The Hawaii-based Longline Logbook Summary Report July-September 2010¹

Pacific Islands Fisheries Science Center Fisheries Monitoring Branch

This report summarizes data on fish catch and fishing effort by Hawaii-based longline vessels during the third quarter of 2010 (Q3-2010). 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 the third quarter of 2010 and most, but not all, Q3-2010 data from trips that began late in the third quarter and continued into the fourth quarter of 2010. Therefore, the Q3-2010 summary statistics reported here are preliminary.

During Q3-2010, 117 vessels were active in the Hawaii-based fleet, 1 less than in Q3-2009 (Table 1, Fig. 1). They made 385 longline trips (32 more than in Q3-2009), including 376 using deep-set gear to target tuna (30 more than in Q3-2009) and 9 using shallow-set gear to target swordfish (2 more than in Q3-2009; Fig. 2). During Q3-2010, the fleet deployed 10.3 million hooks, 1.2 million more than in Q3-2009 (Fig. 3). They fished mainly on the high seas outside the U.S. EEZ (89% of the total hooks set), followed by the Exclusive Economic Zone (EEZ) of the main Hawaiian Islands (MHI) (9%), the Northwestern Hawaiian Islands (NWHI) EEZ (2%) and the EEZ of the U.S. 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) (<1%).

In Q3-2010, the Hawaii longline fleet caught 33,712 bigeye tuna (Fig. 4); 95% were caught in waters outside the U.S. EEZ. The bigeye tuna catch-per-unit-of-effort (CPUE) on tuna-targeted trips was 3.3 fish per 1000 hooks, about the same as in Q3-2009 (Fig. 5). The albacore catch and CPUE on tuna-targeted trips in Q3-2010 were at their highest levels in 5 years with 2,746 fish caught and a CPUE of 0.27 fish per 1000 hooks (Figs. 6-7). The yellowfin tuna catch and CPUE on tuna-targeted trips in Q3-2010 were 3,720 fish and 0.36 fish per 1000 hooks, respectively (Figs. 8-9).

The Q3-2010 swordfish catch was 1,578 fish, or close to the swordfish catch in Q3-2009 (Fig. 10). In Q3-2010, swordfish CPUE on shallow-set swordfish-targeted trips was 8.0 fish per 1000 hooks, 28% lower than in Q3-2009 (Fig. 11).

The striped marlin catch in Q3-2010 was 1,025 fish, and the CPUE on tuna-targeted trips was 0.10 fish per 1000 hooks (Figs. 12-13). The blue marlin catch in Q3-2010 was 991 fish with a CPUE of 0.10 fish per 1000 hooks on tuna-targeted trips (Figs. 14-15).

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¹ PIFSC Data Report DR-10-011 Issued 17 December 2010

The fleet caught 14,923 sharks in Q3-2010, of which 306 (2%) were kept. Blue shark comprised 87% of the total shark catch (12,960 fish) (Fig. 16). Blue shark CPUE on shallow-set swordfish-targeted trips in Q3-2010 was 11.7 fish per 1000 hooks (Fig. 17).

In Q3-2010, the Hawaii longline catch of other key pelagic species included a record 54,526 mahimahi (Fig. 18) and a record Q3 high mahimahi CPUE of 5.3 fish per 1000 hooks on tuna-targeted trips (Fig. 19); 6,699 moonfish (Fig. 20) with a CPUE of 0.65 fish per 1000 hooks on tuna-targeted trips (Fig. 21); 7,297 pomfret (Fig. 22) with a CPUE of 0.72 fish per 1000 hooks on tuna-targeted trips (Fig. 23); and 2,571 wahoo (Fig. 24) with a CPUE of 0.25 fish per 1000 hooks on tuna-targeted trips (Fig. 25). A high percentage of the catch of these species was kept.

The summary statistics in Table 1 are based on logbook records from all fishing areas combined and all types of longline trips—those targeting swordfish and those aimed at catching tuna. Hence, the CPUE figures in Table 1 differ from those reported above, which were calculated using data exclusively from tuna-targeted trips or swordfish-targeted trips, depending on the species of interest.

The longline logbook statistics reported above refer to all fishing areas combined. Q3-2010 summary catch and effort 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. Q3-2010 summary statistics for the entire fishing area 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 Web site at http://www.pifsc.noaa.gov/fmsd/reports.php. The Web site 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. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Report Coverage Time Period 3rd Quarte Fishing Area Trip Types All Trip T			Number of vessels ac Number of trips Number of sets Number of hooks set	385 4,550
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
		Порт	Released	eaught per 1000 hooks
Billfishes				
Blue marlin	991	983	8	0.10
Striped marlin	1,025	1,018	7	0.10
Shortbill spearfish	2,408	2,393	15	0.23
Swordfish	1,578	1,475	103	0.15
Other billfishes	176	173	3	0.02
Total	6,178	6,042	136	0.60
Sharks				
Blue shark	12,960	37	12,923	1.26
Mako sharks	878	238	640	0.09
Thresher sharks	912	29	883	0.09
Oceanic whitetip shark	71	1	70	0.01
Silky shark	2	0	2	0.00
Other sharks	100	1	99	0.01
Total	14,923	306	14,617	1.45
Tunas				
Albacore	2,746	2,728	18	0.27
Bigeye tuna	33,712	33,197	515	3.28
Yellowfin tuna	3,720	3,659	61	0.36
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,196	2,170	26	0.21
Other tunas	12	12	0	0.00
Total	42,386	41,766	620	4.13
Other PMUS				
Mahimahi	54,526	52,892	1,634	5.31
Moonfish	6,699	6,642	57	0.65
Wahoo	2,571	2,558	13	0.25
Oilfish	7,411	7,293	118	0.72
Pomfret	7,297	7,262	35	0.71
Total	78,504	76,647	1,857	7.64
Total PMUS	141,991	124,761	17,230	13.82
Total Non-PMUS	763	508	255	0.07

