

PACIFIC ISLANDS REGIONAL OBSERVER PROGRAM
DEEP SET - ANNUAL STATUS REPORT
January 1, 2017 - December 31, 2017
Pacific Islands Regional Office
National Marine Fisheries Service
February 7, 2018

The Hawaii-based pelagic longline fishery targeting tunas has been monitored under a mandatory observer program since February 1994. Beginning March 1994, branch personnel have conducted daily shoreside dock rounds in Honolulu to determine which fishing vessels are in port. These dock rounds are used to obtain an estimate of fishing effort on a real-time basis by assuming that a vessel is fishing when it is absent from the harbor. This report summarizes data for vessels that declared intent for a deep set trip. This report is used to ensure prompt dissemination of Hawaii Longline Observer Data and may be revised after final data editing has been completed. The following table summarizes the percent observer coverage for vessel departures, vessels arriving with observers, protected species interactions, and set and hook unit effort for vessels arriving with observers during 2017.

Vessel Departures - 2017 (January 1, 2017 - December 31, 2017)	
Departures -----	1491
Departures with observers -----	304
Observer coverage 2017 -----	20.4%
Vessels Arriving with Observers - 2017	
Departures with observers in 2017 -----	304
Observers departing in 2016 arriving in 2017 -----	12
Observers departing in 2017 arriving in 2018 -----	19
Total vessels arriving with observers - 2017 -----	297
Protected Species Interactions - 2017	
Vessels arriving with observers - 2017 -----	297
Trips with turtle interactions -----	31
Trips without turtle interactions -----	266
Trips with marine mammal interactions -----	14
Trips without marine mammal interactions -----	283
Trips with seabird interactions -----	60
Trips without seabird interactions -----	237
Total Sea Turtles Interactions -----	32
Released dead	
Olive Ridley -----	23
Green -----	2
Released injured	
Loggerhead -----	3
Olive Ridley -----	3
Green -----	1
Total Marine Mammal Interactions -----	14
Released dead	
False Killer Whale -----	2
Released injured	
False Killer Whale -----	6
Bottlenose Dolphin -----	1
Risso's Dolphin -----	1
Unidentified Cetacean -----	4
Total Seabird Interactions -----	136
Released dead	
Laysan Albatross -----	38
Black-footed Albatross -----	85
Unidentified Gull -----	1
Released injured	
Black-footed Albatross -----	12
Total Sets	3,832
Total Hooks Retrieved	10,148,195
Turtles per 1,000 Hooks	0.003
Seabirds per 1,000 Hooks	0.013
Marine Mammals per 1,000 Hooks	0.001

Note: The percent coverage is based on vessel departures. Protected species interactions are based on vessel arrivals. For the purpose of this report an animal that becomes hooked or entangled is an interaction.