

**The Hawaii and California-based Pelagic Longline Vessels  
Annual Report for 1 January - 31 December, 2018<sup>1</sup>**

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This annual report for the period 1 January - 31 December, 2018, contains summary data of fishing effort and catch statistics as reported on longline log sheets for Hawaii and California-based pelagic longline vessels. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS\_RPT\_STATS\_HC20190211\_RFMO, representing preliminary data received as of 11 February 2019. Catch and effort statistics are based on date of longline haul. When a statistic (number of vessels, trips) involves dates of haul in two 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 four quarters is not the total for the year, etc.).

The following tables show fishery statistics for the stated time period, area, and set type, and includes effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, the table includes the number of fish caught, kept, and released, and the catch per unit effort (CPUE), measured as the number of fish caught per 1,000 hooks.

Additional figures show catch numbers, effort, and spatial distribution for important species for the stated time period, area, and set type, for years 2000-2018.

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<sup>1</sup>PIFSC Data Report DR-xx-xxx. Issued dd mmm yyyy

**Table 1.** Hawaii and California-based pelagic longline vessels annual statistics for all fishing areas and all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types All sets  
Fishing Area All Areas

Number of vessels active	144
Number of trips (partial or completed)	1,517
Number of sets	19,578
Number of hooks set	53,890,711

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	7,036	6,904	132	0.13
Striped marlin	13,916	13,706	210	0.26
Shortbill spearfish	13,967	13,721	246	0.26
Swordfish	11,611	10,906	705	0.22
Other billfishes	447	439	8	0.01
<b>Total</b>	<b>46,977</b>	<b>45,676</b>	<b>1,301</b>	<b>0.87</b>
<b>Shark PMUS</b>				
Blue shark	87,512	0	87,512	1.62
Mako sharks	4,837	659	4,178	0.09
Thresher sharks	4,940	22	4,918	0.09
Oceanic whitetip shark	366	0	366	0.01
Silky shark	230	0	230	0.00
Other Sharks	339	0	339	0.01
<b>Total</b>	<b>98,224</b>	<b>681</b>	<b>97,543</b>	<b>1.82</b>
<b>Tuna PMUS</b>				
Albacore	2,971	2,946	25	0.06
Bigeye tuna	196,743	192,308	4,435	3.65
Yellowfin tuna	56,668	55,703	965	1.05
Bluefin tuna	7	5	2	0.00
Skipjack tuna	15,973	15,600	373	0.30
Other tunas	0	0	0	0.00
<b>Total</b>	<b>272,362</b>	<b>266,562</b>	<b>5,800</b>	<b>5.05</b>
<b>Other PMUS</b>				
Mahimahi	43,065	42,524	541	0.80
Moonfish	30,917	30,548	369	0.57
Wahoo	29,066	28,907	159	0.54
Oilfish	14,936	12,783	2,153	0.28
Pomfret	52,724	52,315	409	0.98
<b>Total</b>	<b>170,708</b>	<b>167,077</b>	<b>3,631</b>	<b>3.17</b>
<b>Total PMUS</b>	<b>588,271</b>	<b>479,996</b>	<b>108,275</b>	<b>10.92</b>
<b>Total Non-PMUS</b>	<b>4,274</b>	<b>569</b>	<b>3,705</b>	<b>0.08</b>
<b>Total All Species</b>	<b>592,545</b>	<b>480,565</b>	<b>111,980</b>	<b>11.00</b>

**Table 2.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types All sets  
Fishing Area Inside U.S. EEZ

Number of vessels active	131
Number of trips (partial or completed)	817
Number of sets	5,426
Number of hooks set	14,755,360

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	2,790	2,696	94	0.19
Striped marlin	4,756	4,745	11	0.32
Shortbill spearfish	4,813	4,801	12	0.33
Swordfish	1,613	1,535	78	0.11
Other billfishes	148	147	1	0.01
<b>Total</b>	<b>14,120</b>	<b>13,924</b>	<b>196</b>	<b>0.96</b>
<b>Shark PMUS</b>				
Blue shark	23,319	0	23,319	1.58
Mako sharks	1,103	185	918	0.07
Thresher sharks	1,090	2	1,088	0.07
Oceanic whitetip shark	153	0	153	0.01
Silky shark	120	0	120	0.01
Other Sharks	41	0	41	0.00
<b>Total</b>	<b>25,826</b>	<b>187</b>	<b>25,639</b>	<b>1.75</b>
<b>Tuna PMUS</b>				
Albacore	292	291	1	0.02
Bigeye tuna	44,126	43,306	820	2.99
Yellowfin tuna	19,298	18,900	398	1.31
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,198	5,110	88	0.35
Other tunas	0	0	0	0.00
<b>Total</b>	<b>68,914</b>	<b>67,607</b>	<b>1,307</b>	<b>4.67</b>
<b>Other PMUS</b>				
Mahimahi	10,036	9,972	64	0.68
Moonfish	2,583	2,578	5	0.18
Wahoo	7,029	6,985	44	0.48
Oilfish	4,439	3,901	538	0.30
Pomfret	12,536	12,467	69	0.85
<b>Total</b>	<b>36,623</b>	<b>35,903</b>	<b>720</b>	<b>2.48</b>
<b>Total PMUS</b>	<b>145,483</b>	<b>117,621</b>	<b>27,862</b>	<b>9.86</b>
<b>Total Non-PMUS</b>	<b>642</b>	<b>450</b>	<b>192</b>	<b>0.04</b>
<b>Total All Species</b>	<b>146,125</b>	<b>118,071</b>	<b>28,054</b>	<b>9.90</b>

**Table 3.** Hawaii and California-based pelagic longline vessels annual statistics for fishing outside the U.S. EEZ and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types All sets  
Fishing Area Outside U.S. EEZ

Number of vessels active	142
Number of trips (partial or completed)	1,308
Number of sets	14,152
Number of hooks set	39,135,351

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	4,246	4,208	38	0.11
Striped marlin	9,160	8,961	199	0.23
Shortbill spearfish	9,154	8,920	234	0.23
Swordfish	9,998	9,371	627	0.26
Other billfishes	299	292	7	0.01
<b>Total</b>	<b>32,857</b>	<b>31,752</b>	<b>1,105</b>	<b>0.84</b>
<b>Shark PMUS</b>				
Blue shark	64,193	0	64,193	1.64
Mako sharks	3,734	474	3,260	0.10
Thresher sharks	3,850	20	3,830	0.10
Oceanic whitetip shark	213	0	213	0.01
Silky shark	110	0	110	0.00
Other Sharks	298	0	298	0.01
<b>Total</b>	<b>72,398</b>	<b>494</b>	<b>71,904</b>	<b>1.85</b>
<b>Tuna PMUS</b>				
Albacore	2,679	2,655	24	0.07
Bigeye tuna	152,617	149,002	3,615	3.90
Yellowfin tuna	37,370	36,803	567	0.95
Bluefin tuna	7	5	2	0.00
Skipjack tuna	10,775	10,490	285	0.28
Other tunas	0	0	0	0.00
<b>Total</b>	<b>203,448</b>	<b>198,955</b>	<b>4,493</b>	<b>5.20</b>
<b>Other PMUS</b>				
Mahimahi	33,029	32,552	477	0.84
Moonfish	28,334	27,970	364	0.72
Wahoo	22,037	21,922	115	0.56
Oilfish	10,497	8,882	1,615	0.27
Pomfret	40,188	39,848	340	1.03
<b>Total</b>	<b>134,085</b>	<b>131,174</b>	<b>2,911</b>	<b>3.43</b>
<b>Total PMUS</b>	<b>442,788</b>	<b>362,375</b>	<b>80,413</b>	<b>11.31</b>
<b>Total Non-PMUS</b>	<b>3,632</b>	<b>119</b>	<b>3,513</b>	<b>0.09</b>
<b>Total All Species</b>	<b>446,420</b>	<b>362,494</b>	<b>83,926</b>	<b>11.41</b>

**Table 4.** Hawaii and California-based pelagic longline vessels annual statistics for all fishing areas and with shallow set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage					Number of vessels active		11
Time Period	1 January - 31 December, 2018				Number of trips (partial or completed)		28
Set Types	Shallow sets				Number of sets		398
Fishing Area	All Areas				Number of hooks set		463,609

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	5	2	3	0.01
Striped marlin	62	41	21	0.13
Shortbill spearfish	44	39	5	0.09
Swordfish	5,894	5,428	466	12.71
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>6,005</b>	<b>5,510</b>	<b>495</b>	<b>12.95</b>
<b>Shark PMUS</b>				
Blue shark	2,538	0	2,538	5.47
Mako sharks	346	63	283	0.75
Thresher sharks	25	1	24	0.05
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	1	0	1	0.00
<b>Total</b>	<b>2,910</b>	<b>64</b>	<b>2,846</b>	<b>6.28</b>
<b>Tuna PMUS</b>				
Albacore	136	135	1	0.29
Bigeye tuna	1,206	1,136	70	2.60
Yellowfin tuna	743	726	17	1.60
Bluefin tuna	2	2	0	0.00
Skipjack tuna	16	16	0	0.03
Other tunas	0	0	0	0.00
<b>Total</b>	<b>2,103</b>	<b>2,015</b>	<b>88</b>	<b>4.54</b>
<b>Other PMUS</b>				
Mahimahi	638	625	13	1.38
Moonfish	163	148	15	0.35
Wahoo	26	24	2	0.06
Oilfish	168	65	103	0.36
Pomfret	24	17	7	0.05
<b>Total</b>	<b>1,019</b>	<b>879</b>	<b>140</b>	<b>2.20</b>
<b>Total PMUS</b>	<b>12,037</b>	<b>8,468</b>	<b>3,569</b>	<b>25.96</b>
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>12,037</b>	<b>8,468</b>	<b>3,569</b>	<b>25.96</b>

**Table 5.** Hawaii and California-based pelagic longline vessels annual statistics for all fishing areas and with deep set type, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Deep sets  
Fishing Area All Areas

Number of vessels active	144
Number of trips (partial or completed)	1,489
Number of sets	19,180
Number of hooks set	53,427,102

