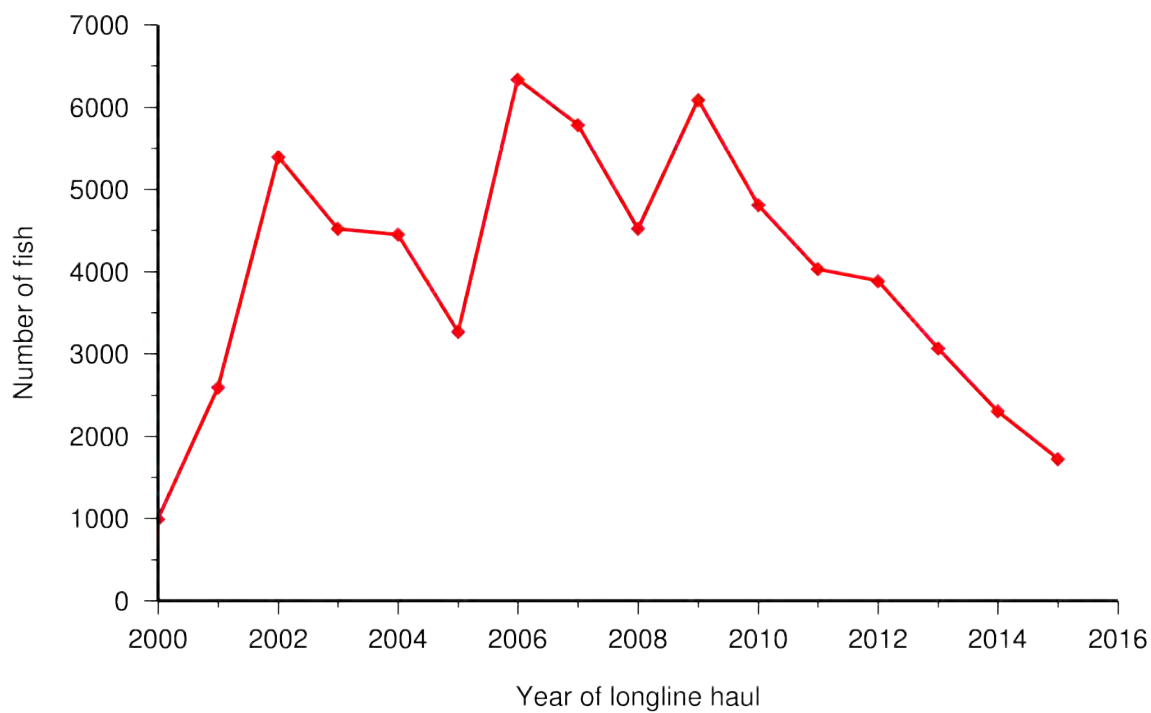


Figure 15. Annual catch (kept + released) of billfish by longline vessels based in American Samoa, 2000-2015.

