

**PIFSC Report on the American Samoa Limited-access Longline Fishery
from 1 January to 31 December 2013¹**

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).

¹PIFSC Data Report DR-16-051.
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		Number of vessels active		22
Time Period	1 January - 31 December, 2013	Number of trips (partial or completed)		104
Set Types	All Sets	Number of sets		3,381
Fishing Area	All Areas	Number of hooks set		10,112,375

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,339	497	842	0.13
Striped marlin	266	117	149	0.03
Shortbill spearfish	873	57	816	0.09
Swordfish	296	186	110	0.03
Other billfishes	293	53	240	0.03
Total	3,067	910	2,157	0.30
Shark PMUS				
Blue shark	2,238	24	2,214	0.22
Mako sharks	270	0	270	0.03
Thresher sharks	202	0	202	0.02
Oceanic whitetip shark	663	1	662	0.07
Silky shark	391	3	388	0.04
Other Sharks	0	0	0	0.00
Total	3,764	28	3,736	0.37
Tuna PMUS				
Albacore	119,115	118,780	335	11.78
Bigeye tuna	4,315	4,189	126	0.43
Yellowfin tuna	19,417	19,185	232	1.92
Bluefin tuna	21	21	0	0.00
Skipjack tuna	11,705	11,303	402	1.16
Other tunas	0	0	0	0.00
Total	154,573	153,478	1,095	15.29
Other PMUS				
Mahimahi	2,461	1,863	598	0.24
Moonfish	373	98	275	0.04
Wahoo	7,145	5,910	1,235	0.71
Oilfish	6,875	69	6,806	0.68
Pomfret	840	73	767	0.08
Total	17,694	8,013	9,681	1.75
Total PMUS	179,098	162,429	16,669	17.71
Total Non-PMUS	1,638	13	1,625	0.16
Total All Species	180,736	162,442	18,294	17.87

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, 2013
 Set Types All Sets
 Fishing Area American Samoa EEZ

Number of vessels active	22
Number of trips (partial or completed)	102
Number of sets	3,014
Number of hooks set	9,000,073

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	1,113	325	788	0.12
Striped marlin	236	96	140	0.03
Shortbill spearfish	770	50	720	0.09
Swordfish	225	141	84	0.02
Other billfishes	280	50	230	0.03
Total	2,624	662	1,962	0.29
Shark PMUS				
Blue shark	2,099	24	2,075	0.23
Mako sharks	263	0	263	0.03
Thresher sharks	191	0	191	0.02
Oceanic whitetip shark	592	1	591	0.07
Silky shark	319	3	316	0.04
Other Sharks	0	0	0	0.00
Total	3,464	28	3,436	0.38
Tuna PMUS				
Albacore	103,995	103,760	235	11.55
Bigeye tuna	3,045	2,935	110	0.34
Yellowfin tuna	17,212	16,981	231	1.91
Bluefin tuna	15	15	0	0.00
Skipjack tuna	9,955	9,557	398	1.11
Other tunas	0	0	0	0.00
Total	134,222	133,248	974	14.91
Other PMUS				
Mahimahi	2,324	1,738	586	0.26
Moonfish	347	84	263	0.04
Wahoo	6,408	5,181	1,227	0.71
Oilfish	6,489	69	6,420	0.72
Pomfret	780	67	713	0.09
Total	16,348	7,139	9,209	1.82
Total PMUS	156,658	141,077	15,581	17.41
Total Non-PMUS	1,635	13	1,622	0.18
Total All Species	158,293	141,090	17,203	17.59

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, 2013	Number of vessels active	13	
Set Types	All Sets	Number of trips (partial or completed)	30	
Fishing Area	Outside American Samoa EEZ	Number of sets	367	
		Number of hooks set	1,112,302	

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	226	172	54	0.20
Striped marlin	30	21	9	0.03
Shortbill spearfish	103	7	96	0.09
Swordfish	71	45	26	0.06
Other billfishes	13	3	10	0.01
Total	443	248	195	0.40
Shark PMUS				
Blue shark	139	0	139	0.12
Mako sharks	7	0	7	0.01
Thresher sharks	11	0	11	0.01
Oceanic whitetip shark	71	0	71	0.06
Silky shark	72	0	72	0.06
Other Sharks	0	0	0	0.00
Total	300	0	300	0.27
Tuna PMUS				
Albacore	15,120	15,020	100	13.59
Bigeye tuna	1,270	1,254	16	1.14
Yellowfin tuna	2,205	2,204	1	1.98
Bluefin tuna	6	6	0	0.01
Skipjack tuna	1,750	1,746	4	1.57
Other tunas	0	0	0	0.00
Total	20,351	20,230	121	18.30
Other PMUS				
Mahimahi	137	125	12	0.12
Moonfish	26	14	12	0.02
Wahoo	737	729	8	0.66
Oilfish	386	0	386	0.35
Pomfret	60	6	54	0.05
Total	1,346	874	472	1.21
Total PMUS	22,440	21,352	1,088	20.17
Total Non-PMUS	3	0	3	0.00
Total All Species	22,443	21,352	1,091	20.18

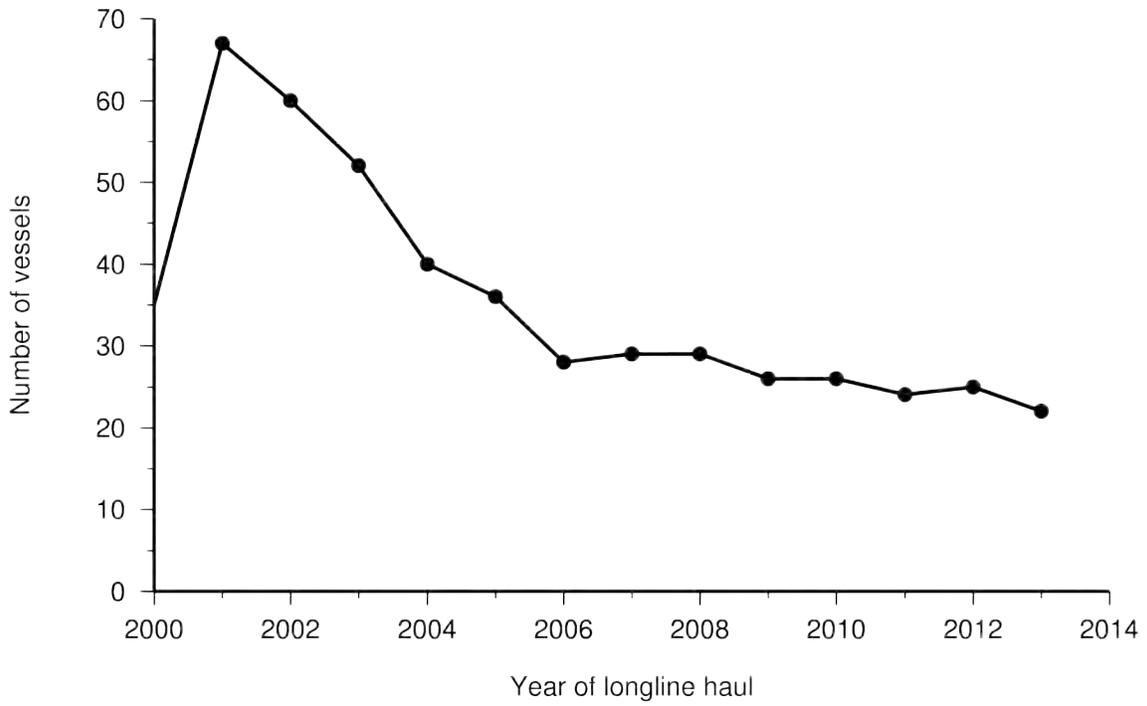


Figure 1. Number of active longline vessels based in American Samoa, by year, 2000-2013.