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	7,031	6,902	129	0.13
Striped marlin	13,854	13,665	189	0.26
Shortbill spearfish	13,923	13,682	241	0.26
Swordfish	5,717	5,478	239	0.11
Other billfishes	447	439	8	0.01
<b>Total</b>	<b>40,972</b>	<b>40,166</b>	<b>806</b>	<b>0.77</b>
<b>Shark PMUS</b>				
Blue shark	84,974	0	84,974	1.59
Mako sharks	4,491	596	3,895	0.08
Thresher sharks	4,915	21	4,894	0.09
Oceanic whitetip shark	366	0	366	0.01
Silky shark	230	0	230	0.00
Other Sharks	338	0	338	0.01
<b>Total</b>	<b>95,314</b>	<b>617</b>	<b>94,697</b>	<b>1.78</b>
<b>Tuna PMUS</b>				
Albacore	2,835	2,811	24	0.05
Bigeye tuna	195,537	191,172	4,365	3.66
Yellowfin tuna	55,925	54,977	948	1.05
Bluefin tuna	5	3	2	0.00
Skipjack tuna	15,957	15,584	373	0.30
Other tunas	0	0	0	0.00
<b>Total</b>	<b>270,259</b>	<b>264,547</b>	<b>5,712</b>	<b>5.06</b>
<b>Other PMUS</b>				
Mahimahi	42,427	41,899	528	0.79
Moonfish	30,754	30,400	354	0.58
Wahoo	29,040	28,883	157	0.54
Oilfish	14,768	12,718	2,050	0.28
Pomfret	52,700	52,298	402	0.99
<b>Total</b>	<b>169,689</b>	<b>166,198</b>	<b>3,491</b>	<b>3.18</b>
<b>Total PMUS</b>	<b>576,234</b>	<b>471,528</b>	<b>104,706</b>	<b>10.79</b>
<b>Total Non-PMUS</b>	<b>4,274</b>	<b>569</b>	<b>3,705</b>	<b>0.08</b>
<b>Total All Species</b>	<b>580,508</b>	<b>472,097</b>	<b>108,411</b>	<b>10.87</b>

**Table 6.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the Main Hawaiian Islands EEZ and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set).  
Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types All sets  
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	131
Number of trips (partial or completed)	773
Number of sets	4,886
Number of hooks set	13,310,920

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	2,526	2,432	94	0.19
Striped marlin	3,951	3,940	11	0.30
Shortbill spearfish	4,252	4,240	12	0.32
Swordfish	1,364	1,289	75	0.10
Other billfishes	127	126	1	0.01
<b>Total</b>	<b>12,220</b>	<b>12,027</b>	<b>193</b>	<b>0.92</b>
<b>Shark PMUS</b>				
Blue shark	20,686	0	20,686	1.55
Mako sharks	945	182	763	0.07
Thresher sharks	1,033	2	1,031	0.08
Oceanic whitetip shark	98	0	98	0.01
Silky shark	87	0	87	0.01
Other Sharks	32	0	32	0.00
<b>Total</b>	<b>22,881</b>	<b>184</b>	<b>22,697</b>	<b>1.72</b>
<b>Tuna PMUS</b>				
Albacore	228	227	1	0.02
Bigeye tuna	39,762	38,980	782	2.99
Yellowfin tuna	15,425	15,032	393	1.16
Bluefin tuna	0	0	0	0.00
Skipjack tuna	4,814	4,726	88	0.36
Other tunas	0	0	0	0.00
<b>Total</b>	<b>60,229</b>	<b>58,965</b>	<b>1,264</b>	<b>4.52</b>
<b>Other PMUS</b>				
Mahimahi	9,595	9,531	64	0.72
Moonfish	2,282	2,277	5	0.17
Wahoo	6,297	6,253	44	0.47
Oilfish	3,950	3,422	528	0.30
Pomfret	11,603	11,535	68	0.87
<b>Total</b>	<b>33,727</b>	<b>33,018</b>	<b>709</b>	<b>2.53</b>
<b>Total PMUS</b>	<b>129,057</b>	<b>104,194</b>	<b>24,863</b>	<b>9.70</b>
<b>Total Non-PMUS</b>	<b>641</b>	<b>449</b>	<b>192</b>	<b>0.05</b>
<b>Total All Species</b>	<b>129,698</b>	<b>104,643</b>	<b>25,055</b>	<b>9.74</b>

**Table 7.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with deep sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Deep sets  
Fishing Area Inside U.S. EEZ

Number of vessels active	131
Number of trips (partial or completed)	814
Number of sets	5,421
Number of hooks set	14,749,538

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	2,789	2,695	94	0.19
Striped marlin	4,755	4,744	11	0.32
Shortbill spearfish	4,813	4,801	12	0.33
Swordfish	1,555	1,485	70	0.11
Other billfishes	148	147	1	0.01
<b>Total</b>	<b>14,060</b>	<b>13,872</b>	<b>188</b>	<b>0.95</b>
<b>Shark PMUS</b>				
Blue shark	23,301	0	23,301	1.58
Mako sharks	1,099	182	917	0.07
Thresher sharks	1,090	2	1,088	0.07
Oceanic whitetip shark	153	0	153	0.01
Silky shark	120	0	120	0.01
Other Sharks	41	0	41	0.00
<b>Total</b>	<b>25,804</b>	<b>184</b>	<b>25,620</b>	<b>1.75</b>
<b>Tuna PMUS</b>				
Albacore	292	291	1	0.02
Bigeye tuna	44,114	43,294	820	2.99
Yellowfin tuna	19,287	18,889	398	1.31
Bluefin tuna	0	0	0	0.00
Skipjack tuna	5,198	5,110	88	0.35
Other tunas	0	0	0	0.00
<b>Total</b>	<b>68,891</b>	<b>67,584</b>	<b>1,307</b>	<b>4.67</b>
<b>Other PMUS</b>				
Mahimahi	10,024	9,960	64	0.68
Moonfish	2,583	2,578	5	0.18
Wahoo	7,028	6,984	44	0.48
Oilfish	4,436	3,898	538	0.30
Pomfret	12,536	12,467	69	0.85
<b>Total</b>	<b>36,607</b>	<b>35,887</b>	<b>720</b>	<b>2.48</b>
<b>Total PMUS</b>	<b>145,362</b>	<b>117,527</b>	<b>27,835</b>	<b>9.86</b>
<b>Total Non-PMUS</b>	<b>642</b>	<b>450</b>	<b>192</b>	<b>0.04</b>
<b>Total All Species</b>	<b>146,004</b>	<b>117,977</b>	<b>28,027</b>	<b>9.90</b>



**Table 8.** Hawaii and California-based pelagic longline vessels annual statistics for fishing outside the U.S. EEZ and with deep sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage					Number of vessels active		142
Time Period	1 January - 31 December, 2018				Number of trips (partial or completed)		1,280
Set Types	Deep sets				Number of sets		13,759
Fishing Area	Outside U.S. EEZ				Number of hooks set		38,677,564

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	4,242	4,207	35	0.11
Striped marlin	9,099	8,921	178	0.24
Shortbill spearfish	9,110	8,881	229	0.24
Swordfish	4,162	3,993	169	0.11
Other billfishes	299	292	7	0.01
<b>Total</b>	<b>26,912</b>	<b>26,294</b>	<b>618</b>	<b>0.70</b>
<b>Shark PMUS</b>				
Blue shark	61,673	0	61,673	1.59
Mako sharks	3,392	414	2,978	0.09
Thresher sharks	3,825	19	3,806	0.10
Oceanic whitetip shark	213	0	213	0.01
Silky shark	110	0	110	0.00
Other Sharks	297	0	297	0.01
<b>Total</b>	<b>69,510</b>	<b>433</b>	<b>69,077</b>	<b>1.80</b>
<b>Tuna PMUS</b>				
Albacore	2,543	2,520	23	0.07
Bigeye tuna	151,423	147,878	3,545	3.92
Yellowfin tuna	36,638	36,088	550	0.95
Bluefin tuna	5	3	2	0.00
Skipjack tuna	10,759	10,474	285	0.28
Other tunas	0	0	0	0.00
<b>Total</b>	<b>201,368</b>	<b>196,963</b>	<b>4,405</b>	<b>5.21</b>
<b>Other PMUS</b>				
Mahimahi	32,403	31,939	464	0.84
Moonfish	28,171	27,822	349	0.73
Wahoo	22,012	21,899	113	0.57
Oilfish	10,332	8,820	1,512	0.27
Pomfret	40,164	39,831	333	1.04
<b>Total</b>	<b>133,082</b>	<b>130,311</b>	<b>2,771</b>	<b>3.44</b>
<b>Total PMUS</b>	<b>430,872</b>	<b>354,001</b>	<b>76,871</b>	<b>11.14</b>
<b>Total Non-PMUS</b>	<b>3,632</b>	<b>119</b>	<b>3,513</b>	<b>0.09</b>
<b>Total All Species</b>	<b>434,504</b>	<b>354,120</b>	<b>80,384</b>	<b>11.23</b>

**Table 9.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the Main Hawaiian Islands EEZ and with deep sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Deep sets  
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	131
Number of trips (partial or completed)	770
Number of sets	4,881
Number of hooks set	13,305,098

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	2,525	2,431	94	0.19
Striped marlin	3,950	3,939	11	0.30
Shortbill spearfish	4,252	4,240	12	0.32
Swordfish	1,306	1,239	67	0.10
Other billfishes	127	126	1	0.01
<b>Total</b>	<b>12,160</b>	<b>11,975</b>	<b>185</b>	<b>0.91</b>
<b>Shark PMUS</b>				
Blue shark	20,668	0	20,668	1.55
Mako sharks	941	179	762	0.07
Thresher sharks	1,033	2	1,031	0.08
Oceanic whitetip shark	98	0	98	0.01
Silky shark	87	0	87	0.01
Other Sharks	32	0	32	0.00
<b>Total</b>	<b>22,859</b>	<b>181</b>	<b>22,678</b>	<b>1.72</b>
<b>Tuna PMUS</b>				
Albacore	228	227	1	0.02
Bigeye tuna	39,750	38,968	782	2.99
Yellowfin tuna	15,414	15,021	393	1.16
Bluefin tuna	0	0	0	0.00
Skipjack tuna	4,814	4,726	88	0.36
Other tunas	0	0	0	0.00
<b>Total</b>	<b>60,206</b>	<b>58,942</b>	<b>1,264</b>	<b>4.53</b>
<b>Other PMUS</b>				
Mahimahi	9,583	9,519	64	0.72
Moonfish	2,282	2,277	5	0.17
Wahoo	6,296	6,252	44	0.47
Oilfish	3,947	3,419	528	0.30
Pomfret	11,603	11,535	68	0.87
<b>Total</b>	<b>33,711</b>	<b>33,002</b>	<b>709</b>	<b>2.53</b>
<b>Total PMUS</b>	<b>128,936</b>	<b>104,100</b>	<b>24,836</b>	<b>9.69</b>
<b>Total Non-PMUS</b>	<b>641</b>	<b>449</b>	<b>192</b>	<b>0.05</b>
<b>Total All Species</b>	<b>129,577</b>	<b>104,549</b>	<b>25,028</b>	<b>9.74</b>

**Table 10.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the U.S. EEZ (Main Hawaiian Islands, Northwest Hawaiian Islands, or the Pacific Remote Islands, and with shallow sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Shallow sets  
Fishing Area Inside U.S. EEZ

Number of vessels active	3
Number of trips (partial or completed)	3
Number of sets	5
Number of hooks set	5,822