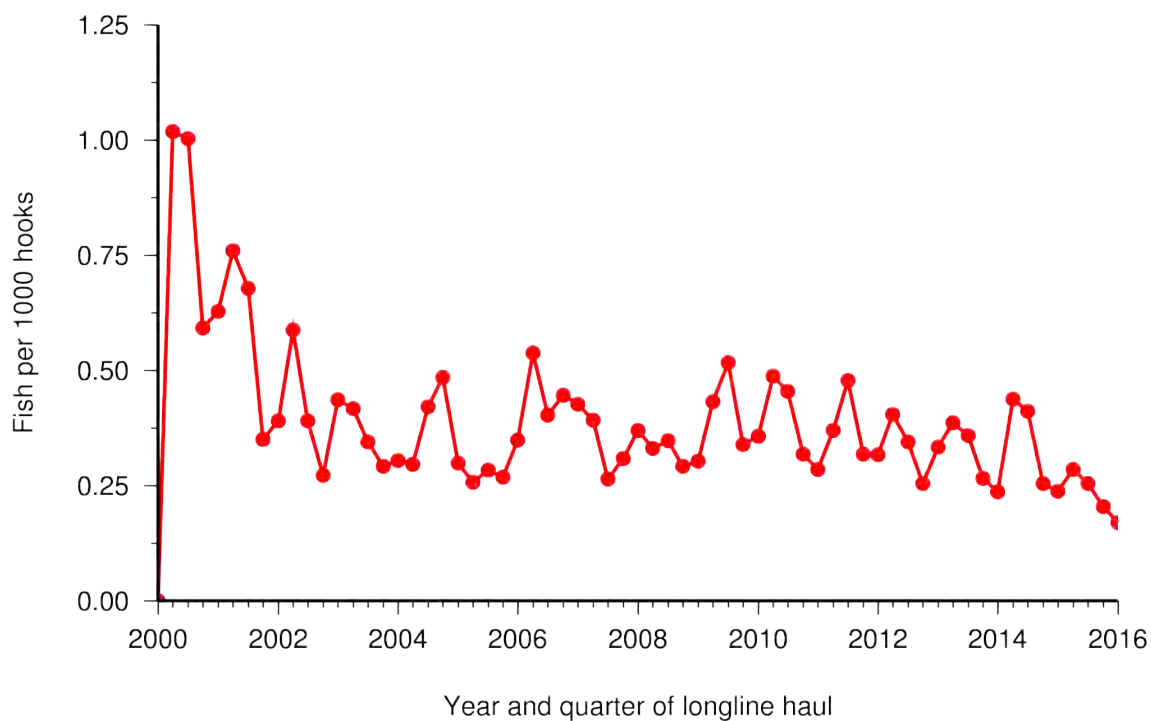


Figure 16. Quarterly CPUE of billfish (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

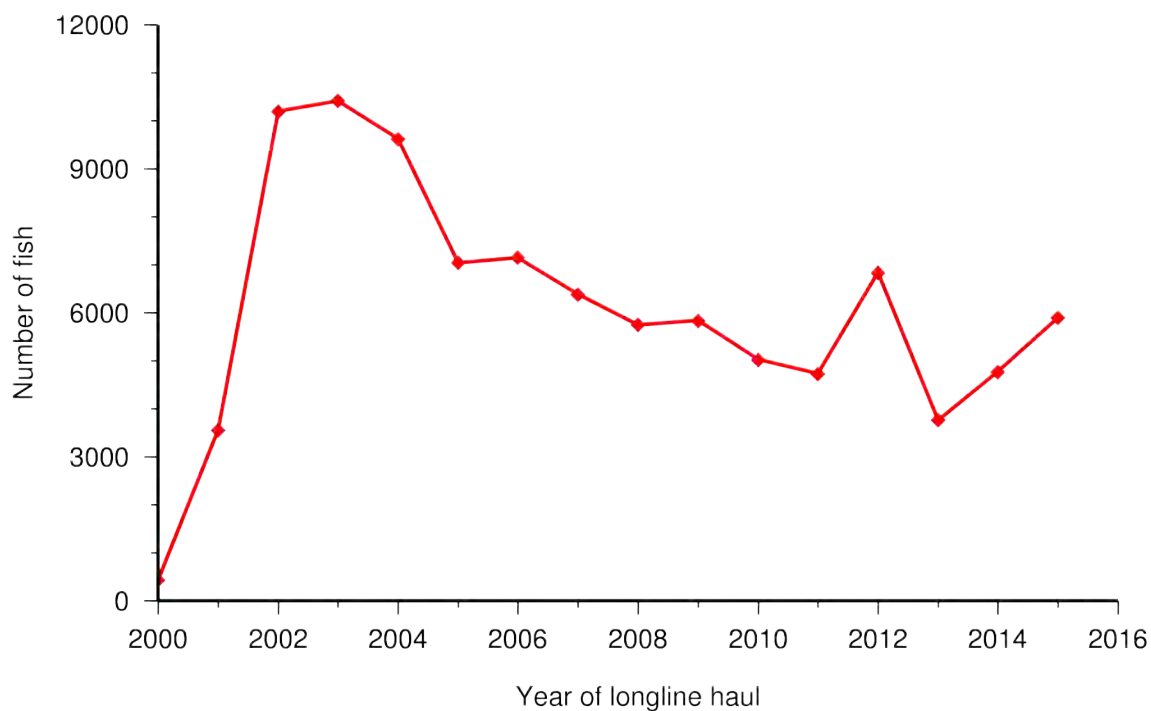


Figure 17. Annual catch (kept + released) of sharks caught by longline vessels based in American Samoa, 2000-2015.