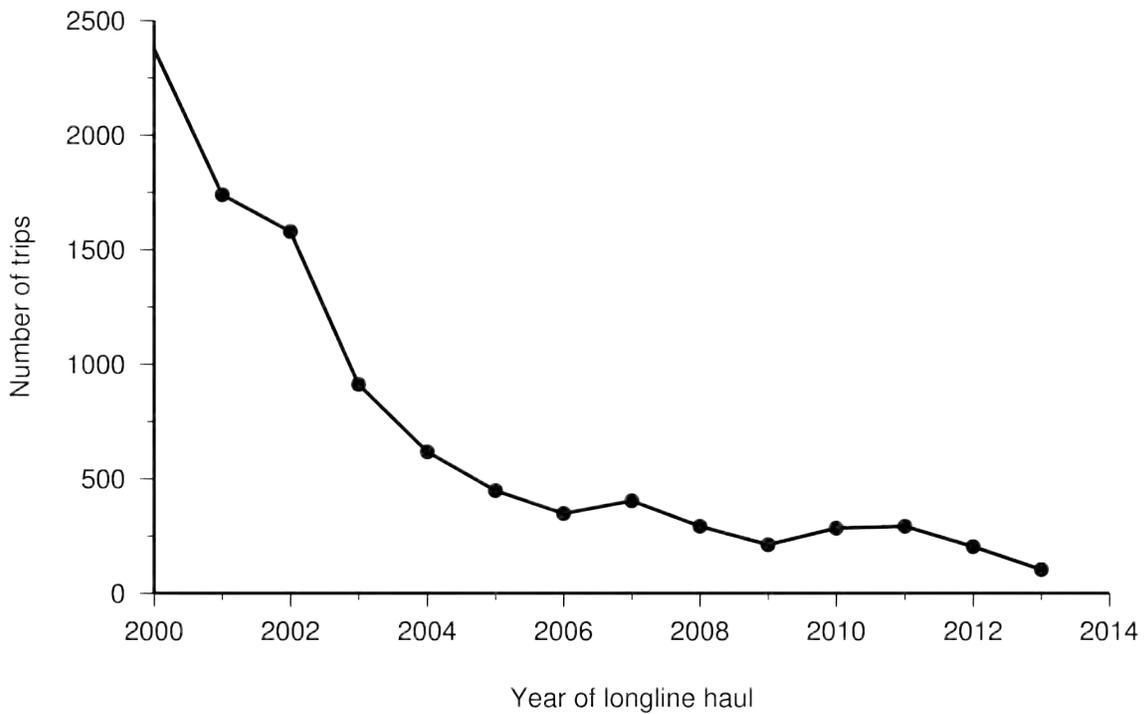


Figure 2. Number of fishing trips by longline vessels based in American Samoa, by year, 2000-2013.

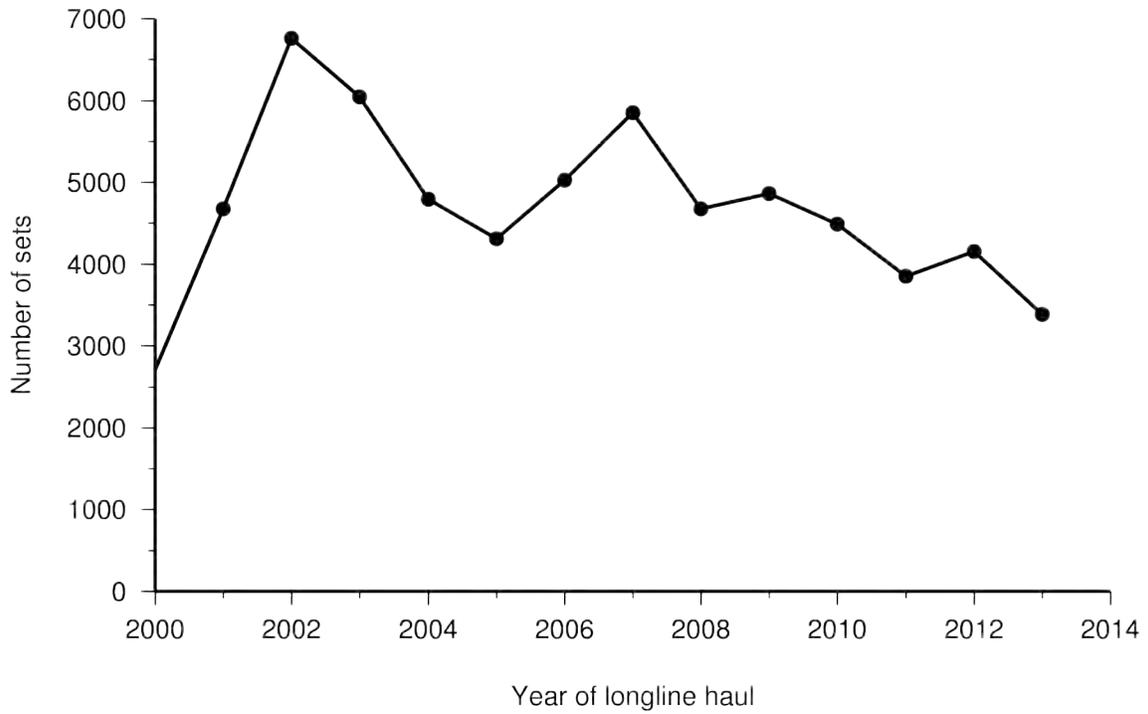


Figure 3. Number of fishing sets by longline vessels based in American Samoa, by year, 2000-2013.

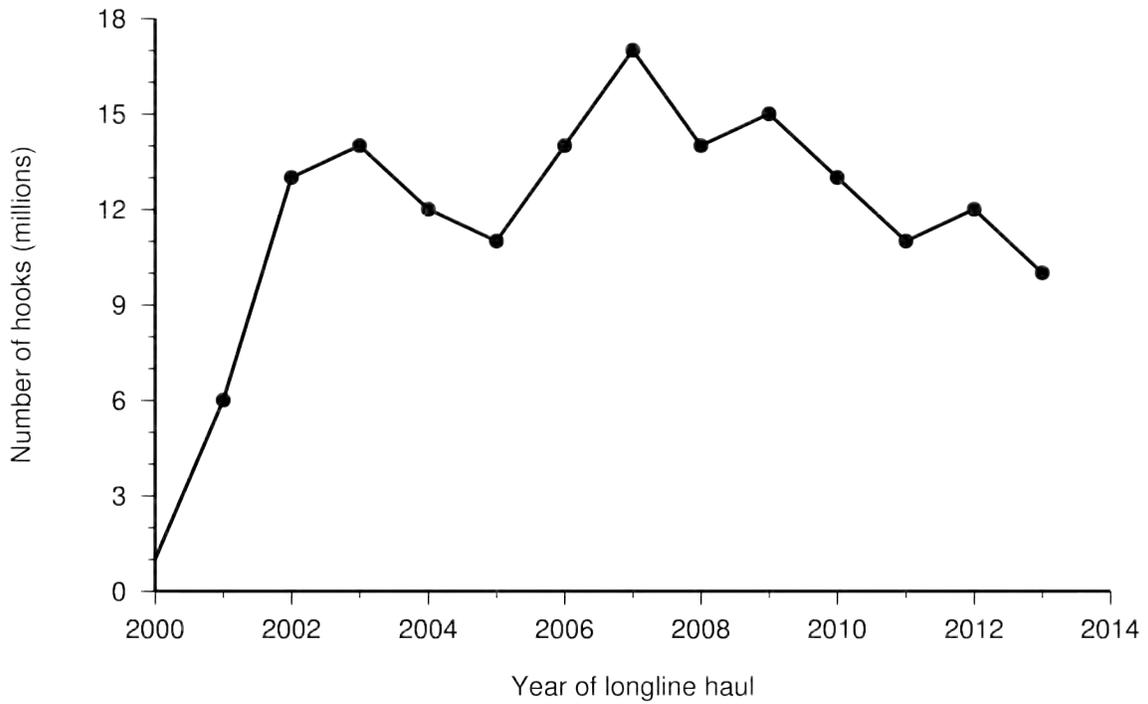


Figure 4. Number of hooks in millions, set by longline vessels based in American Samoa, by year, 2000-2013