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	1	1	0	0.17
Striped marlin	1	1	0	0.17
Shortbill spearfish	0	0	0	0.00
Swordfish	58	50	8	9.96
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>60</b>	<b>52</b>	<b>8</b>	<b>10.31</b>
<b>Shark PMUS</b>				
Blue shark	18	0	18	3.09
Mako sharks	4	3	1	0.69
Thresher sharks	0	0	0	0.00
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	0	0	0	0.00
<b>Total</b>	<b>22</b>	<b>3</b>	<b>19</b>	<b>3.78</b>
<b>Tuna PMUS</b>				
Albacore	0	0	0	0.00
Bigeye tuna	12	12	0	2.06
Yellowfin tuna	11	11	0	1.89
Bluefin tuna	0	0	0	0.00
Skipjack tuna	0	0	0	0.00
Other tunas	0	0	0	0.00
<b>Total</b>	<b>23</b>	<b>23</b>	<b>0</b>	<b>3.95</b>
<b>Other PMUS</b>				
Mahimahi	12	12	0	2.06
Moonfish	0	0	0	0.00
Wahoo	1	1	0	0.17
Oilfish	3	3	0	0.52
Pomfret	0	0	0	0.00
<b>Total</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>2.75</b>
<b>Total PMUS</b>	<b>121</b>	<b>94</b>	<b>27</b>	<b>20.78</b>
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>121</b>	<b>94</b>	<b>27</b>	<b>20.78</b>

**Table 11.** Hawaii and California-based pelagic longline vessels annual statistics for fishing outside the U.S. EEZ and with shallow sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Shallow sets  
Fishing Area Outside U.S. EEZ

Number of vessels active	11
Number of trips (partial or completed)	28
Number of sets	393
Number of hooks set	457,787

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	4	1	3	0.01
Striped marlin	61	40	21	0.13
Shortbill spearfish	44	39	5	0.10
Swordfish	5,836	5,378	458	12.75
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>5,945</b>	<b>5,458</b>	<b>487</b>	<b>12.99</b>
<b>Shark PMUS</b>				
Blue shark	2,520	0	2,520	5.50
Mako sharks	342	60	282	0.75
Thresher sharks	25	1	24	0.05
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	1	0	1	0.00
<b>Total</b>	<b>2,888</b>	<b>61</b>	<b>2,827</b>	<b>6.31</b>
<b>Tuna PMUS</b>				
Albacore	136	135	1	0.30
Bigeye tuna	1,194	1,124	70	2.61
Yellowfin tuna	732	715	17	1.60
Bluefin tuna	2	2	0	0.00
Skipjack tuna	16	16	0	0.03
Other tunas	0	0	0	0.00
<b>Total</b>	<b>2,080</b>	<b>1,992</b>	<b>88</b>	<b>4.54</b>
<b>Other PMUS</b>				
Mahimahi	626	613	13	1.37
Moonfish	163	148	15	0.36
Wahoo	25	23	2	0.05
Oilfish	165	62	103	0.36
Pomfret	24	17	7	0.05
<b>Total</b>	<b>1,003</b>	<b>863</b>	<b>140</b>	<b>2.19</b>
<b>Total PMUS</b>	<b>11,916</b>	<b>8,374</b>	<b>3,542</b>	<b>26.03</b>
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>11,916</b>	<b>8,374</b>	<b>3,542</b>	<b>26.03</b>

**Table 12.** Hawaii and California-based pelagic longline vessels annual statistics for fishing within the Main Hawaiian Islands EEZ and with shallow sets, including effort (number of vessels, trips, sets, and hooks set), and for each listed species, organized by pelagic management unit species (PMUS) groups of billfish, shark, tuna, and other, along with the number of fish caught, kept, and released, and the catch per unit effort (CPUE, number per 1,000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

**Report Coverage**

Time Period 1 January - 31 December, 2018  
Set Types Shallow sets  
Fishing Area Main Hawaiian Islands EEZ

Number of vessels active	3
Number of trips (partial or completed)	3
Number of sets	5
Number of hooks set	5,822

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	1	1	0	0.17
Striped marlin	1	1	0	0.17
Shortbill spearfish	0	0	0	0.00
Swordfish	58	50	8	9.96
Other billfishes	0	0	0	0.00
<b>Total</b>	<b>60</b>	<b>52</b>	<b>8</b>	<b>10.31</b>
<b>Shark PMUS</b>				
Blue shark	18	0	18	3.09
Mako sharks	4	3	1	0.69
Thresher sharks	0	0	0	0.00
Oceanic whitetip shark	0	0	0	0.00
Silky shark	0	0	0	0.00
Other Sharks	0	0	0	0.00
<b>Total</b>	<b>22</b>	<b>3</b>	<b>19</b>	<b>3.78</b>
<b>Tuna PMUS</b>				
Albacore	0	0	0	0.00
Bigeye tuna	12	12	0	2.06
Yellowfin tuna	11	11	0	1.89
Bluefin tuna	0	0	0	0.00
Skipjack tuna	0	0	0	0.00
Other tunas	0	0	0	0.00
<b>Total</b>	<b>23</b>	<b>23</b>	<b>0</b>	<b>3.95</b>
<b>Other PMUS</b>				
Mahimahi	12	12	0	2.06
Moonfish	0	0	0	0.00
Wahoo	1	1	0	0.17
Oilfish	3	3	0	0.52
Pomfret	0	0	0	0.00
<b>Total</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>2.75</b>
<b>Total PMUS</b>	<b>121</b>	<b>94</b>	<b>27</b>	<b>20.78</b>
<b>Total Non-PMUS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total All Species</b>	<b>121</b>	<b>94</b>	<b>27</b>	<b>20.78</b>

## Active Vessels

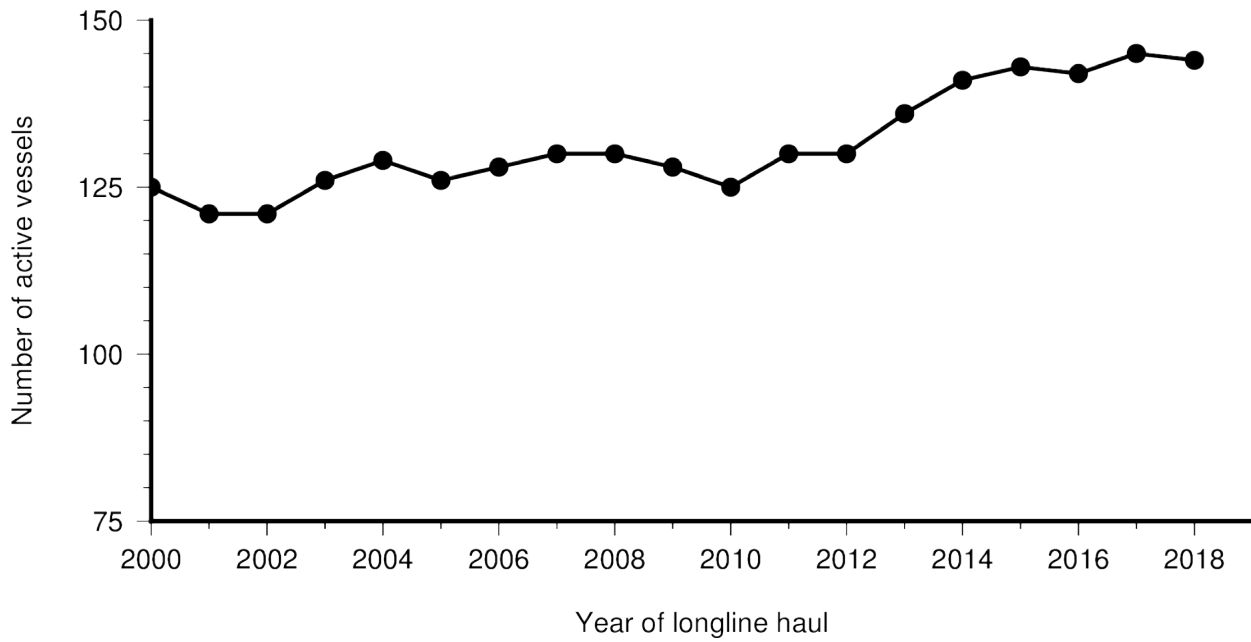


Figure 1: Number of active longline vessels based in Hawaii and California, by year, 2000-2018.

## Trips

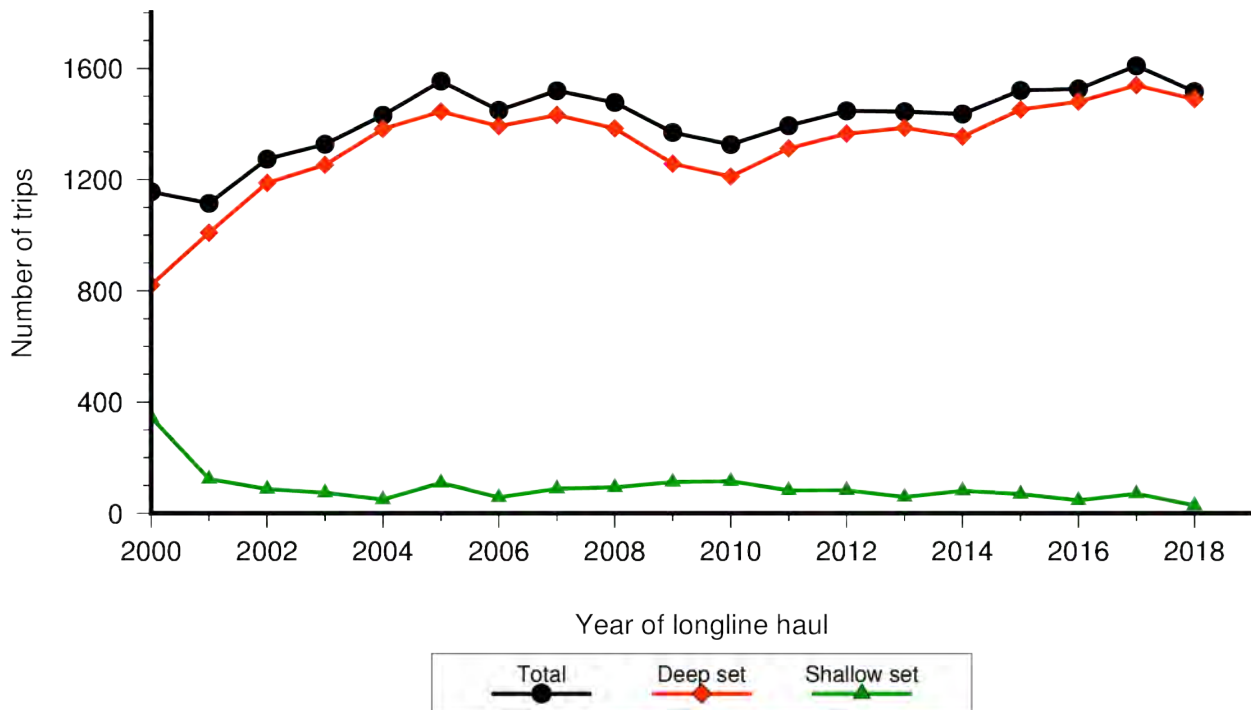


Figure 2: Number of active longline vessels based in Hawaii and California, by year, 2000-2018.

