

## Data Report

### Estimation of Bycatch with Bony Fish, Sharks, and Rays in the 2021 Hawaii Permitted Deep-Set Longline Fishery

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The attached Excel Workbook (pir.hi.dssl.fish.2021.xlsx) includes annual bycatch estimates for 2021. The workbook includes a worksheet labeled “key” that provides definitions of the column headings and the items being estimated. McCracken (2019) describes the sample design used to sample the deep-set fleet and estimators of bycatch. The observed and estimated numbers were derived using Hawaii Longline Logbook Data Set (Pacific Islands Fisheries Science Center, 2022) and the Longline Observer Data System (Pacific Islands Regional Office, 2022).

#### References

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

Pacific Islands Regional Office, 2022: Longline Observer Data System, <https://www.fisheries.noaa.gov/inport/item/9027>.

McCracken ML. 2019. Sampling the Hawaii deep-set longline fishery and point estimators of bycatch. U.S. Dept. of Commerce, NOAA Technical Memorandum NOAA-TM-NMFS-PIFSC-89, 22 p. <https://doi.org/10.25923/2psa-7s55>.