17,485

142,754

Total All Species

Table 2. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Report Coverage		Number of vessels active	58
Time Period	3rd Quarter 2010	Number of trips	91
Fishing Area	Main Hawaiian Islands EEZ	Number of sets	451
Trip Types	All Trip Types	Number of hooks set	885,593

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hook
Billfishes				
Blue marlin	196	195	1	0.22
Striped marlin	105	105	0	0.12
Shortbill spearfish	248	248	0	0.28
Swordfish	117	109	8	0.13
Other billfishes	12	12	0	0.01
Total	678	669	9	0.77
Sharks				
Blue shark	1,423	11	1,412	1.61
Mako sharks	21	5	16	0.02
Thresher sharks	30	7	23	0.03
Oceanic whitetip shark	10	0	10	0.01
Silky shark	0	0	0	0.00
Other sharks	12	0	12	0.01
Total	1,496	23	1,473	1.69
Tunas				
Albacore	393	392	1	0.44
Bigeye tuna	1,470	1,462	8	1.66
Yellowfin tuna	1,594	1,588	6	1.80
Bluefin tuna	0	0	0	0.00
Skipjack tuna	489	485	4	0.55
Other tunas	0	0	0	0.00
Total	3,946	3,927	19	4.46
Other PMUS				
Mahimahi	856	850	6	0.97
Moonfish	215	214	1	0.24
Wahoo	481	479	2	0.54
Oilfish	282	272	10	0.32
Pomfret	375	374	1	0.42
Total	2,209	2,189	20	2.49
Total PMUS	8,329	6,808	1,521	9.40
Total Non-PMUS	414	412	2	0.47

1,523

8,743

Total All Species

Table 3. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Fishing Area No	Time Period 3rd Quarter 2010 Fishing Area Northwestern Hawaiian Islands EEZ			26 31 85 set 184,020
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
Billfishes				
Blue marlin	18	18	0	0.10
Striped marlin	34	34	0	0.18
Shortbill spearfish	23	23	0	0.12
Swordfish	26	26	0	0.14
Other billfishes	0	0	0	0.00
Total	101	101	0	0.55
Sharks				
Blue shark	309	0	309	1.68
Mako sharks	13	4	9	0.07
Thresher sharks	1	0	1	0.01
Oceanic whitetip sha	rk 1	0	1	0.01
Silky shark	0	0	0	0.00
Other sharks	0	0	0	0.00
Total	324	4	320	1.76
Tunas				
Albacore	58	58	0	0.32
Bigeye tuna	87	87	0	0.47
Yellowfin tuna	285	271	14	1.55
Bluefin tuna	0	0	0	0.00
Skipjack tuna	35	35	0	0.19
Other tunas	0	0	0	0.00
Total	465	451	14	2.53
Other PMUS				
Mahimahi	93	93	0	0.51
Moonfish	120	120	0	0.65
Wahoo	115	113	2	0.62
Oilfish	65	65	0	0.35
Pomfret	72	72	0	0.39
Total	465	463	2	2.53

Total All Species	1,369	1,032	337	7.44

14

Total PMUS

Total Non-PMUS

1,019

13

336

1

7.36

Table 4. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].							
Report Coverage Time Period Fishing Area Trip Types	3rd Quarter 2010 Pacific Remote Island Areas (PRIA) EEZ All Trip Types			Number of vessels active Number of trips Number of sets Number of hooks set 66,20			
Pelagic Management Species (PMUS)	Unit	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks		
Billfishes							
Blue marlin		18	18	0	0.27		
Striped marlin		25	25	0	0.38		
Shortbill spearfi	ish	21	21	0	0.32		
Swordfish		3	3	0	0.05		
Other billfishes		1	1	0	0.02		
	Total	68	68	0	1.03		
Sharks							
Blue shark		205	0	205	3.09		
Mako sharks		0	0	0	0.00		
Thresher sharks		50	0	50	0.75		
Oceanic whiteti	p shark	16	0	16	0.24		
Silky shark		0	0	0	0.00		
Other sharks		4	0	4	0.06		
	Total	275	0	275	4.15		
Tunas							
Albacore		13	13	0	0.20		
Bigeye tuna		217	214	3	3.27		
Yellowfin tuna		26	26	0	0.39		
Bluefin tuna		0	0	0	0.00		
Skipjack tuna		65	63	2	0.98		
Other tunas		0	0	0	0.00		
	Total	321	316	5	4.84		
Other PMUS							
Mahimahi		1	1	0	0.02		
Moonfish		5	5	0	0.08		
Wahoo		22	21	1	0.33		
Oilfish		4	4	0	0.06		
Pomfret		101	99	2	1.52		
	Total	133	130	3	2.01		
Total PMUS		797	514	283	12.03		
Total Non-PMUS		0	0	0	0.00		