## Sets

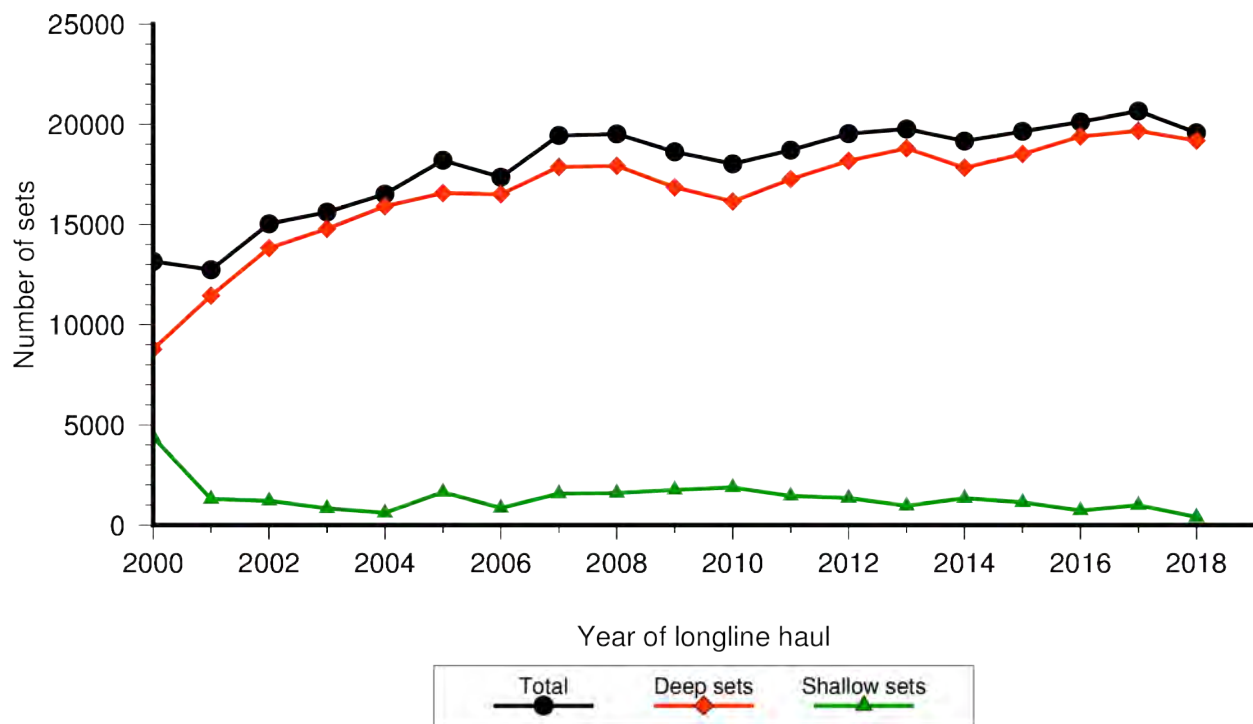


Figure 3: Number of fishing sets by vessels based in Hawaii and California, by year, 2000-2018.

## Hooks Set

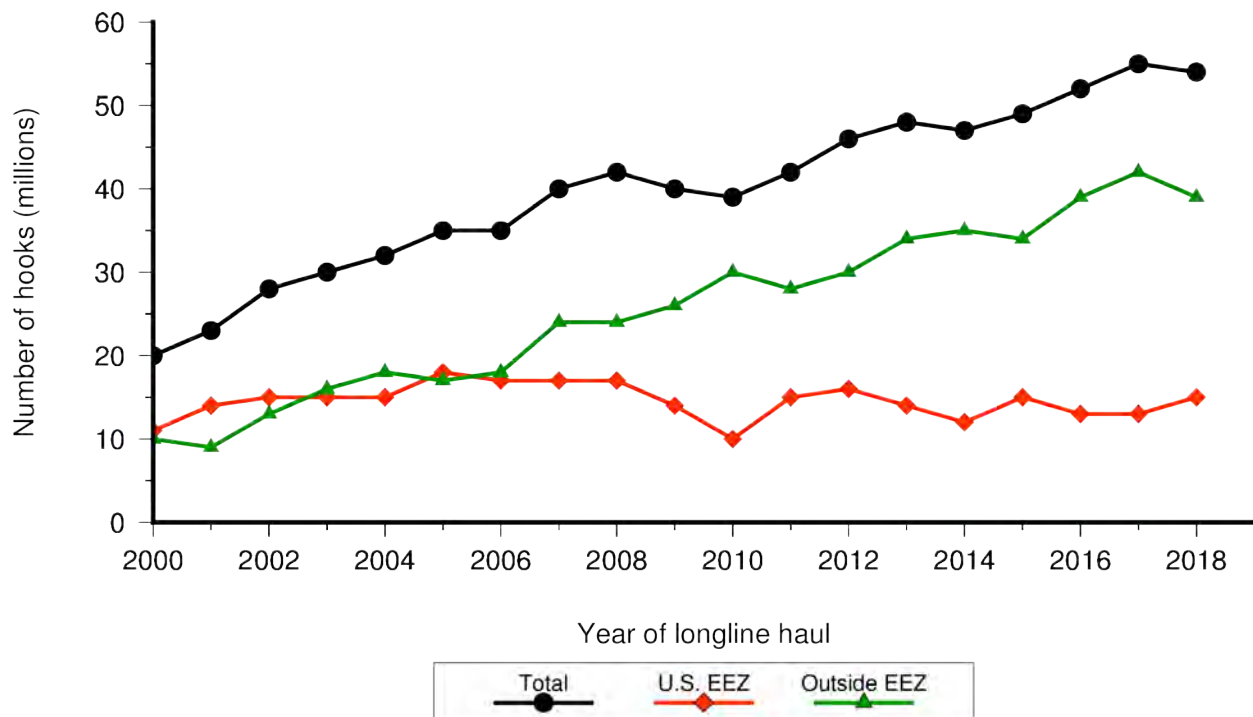


Figure 4: Number of hooks in millions, set by vessels based in Hawaii and California, by year, 2000-2018.

## Tuna Catch

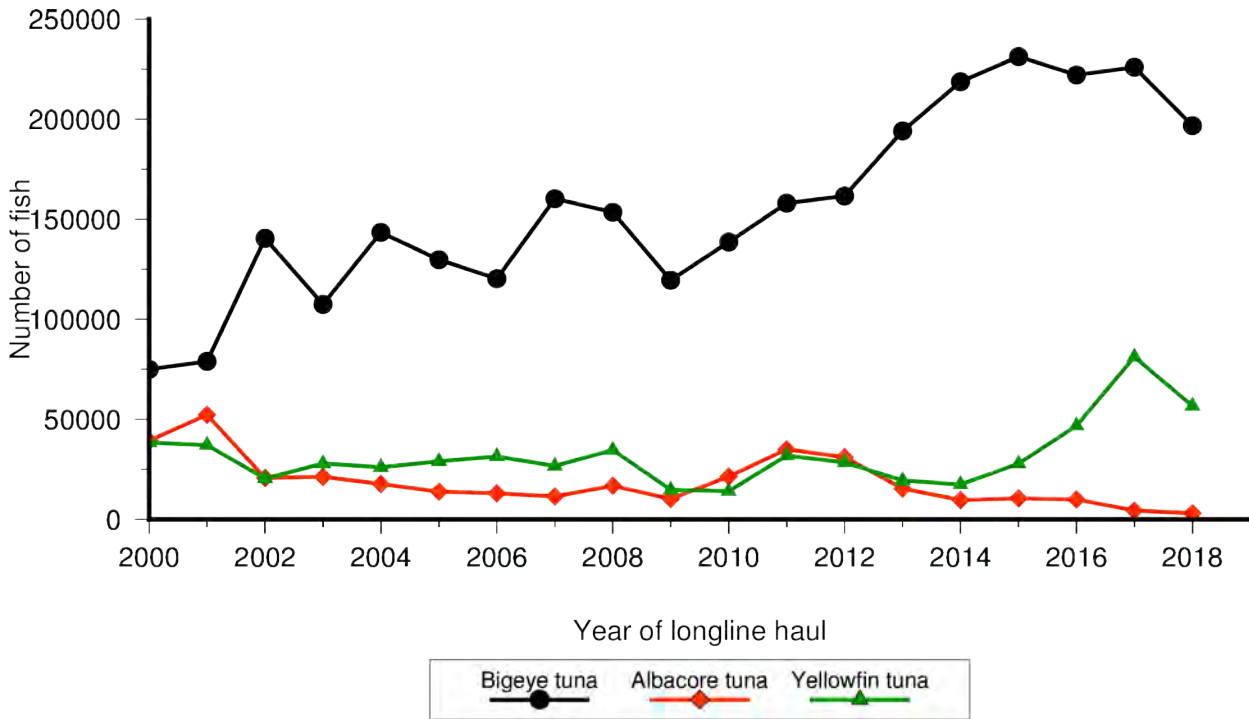


Figure 5: Annual catch (kept + released) of albacore tuna, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2018.

## Billfish Catch

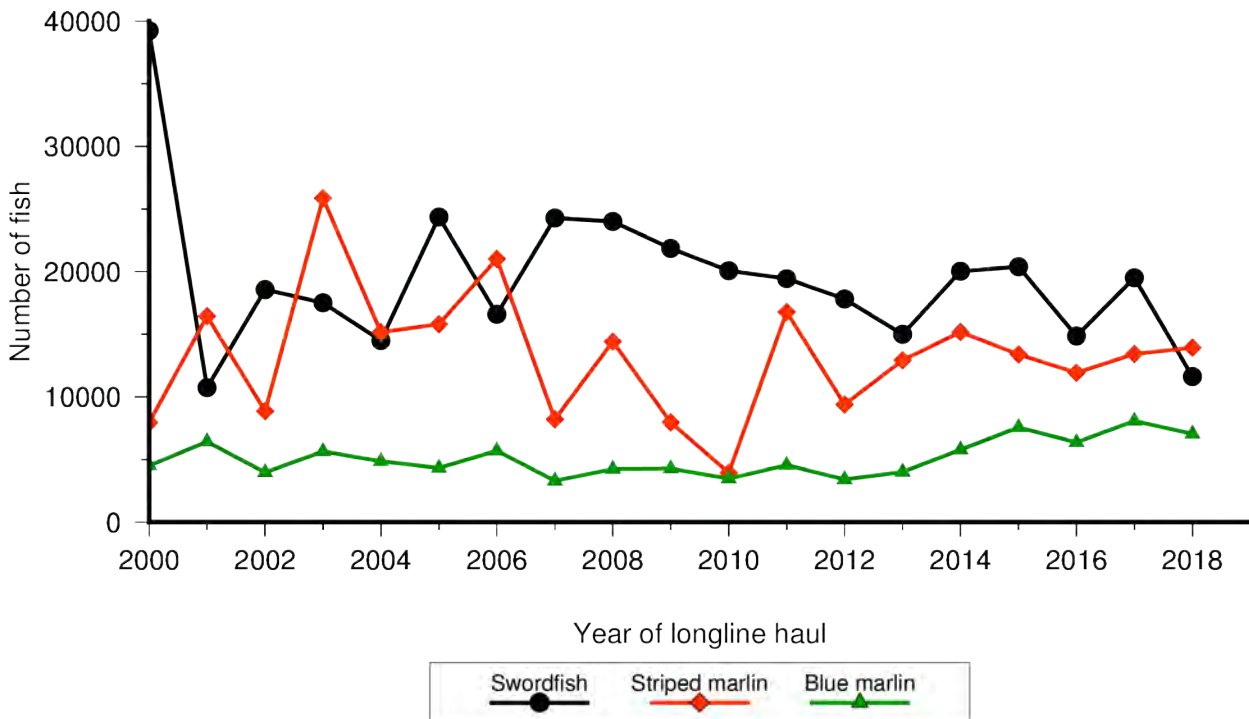


Figure 6: Annual catch (kept + released) of swordfish, striped marlin, and blue marlin by longline vessels based in Hawaii and California, by year, 2000-2018.



