AFSC/ABL: Eastern Bering Sea (BASIS) Coastal Research on Juvenile Salmon (Zooplankton data)

Theme keywords: 002, Biota, Zooplankton

Abstract: Pacific salmon (Oncorhynchus spp.) runs in rivers that flow into the eastern Bering Sea have been inconsistent and at times very weak. Low returns of chinook (O. tshawytscha) and chum (O. keta) salmon to the Yukon River, Kuskokwim River, and Norton Sound areas of Alaska prompted the state of Alaska to restrict commercial and subsistence fisheries during 2000 and declare the region a fisheries disaster area. Weak salmon returns to these river systems follow several years of low sockeye (O. nerka) salmon returns to Bristol Bay, which was declared a fisheries disaster region during 1998 by both the State of Alaska and the U.S. Department of Commerce. Causes of the poor salmon returns to these river systems are not known however, the regional-scale decline of these stocks indicates that the marine environment may play a critical role. Ocean conditions, particularly in the first few months after the salmon leave fresh water, are known to significantly affect salmon survival (Holtby et al. 1990; Friedland et al. 1996; Beamish and Mahnken 2001). Mechanisms affecting marine survival of the eastern Bering Sea salmon stocks are unknown, principally due to the lack of marine life history information on western Alaska salmon. To improve understanding of the marine life-history stage of salmon in the Bering Sea, the North Pacific Anadromous Fish Commission (NPAFC) began an internationally coordinated research program on salmon in the Bering Sea called the Bering-Aleutian Salmon International Survey (BASIS) (NPAFC 2001). As part of BASIS, scientists from the National Marine Fisheries Service (NMFS), Ocean Carrying Capacity (OCC) program conducted a fall survey on the eastern Bering Sea shelf to provide key ecological data for eastern Bering Sea salmon stocks during their juvenile life-history stage. The goal of the OCC/BASIS salmon research cruise was to understand mechanisms underlying the effects of environment on distribution, migration, and growth of juvenile salmon on the eastern Bering Sea shelf. Primary objectives of BASIS include: 1) to determine the extent of offshore migrations of juvenile salmon from rivers draining into the eastern Bering Sea, 2) to describe the physical environment of the eastern and northeastern Bering Sea shelf occupied by juvenile salmon, and 3) to collect biological information on other ecologically important species. Summaries of previous Bering Sea juvenile salmon research cruises can be found in Farley et al. (1999, 2000, 2001, 2002, 2004, 2005).

FGDC, ESRI, and Biological Profile Metadata:

- Identification Information
- Data Quality Information
- Entity and Attribute Information
- Distribution Information
- Metadata Reference Information

Metadata elements shown with **blue** text are defined in the Federal Geographic Data Committee's (FGDC) *Content Standard for Digital Geospatial Metadata (CSDGM)*. Elements shown with **green** text are defined in the *ESRI Profile of the CSDGM.* Elements shown with **brown** text are defined in the *NBII Biological Profile of the CSDGM.* Elements shown with a green asterisk (*****) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC

elements are mandatory; these are shown with gray text.

Identification Information:

Citation:
Citation information:
Originators: Edward V. Farley, AFSC

Title:
AFSC/ABL: Eastern Bering Sea (BASIS) Coastal Research on Juvenile Salmon (Zooplankton data)

Publication date: Unknown
Geospatial data presentation form: maps and data

Series information:
Series name: North Pacific Anadromous Fish Commision
Issue identification: 2006

Publication information:
Publication place: Juneau, AK
Publisher: Auke Bay Laboratory, Alaska Fisheries Science Center, NMFS, NOAA