Total All Species 797 514

12.03

283

Table 5. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Number of vessels active Time Period 3rd Quarter 2010 Fishing Area Hawaiian Islands FEZ+ PRIA FEZ Number of trips 116 Number of sets 565 Number of hooks set 1,135,873	Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].							
Fishing Area Hawaiian Islands EEZ + PRIA EEZ Number of sets Number of hooks set 1,135,873	-							
Pelagic Management Unit		-			_			
Pelagic Management Unit Number Species (PMUS) Caught Rept Released Caught per 1000 hooks	•			EEZ				
Species (PMUS) Caught Kept Released Caught per 1000 hooks	Trip Types	All Hip Typ	es		Number of mooks set	1,133,873		
Billishes Billishes Billishes Billishes Billishes Billishes Carlo Carl	Pelagic Management	Unit	Number	Number	Number	CPUE - Number		
Blue marlin 232 231 1 0.20 Striped marlin 164 164 0 0.14 Shortbill spearfish 292 292 0 0.26 Swordfish 146 138 8 0.13 Other billfishes 13 13 0 0.01 Total 847 838 9 0.75 Sharks Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0 0 Other sharks 16 0 16 0.01 0 0 Total 2,095 27 2,068 1.84 1 Tunas Albacore 464 463 1 0,41 1 <th>Species (PMUS)</th> <th></th> <th>Caught</th> <th>Kept</th> <th>Released (</th> <th>Caught per 1000 hooks</th>	Species (PMUS)		Caught	Kept	Released (Caught per 1000 hooks		
Striped marlin 164 164 0 0.14 Shortbill spearfish 292 292 0 0.26 Swordfish 146 138 8 0.13 Other billfishes 13 13 0 0.01 Total 847 838 9 0.75 Sharks Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas 1 1,774 1,763 11 1,56 Yellowfin tuna 1,905 1,885 20 1,68 Bluefin tuna 0 0 0 0	Billfishes							
Shortbill spearfish 292 292 0 0.26 Swordfish 146 138 8 0.13 Other billfishes 13 13 0 0.01 Total 847 838 9 0.75 Sharks Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas 464 463 1 0.41 84 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0	Blue marlin		232	231	1	0.20		
Swordfish 146 138 8 0.13 Other billfishes 13 13 0 0.01 Total 847 838 9 0.75 Sharks Slue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0 0.00 Other sharks 16 0 16 0.01 0	Striped marlin		164	164	0	0.14		
Other billfishes 13 13 0 0.01 Total 847 838 9 0.75 Sharks Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Total 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0 0 Skipjack tuna 589 583 6 0.52 0 0 Other PMUS	Shortbill spearfi	sh	292	292	0	0.26		
Total 847 838 9 0.75 Sharks Image: Sharks of the proofing of the p	Swordfish		146	138	8	0.13		
Sharks Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi	Other billfishes		13	13	0	0.01		
Blue shark 1,937 11 1,926 1.71 Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Total 2,095 27 2,068 1.84 Total 2,095 27 2,068 1.84 Total 464 463 1 0.41 0.01 Total 464 463 1 0.42 0.42 0.42 0.42	•	Total	847	838	9	0.75		
Mako sharks 34 9 25 0.03 Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilf	Sharks							
Thresher sharks 81 7 74 0.07 Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfr	Blue shark		1,937	11	1,926	1.71		
Oceanic whitetip shark 27 0 27 0.02 Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341	Mako sharks		34	9	25	0.03		
Silky shark 0 0 0 0.00 Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 <td>Thresher sharks</td> <td></td> <td>81</td> <td>7</td> <td>74</td> <td>0.07</td>	Thresher sharks		81	7	74	0.07		
Other sharks 16 0 16 0.01 Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Total 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	Oceanic whiteti	p shark	27	0	27	0.02		
Total 2,095 27 2,068 1.84 Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	Silky shark		0	0	0	0.00		
Tunas Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9,23	Other sharks		16	0	16	0.01		
Albacore 464 463 1 0.41 Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	•	Total	2,095	27	2,068	1.84		
Bigeye tuna 1,774 1,763 11 1.56 Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	Tunas							
Yellowfin tuna 1,905 1,885 20 1.68 Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9,23	Albacore		464	463	1	0.41		
Bluefin tuna 0 0 0 0.00 Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	Bigeye tuna		1,774	1,763	11	1.56		
Skipjack tuna 589 583 6 0.52 Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9,23	Yellowfin tuna		1,905	1,885	20	1.68		
Other tunas 0 0 0 0.00 Total 4,732 4,694 38 4.17 Other PMUS Other PMUS 0.84 0.84 0.84 Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9.23	Bluefin tuna		0	0	0	0.00		
Total 4,732 4,694 38 4.17 Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9.23	Skipjack tuna		589	583	6	0.52		
Other PMUS Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 10,481 8,341 2,140 9.23	Other tunas		0	0	0	0.00		
Mahimahi 950 944 6 0.84 Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total PMUS 2,807 2,782 25 2,47 Total PMUS 10,481 8,341 2,140 9,23	•	Total	4,732	4,694	38	4.17		
Moonfish 340 339 1 0.30 Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2,47 Total PMUS 10,481 8,341 2,140 9,23	Other PMUS							
Wahoo 618 613 5 0.54 Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9.23	Mahimahi		950	944	6	0.84		
Oilfish 351 341 10 0.31 Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9.23	Moonfish		340	339	1	0.30		
Pomfret 548 545 3 0.48 Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9.23	Wahoo		618	613	5	0.54		
Total 2,807 2,782 25 2.47 Total PMUS 10,481 8,341 2,140 9.23	Oilfish		351	341	10	0.31		
Total PMUS 10,481 8,341 2,140 9.23	Pomfret		548	545	3	0.48		
7.20	,	Total	2,807	2,782	25	2.47		
Total Non-PMUS 428 425 3 0.38	Total PMUS		10,481	8,341	2,140	9.23		
0.00	Total Non-PMUS		428	425	3	0.38		