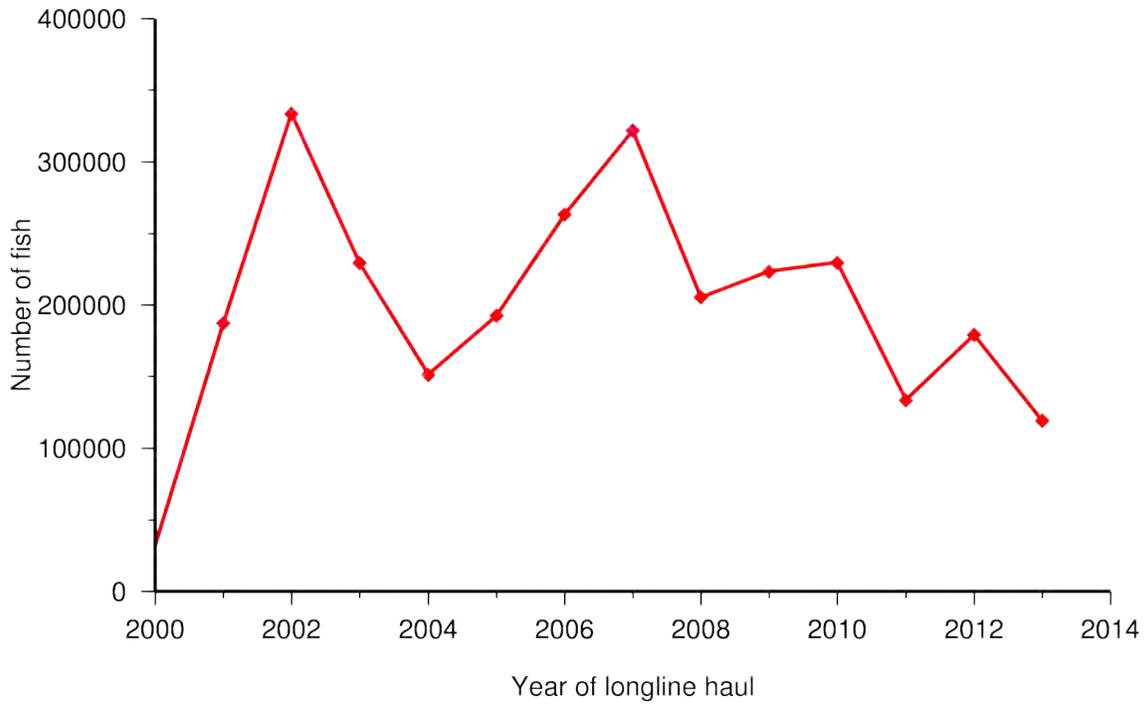


Figure 5. Annual catch (kept + released) of albacore by longline vessels based in American Samoa, 2000-2013.

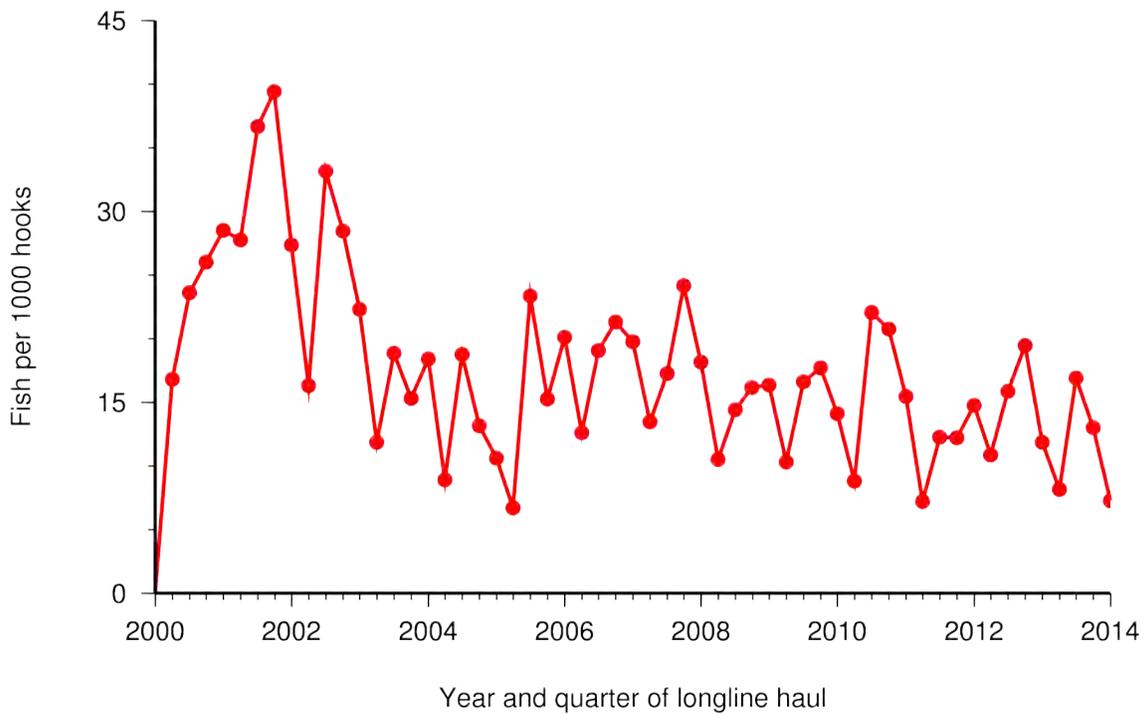


Figure 6. Quarterly CPUE of albacore (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

