**Metadata Requirements OBIS**

Below is the metadata associated to the Bongo Zooplankton data collected during the 2019 IYS High Seas Expedition. The bolded terms are required. Where deemed necessary, a description is provided of the field if you hover your mouse over it.

1. Basic Metadata

**Title**: Zooplankton data collected by vertical bongo net deployment during the 2019 International Year of the Salmon (IYS) High Seas Expedition in the Gulf of Alaska (GoA)

**Publishing Organization**: Canadian Node of the Ocean Biogeographic Information System (OBIS)

**Type**: Occurrence

**Metadata Language**: English

**Update Frequency**: Unknown

**Subtype**: Observation

**Data Language**: English

**Data License**: Creative Commons Attribution (CC-BY-4.0)

*A list of the license descriptions can be found* [*here*](https://www.gbif.org/terms).

**Description**: This dataset contains zooplankton length, biomass and diversity data collected in the NE Pacific Ocean with a bongo net. These data were collected as part of the International Year of the Salmon (IYS) High Seas Expedition conducted in February and March 2019, to further improve the understanding of factors impacting salmon marine winter survival. Vertical bongo net tows were deployed at 58 stations, to a depth of 250 meters to understand the underlying food web structure. After the bongo net deployment and recovery, the net was rinsed down into the cod end. Samples from Net 1 were rinsed into a jar and preserved in 4% formalin for future taxonomic analysis at the University of British Columbia (UBC). Zooplankton caught in Net 2 were rinsed into a sieve and transferred below deck where it was subsequently size fractionated (250-500 µm, 500-1000 µm, 1000-2000 µm, 2000-4000 µm, and >4000 µm) onto pre-weighed filters. Individuals larger than 4000 µm were measured, identified to species level, and stored in individual Eppendorf tubes. Size fractionated zooplankton samples were stored on dry ice. Data collected from zooplankton caught in Net 2 and included in this dataset is their dry weight and length.

**Resource Contacts**

*Please feel free to add additional people or parties to the list below. Additional information such as contact details (phone number, (email) address, researcherID, ORCID or LinkedIn) is preferred.*

First Name: Natalie

**Last Name**: Mahara

**Position**: Research Scientist

**Organization**: University of British Columbia (UBC)

First Name: Brian

**Last Name**: Hunt

**Position**: Professor

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

**Resource Creators**

*Please feel free to add additional people or parties to the list below.* ***Important****: The list of resource creators has to be created in priority order. Additional information such as contact details (phone number, (email) address, researcherID, ORCID or LinkedIn) is preferred.*

First Name: Brian

**Last Name**: Hunt

**Position**: Professor

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

First Name: Evgeny

**Last Name**: Pakhomov

**Position**: Professor

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

First Name: Natalie

**Last Name**: Mahara

**Position**: Research Scientist

**Organization**: University of British Columbia (UBC)

**Metadata Providers**

*Please feel free to add additional people or parties to the list below. Additional information such as contact details (phone number, (email) address, researcherID, ORCID or LinkedIn) is preferred.*

First Name: Natalie

**Last Name**: Mahara

**Position**: Research Scientist

**Organization**: University of British Columbia (UBC)

First Name: Brian

**Last Name**: Hunt

**Position**: Professor

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

1. **Geographic Coverage**

**West**: -147.534

**East**: --127.996

**North**: 56.565

**South**: 46.360

**Description**: NE Pacific Ocean

1. **Taxonomic Coverage**

Click or tap here to enter text.

1. **Temporal Coverage**

**Temporal Coverage Type**: Date Range

**Start Date**: 2019-02-19

**End Date**: 2019-03-15

5.

**Keywords**

**Thesaurus/Vocabulary**

i.e. Global Change Master Directory (GCMD):

https://earthdata.nasa.gov/earth-observation-data/find-data/gcmd/gcmd-keywords

**Keywords**

Click or tap here to enter text.

6.

1. **Associated Parties**

*Please feel free to add additional people or parties to the list below. Additional information such as contact details (phone number, (email) address, ORCID) is preferred is available. A list of roles with descriptions can be found* [*here*](http://registry.it.csiro.au/def/isotc211/CI_RoleCode)*. Please note that the drop-down menus only include the roles accepted under OBIS.*

First Name: Brian

**Last Name**: Hunt

**Position**: Principal Investigator

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

**Role**: Point of Contact

First Name: Evgeny

**Last Name**: Pakhomov

**Position**: Principal Investigator

**Organization**: University of British Columbia (UBC); Institute of Oceans and Fisheries (IOF)

**Role**: Principal Investigator

First Name: Natalie

**Last Name**: Mahara

**Position**: Research Scientist

**Organization**: University of British Columbia (UBC)

First Name: Click or tap here to enter text.

**Last Name**: Click or tap here to enter text.

**Position**: Originator

**Organization**: North Pacific Anadromous Fish Commission (NPAFC)

**Role**: Originator

1. **Project Data**

*Please feel free to add additional people or personnel with associated roles to the list below. A list of roles with descriptions can be found* [*here*](http://registry.it.csiro.au/def/isotc211/CI_RoleCode)*. Please note that the drop-down menus only include the roles accepted under OBIS. Only a single role can be assigned to a person.*

**Title**: International Year of the Salmon (IYS) High Seas Expedition

**Project personnel**:

**Name**: Brian Hunt

**Role**: Principal Investigator

**Name**: Evgeny Pakhomov

**Role**: Principal Investigator

**Name**: Natalie Mahara

**Role**: Processor

1. **Sampling Methods**

**Study Extent**:

Zooplankton were collected with a bongo net at 58 stations throughout the NE Pacific Ocean, weather conditions permitting, between February 19 and March 15, 2019.

**Sampling description**:

Zooplankton were collected using a bongo net at each station after the CTD and water sampling, weather and oceanic conditions permitted. The bongo net (3 m length, 250 µm mesh, 50 cm diameter) was deployed to a depth of 250 m and retrieved vertically at 1 m s-1. Volume filtered was determined using General Oceanics flowmeters and by multiplying effective distance travelled by the mouth area. After the bongo net deployment and recovery, the net was rinsed down into the cod end. Samples from one cod end were rinsed into a jar and preserved in 4 % formaldehyde for future taxonomic analysis. The other cod end was rinsed into a sieve and transferred below deck where it was subsequently size fractionated (250-500 µm, 500-1000 µm, 1000-2000 µm, 2000-4000 µm, and >4000 µm) onto pre-weighed filters. Individuals larger than 4000 µm were measured, identified to species level, and stored in individual Eppendorf tubes. Size fractionated zooplankton samples were stored on dry ice.

**Step Description**:

Click or tap here to enter text.

1. **Citations**

**Resource Citation**:

Click or tap here to enter text.

1. **External Links**:

Click or tap here to enter text.