Description:
Abstract:
Pacific salmon (Oncorhynchus spp.) runs in rivers that flow into the eastern Bering Sea have been inconsistent and at times very weak. Low returns of chinook (O. tshawytscha) and chum (O. keta) salmon to the Yukon River, Kuskokwim River, and Norton Sound areas of Alaska prompted the state of Alaska to restrict commercial and subsistence fisheries during 2000 and declare the region a fisheries disaster area. Weak salmon returns to these river systems follow several years of low sockeye (O. nerka) salmon returns to Bristol Bay, which was declared a fisheries disaster region during 1998 by both the State of Alaska and the U.S. Department of Commerce. Causes of the poor salmon returns to these river systems are not known however, the regional-scale decline of these stocks indicates that the marine environment may play a critical role. Ocean conditions, particularly in the first few months after the salmon leave fresh water, are known to
significantly affect salmon survival (Holtby et al. 1990; Friedland et al. 1996; Beamish and Mahnken 2001). Mechanisms affecting marine survival of the eastern Bering Sea salmon stocks are unknown, principally due to the lack of marine life history information on western Alaska salmon. To improve understanding of the marine life-history stage of salmon in the Bering Sea, the North Pacific Anadromous Fish Commission (NPAFC)
began an internationally coordinated research program on salmon in the Bering Sea called the Bering-Aleutian Salmon International Survey (BASIS) (NPAFC 2001). As part of BASIS, scientists from the National Marine

Fisheries Service (NMFS), Ocean Carrying Capacity (OCC) program conducted a fall survey on the eastern Bering Sea shelf to provide key ecological data for eastern Bering Sea salmon stocks during their juvenile life-history stage. The goal of the OCC/BASIS salmon research cruise was to understand mechanisms underlying the effects of environment on distribution, migration, and growth of juvenile salmon on the eastern Bering Sea shelf. Primary objectives of BASIS include:

1) to determine the extent of offshore migrations of juvenile salmon from rivers draining into the eastern Bering Sea, 2) to describe the physical environment of the eastern and northeastern Bering Sea shelf occupied by juvenile salmon, and 3) to collect biological information on other ecologically important species. Summaries of previous Bering Sea juvenile salmon research cruises can be found in Farley et al. (1999, 2000, 2001, 2002, 2004, 2005).

Purpose:
This data base provides the zooplankton information collected during the BASIS cruises.

Time period of content:
Time period information:
Range of dates/times:
Beginning date: 1999
Ending date: 2008

Currentness reference:
ground condition

Status:
Progress: In work
Maintenance and update frequency: Annually

Spatial domain:
Description of geographic extent:
Bering Sea

Bounding coordinates:
West bounding coordinate: -179.73
East bounding coordinate: -157.814
North bounding coordinate: 68.05217
South bounding coordinate: 51.31983

Keywords:
Theme:
Theme keywords: 002, Biota
Theme keyword thesaurus: ISO 19115 Topic Categories

Theme:
    Theme keywords: Zooplankton
    Theme keyword thesaurus: None

Place:
    Place keywords: Alaska, Bering Sea
    Place keyword thesaurus: Geographic Names Information System

Place:
    Place keywords: AK
    Place keyword thesaurus: none

Taxonomy:
  Keywords/taxon:
    Taxonomic keywords: collection, multiple species, invertebrates
    Taxonomic keyword thesaurus: None

  Taxonomic classification:
    Taxon rank name: Empire
    Taxon rank value: Biovitae
    Applicable common names: Carbon-based lifeforms

    Taxonomic classification:
      Taxon rank name: Kingdom
      Taxon rank value: Animalia

      Taxonomic classification:
        Taxon rank name: Phylum
        Taxon rank value: Annelida
        Applicable common names: annelids

        Taxonomic classification:
          Taxon rank name: Class
          Taxon rank value: Polychaeta
          Applicable common names: polychaetes

          Taxonomic classification:
            Taxon rank name: Subclass
            Taxon rank value: Palpata

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Aciculata

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Phyllodocida

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Polynoidae

Taxonomic classification:
    Taxon rank name: Phylum
    Taxon rank value: Arthropoda

Taxonomic classification:
    Taxon rank name: Subphylum
    Taxon rank value: Crustacea

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Branchiopoda

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Phyllopoda

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Diplostraca

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Cladocera
    Applicable common names: puces d'eau

Taxonomic classification:
    Taxon rank name: Infraorder
    Taxon rank value: Anomopoda