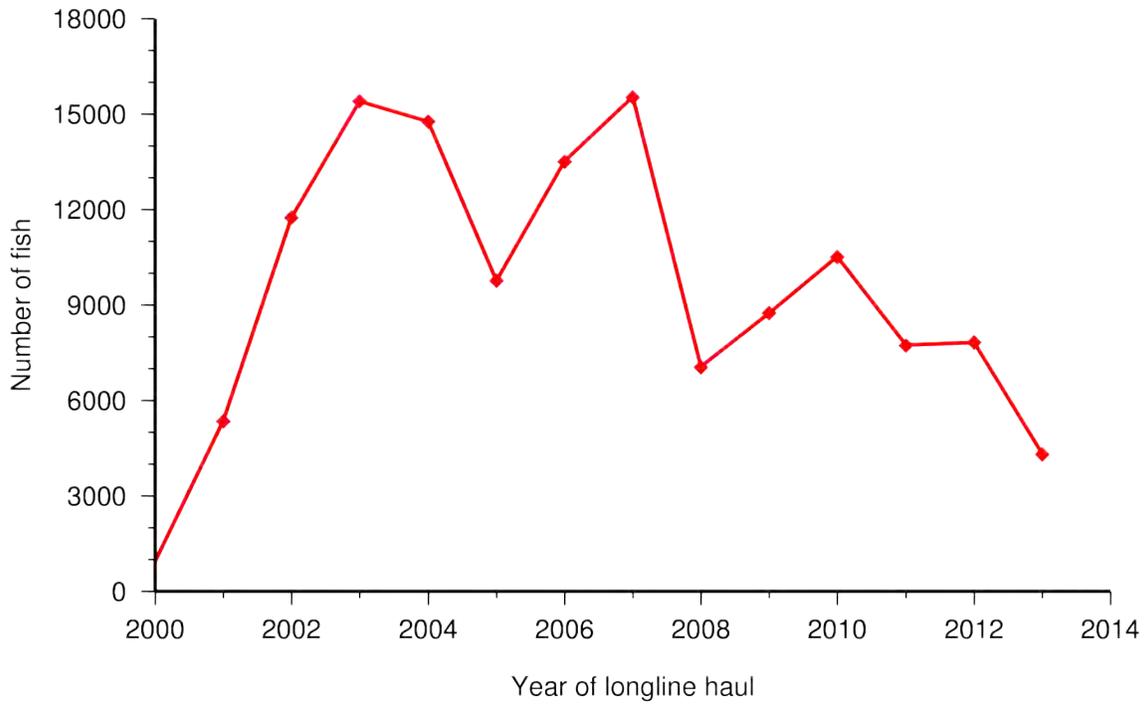


Figure 7. Annual catch (kept + released) of bigeye tuna by longline vessels based in American Samoa, 2000-2013.

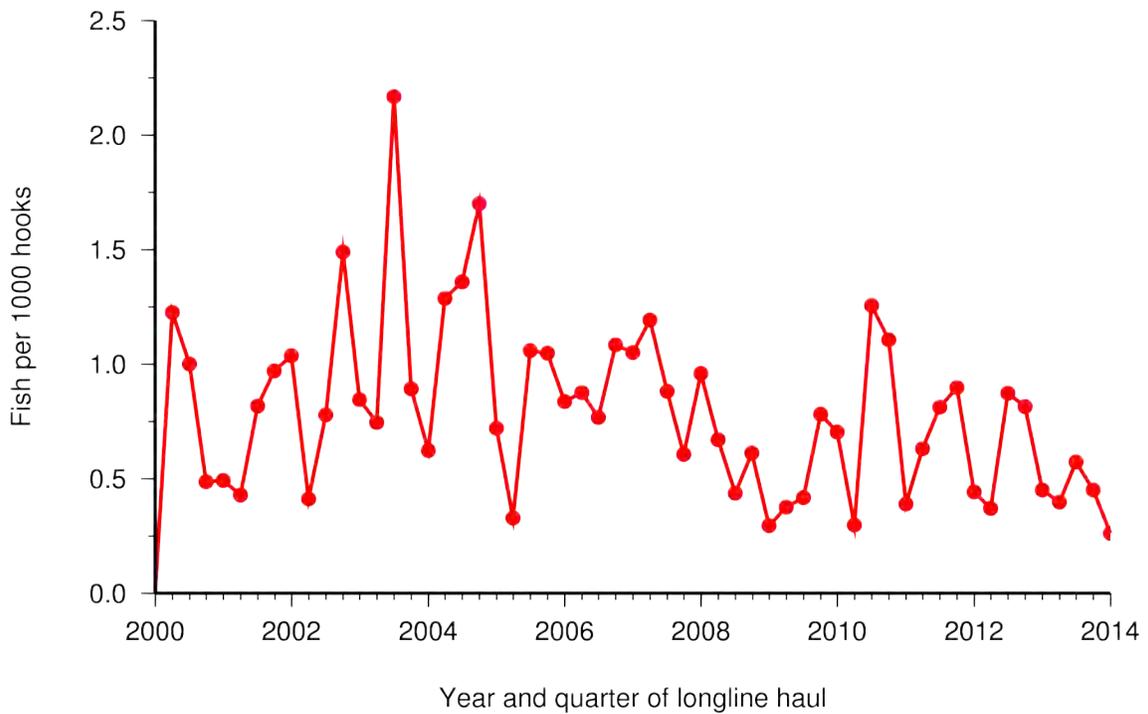


Figure 8. Quarterly CPUE of bigeye tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

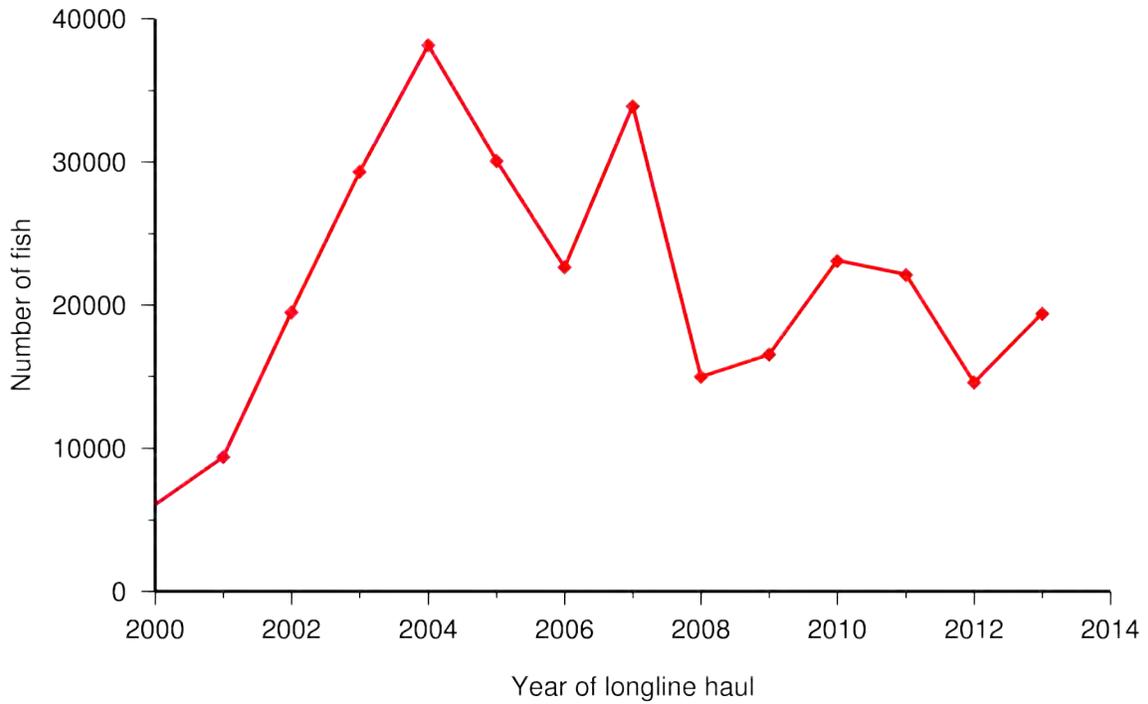


Figure 9. Annual catch (kept + released) of yellowfin tuna by longline vessels based in American Samoa, 2000-2013.