## Shark Catch

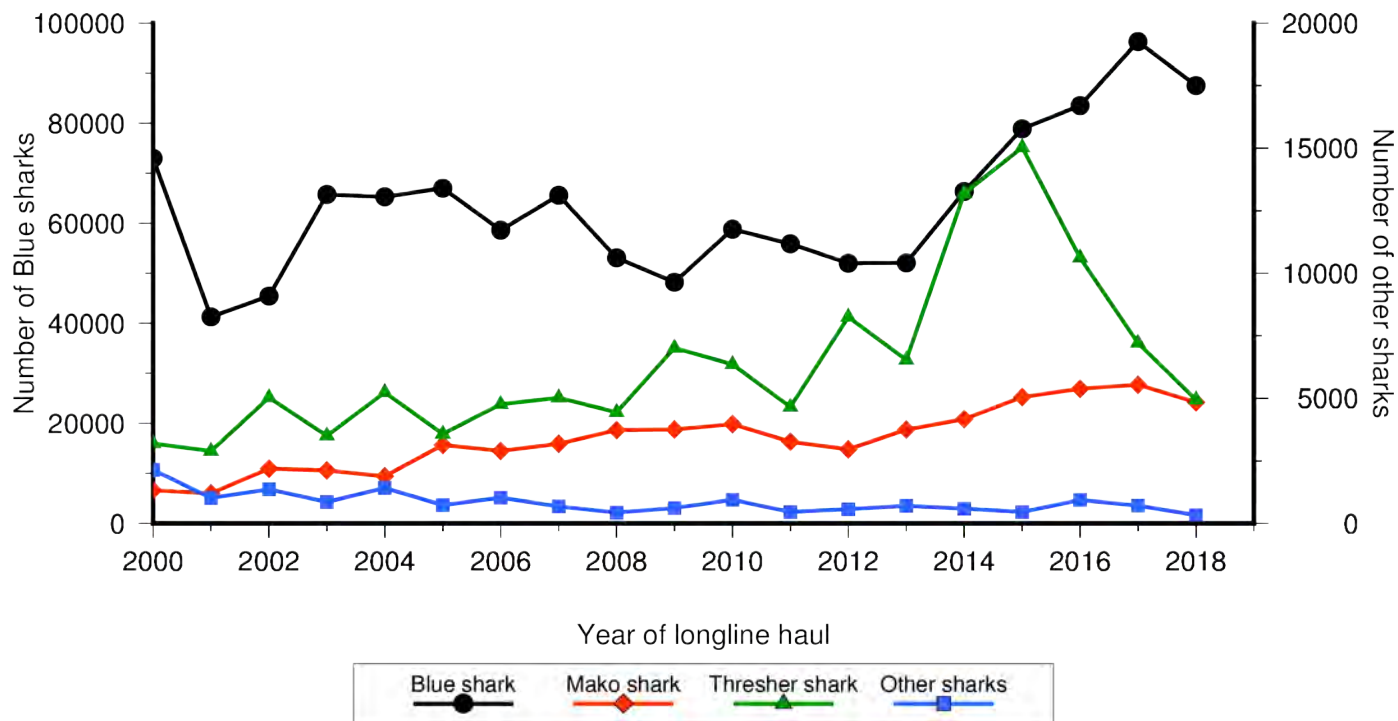


Figure 7: Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, by year, 2000-2018.

## Other PMUS Catch

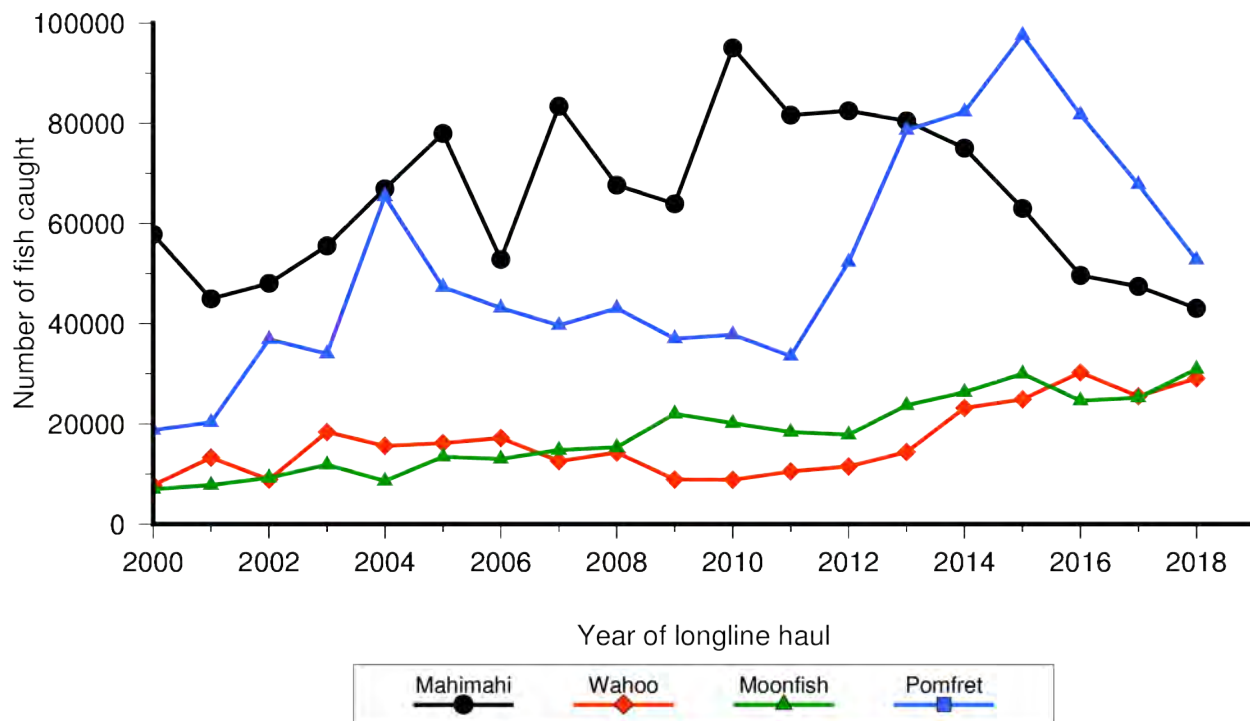


Figure 8: Annual catch (kept + released) of mahimahi, wahoo, moonfish, and pomfret by longline vessels based in Hawaii and California, by year, 2000-2018.

## Sets

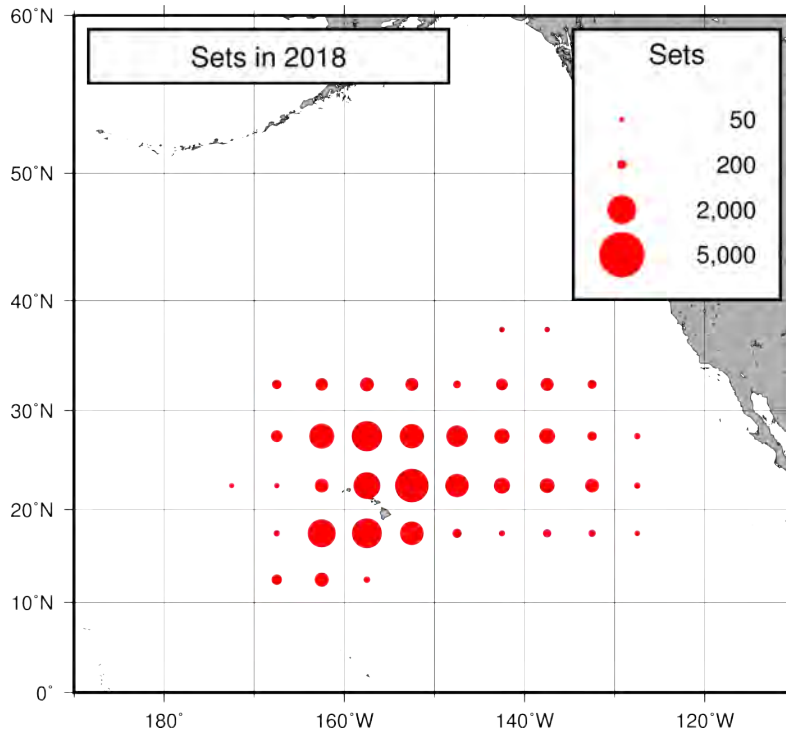


Figure 9: Spatial distribution of the total number of sets by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

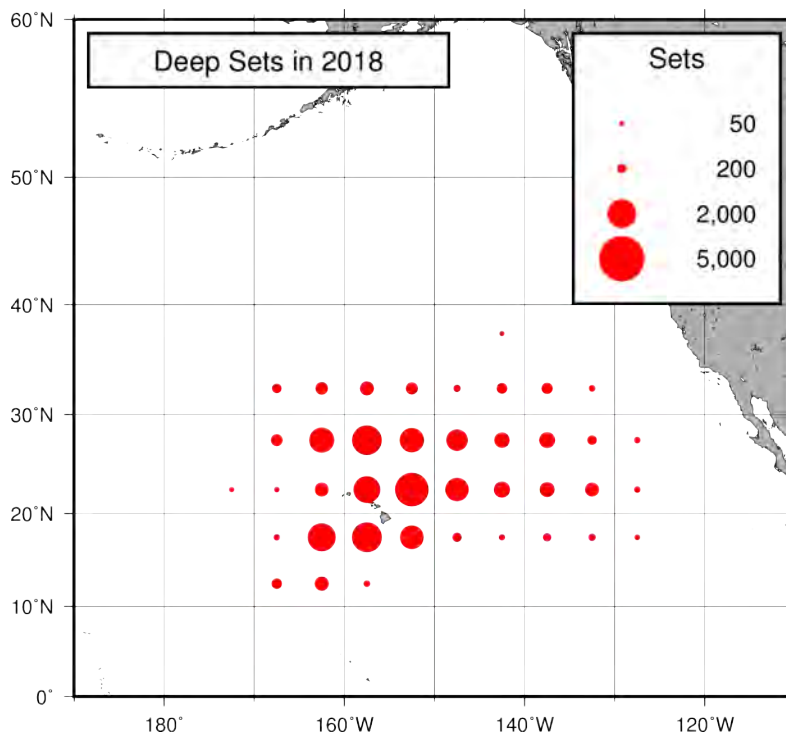


Figure 10: Spatial distribution of the number of deep-set sets by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