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Bosminidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Bosmina

Taxonomic classification:
    Taxon rank name: Infraorder
    Taxon rank value: Onychopoda

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Podonidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Evadne

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Malacostraca

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Eumalacostraca

Taxonomic classification:
    Taxon rank name: Superorder
    Taxon rank value: Eucarida

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Decapoda
    Applicable common names: shrimp

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Dendrobranchiata

Taxonomic classification:
    Taxon rank name: Superfamily
    Taxon rank value: Penaeoidea

    Taxonomic classification:
        Taxon rank name: Family
        Taxon rank value: Penaeidae
        Applicable common names: penaeid shrimps

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Pleocyemata

    Taxonomic classification:
        Taxon rank name: Infraorder
        Taxon rank value: Anomura

        Taxonomic classification:
            Taxon rank name: Superfamily
            Taxon rank value: Paguroidea

            Taxonomic classification:
                Taxon rank name: Family
                Taxon rank value: Paguridae
                Applicable common names: right-handed hermit crabs

Taxonomic classification:
    Taxon rank name: Infraorder
    Taxon rank value: Brachyura
    Applicable common names: true crabs

    Taxonomic classification:
        Taxon rank name: Superfamily
        Taxon rank value: Cancroidea

        Taxonomic classification:
            Taxon rank name: Family
            Taxon rank value: Atelecyclidae
            Applicable common names: horse crabs

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Cancridae
 Applicable common names: rock crabs

Taxonomic classification:
 Taxon rank name: Superfamily
 Taxon rank value: Majoidea

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Oregoniidae

Taxonomic classification:
 Taxon rank name: Genus
 Taxon rank value: Chionoecetes

Taxonomic classification:
 Taxon rank name: Genus
 Taxon rank value: Hyas

Taxonomic classification:
 Taxon rank name: Superfamily
 Taxon rank value: Pinnotheroidea

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Pinnotheridae
 Applicable common names: pea crabs

Taxonomic classification:
 Taxon rank name: Infraorder
 Taxon rank value: Caridea

Taxonomic classification:
 Taxon rank name: Superfamily
 Taxon rank value: Alpheoidea

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Hippolytidae

Taxonomic classification:
  Taxon rank name: Superfamily
  Taxon rank value: Crangonoidea

  Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Crangonidae

    Taxonomic classification:
      Taxon rank name: Genus
      Taxon rank value: Argis

      Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Argis lar
        Applicable common names: kuro shrimp

    Taxonomic classification:
      Taxon rank name: Genus
      Taxon rank value: Crangon

      Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Crangon dalli
        Applicable common names: ridged crangon

    Taxonomic classification:
      Taxon rank name: Genus
      Taxon rank value: Neocrangon

      Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Neocrangon communis
        Applicable common names: twospine crangon

    Taxonomic classification:

Taxon rank name: Genus
Taxon rank value: Paracrangon

Taxonomic classification:
Taxon rank name: Superfamily
Taxon rank value: Pandaloidea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Pandalidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Pandalus

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Euphausiacea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Euphausiidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Euphausia

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Euphausia pacifica

Taxonomic classification:
Taxon rank name: Superorder
Taxon rank value: Peracarida

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Amphipoda
Applicable common names: amphipods

Taxonomic classification:

Taxon rank name: Suborder
Taxon rank value: Caprellidea
Applicable common names: whale lice

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Gammaridea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Ampeliscidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Ampelisca

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Cyphocarididae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Cyphocaris

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Cyphocaris challengeri

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Dexaminidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Atylus

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Gammaridae

Taxonomic classification:

Taxon rank name: Genus
Taxon rank value: Gammarus

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Isaeidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Protomedeia

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Ischyroceridae

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Lysianassidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Orchomene

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Oedicerotidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Acanthostepheia

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Aceroides

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Monoculodes

Taxonomic classification:
    Taxon rank name: Family

Taxon rank value: Podoceridae

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Uristidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Anonyx

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Hyperiidea
    Applicable common names: hyperiideans

