The Hawaii - California Pelagic Longline Vessels Semi-annual Report 1 January-30 June 2022

Fisheries Research and Monitoring Division (FRMD) Pacific Islands Fisheries Science Center (PIFSC), NOAA Fisheries NOAA Inouye Regional Center 1845 Wasp Boulevard, Building 176, Honolulu, HI 96818

This semi-annual report for the 1 January-30 June 2022 period contains summary data of fishing effort and catch statistics as reported on longline log sheets for the Hawaii - California pelagic longline vessels. Data in this report originate from the PIFSC Information Management System (Oracle) table LLDS_REPORT_STATS_PRELIM_HC, representing preliminary data received as of 22 August 2022. 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).

The following tables show fishery statistics for the stated time period, area, and set type, and include effort (number of vessels, trips, sets, and hooks set). 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 1000 hooks.

Catch and effort summaries in this report were based on RFMO standards and business rules. Longline catch and effort statistics in this report consists of U.S. longline fisheries in the North Pacific Ocean, attributions from CNMI, Guam and American Samoa in the North Pacific Ocean. Longline vessels operating from California were also included in this report to satisfy RFMO data reporting and NOAA confidentiality standards. Some vessels operating in California had Hawaii limited-entry permits.

References:

Pacific Islands Fisheries Science Center, 2022: Hawaii Longline Logbook, https://www.fisheries.noaa.gov/inport/item/2721

Southwest Fisheries Science Center, 2022: California Pelagic Longline Fishery, https://www.fisheries.noaa.gov/inport/item/12906

Table 1.Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and all fishing
categories (set types), including effort (number of vessels, trips, sets, and hooks set). 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, number per 1000
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	Number of vessels active 140		
Time Period 1 January-3 Set Types All sets Fishing Area All Areas) June, 2022	Number of t Number of s	Number of vessels active Number of trips (partial or completed) Number of sets Number of hooks set		
Pelagic Management Unit	+	Number	Number	Number	CPUE	
Species (PMUS)	L	Caught	Kept	Released	Number Caught per 1000 Hooks	
PMUS						
Billfish PMUS						
Blue marlin		3,332	3,308	24	0.10	
Striped marlin		4,994	4,936	58	0.15	
Shortbill spearfish		5,601	5,451	150	0.17	
Swordfish		9,014	8,807	207	0.28	
Other billfishes		203	199	4	0.01	
	Total	23,144	22,701	443	0.71	
Shark PMUS						
Blue shark		39,108		39,108	1.21	
Mako sharks		1,173	17	1,156	0.04	
Thresher sharks		6,135	25	6, 1 10	0.19	
Oceanic whitetip s	shark	193	0	193	0.01	
Silky shark		122	0	122	0.00	
	Total	46,731	42	46,689	1.44	
Tuna PMUS						
Albacore		9,116	8,482	634	0.28	
Bigeye tuna		89,166	87,661	1,505	2.75	
Yellowfin tuna		42,040	40,841	1,199	1.30	
Bluefin tuna		7	7	0	0.00	
Skipjack tuna		8,618	8,503	115	0.27	
Other tunas		0	0	0	0.00	
	Total	148,947	145,494	3,453	4.60	
Other PMUS						
Mahimahi		7,941	7,861	80	0.25	
Moonfish		2,548	2,546	2	0.08	
Wahoo		9,534	9,498	36	0.29	
Oilfish		5,490	4,395	1,095	0.17	
Pomfret		15,044	14,814	230	0.46	
	Total	40,557	39,114	1,443	1.25	
Total PMUS		259,379	207,351	52,028	8.01	
Non-PMUS Shark	s	157	0	157	0.00	
Total Non-PMUS		2,693	142	2,551	0.08	
Total All Species		262,072	207,493	54,579	8.09	

Table 2. Hawaii and California-based pelagic longline vessels semi-annual statistics for fishing within the U.S. EEZ (main Hawaiian Islands, Northwestern Hawaiian Islands, or the Pacific Remote Islands, and with all fishing categories (set types), including effort (number of vessels, trips, sets, and hooks set). 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, number per 1000 hooks, calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information Management System, Longline Logbook Data.