2,143

9.60

10,909

Total All Species

Table 6. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Report Coverage Time Period 3rd Quarte Fishing Area Trip Types All Trip Types	S. EEZ		Number of vessels as Number of trips Number of sets Number of hooks set	360 3,985
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
Billfishes				
Blue marlin	759	752	7	0.08
Striped marlin	861	854	7	0.09
Shortbill spearfish	2,116	2,101	15	0.23
Swordfish	1,432	1,337	95	0.16
Other billfishes	163	160	3	0.02
Total	5,331	5,204	127	0.58
Sharks	,	,		
Blue shark	11,023	26	10,997	1.21
Mako sharks	844	229	615	0.09
Thresher sharks	831	22	809	0.09
Oceanic whitetip shark	44	1	43	0.00
Silky shark	2	0	2	0.00
Other sharks	84	1	83	0.01
Total	12,828	279	12,549	1.40
Tunas				
Albacore	2,282	2,265	17	0.25
Bigeye tuna	31,938	31,434	504	3.49
Yellowfin tuna	1,815	1,774	41	0.20
Bluefin tuna	0	0	0	0.00
Skipjack tuna	1,607	1,587	20	0.18
Other tunas	12	12	0	0.00
Total	37,654	37,072	582	4.12
Other PMUS				
Mahimahi	53,576	51,948	1,628	5.86
Moonfish	6,359	6,303	56	0.70
Wahoo	1,953	1,945	8	0.21
Oilfish	7,060	6,952	108	0.77
Pomfret	6,749	6,717	32	0.74
Total	75,697	73,865	1,832	8.28
Total PMUS	131,510	116,420	15,090	14.39
Total Non-PMUS	335	83	252	0.04

Total All Species

116,503

15,342

Table 7. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Report Coverage		Number of vessels active	7
Time Period	3rd Quarter 2010	Number of trips	9
Fishing Area	All Areas	Number of sets	109
Trip Types	Swordfish Targeted Trips	Number of hooks set	112,712

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE - Number Caught per 1000 hooks
Billfishes				
Blue marlin	5	4	1	0.04
Striped marlin	35	34	1	0.31
Shortbill spearfish	14	13	1	0.12
Swordfish	902	848	54	8.00
Other billfishes	0	0	0	0.00
Total	956	899	57	8.48
Sharks				
Blue shark	1,320	0	1,320	11.71
Mako sharks	104	2	102	0.92
Thresher sharks	8	0	8	0.07
Oceanic whitetip shark	9	0	9	0.08
Silky shark	0	0	0	0.00
Other sharks	3	0	3	0.03
Total	1,444	2	1,442	12.81
Tunas				
Albacore	19	16	3	0.17
Bigeye tuna	23	20	3	0.20
Yellowfin tuna	16	16	0	0.14
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2	2	0	0.02
Other tunas	0	0	0	0.00
Total	60	54	6	0.53
Other PMUS				
Mahimahi	620	612	8	5.50
Moonfish	59	19	40	0.52
Wahoo	2	2	0	0.02
Oilfish	141	123	18	1.25
Pomfret	1	0	1	0.01
Total	823	756	67	7.30
Total PMUS	3,283	1,711	1,572	29.13
Total Non-PMUS	3	1	2	0.03

Total All Species	3,286	1,712	1,574	29.15

Table 8. Quarterly summary report of fishing effort and catch statistics for U.S. longline vessels landing in Hawaii as derived from NMFS Western Pacific Daily Longline Fishing Log records. [PIFSC Information Management System, Longline Logbook Data, 12/1/2010 2:42:42PM].