    Taxonomic classification:
        Taxon rank name: Infraorder
        Taxon rank value: Physocephalata

        Taxonomic classification:
            Taxon rank name: Superfamily
            Taxon rank value: Phronimoidea

            Taxonomic classification:
                Taxon rank name: Family
                Taxon rank value: Hyperiidae

                Taxonomic classification:
                    Taxon rank name: Genus
                    Taxon rank value: Hyperia

                    Taxonomic classification:
                        Taxon rank name: Species
                        Taxon rank value: Hyperia galba

                    Taxonomic classification:
                        Taxon rank name: Species
                        Taxon rank value: Hyperia medusarum

                  Taxonomic classification:

Taxon rank name: Genus
Taxon rank value: Hyperoche

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Hyperoche medusarum

Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Themisto

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Themisto libellula

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Themisto pacifica

Taxonomic classification:
  Taxon rank name: Family
  Taxon rank value: Phrosinidae

Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Primno

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Primno macropa

Taxonomic classification:
  Taxon rank name: Order
  Taxon rank value: Cumacea
  Applicable common names: cumaceans

Taxonomic classification:
  Taxon rank name: Family
  Taxon rank value: Diastylidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Diastylis

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Diastylis alaskensis

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Lampropidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Lamprops

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Leuconidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Eudorellopsis

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Leucon

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Isopoda
Applicable common names: sowbugs

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Lophogastrida
Applicable common names: opossum shrimp

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Mysida

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Mysidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Acanthomysis

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Acanthomysis stelleri

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Alienacanthomysis

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Alienacanthomysis macropsis

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Disacanthomysis

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Disacanthomysis dybowskii

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Exacanthomysis

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Exacanthomysis alaskensis

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Mysis

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Mysis litoralis

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Neomysis

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Neomysis mercedis

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Neomysis rayii

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Pacifacanthomysis

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pacifacanthomysis nephrophthalma

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Pseudomma

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pseudomma truncatum

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Xenacanthomysis

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Xenacanthomysis pseudomacropsis

Taxonomic classification:

Taxon rank name: Class
Taxon rank value: Maxillopoda

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Copepoda
    Applicable common names: copepods

    Taxonomic classification:
        Taxon rank name: Infraclass
        Taxon rank value: Neocopepoda

        Taxonomic classification:
            Taxon rank name: Superorder
            Taxon rank value: Gymnoplea

            Taxonomic classification:
                Taxon rank name: Order
                Taxon rank value: Calanoida

                Taxonomic classification:
                    Taxon rank name: Family
                    Taxon rank value: Acartiidae

                    Taxonomic classification:
                        Taxon rank name: Genus
                        Taxon rank value: Acartia

                        Taxonomic classification:
                            Taxon rank name: Species
                            Taxon rank value: Acartia clausi

                        Taxonomic classification:
                            Taxon rank name: Species
                            Taxon rank value: Acartia longiremis

                        Taxonomic classification:
                            Taxon rank name: Species
                            Taxon rank value: Acartia tumida

                        Taxonomic classification:

Taxon rank name: Family
Taxon rank value: Aetideidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Bradyidius

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Bradyidius saanichi

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Gaetanus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Gaetanus intermedius

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Gaidius

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Augaptilidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Augaptilus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Augaptilus depressus

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Calanidae

Taxonomic classification:
Taxon rank name: Genus

Taxon rank value: Calanus

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Calanus marshallae

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Calanus pacificus

Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Mesocalanus

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Mesocalanus tenuicornis

Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Neocalanus

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Neocalanus cristatus

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Neocalanus flemingeri

Taxonomic classification:
  Taxon rank name: Species
  Taxon rank value: Neocalanus plumchrus

Taxonomic classification:
  Taxon rank name: Family
  Taxon rank value: Centropagidae

Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Centropages

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Centropages abdominalis

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Clausocalanidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Clausocalanus

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Microcalanus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Microcalanus pygmaeus

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Pseudocalanus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pseudocalanus minutus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pseudocalanus newmani

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Eucalanidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Eucalanus