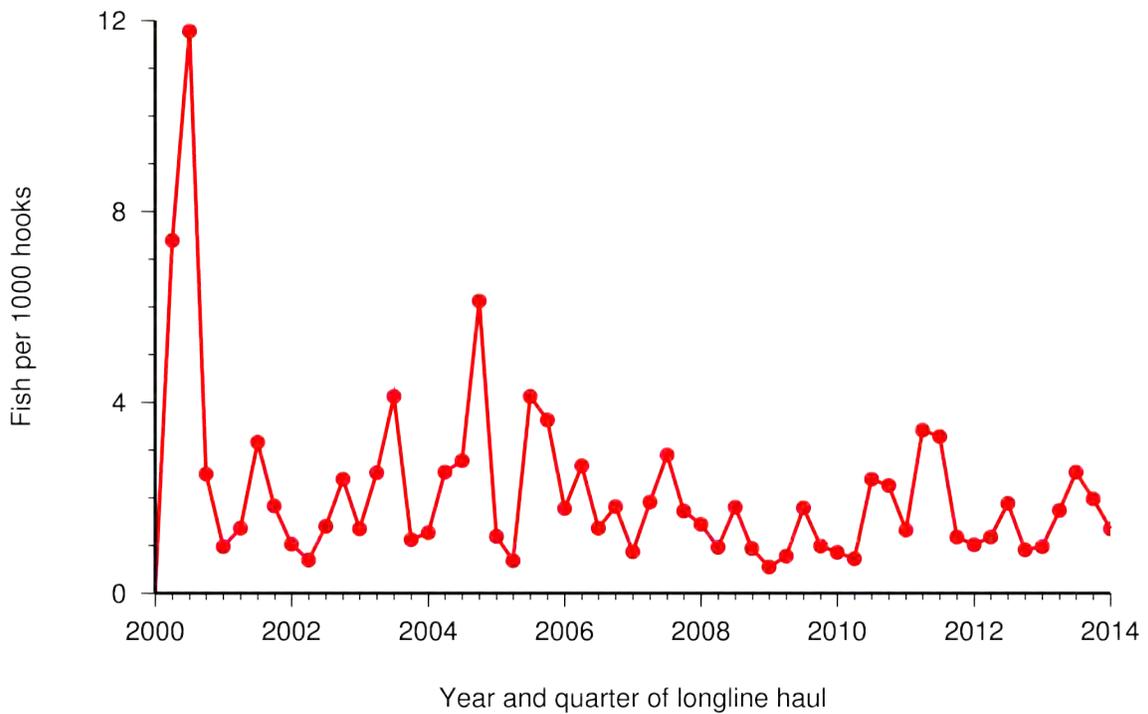


Figure 10. Quarterly CPUE of yellowfin tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

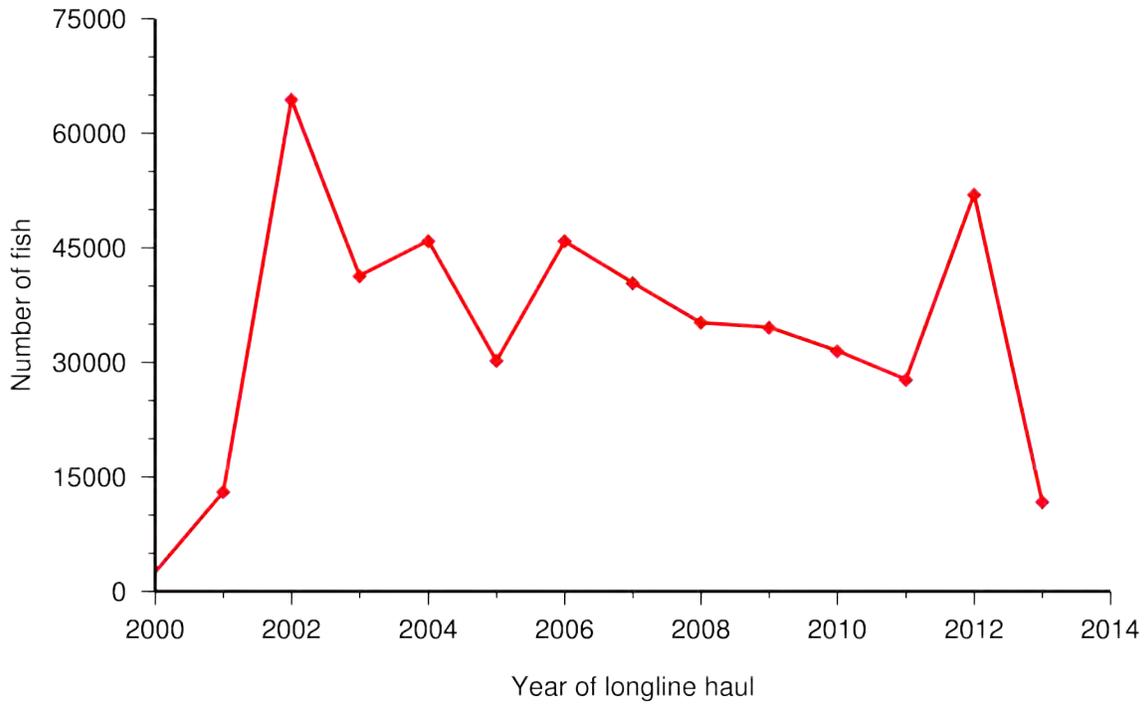


Figure 11. Annual catch (kept + released) of skipjack tuna by longline vessels based in American Samoa, 2000-2013.

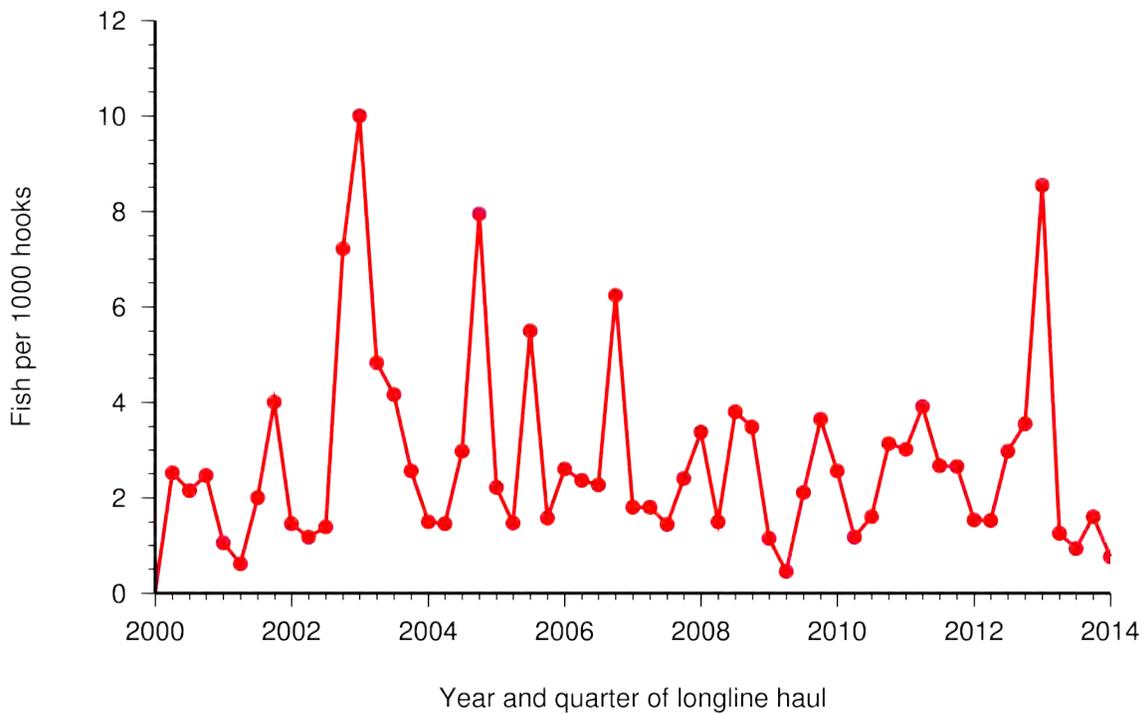


Figure 12. Quarterly CPUE of skipjack tuna (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