Set Types All sets 3.0 Fishing Area Inside U.S. EEZ Number of hooks set 8,941,1 Pelagic Management Unit Number Caught Number Released Number Gau per 1000 hours PMUS Butemarin 961 953 8 0.11 Shortbill spearlish 2,213 2,190 23 0.25 Shortbill spearlish 2,213 2,190 23 0.25 Shortbill spearlish 2,996 685 11 0.08 Other billfishes 46 45 1 0.01 Mako sharks 10,241 1.15 0.221 0.02 Blue shark 10,241 1.15 0.1551 0.01 Yorder sharks 1,257 0 10241 1.15 Mako sharks 10,241 1.15 0 136 Trues PMUS 1557 0 1351 0.01 Albacore 140 140 0 0.02 Bigeye tuna 2,774 2,446 <th>Report Coverage Time Period 1</th> <th>January-3</th> <th>30 June, 2022</th> <th></th> <th colspan="3">Number of vessels active125Number of trips (partial or completed)443</th>	Report Coverage Time Period 1	January-3	30 June, 2022		Number of vessels active125Number of trips (partial or completed)443		
Species (PMUS) Caught Kept Released Number Caught per 1000 Ho per 1000 Ho per 1000 Ho per 1000 Ho PMUS Blilfish PMUS Blue markin 961 953 8 0.11 Species (PMUS) Blue markin 961 953 8 0.11 Singed markin 1,843 1,831 12 0.21 Shortbill spearfish 2,213 2,190 23 0.25 Swordfish 696 685 11 0.08 Other billfishes 46 45 1 0.01 Blue shark 10,241 1.15 0.17 0.02 Total 5,759 5,704 55 0.84 Sliky shark 10,241 1.15 0.17 0.02 Occeanic whitetip shark 12,143 8 12,135 1.36 Tuna PMUS Albacore 140 140 0 0.02 Albacore 140 140 0 0.00 0.00 Skiget tuna 2,571 2,547	Set Types A	All sets		Number of s	Number of sets		
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Shortbill spearlish 2,213 2,190 23 0.25 Swordfish 696 685 11 0.08 Other billfishes 46 45 1 0.01 Total 5,759 5,704 55 0.64 Shark PMUS 10,241 1.15 1.021 1.15 Mako sharks 10,241 221 0.02 1.0241 1.15 Thresher sharks 1.557 0.64 1.0241 1.15 0.17 0.02 1.551 0.17 Oceanic whitetip shark 43 0 43 0.00 1.024 1.15 1.36 Tuna PMUS Albacore 140 140 0 0.02 1.36 Tuna PMUS 4140 140 0 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00 0.00 <	Blue marlin		961	953	8	0.11	
Swordfish 696 685 11 0.08 Other billfishes 46 45 1 0.01 Total 5,759 5,704 55 0.84 Shark PMUS Blue shark 10,241 1.15 0.221 0.02 Thresher sharks 10,241 1.15 0.17 0.221 0.02 Thresher sharks 1,557 0 10,241 1.15 0.17 Oceanic whitetip shark 79 0.01 31,000 0 0.01 33 0.00 Total 12,143 8 12,135 1.36 1.36 1.36 1.36 1.36 0.00 <	Striped marlin		1,843	1,831	12	0.21	
Other billfishes 46 45 1 0.01 Total 5,759 5,704 55 0.64 Shark PMUS Blue shark 10,241 1.15 0 10,241 1.15 Mako sharks 12,21 0.02 10,241 1.15 0 10,241 1.15 Mako sharks 1,557 0 1.557 0 1.551 0.17 Oceanic whitetip shark 1,57 0 3.51 0.17 79 0.01 Silky shark 43 0 43 0.00 43 0.00 Tuna PMUS Total 12,143 8 12,135 1.36 Tuna PMUS Albacore 140 0 0.00 0.00 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 0.00 Total 33,524 32,908 616 3.75 <td>Shortbill spearfis</td> <td>sh</td> <td>2,213</td> <td>2,190</td> <td>23</td> <td>0.25</td>	Shortbill spearfis	sh	2,213	2,190	23	0.25	
Total 5,759 5,704 55 0.64 Shark PMUS Blue shark 10,241 1.15 222 0.02 Thresher sharks 10,241 2.15 0.1551 0.17 Oceanic whitetip shark 13,51 0.17 0.01 1551 0.17 Oceanic whitetip shark 43 0 43 0.00 43 0.00 Silky shark 43 0 43 0.00 0.00 0.00 0.00 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0 0.00 0.00 Skipjack tuna 2,571 2,547 24 0.29 0.000 0	Swordfish		696	685	11	0.08	
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Blue shark 10,241 0 10,241 1.15 Mako sharks 223 2 221 0.02 Thresher sharks 1,557 0 1,551 0.17 Oceanic whitetip shark 79 0 79 0.01 Silky shark 43 0 43 0.00 Total 12,143 8 12,135 1.36 Tuna PMUS Albacore 140 140 0 0.02 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 2.64 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS Mahimahi 1,105 1,099 6 0.12 Moonfish 2.86 2.85 1 0.03 <td></td> <td>Total</td> <td>5,759</td> <td>5,704</td> <td>55</td> <td>0.64</td>		Total	5,759	5,704	55	0.64	
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Thresher sharks 1,557 6 1,551 0.17 Oceanic whitetip shark 79 0 79 0.01 Silky shark 43 0 43 0.00 Total 12,143 8 12,135 1.36 Tuna PMUS <th< td=""><td>Mako sharks</td><td></td><td>223</td><td>2</td><td>221</td><td>0.02</td></th<>	Mako sharks		223	2	221	0.02	
Silky shark 43 0 43 0,00 Total 12,143 8 12,135 1.36 Tuna PMUS Albacore 140 0 0.02 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Olifish 1,916 1,539 377 0.21 Pormfret 2,582 2,535 47 0.29 Total 7,898 7,457 13,247 6.63 Non-PM	Thresher sharks	6	1,557		<mark>1,</mark> 551	0.17	
Total 12,143 8 12,135 1.36 Tuna PMUS Albacore 140 0 0.02 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS Total 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oiffish 1,916 1,539 3.77 0.21 Pornfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 <td< td=""><td>Oceanic whitetin</td><td>o shark</td><td>79</td><td>0</td><td>79</td><td>0.01</td></td<>	Oceanic whitetin	o shark	79	0	79	0.01	
Tuna PMUS 140 140 0 0.02 Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oiffish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Non-PMUS 59,324 46,077 13,247 6.63 Non-PMUS 1,174 57 1,117 0.13	Silky shark		43	0	43	0.00	
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Bigeye tuna 21,794 21,466 328 2.44 Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 0.22 0.11 0.03 Wahoo 2,009 1,999 10 0.22 0.121 Oiffish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Non-PMUS 59,324 46,077 13,247 6.63 Non-PMUS 1,174 57 1,117 0.13	Tuna PMUS						
Yellowfin tuna 9,019 8,755 264 1.01 Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS	Albacore		140	140	0	0.02	
Bluefin tuna 0 0 0 0.00 Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS 0 0 0.00 Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oiffish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Bigeye tuna		21,794	21,466	328	2.44	
Skipjack tuna 2,571 2,547 24 0.29 Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS <th< th=""></th<>	Yellowfin tuna		9,019	8,755	264	1.01	
Other tunas 0 0 0 0.00 Total 33,524 32,908 616 3.75 Other PMUS 1,105 1,099 6 0.12 Mahimahi 1,105 1,099 6 0.12 0.03 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Bluefin tuna		0	0	0	0.00	
Total 33,524 32,908 616 3.75 Other PMUS	Skipjack tuna		2,571	2,547	24	0.29	
Other PMUS Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Other tunas		0	0	0	0.00	
Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Mon-PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01		Total	33,524	32,908	616	3.75	
Mahimahi 1,105 1,099 6 0.12 Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Mon-PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01	Other PMUS						
Moonfish 286 285 1 0.03 Wahoo 2,009 1,999 10 0.22 Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Mon-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13			1,105	1,099	6	0.12	
Oilfish 1,916 1,539 377 0.21 Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13						0.03	
Pomfret 2,582 2,535 47 0.29 Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Wahoo		2,009	1,999	10	0.22	
Total 7,898 7,457 441 0.88 Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Oilfish		1,916	1,539	377	0.21	
Total PMUS 59,324 46,077 13,247 6.63 Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13	Pomfret		2,582	2,535	47	0.29	
Non-PMUS Sharks 48 0 48 0.01 Total Non-PMUS 1,174 57 1,117 0.13		Total	7,898	7,457	441	0.88	
Total Non-PMUS 1,174 57 1,117 0.13	Total PMUS		59,324	46,077	13,247	6.63	
,,, _,, _	Non-PMUS Sha	irks	48	0	48	0.01	
Total All Species 60,498 46,134 14,364 6.77	Total Non-PMUS		1,174	57	1,117	0.13	
	Total All Species		60,498	46,134	14,364	6.77	