Taxonomic classification:
 Taxon rank name: Species
 Taxon rank value: Eucalanus bungii

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Euchaetidae

Taxonomic classification:
 Taxon rank name: Genus
 Taxon rank value: Paraeuchaeta

Taxonomic classification:
 Taxon rank name: Species
 Taxon rank value: Paraeuchaeta elongata

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Heterorhabdidae

Taxonomic classification:
 Taxon rank name: Genus
 Taxon rank value: Heterorhabdus

Taxonomic classification:
 Taxon rank name: Species
 Taxon rank value: Heterorhabdus tanneri

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Lucicutiidae

Taxonomic classification:
 Taxon rank name: Genus
 Taxon rank value: Lucicutia

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Metridinidae

Taxonomic classification:

Taxon rank name: Genus
Taxon rank value: Metridia

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Metridia pacifica

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Pleuromamma

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pleuromamma scutullata

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Paracalanidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Paracalanus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Paracalanus parvus

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Pontellidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Epilabidocera

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Epilabidocera amphitrites

Taxonomic classification:
    Taxon rank name: Species

Taxon rank value: Epilabidocera longipedata

Taxonomic classification:
  Taxon rank name: Superorder
  Taxon rank value: Podoplea

  Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Cyclopoida

    Taxonomic classification:
      Taxon rank name: Family
      Taxon rank value: Oithonidae

      Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Oithona

        Taxonomic classification:
          Taxon rank name: Species
          Taxon rank value: Oithona atlantica

        Taxonomic classification:
          Taxon rank name: Species
          Taxon rank value: Oithona nana

        Taxonomic classification:
          Taxon rank name: Species
          Taxon rank value: Oithona similis

        Taxonomic classification:
          Taxon rank name: Species
          Taxon rank value: Oithona spinirostris

    Taxonomic classification:
      Taxon rank name: Order
      Taxon rank value: Harpacticoida

      Taxonomic classification:
        Taxon rank name: Family
        Taxon rank value: Ectinosomatidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Microsetella

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Peltidiidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Alteutha

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Alteutha depressa

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Monstrilloida

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Monstrillidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Monstrilla

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Poecilostomatoida

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Corycaeidae

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Oncaeidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Oncaea

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Thecostraca

Taxonomic classification:
    Taxon rank name: Infraclass
    Taxon rank value: Cirripedia
    Applicable common names: bernacles

Taxonomic classification:
    Taxon rank name: Superorder
    Taxon rank value: Thoracica

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Sessilia

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Balanomorpha

Taxonomic classification:
    Taxon rank name: Superfamily
    Taxon rank value: Balanoidea

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Balanidae

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Ostracoda

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Myodocopa

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Halocyprida

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Halocypridina

Taxonomic classification:
    Taxon rank name: Superfamily
    Taxon rank value: Halocypridoidea

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Halocyprididae

Taxonomic classification:
    Taxon rank name: Subfamily
    Taxon rank value: Conchoecinae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Conchoecia

Taxonomic classification:
    Taxon rank name: Subphylum
    Taxon rank value: Hexapoda

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Insecta
    Applicable common names: insectes

Taxonomic classification:
    Taxon rank name: Phylum
    Taxon rank value: Chaetognatha
    Applicable common names: chaetognaths

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Sagittoidea

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Phragmophora

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Eukrohniidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Eukrohnia

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Eukrohnia hamata

Taxonomic classification:
    Taxon rank name: Phylum
    Taxon rank value: Chordata

Taxonomic classification:
    Taxon rank name: Subphylum
    Taxon rank value: Tunicata

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Appendicularia

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Copelata

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Fritillaridae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Fritillaria

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Fritillaria borealis

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Oikopleuridae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Oikopleura

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Oikopleura vanhoeffeni

Taxonomic classification:
    Taxon rank name: Subphylum
    Taxon rank value: Vertebrata

Taxonomic classification:
    Taxon rank name: Superclass
    Taxon rank value: Osteichthyes

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Actinopterygii

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Neopterygii

Taxonomic classification:
    Taxon rank name: Infraclass
    Taxon rank value: Teleostei