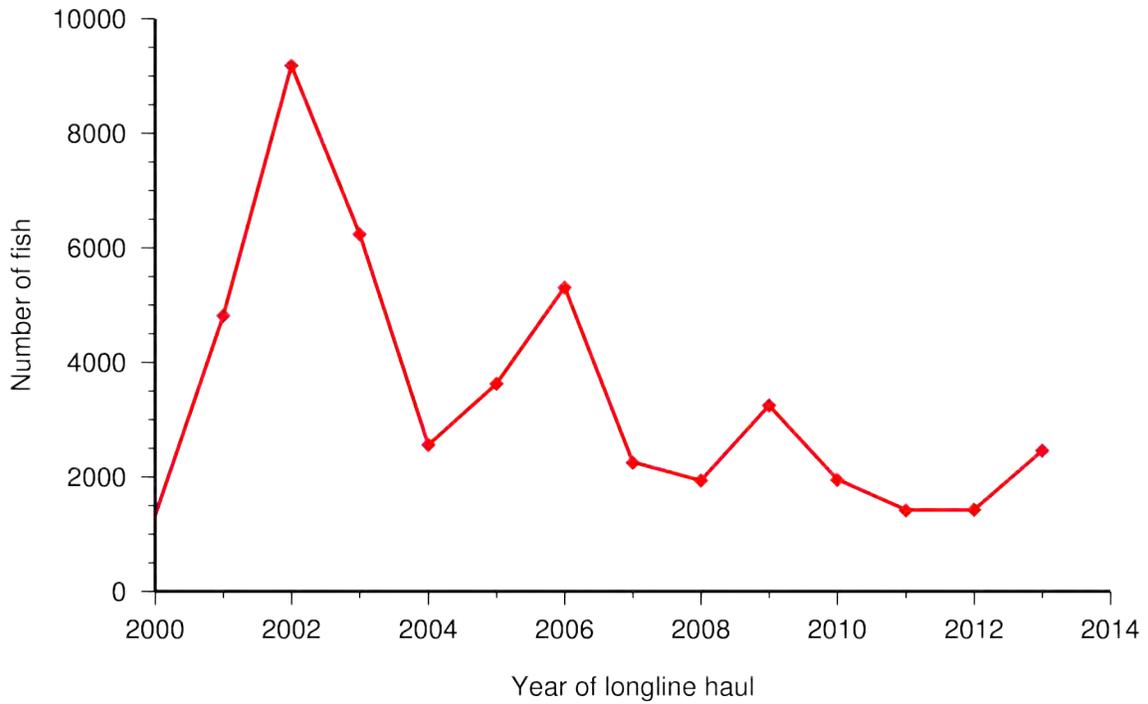


Figure 13. Annual catch (kept + released) of mahimahi by longline vessels based in American Samoa, 2000-2013.

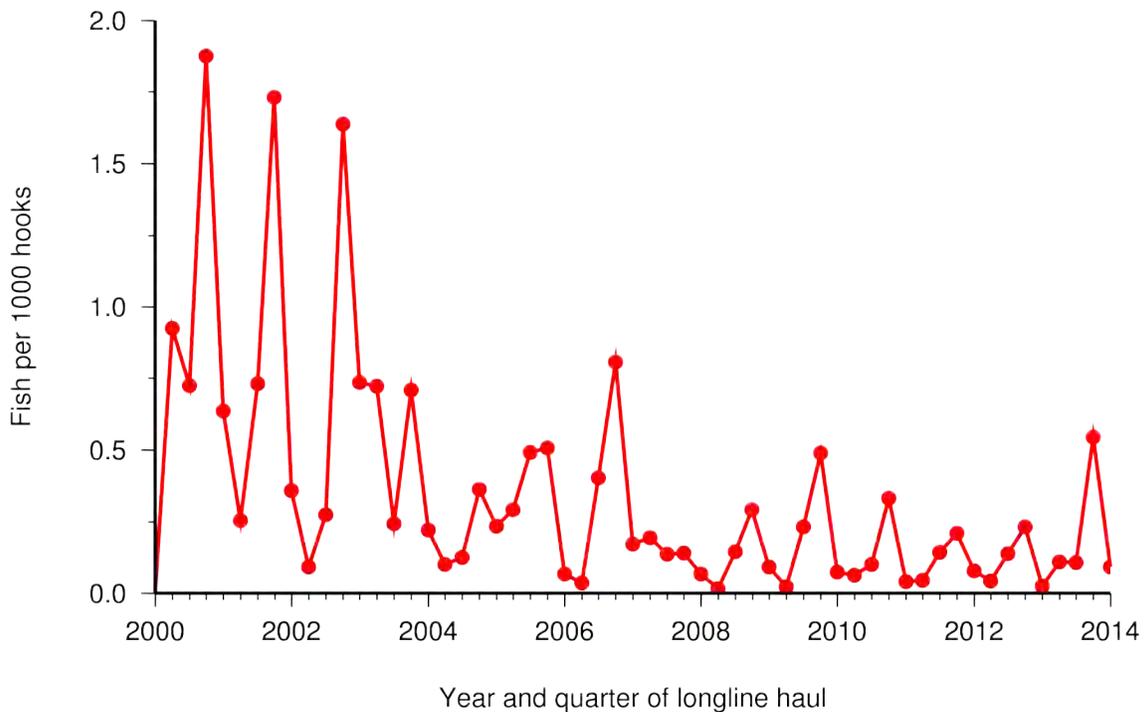


Figure 14. Quarterly CPUE of mahimahi (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