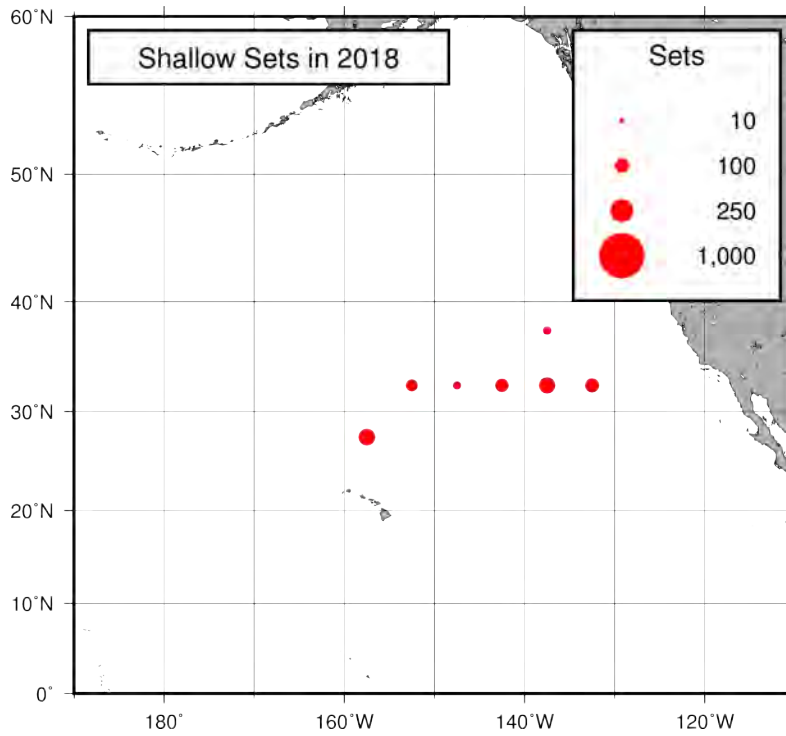


Figure 11: Spatial distribution of the number of shallow-set sets by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

## Total Effort

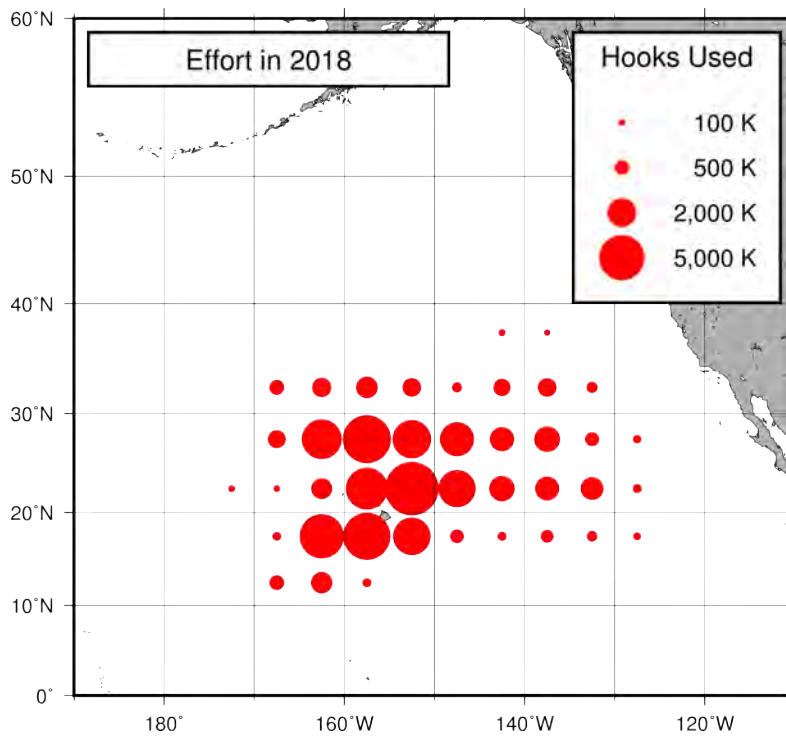


Figure 12: Spatial distribution of the total number of hooks set by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

## Deep Effort

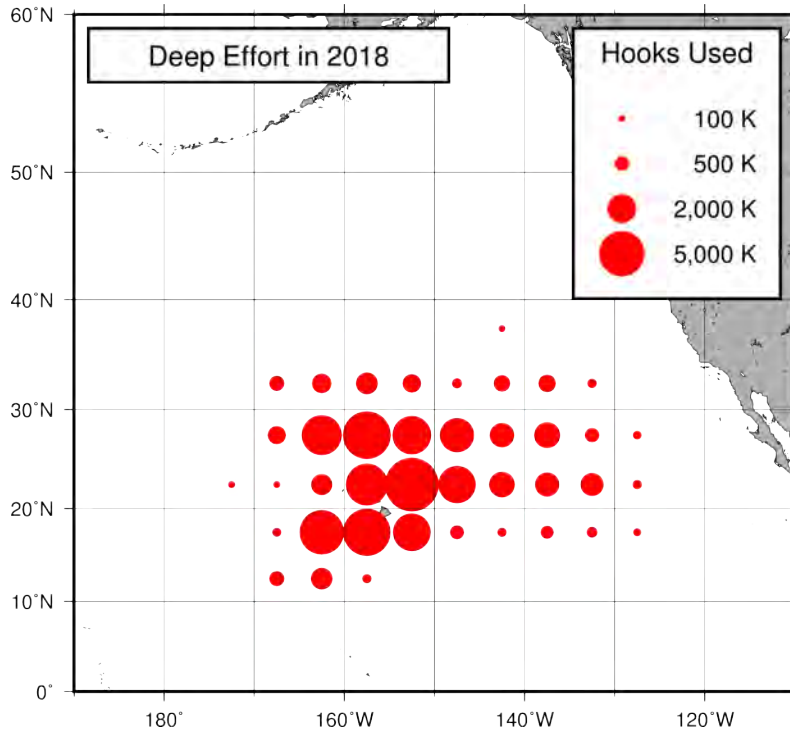


Figure 13: Spatial distribution of the number of deep-set hooks set by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

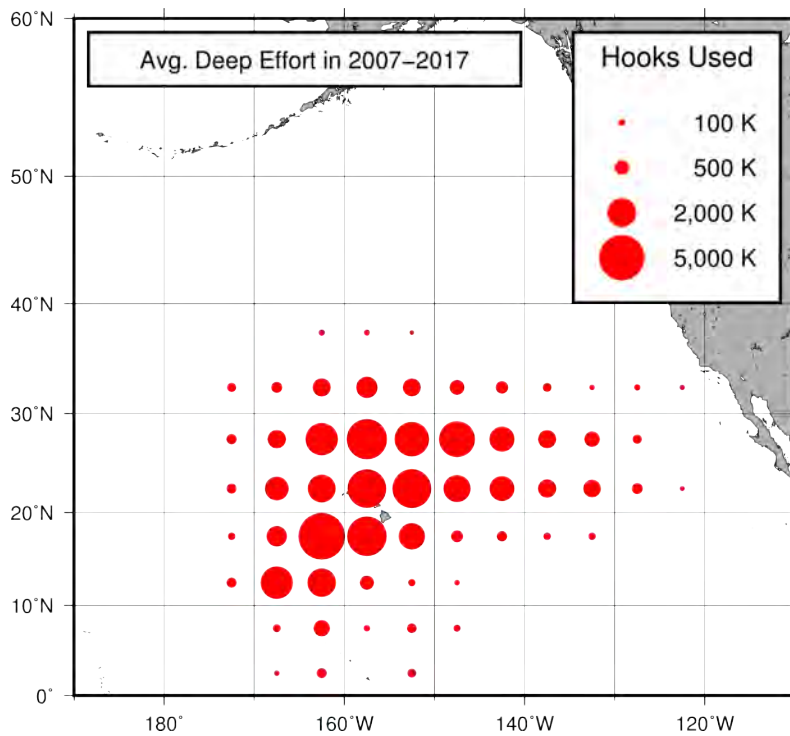


Figure 14: Spatial distribution of the average number of deep-set hooks set by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017 .

## Shallow Effort

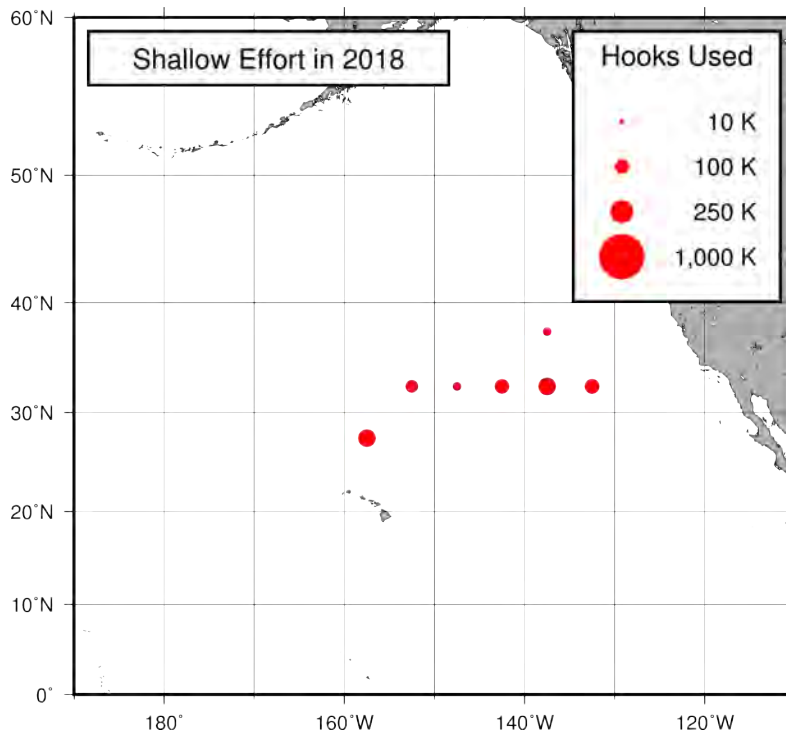


Figure 15: Spatial distribution of the number of shallow-set hooks set by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

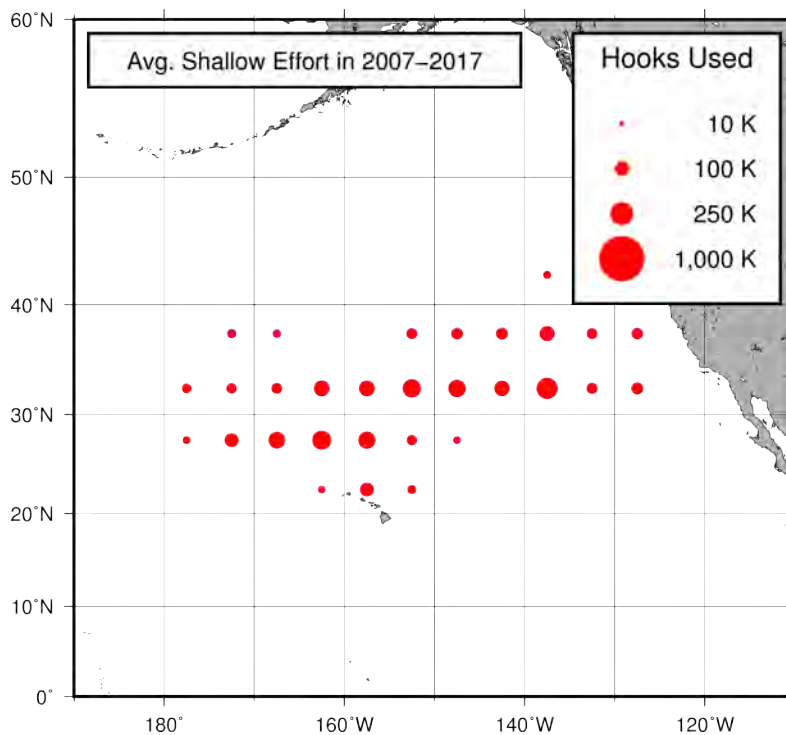


Figure 16: Spatial distribution of the average number of shallow-set hooks set by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017 .