Taxonomic classification:
    Taxon rank name: Superorder
    Taxon rank value: Acanthopterygii

Taxonomic classification:

Taxon rank name: Order
Taxon rank value: Gasterosteiformes

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Gasterosteoidei

    Taxonomic classification:
        Taxon rank name: Family
        Taxon rank value: Gasterosteidae

        Taxonomic classification:
            Taxon rank name: Genus
            Taxon rank value: Gasterosteus

            Taxonomic classification:
                Taxon rank name: Species
                Taxon rank value: Gasterosteus aculeatus
                Applicable common names: threespine stickleback

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Perciformes

    Taxonomic classification:
        Taxon rank name: Suborder
        Taxon rank value: Trachinoidei

        Taxonomic classification:
            Taxon rank name: Family
            Taxon rank value: Ammodytidae

            Taxonomic classification:
                Taxon rank name: Genus
                Taxon rank value: Ammodytes

                Taxonomic classification:
                    Taxon rank name: Species
                    Taxon rank value: Ammodytes

hexapterus
Applicable common names: Pacific
sand lance

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Zoarcoidei

    Taxonomic classification:
        Taxon rank name: Family
        Taxon rank value: Bathymasteridae

        Taxonomic classification:
            Taxon rank name: Genus
            Taxon rank value: Bathymaster

            Taxonomic classification:
                Taxon rank name: Species
                Taxon rank value: Bathymaster
                signatus
                Applicable common names: searcher

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Pleuronectiformes

    Taxonomic classification:
        Taxon rank name: Suborder
        Taxon rank value: Pleuronectoidei

        Taxonomic classification:
            Taxon rank name: Family
            Taxon rank value: Pleuronectidae
            Applicable common names: righteyed flounders

            Taxonomic classification:
                Taxon rank name: Subfamily
                Taxon rank value: Pleuronectinae

                Taxonomic classification:
                    Taxon rank name: Tribe

Taxon rank value: Isopsettini

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Isopsetta

Taxonomic classification:
Taxon rank name: Species
Taxon rank value:
Isopsetta isolepis
**Applicable common
names:** butter sole

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Scorpaeniformes

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Cottoidei

Taxonomic classification:
Taxon rank name: Superfamily
Taxon rank value: Cottoidea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Agonidae
Applicable common names: sea poachers

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Cottidae
Applicable common names: scaleless
sculpins

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Hemilepidotus

Taxonomic classification:

Taxon rank name: Species
Taxon rank value:
Hemilepidotus hemilepidotus
Applicable common names: red
Irish lord

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Leptocottus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Leptocottus
armatus
Applicable common names:
charrasco de astas

Taxonomic classification:
Taxon rank name: Superfamily
Taxon rank value: Cyclopteroidea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Cyclopteridae
Applicable common names: poules de mer

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Hexagrammoidei

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Hexagrammidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Hexagrammos

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hexagrammos

lagocephalus
Applicable common names: rock greenling

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hexagrammos octogrammus
Applicable common names: masked greenling

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hexagrammos stelleri
Applicable common names: whitespotted greenling

Taxonomic classification:
Taxon rank name: Superorder
Taxon rank value: Paracanthopterygii

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Lophiiformes

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Ogcocephalioidei

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Osmeriformes

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Osmeroidei

Taxonomic classification:
Taxon rank name: Superfamily
Taxon rank value: Osmeroidea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Osmeridae
Applicable common names: éperlans

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Mallotus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Mallotus villosus
Applicable common names: capelan

Taxonomic classification:
Taxon rank name: Superorder
Taxon rank value: Protacanthopterygii

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Osmeriformes

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Osmeroidei

Taxonomic classification:
Taxon rank name: Superfamily
Taxon rank value: Osmeroidea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Osmeridae
Applicable common names: éperlans

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Mallotus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Mallotus villosus
Applicable common names: capelan

Taxonomic classification:
Taxon rank name: Superorder
Taxon rank value: Scopelomorpha