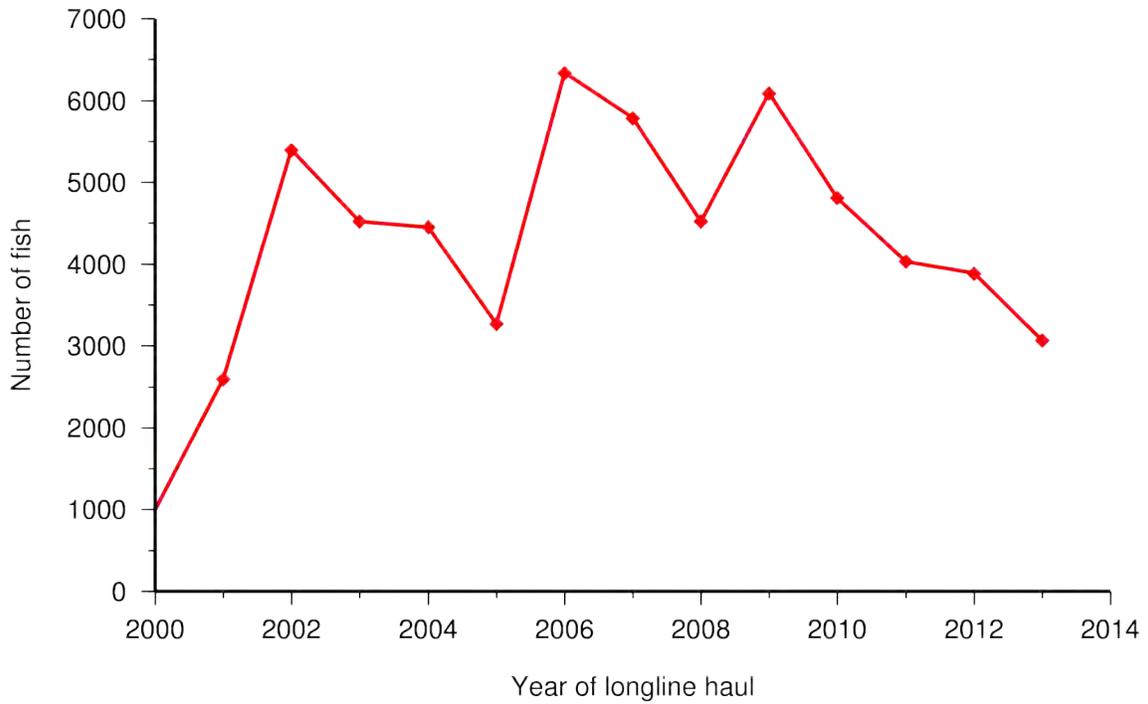


Figure 15. Annual catch (kept + released) of billfish by longline vessels based in American Samoa, 2000-2013.

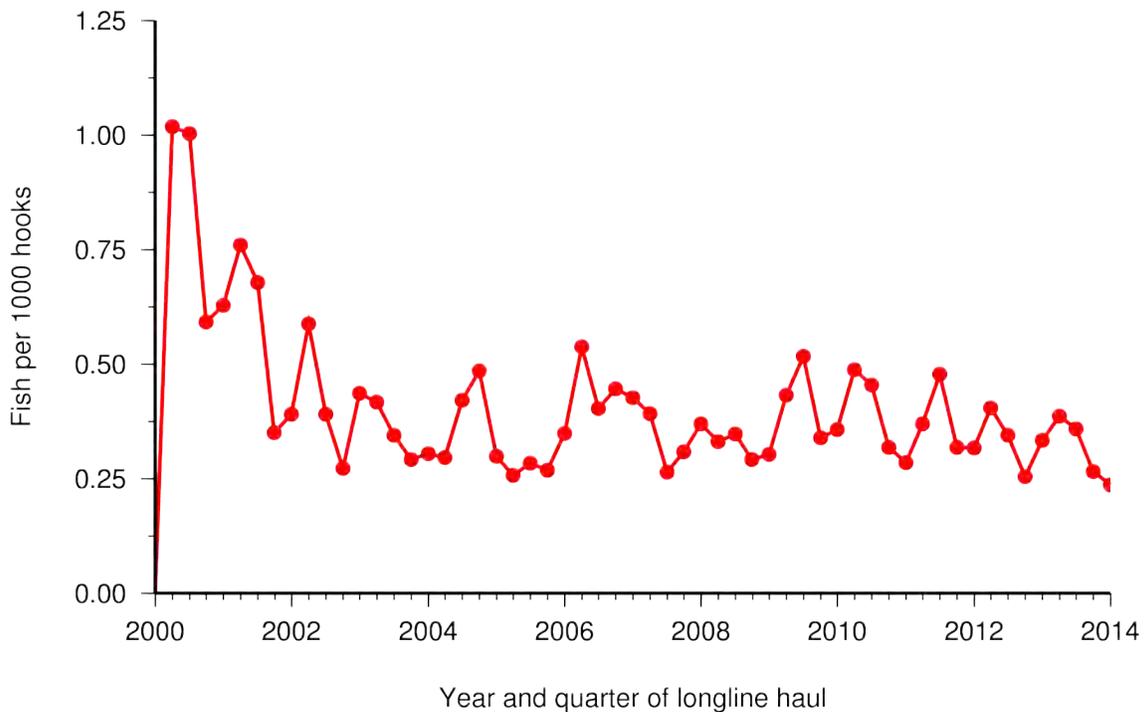


Figure 16. Quarterly CPUE of billfish (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

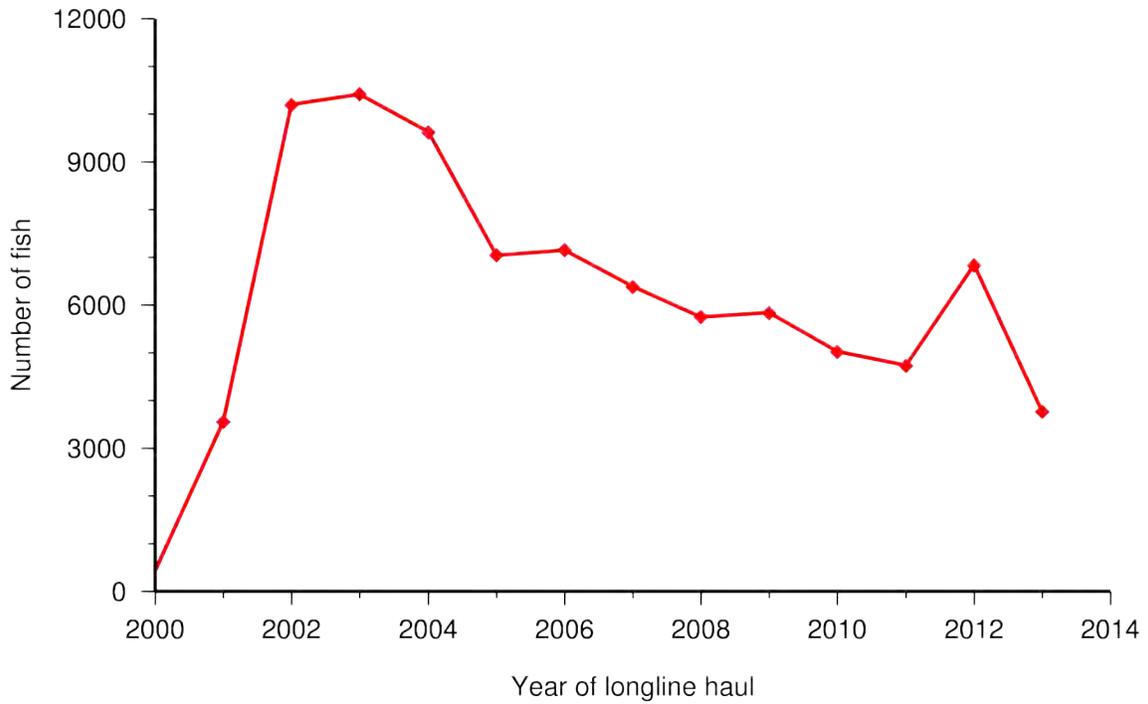


Figure 17. Annual catch (kept + released) of sharks caught by longline vessels based in American Samoa, 2000-2013.