## Bigeye Catch

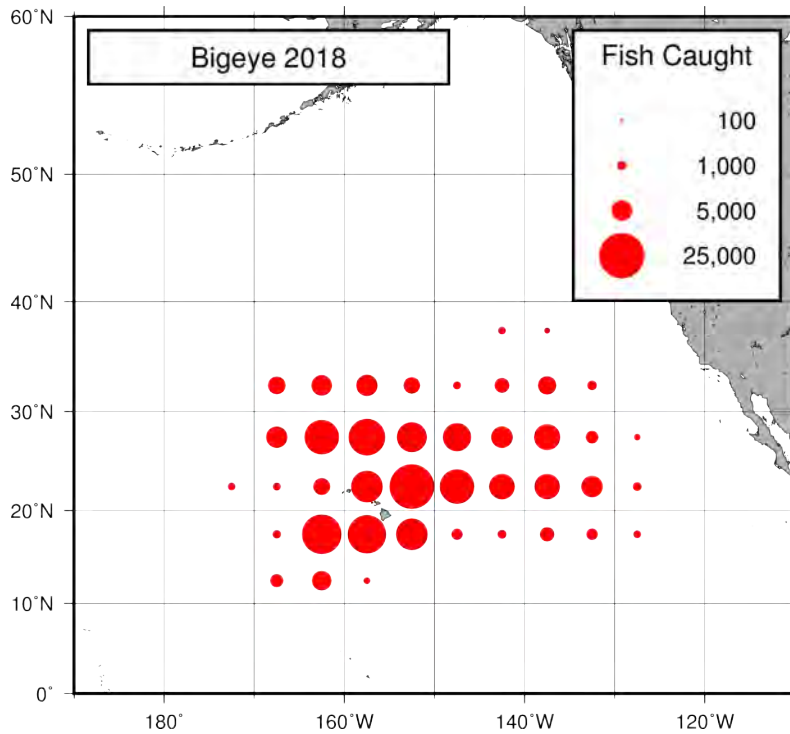


Figure 17: Spatial distribution of the total number of bigeye tuna caught by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

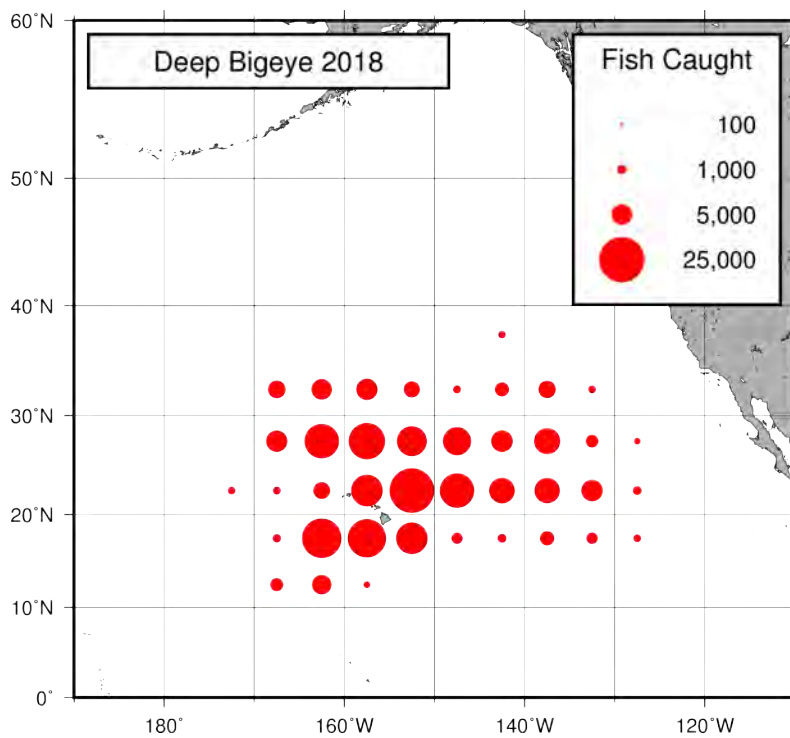


Figure 18: Spatial distribution of the number of deep-set bigeye tuna caught by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

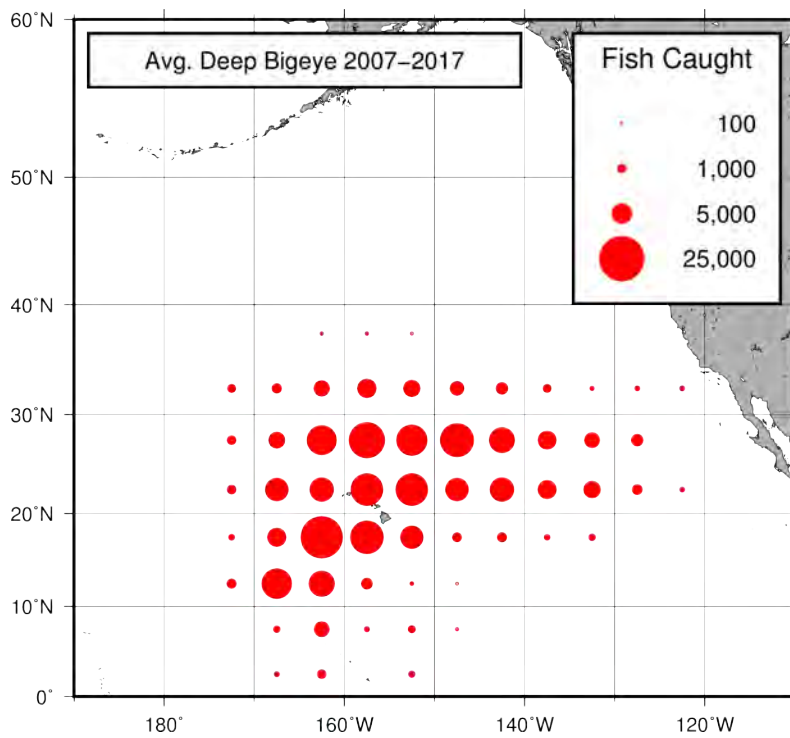


Figure 19: Spatial distribution of the average number of deep-set bigeye tuna caught by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017.

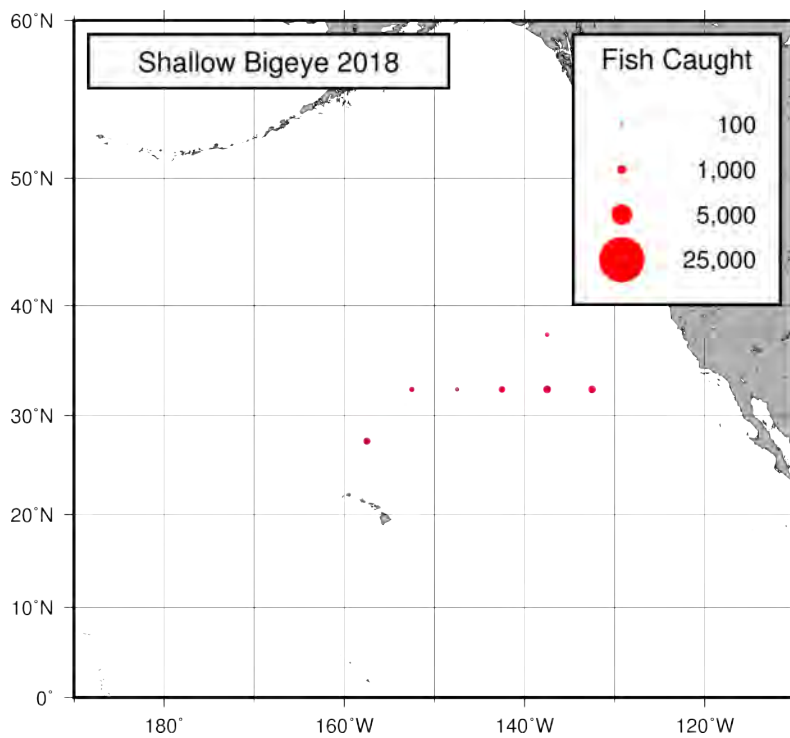


Figure 20: Spatial distribution of the number of shallow-set bigeye tuna caught by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

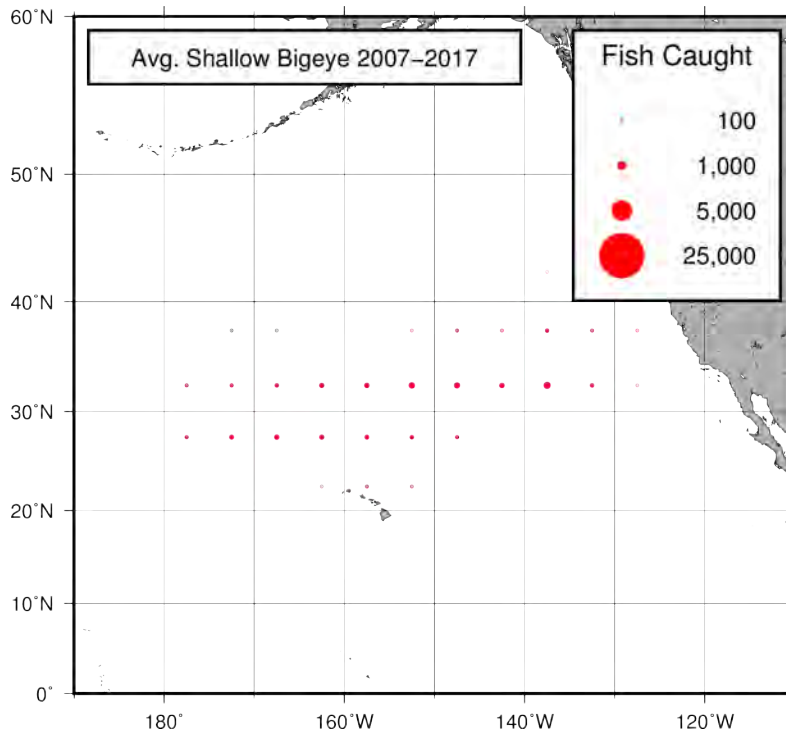


Figure 21: Spatial distribution of the average number of shallow-set bigeye tuna caught by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017.