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Myctophiformes

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Myctophidae
Applicable common names: lanternfishes

Taxonomic classification:
Taxon rank name: Phylum
Taxon rank value: Cnidaria
Applicable common names: cnidarians

Taxonomic classification:
Taxon rank name: Class
Taxon rank value: Hydrozoa

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Hyroida

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Leptomedusae

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Campanulinidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Cuspidella

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: mertensi

Taxonomic classification:
Taxon rank name: Subclass
Taxon rank value: Hydroidolina

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Anthoathecatae
Applicable common names: hydromedusae

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Capitata

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Corymorphidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Euphysa

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Euphysa flammea

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Corynidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Coryne

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Coryne principes

Taxonomic classification:
    Taxon rank name: Suborder
    Taxon rank value: Filifera

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Bougainvilliidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Bougainvillia

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Bougainvillia superciliaris

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Perigonimus

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Leptothecatae

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Aequoreidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Aequorea

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Campanulariidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Obelia

    Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Obelia longissima

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Eirenidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Eirene

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Eirene indicans

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Melicertidae

    Taxonomic classification:
        Taxon rank name: Genus
        Taxon rank value: Melicertum

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Melicertum octocostatum

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Siphonophorae

    Taxonomic classification:
        Taxon rank name: Suborder
        Taxon rank value: Calycophorae

        Taxonomic classification:

Taxon rank name: Family
Taxon rank value: Diphyidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Dimophyes

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Dimophyes arctica

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Limnomedusae

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Olindiidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Gonionemus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Gonionemus vertens
Applicable common names: clinging jellyfish

Taxonomic classification:
Taxon rank name: Subclass
Taxon rank value: Trachylina

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Narcomedusae

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Narcomedusida

Taxonomic classification:

Taxon rank name: Family
Taxon rank value: Aeginidae

Taxonomic classification:
    Taxon rank name: Genus
    Taxon rank value: Aegina

    Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Aegina rosea

Taxonomic classification:
    Taxon rank name: Order
    Taxon rank value: Trachymedusae

    Taxonomic classification:
        Taxon rank name: Family
        Taxon rank value: Rhopalonematidae

        Taxonomic classification:
            Taxon rank name: Genus
            Taxon rank value: Aglantha

            Taxonomic classification:
                Taxon rank name: Species
                Taxon rank value: Aglantha digitale
                Applicable common names: pink helmet

Taxonomic classification:
    Taxon rank name: Subphylum
    Taxon rank value: Medusozoa

Taxonomic classification:
    Taxon rank name: Class
    Taxon rank value: Scyphozoa

Taxonomic classification:
    Taxon rank name: Subclass
    Taxon rank value: Discomedusae

Taxonomic classification:

Taxon rank name: Order
Taxon rank value: Semaeostomeae

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Cyaneidae

 Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Cyanea

  Taxonomic classification:
   Taxon rank name: Species
   Taxon rank value: Cyanea capillata
   Applicable common names: lion's mane

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Pelagiidae

 Taxonomic classification:
  Taxon rank name: Genus
  Taxon rank value: Chrysaora

  Taxonomic classification:
   Taxon rank name: Species
   Taxon rank value: Chrysaora melanaster

Taxonomic classification:
 Taxon rank name: Family
 Taxon rank value: Ulmaridae

 Taxonomic classification:
  Taxon rank name: Subfamily
  Taxon rank value: Aureliinae

  Taxonomic classification:
   Taxon rank name: Genus
   Taxon rank value: Aurelia

   Taxonomic classification:

Taxon rank name: Species
Taxon rank value: Aurelia aurita
Applicable common names: moon jelly

Taxonomic classification:
Taxon rank name: Phylum
Taxon rank value: Ctenophora

Taxonomic classification:
Taxon rank name: Class
Taxon rank value: Nuda

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Beroida

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Beroidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Beroe

Taxonomic classification:
Taxon rank name: Phylum
Taxon rank value: Echinodermata
Applicable common names: echinoderms