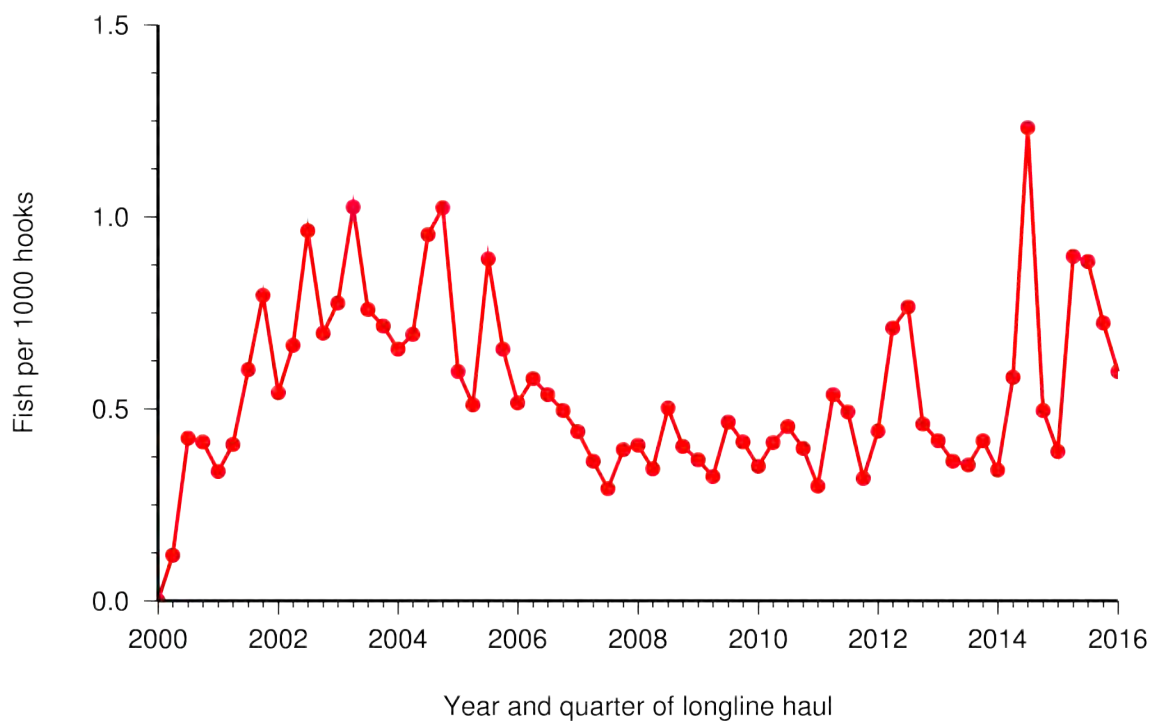


Figure 18. Quarterly CPUE of sharks caught (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.