Report Coverage Time Period 3rd Quarte Fishing Area Trip Types Tuna Targ			Number of vessels ac Number of trips Number of sets Number of hooks set	tive 115 376 4,441 10,161,975
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released (CPUE - Number Caught per 1000 hooks
Billfishes				
Blue marlin	986	979	7	0.10
Striped marlin	990	984	6	0.10
Shortbill spearfish	2,394	2,380	14	0.24
Swordfish	676	627	49	0.07
Other billfishes	176	173	3	0.02
Total	5,222	5,143	79	0.51
Sharks				
Blue shark	11,640	37	11,603	1.15
Mako sharks	774	236	538	0.08
Thresher sharks	904	29	875	0.09
Oceanic whitetip shark	62	1	61	0.01
Silky shark	2	0	2	0.00
Other sharks	97	1	96	0.01
Total	13,479	304	13,175	1.33
Tunas				
Albacore	2,727	2,712	15	0.27
Bigeye tuna	33,689	33,177	512	3.32
Yellowfin tuna	3,704	3,643	61	0.36
Bluefin tuna	0	0	0	0.00
Skipjack tuna	2,194	2,168	26	0.22
Other tunas	12	12	0	0.00
Total	42,326	41,712	614	4.17
Other PMUS				
Mahimahi	53,906	52,280	1,626	5.30
Moonfish	6,640	6,623	17	0.65
Wahoo	2,569	2,556	13	0.25
Oilfish	7,270	7,170	100	0.72
Pomfret	7,296	7,262	34	0.72
Total	77,681	75,891	1,790	7.64
Total PMUS	138,708	123,050	15,658	13.65
Total Non-PMUS	760	507	253	0.07

15,911

13.72

139,468

Total All Species

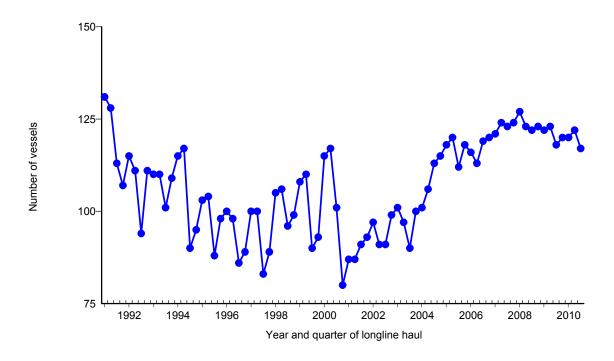


Figure 1. Number of active longline vessels based and landing in Hawaii, by quarter, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:29:14PM]

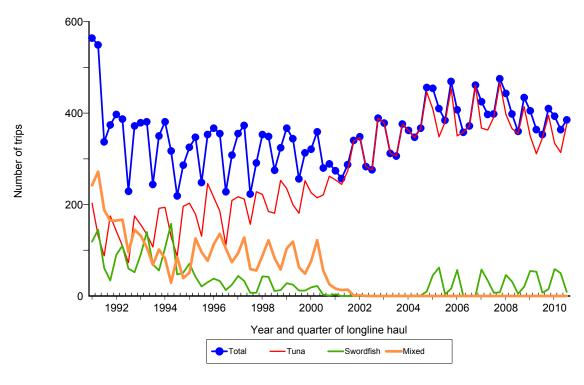


Figure 2. Number of fishing trips by longline vessels based and landing in Hawaii, by quarter and trip type, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:29:14PM]

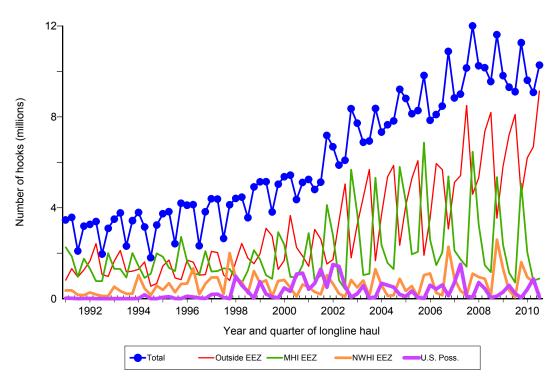


Figure 3. Number of hooks set by longline vessels based and landing in Hawaii, by quarter and fishing area, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:29:25PM]

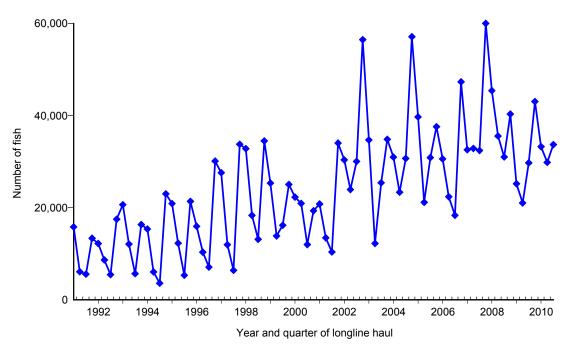


Figure 4. Quarterly catch of bigeye tuna by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:29:49PM]

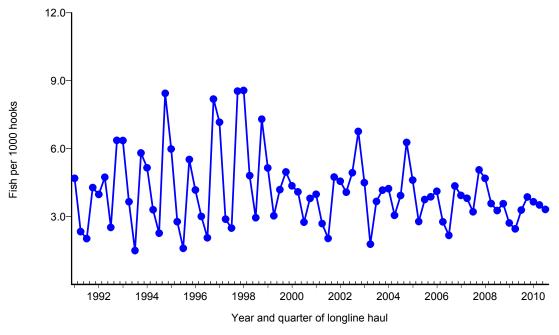


Figure 5. Quarterly CPUE of bigeye tuna (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:29:49PM]