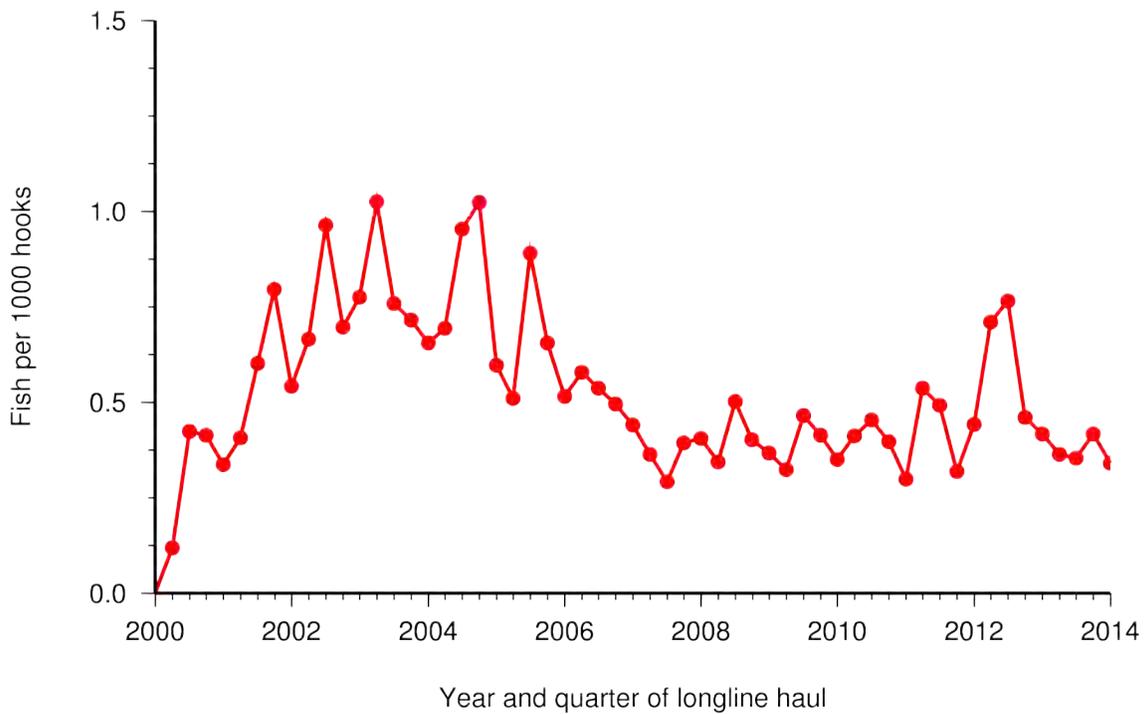


Figure 18. Quarterly CPUE of sharks caught (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.

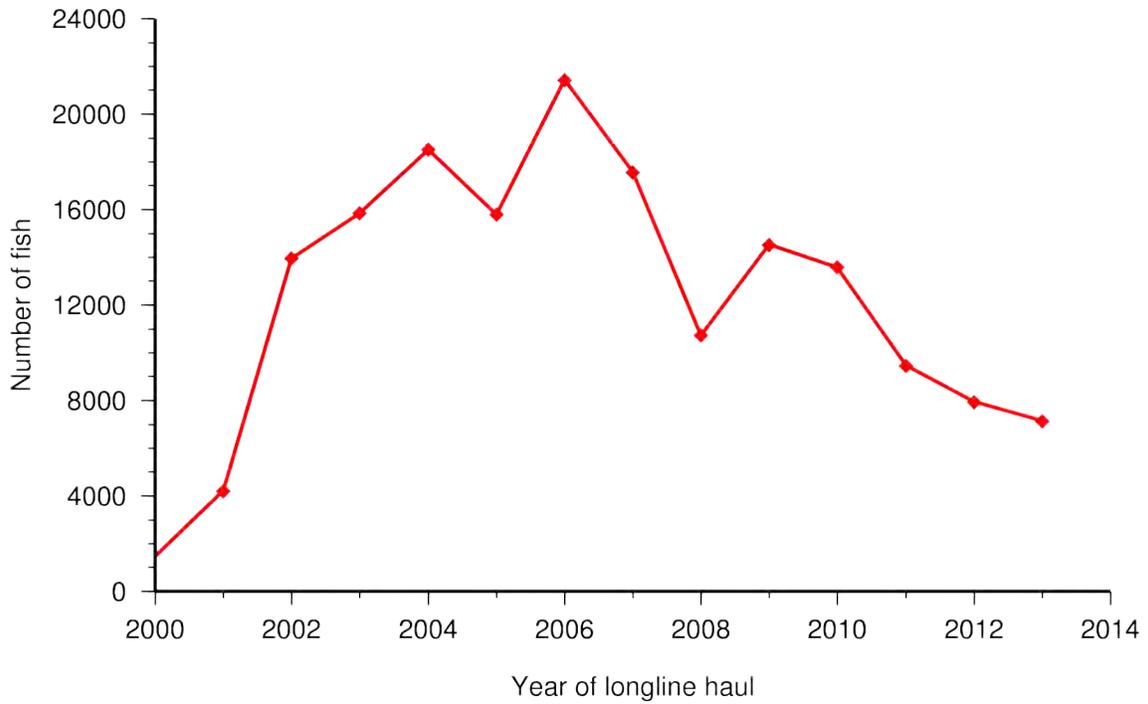


Figure 19. Annual catch (kept + released) of wahoo by longline vessels based in American Samoa, 2000-2013.

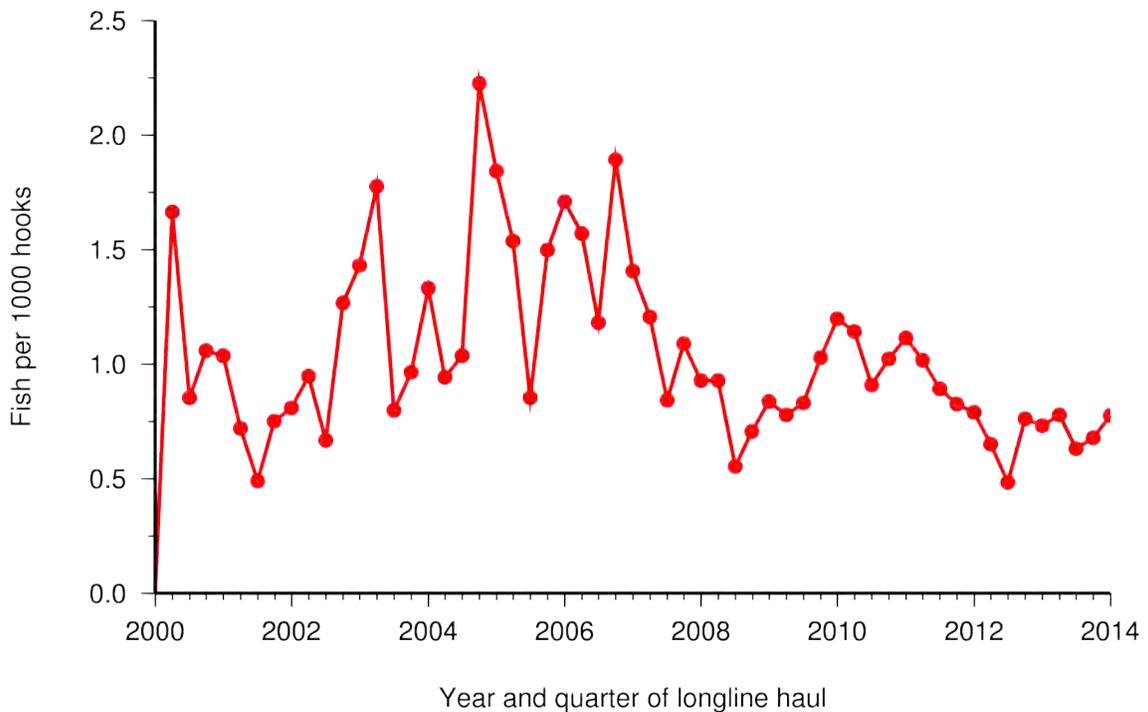


Figure 20. Quarterly CPUE of wahoo (kept + released, per 1000 hooks) by longline vessels based in American Samoa, 2000-2013.