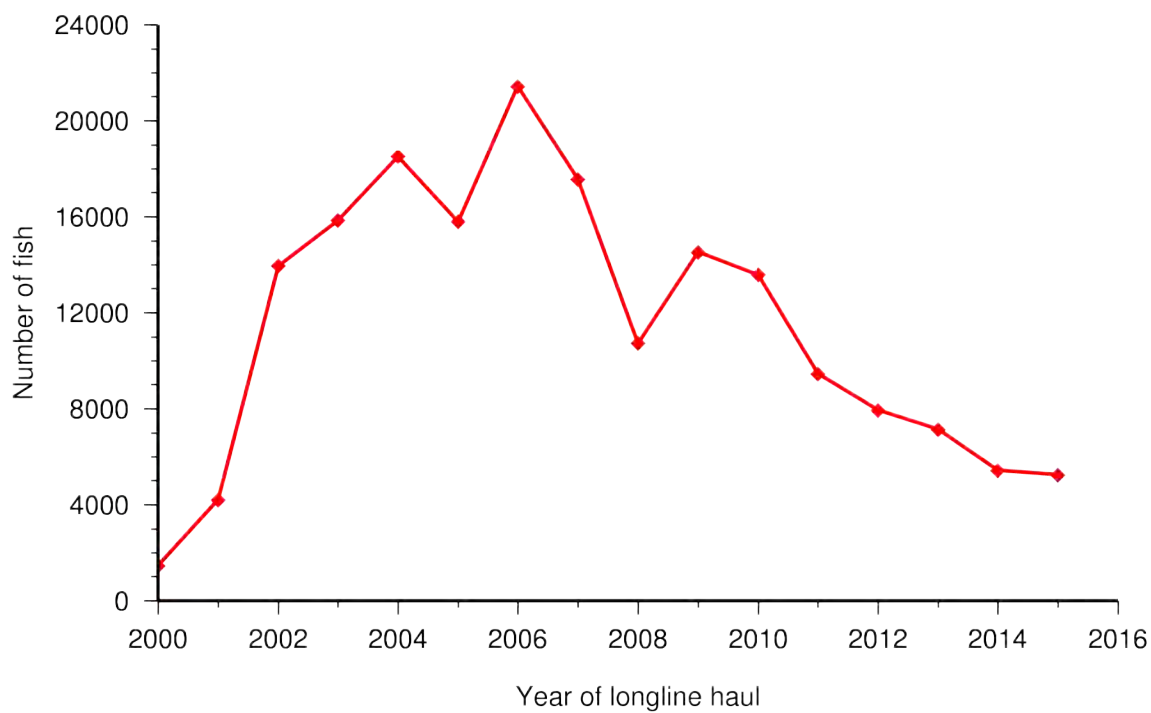


Figure 19. Annual catch (kept + released) of wahoo by longline vessels based in American Samoa, 2000-2015.

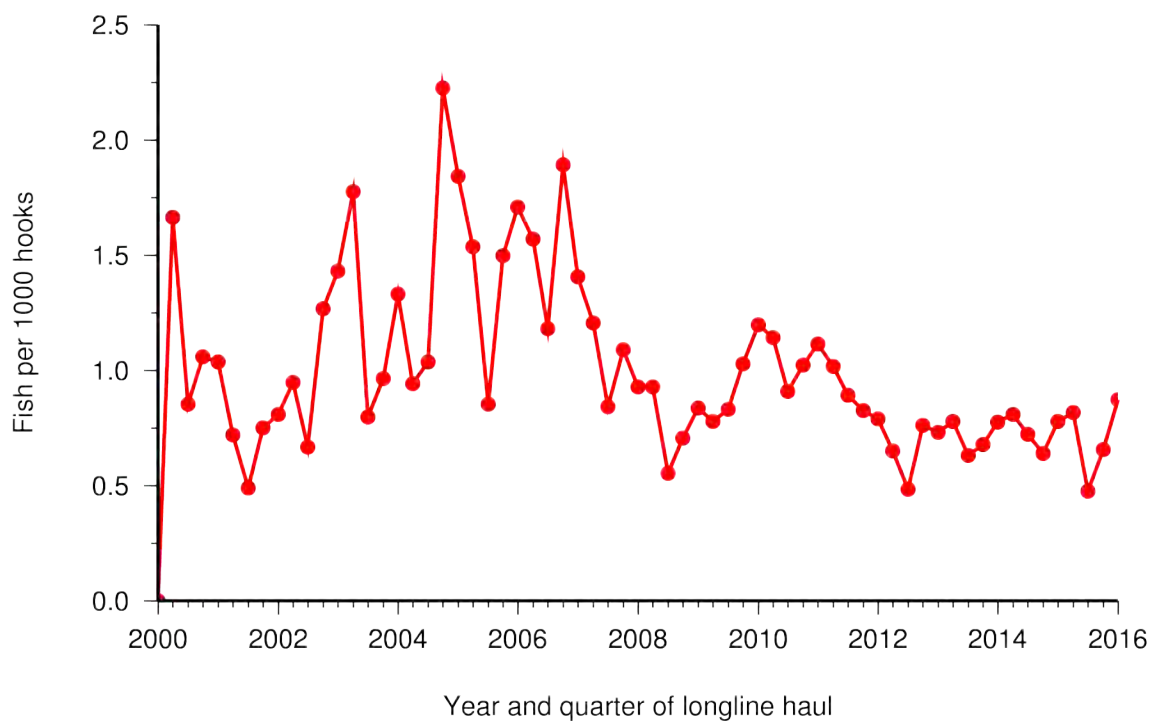


Figure 20. Quarterly CPUE of wahoo (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2015.