

Assessment of Incidental Interactions with False Killer Whales in the Hawai‘i Longline Deep- and Shallow-set Fisheries from 2020 through 2024

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Pacific Islands Fisheries Science Center
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Attached are two Excel Workbooks: pir.sll.ceta.2024.xlsx and pir.dsll.ceta.2024.xlsx. The first workbook provides numbers, by species and geographical region, for observed interactions and injury determinations in the 100% observed shallow-set Hawai'i longline fishery. The second workbook provides observed and estimated total interactions and interactions resulting in mortality or a serious injury (MSI) classification for the deep-set Hawai'i longline fishery. Numbers for years 2020 through 2024 and the average over these 5 years are provided for both fisheries.

Estimates are provided for 3 regions (1) within the Hawai'ian Islands Exclusive Economic Zone (EEZ), (2) outside the U.S. EEZ, and (3) within the Hawai'i Pelagic False Killer Whale Management Area, as described in Oleson (2023). 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 the data are confidential.

From 2020 to 2024, 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.

Methods for estimating the number of interactions (bycatch) and MSI are described in McCracken (2022). The observed and estimated numbers were derived using Hawai'i Longline Logbook Data Set (Pacific Islands Fisheries Science Center, 2025) and the Longline Observer Data System (Pacific Islands Regional Office, 2025).

Literature Cited

- McCracken, M. L., & Cooper, Brett. (2022). *Assessment of Incidental Interactions with Marine Mammals in the Hawaii Longline Deep- and Shallow-set Fisheries from 2016 through 2020* (PIFSC Data Report Series, DR-22-17). Pacific Islands Fisheries Science Center. <https://doi.org/10.25923/6gaj-ns35>.
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- Pacific Islands Fisheries Science Center (2025). Hawaii Longline Logbook. <https://www.fisheries.noaa.gov/inport/item/2721>.
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