

Assessment of Incidental Interactions with Marine Mammals in the Hawaii Longline Deep- and Shallow-set Fisheries from 2017 through 2021

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Attached are two Excel Workbooks: *pir.sssl.ceta.1721.xlsx* and *pir.dsll.ceta.1721.xlsx*. The first workbook provides numbers, by species and geographical region, for observed interactions and injury determinations in the 100% observed shallow-set Hawaii longline fishery. The second workbook provides observed and estimated total interactions and interactions resulting in death or a serious injury (DSI) classification for the deep-set Hawaii longline fishery. Numbers for years 2017 through 2021 and the average over these 5 years are provided for both fisheries. The regions are (1) within the Hawaiian Islands Exclusive Economic Zone (EEZ) and (2) outside the U.S. EEZ. Statistics for the regions defined by the EEZs of Palmyra Atoll and Kingman Reef, Johnston Atoll, Baker Island, Howland Island, and Jarvis Island are not provided because there has been so little effort in these regions that there are issues with confidential data. From 2017 to 2021, there were no observed interactions with marine mammals in these regions. Both workbooks include a worksheet labeled 'key' that provides definitions of the column headings and the items being estimated. The workbooks have a worksheet for all marine mammal species that have been observed bycaught at least once since 2011 in the fishery (deep or shallow) being tabulated.

Methods for estimating the number of interactions (bycatch) and DSI are described in McCracken (2022). 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, Cooper, B. 2022. Assessment of Incidental Interactions with Marine Mammals in the Hawaii Longline Deep- and Shallow-set Fisheries from 2016 through 2020. PIFSC data report; DR-22-17. <https://doi.org/10.25923/6gaj-ns35>.