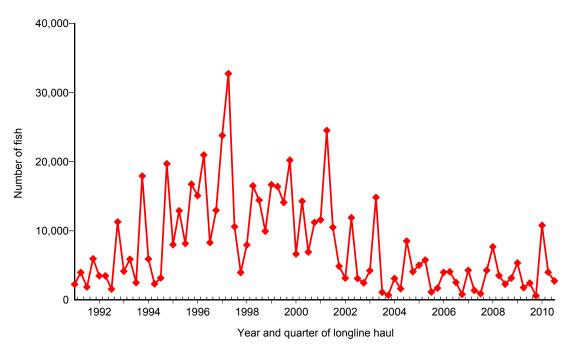


Figure 6. Quarterly catch of albacore by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:30:13PM]

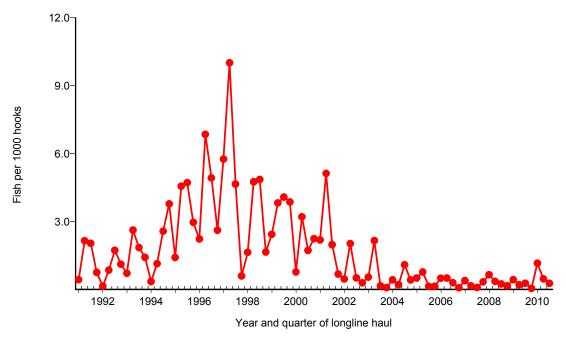


Figure 7. Quarterly CPUE of albacore (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:30:13PM]

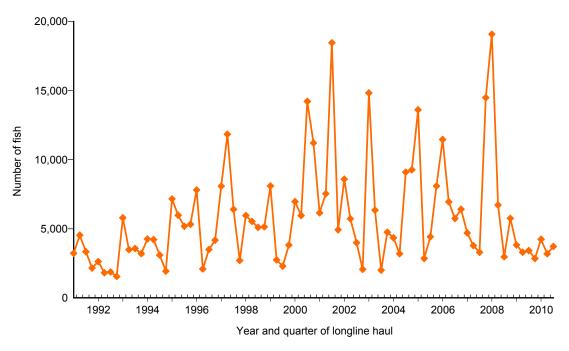


Figure 8. Quarterly catch of yellowfin tuna by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:30:36PM]

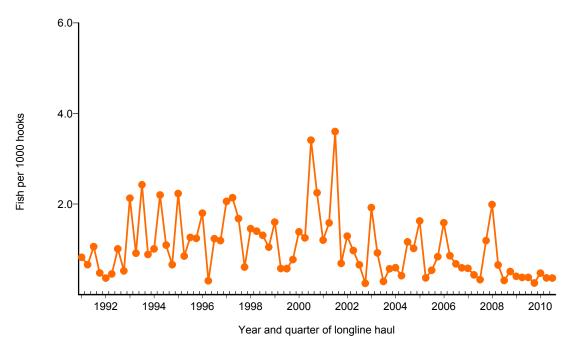


Figure 9. Quarterly CPUE of yellowfin tuna (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:30:36PM]

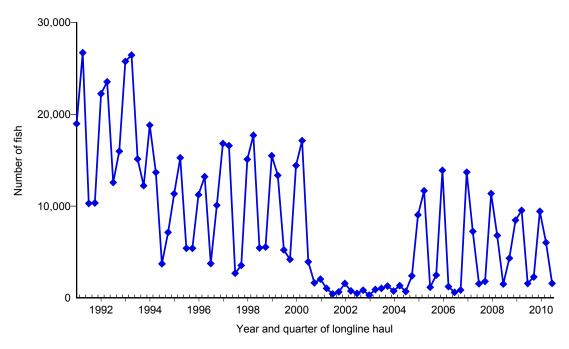


Figure 10. Quarterly catch of swordfish by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:00PM]

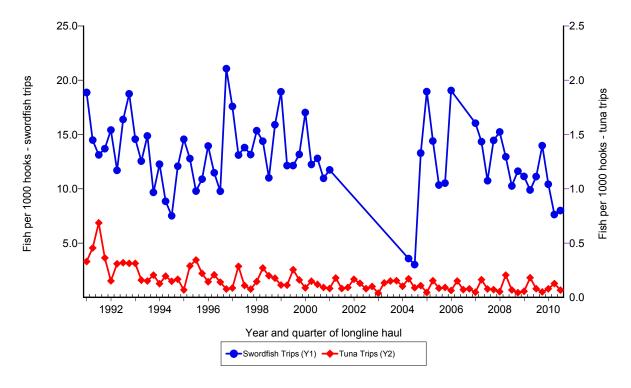


Figure 11. Quarterly CPUE of swordfish (fish per 1000 hooks) on swordfish trips and tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:00PM]

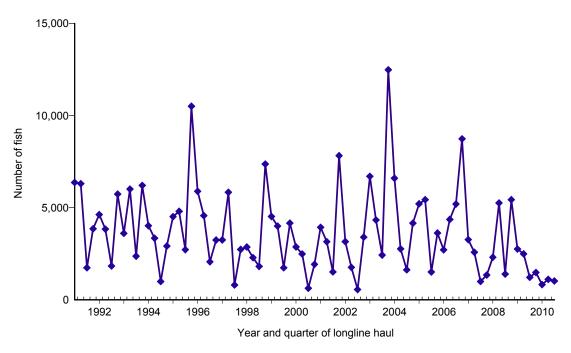


Figure 12. Quarterly catch of striped marlin by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:24PM]