Table 3. Hawaii and California-based pelagic longline vessels semi-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). 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, number per 1000 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	Number of vessels active 138		
Time Period 1 January-30 June, 2022				Number of trips (partial or completed)		
Set Types All sets Fishing Area Outside U.S				Number of sets Number of hooks set		
		. EEZ	Number of			
Pelagic Management	Unit	Number	Number	Number	CPUE	
Species (PMUS)		Caught	Kept	Released	Number Caught	
					per 1000 Hooks	
PMUS						
Billfish PMUS						
Blue marlin		2,371	2,355	16	0.10	
Striped marlin		3,151	3,105	46	0.13	
Shortbill spear	fish	3,388	3,261	127	0.14	
Swordfish		8,318	8,122	196	0.35	
Other billfishes	5	157	154	3	0.01	
	Total	17,385	16,997	388	0.74	
Shark PMUS						
Blue shark		28,867		28,867	1.23	
Mako sharks		950	15	935	0.04	
Thresher shar	ks	4,578	19	4,559	0.20	
Oceanic white	tip shark	114	0	114	0.00	
Silky shark		79	O	79	0.00	
	Total	34,588	34	34,554	1.48	
Tuna PMUS						
Albacore		8,976	8,342	634	0.38	
Bigeye tuna		67,372	66,195	1,177	2.87	
Yellowfin tuna		33,021	32,086	935	1.41	
Bluefin tuna		7	7	0	0.00	
Skipjack tuna		6,047	5,956	91	0.26	
Other tunas		0	0	0	0.00	
	Total	115,423	112,586	2,837	4.92	
Other PMUS						
Mahimahi		6,836	6,762	74	0.29	
Moonfish		2,262	2,261	1	0.10	
Wahoo		7,525	7,499	26	0.32	
Oilfish		3,574	2,856	718	0.15	
Pomfret		12,462	12,279	183	0.53	
	Total	32,659	31,657	1,002	1.39	
Total PMUS		200,055	161,274	38,781	8.53	
Non-PMUS St	narks	109	0	109	0.00	
Total Non-PMUS		1,519	85	1,434	0.06	
Total All Species		201,574	161,359	40,215	8.60	

