



OCCURRENCE

Passive acoustic monitoring of killer whales in the northern Gulf of Alaska

Latest version published by OBIS-SEAMAP on 10 August 2021

Home: [Link](#)

GBIF UUID: dc274911-6d14-4aa7-9c27-d17833d51a5d

Publication date: 10 August 2021

Published by: [OBIS-SEAMAP](#)

License: [CC-BY-NC 4.0](#)

[How to cite](#)

Download the latest version of this resource data as a Darwin Core Archive (DwC-A) or the resource metadata as EML or RTF:

Data as a DwC-A file

[download](#) 3,003 records in English (115 KB) - Update frequency: not planned

Metadata as an EML file

[download](#) in English (11 KB)

Metadata as an RTF file

[download](#) in English (11 KB)

Description

Original provider: Hannah Myers Dataset credits: Hannah Myers, University of Alaska Fairbanks
Abstract: Killer whales (*Orcinus orca*) are top predators throughout the world's oceans. In the North Pacific, the species is divided into three ecotypes—resident (fish-eating), transient (mammal-eating), and offshore (largely shark-eating)—that are genetically and acoustically distinct and have unique roles in the marine ecosystem. We deployed hydrophones in the northern Gulf of Alaska to examine the year-round distribution of killer whales from 2016 to 2020 using passive acoustic monitoring. Highest year-round acoustic presence occurred in Montague Strait, with strong seasonal patterns in Hinchinbrook Entrance and Resurrection Bay. Passive acoustic monitoring revealed that both resident and transient killer whales used these areas much more extensively than previously known and provided novel insights into high use locations

passive acoustic monitoring of killer whales Supplemental information: This dataset presents killer whale presence or absence based on acoustic detection. The locations of the stationary acoustic devices are approximate. Passive acoustic monitoring efforts were done during the following periods: Montague Strait Hanning Bay 10/1/2016 - 1/31/2017 Little Bay 9/14/2017-5/7/2018 Little Bay 5/15/2018 - 9/17/2018 Little Bay 10/1/2018 - 9/24/2019 Little Bay 09/27/2019 - 5/31/2020 Hinchinbrook Entrance Port Etches 10/1/2016 - 6/16/2017 Port Etches 9/7/2017 - 5/12/2018 Port Etches 5/15/2018 - 9/30/2018 Zaikof Bay 10/1/2018 - 7/25/2019 Zaikof Bay 10/1/2019 - 5/29/2020 Resurrection Bay 6/7/2018 - 10/2/2018 10/2/2018 - 5/27/2019 5/27/2019 - 9/22/2019 9/22/2019 - 5/31/2020


Data Records

The data in this occurrence resource has been published as a Darwin Core Archive (DwC-A), which is a standardized format for sharing biodiversity data as a set of one or more data tables. The core data table contains 3,003 records.

This IPT archives the data and thus serves as the data repository. The data and resource metadata are available for download in the [downloads](#) section. The [versions](#) table lists other versions of the resource that have been made publicly available and allows tracking changes made to the resource over time.

Versions

The table below shows only published versions of the resource that are publicly accessible.

Version	Published on	Records	Change summary	DOI handle	Last modified by
 1.0	2021-08-10 13:59:56	3,003	Initial release		Marine Geospatial Ecology Lab OBIS-SEAMAP

Showing 1 to 1 of 1

[previous](#)

1

[next](#)

How to cite

Researchers should cite this work as follows:

Data downloaded from OBIS-SEAMAP (<https://seamap.env.duke.edu/dataset/2158>) on yyyy-mm-dd.

Rights

Researchers should respect the following rights statement:

The publisher and rights holder of this work is OBIS-SEAMAP. This work is licensed under a [Creative Commons Attribution Non Commercial \(CC-BY-NC 4.0\) License](#).

GBIF Registration

This resource has been registered with GBIF, and assigned the following GBIF UUID: [dc274911-6d14-4aa7-9c27-d17833d51a5d](#). OBIS-SEAMAP publishes this resource, and is itself registered in GBIF as a data publisher endorsed by [Ocean Biodiversity Information System](#).

Keywords

Occurrence, Marine Animal Survey, Marine Biology, Marine mammals, Acoustic presence/absence, Ocean-based Platforms; Observation; Occurrence

External data

The resource data is also available in other formats

OBIS-SEAMAP Dataset Page	https://seamap.env.duke.edu/dataset/2158 UTF-8 Interactive map
FGDC Metadata	https://seamap.env.duke.edu/dataset/2158/xml UTF-8 XML

Contacts

Hannah Myers

Owner • Originator • Point Of Contact

Primary contact

<https://duke.edu/cros/people/student/detail/namianmyers.php>

OBIS-SEAMAP

Metadata Provider • Distributor

Marine Geospatial Ecology Lab, Duke University
A328 LSRC building
27708 Durham
NC
US
seamap-contact@duke.edu
<https://seamap.env.duke.edu>

Geographic Coverage

Alaska

Bounding Coordinates South West [59.7, -149.6], North East [60.3, -147]

Taxonomic Coverage

Scientific names are based on the Integrated Taxonomic Information System (ITIS).

Species Orcinus orca (Killer Whale)

Temporal Coverage

Start Date / End Date 2016-10-01 / 2020-05-31

Project Data

No Description available

Title Passive acoustic monitoring of killer whales in the northern Gulf of Alaska

Funding NA



Hannah Myers

Owner

Sampling Methods

NA

Study ExtentNA

Method step description:

- 1. NA

Collection Data

Collection Namezd_2158
Collection Identifierzd_2158
Parent Collection IdentifierOBIS-SEAMAP

Additional Metadata

marine, harvested by iOBIS

PurposeYear-round passive acoustic monitoring of killer whales
Alternative Identifiershttp://ipt.env.duke.edu/resource?r=zd_2158



GBIF Integrated Publishing Toolkit (IPT) Version 2.7.3

[About the IPT](#) | [User manual](#) | [Report a bug](#) | [Request new feature](#)