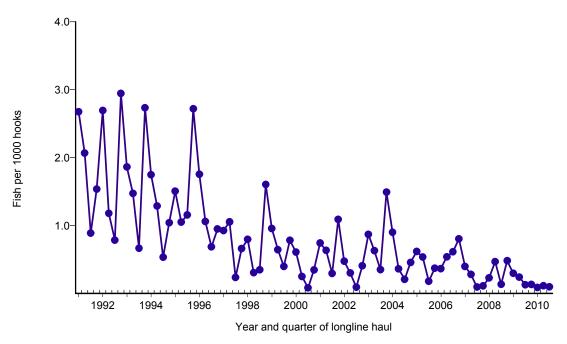


Figure 13. Quarterly CPUE of striped marlin (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:24PM]

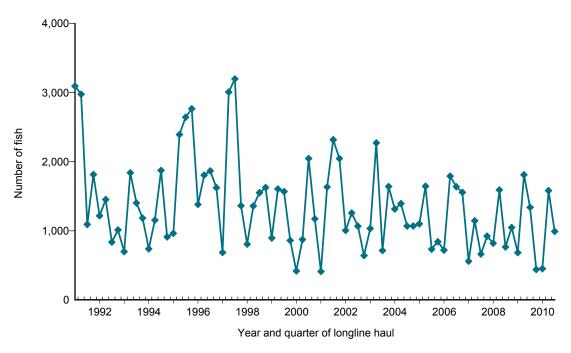


Figure 14. Quarterly catch of blue marlin by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:48PM]

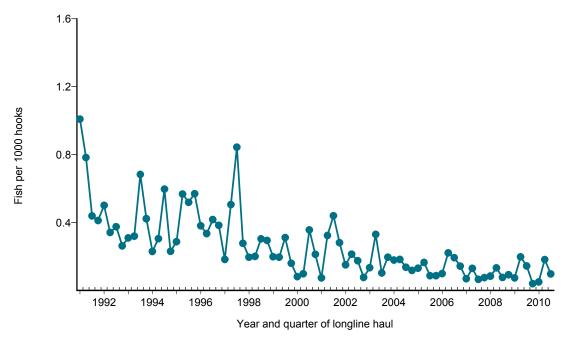


Figure 15. Quarterly CPUE of blue marlin (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:31:48PM]

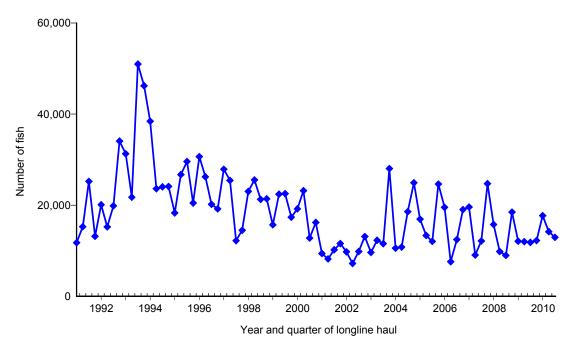


Figure 16. Quarterly catch of blue shark by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:32:12PM]

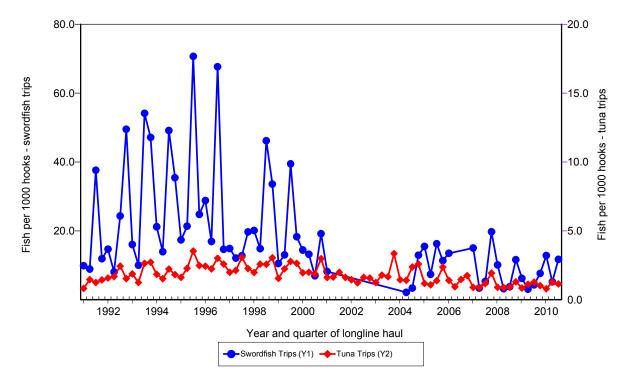


Figure 17. Quarterly CPUE of blue shark (fish per 1000 hooks) on swordfish trips and tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:32:12PM]

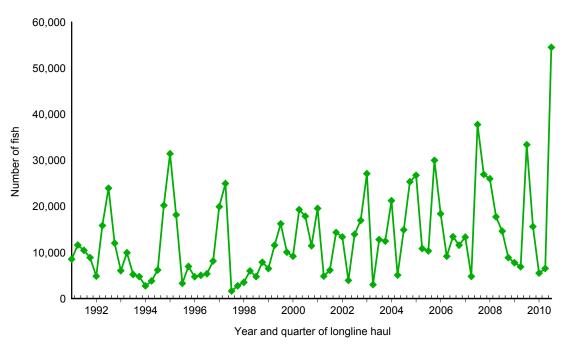


Figure 18. Quarterly catch of mahimahi by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:32:37PM]