## Swordfish

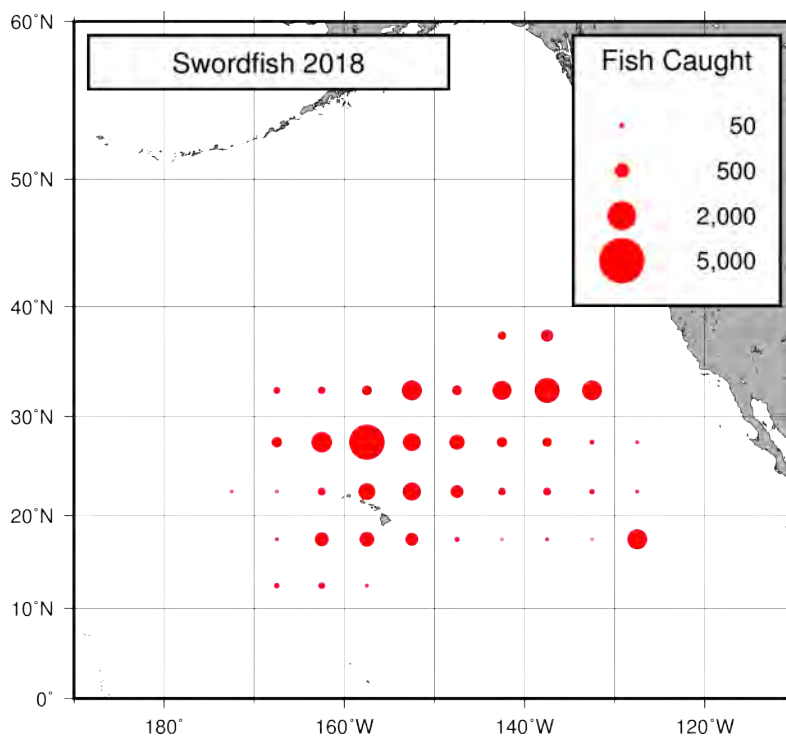


Figure 22: Spatial distribution of the total number of swordfish caught, by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).



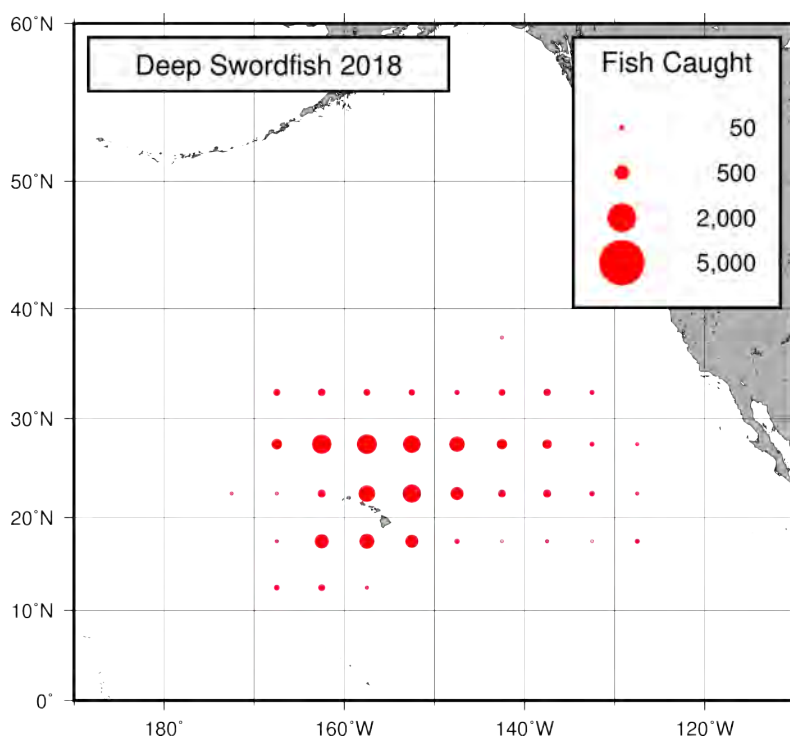


Figure 23: Spatial distribution of the number of deep-set swordfish caught, by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

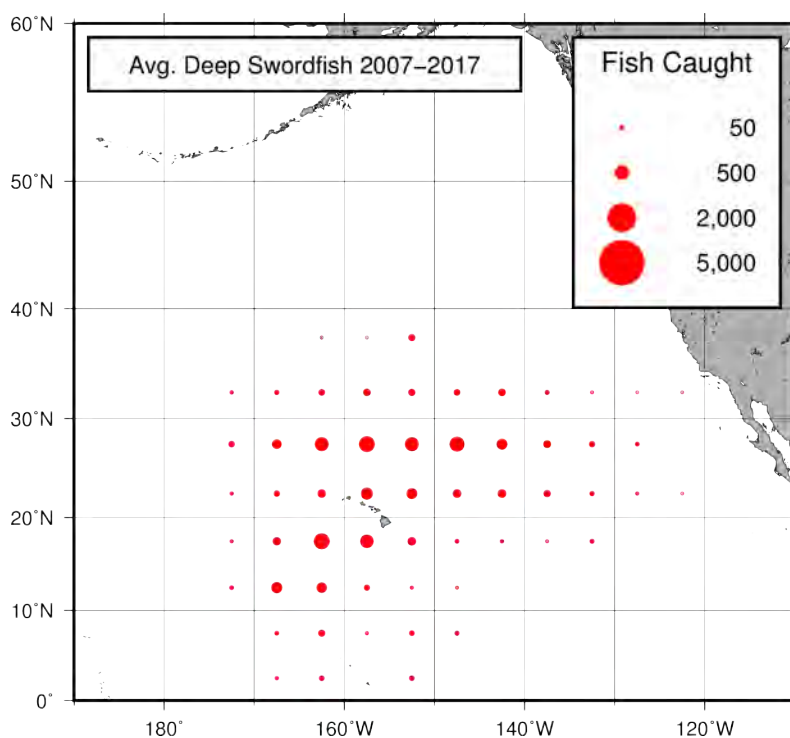


Figure 24: Spatial distribution of the average number of deep-set swordfish caught, by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017.

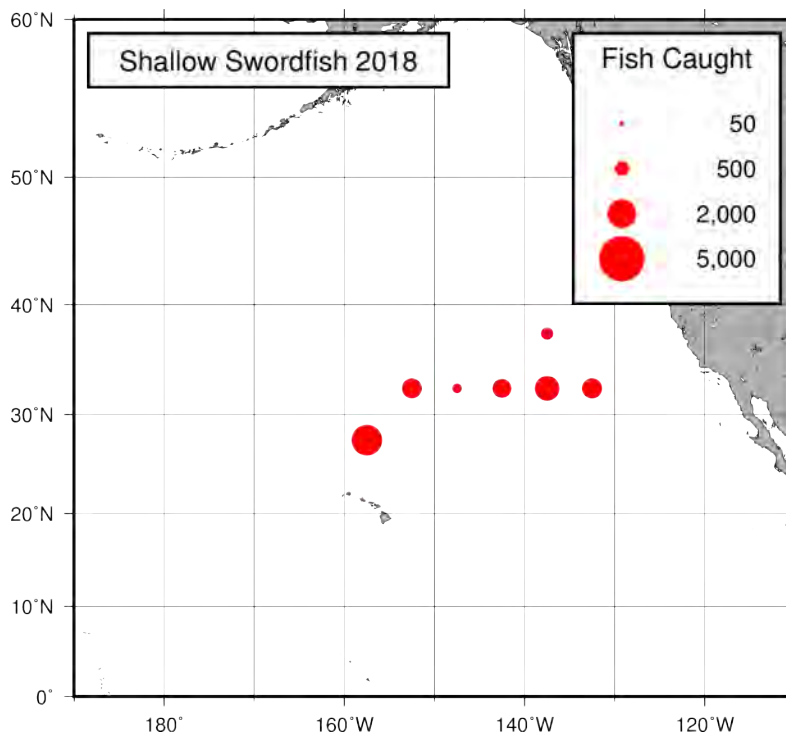


Figure 25: Spatial distribution of the number of shallow-set swordfish caught, by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2018 (provisional data).

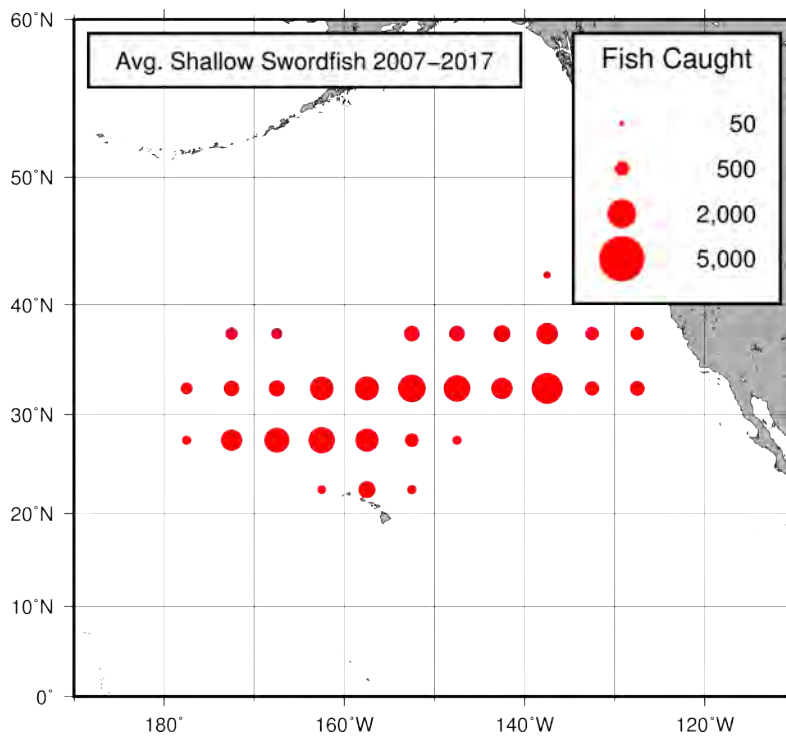


Figure 26: Spatial distribution of the average number of shallow-set swordfish caught, by longline vessels based in Hawaii and California fishing within the North Pacific Ocean, 2007-2017.