

**Data Report**  
**Estimation of Bycatch with Bony Fish, Sharks, and Rays**  
**in the 2017, 2018, and 2019 Hawaii Permitted Deep-set Longline Fishery**

Marti McCracken<sup>1</sup> and Brett Cooper<sup>2</sup>

<sup>1</sup>Pacific Islands Fisheries Science Center, National Marine Fisheries Service

<sup>2</sup>Joint Institute of Marine and Atmospheric Research, University of Hawaii

The attached Excel Workbook (pir.hllds.1719.xlsx) includes annual bycatch estimates for years 2017, 2018, and 2019. The workbook includes a worksheet labeled “key” that provides definitions of the column headings and the items being estimated.

McCracken (in prep b) describes the sample design used to sample the deep-set fleet and point estimators of bycatch, and McCracken (in prep a) describes the estimators of standard error. The observed and estimated numbers were derived using Hawaii Longline Logbook Data Set (Pacific Islands Fisheries Science Center, 2020) and the Longline Observer Data System (Pacific Islands Regional Office, 2020).

## References

Pacific Islands Fisheries Science Center. 2020. Hawaii Longline Logbook.

<https://inport.nmfs.noaa.gov/inport/item/2721>.

Pacific Islands Regional Office. 2020. Longline Observer Data System.

<https://inport.nmfs.noaa.gov/inport/item/9027>.

McCracken ML. In prep.*a*. Interval estimation of annual bycatch in the Hawaii deep-set longline fishery. Technical report. PIFSC, NOAA, U.S. Department of Commerce.

McCracken ML. In prep.*b*. Sampling the Hawaii deep-set longline fishery and point estimators of bycatch. Technical report, PIFSC, NOAA, U.S. Department of Commerce.