Table 4.Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and with
shallow set type, including effort (number of vessels, trips, sets, and hooks set). 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, number per 1000
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 CoverageTime Period1 January-3Set TypesShallow setsFishing AreaAll Areas	0 June, 2022 s	Number of vessels active Number of trips (partial or completed) Number of sets Number of hooks set		15 41 554 684,473	
Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks	
PMUS					
Billfish PMUS					
Blue marlin	40	40	0	0.06	
Striped marlin	309	308	1	0.45	
Shortbill spearfish	57	57	0	0.08	
Swordfish	6,679	6,489	190	9.76	
Other billfishes	12	11	1	0.02	
Total	7,097	6,905	192	10.37	
Shark PMUS					
Blue shark	3,081		3,081	4.50	
Mako sharks	273	4	269	0.40	
Thresher sharks	34	0	34	0.05	
Oceanic whitetip shark	24	0	24	0.04	
Silky shark	5	0	5	0.01	
Total	3,417	4	3,413	4.99	
Tuna PMUS					
Albacore	417	415	2	0.61	
Bigeye tuna	645	640	5	0.94	
Yellowfin tuna	737	735	2	1.08	
Bluefin tuna	4	4	0	0.01	
Skipjack tuna	28	28	0	0.04	
Other tunas	0	0	0	0.00	
Total	1,831	1,822	9	2.68	
Other PMUS					
Mahimahi	921	918	3	1.35	
Moonfish	2	2	0	0.00	
Wahoo	29	29	0	0.04	
Oilfish	177	110	67	0.26	
Pomfret	6	4	2	0.01	
Total	1,135	1,063	72	1.66	
Total PMUS	13,480	9,794	3,686	19.69	
Non-PMUS Sharks	3	0	3	0.00	
Total Non-PMUS	14	10	4	0.02	
Total All Species	13,494	9,804	3,690	19.71	