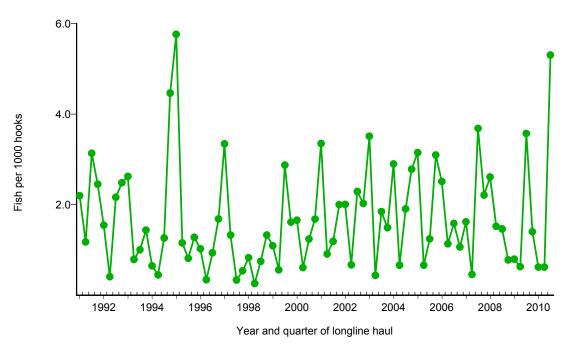


Figure 19. Quarterly CPUE of mahimahi (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:32:37PM]

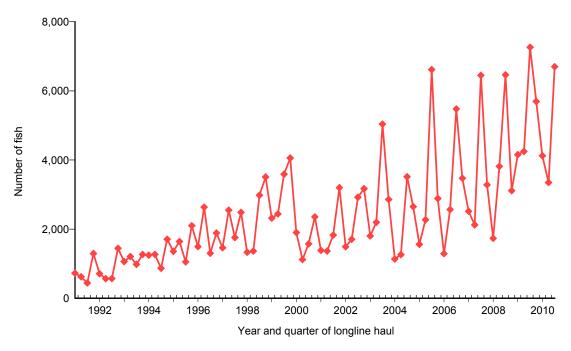


Figure 20. Quarterly catch of moonfish by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:01PM]

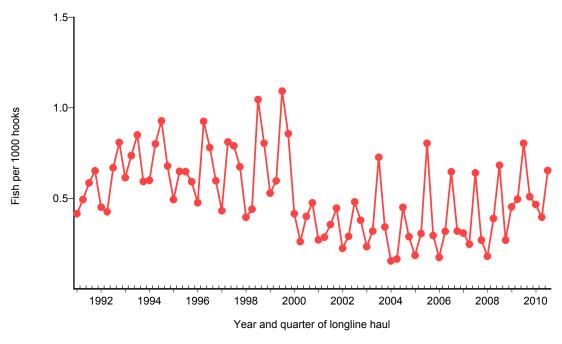


Figure 21. Quarterly CPUE of moonfish (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:01PM]

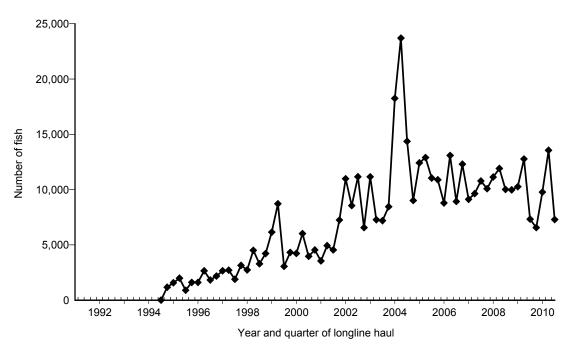


Figure 22. Quarterly catch of pomfret by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:24PM]

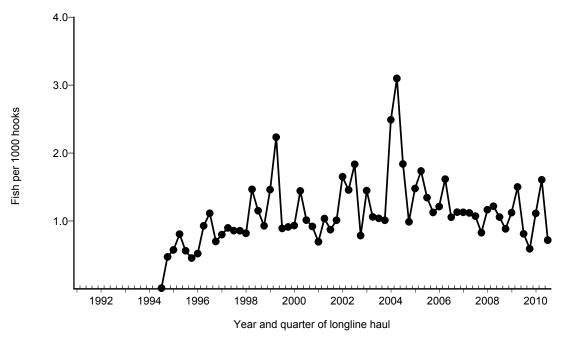


Figure 23. Quarterly CPUE of pomfret (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:24PM]

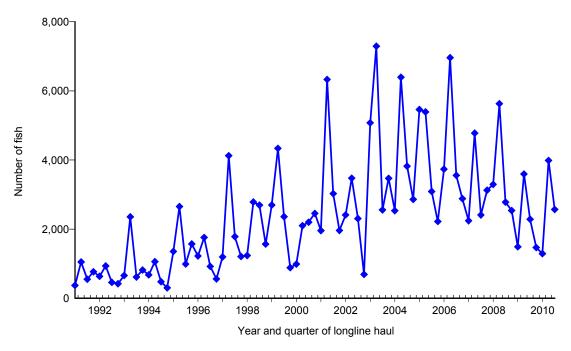


Figure 24. Quarterly catch of wahoo by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:50PM]

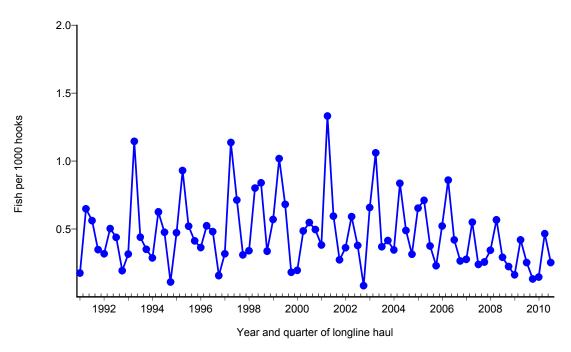


Figure 25. Quarterly CPUE of wahoo (fish per 1000 hooks) on tuna trips by longline vessels based and landing in Hawaii, 1991-2010. [PIFSC IMS, Longline Logbook Data, 12/16/2010 1:33:50PM]