Table 5.Hawaii and California-based pelagic longline vessels semi-annual statistics for all fishing areas and with deep
set type, including effort (number of vessels, trips, sets, and hooks set). 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, number per 1000 hooks,
calculated as the sum of fish caught divided by the sum of hooks set). Data Source: PIFSC Information
Management System, Longline Logbook Data.

Total Non-PMUS		2,679	132	2,547	0.08	
Non-PMUS S	Sharks	154	0	154	0.00	
Total PMUS		245,899	197,557	48,342	7.76	
	Total	39,422	38,051	1,371	1.24	
Pomfret		15,038	14,810	228	0.47	
Oilfish		5,313	4,285	1,028	0.17	
Wahoo		9,505	9,469	36	0.30	
Moonfish		2,546	2,544	2	0.08	
Mahimahi		7,020	6,943	77	0.22	
Other PMUS						
	Total	147,116	143,672	3,444	4.04	
Other tunas	Tetal	_	_	_	0.00 4.64	
Skipjack tuna Other tunas		8,590 0	8,475 0	0	0.27	
Bluefin tuna Skipiack tuna		3 8 500	3 8 475	0 115	0.00 0.27	
Yellowfin tuna	d .	41,303	40,106	1,197	1.30	
Bigeye tuna		88,521	87,021	1,500	2.79	
Albacore		8,699	8,067	632	0.27	
Tuna PMUS		0 000	0.007	600	0.07	
Tune DMUO						
,	Total	43,314	38	43,276	1.37	
Silky shark		117	0	117	0.00	
Oceanic white		169	0	169	0.01	
Thresher sha	rks	6,101	25	6,076	0.19	
Mako sharks		900	13	887	0.03	
Blue shark		36,027		36,027	1.14	
Shark PMUS						
	Total	16,047	15,796	251	0.51	
Other billfishe		191	188	3	0.01	
Swordfish		2,335	2,318	17	0.07	
Shortbill spea	unisn	5,544	5,394	150	0.17	
Striped marlin		4,685	4,628	57	0.15	
Blue marlin		3,292	3,268	24	0.10	
Billfish PMUS						
PMUS						
		0.0.3.11			per 1000 Hooks	
Pelagic Managemen Species (PMUS)	t Unit	Number Caught	Number Kept	Number Released	CPUE Number Caught	
	/ / 00.0				01,000,000	
Set Types Deep sets Fishing Area All Areas			Number of Number of		10,742 31,696,355	
Time Period 1 January-30		0 June, 2022		Number of trips (partial or completed)		
Report Coverage				Number of vessels active139Number of trips (partial or completed)811		