Taxonomic classification:
Taxon rank name: Subphylum
Taxon rank value: Eleutherozoa

Taxonomic classification:
Taxon rank name: Superclass
Taxon rank value: Asterozoa

Taxonomic classification:
Taxon rank name: Class
Taxon rank value: Asteroidea
Applicable common names: starfishes

Taxonomic classification:
    Taxon rank name: Superclass
    Taxon rank value: Cryptosyringida

    Taxonomic classification:
        Taxon rank name: Class
        Taxon rank value: Ophiuroidea
        Applicable common names: brittlestars

        Taxonomic classification:
            Taxon rank name: Order
            Taxon rank value: Ophiurida

            Taxonomic classification:
                Taxon rank name: Suborder
                Taxon rank value: Chilophiurina

                Taxonomic classification:
                    Taxon rank name: Family
                    Taxon rank value: Ophiuridae

                    Taxonomic classification:
                        Taxon rank name: Genus
                        Taxon rank value: Ophiura

Taxonomic classification:
    Taxon rank name: Phylum
    Taxon rank value: Ectoprocta
    Applicable common names: moss animals

Taxonomic classification:
    Taxon rank name: Phylum
    Taxon rank value: Mollusca

    Taxonomic classification:
        Taxon rank name: Class
        Taxon rank value: Bivalvia
        Applicable common names: clams

    Taxonomic classification:

Taxon rank name: Class
Taxon rank value: Cephalopoda
Applicable common names: squids

Taxonomic classification:
Taxon rank name: Class
Taxon rank value: Gastropoda

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Thecosomata

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Cymbuliidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Corolla

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Limacinidae

Taxonomic classification:
Taxon rank name: Genus
Taxon rank value: Limacina

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Limacina helicina
Applicable common names: helicid pteropod

Taxonomic classification:
Taxon rank name: Subclass
Taxon rank value: Opisthobranchia

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Gymnosomata

Taxonomic classification:
>   **Taxon rank name:** Family
>   **Taxon rank value:** Clionidae

Taxonomic classification:
>   **Taxon rank name:** Genus
>   **Taxon rank value:** Clione

Taxonomic classification:
>   **Taxon rank name:** Species
>   **Taxon rank value:** Clione limacina

Taxonomic classification:
>   **Taxon rank name:** Phylum
>   **Taxon rank value:** Nemata
>   **Applicable common names:** threadworms

Taxonomic classification:
>   **Taxon rank name:** Phylum
>   **Taxon rank value:** Nemertea
>   **Applicable common names:** ribbon worms

Access constraints: Applicant must sign a Statement of Nondisclosure prior to receiving access to confidential information. Contact the Point of Contact for this Statement of Nondisclosure. The Data set is still being analyzed and will not be available for distribution until it has been finalized and all QA/QC practices have been performed. Contact the Data Point of Contact for estimated time of release.

Use constraints:
>   User must read and fully comprehend the metadata prior to use. Data should not be used beyond the limits of the source scale. Acknowledgement of NOAA, as the source from which these data were obtained, in any publications and/or other representations of these data is suggested.

Point of contact:
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>>>   **Contact organization:** National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)

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Data set credit:
Pacific Scientific Research Fisheries Centre (TINRO);
North Pacific Anadromous Fish Commission;
University of Alaska, Fairbanks

Native data set environment:
Microsoft Access Database

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Data Quality Information:

Logical consistency report:
No logical consistency test were run.

Completeness report:
none

Lineage:
Process step:
Process description:
No process steps have been described for this data set

Process date: Unknown

Entity and Attribute Information:

Detailed description:
Entity type:
Entity type label: ARCHIVE_ZoopTowHeader_ALL
Entity type definition:
Tow Header info for all samples (except JUDAY); includes samples that were collected for non-quantitative uses such as stable isotopes and energetics.
Entity type definition source:
AFSC

Attribute:
Attribute label: ERROR
Attribute definition:
See Key_ERROR in Tables section
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Zoop_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + Zoop_Cast_Code (1 digit). See Key_ZoopID for Zoop_Cast_Code definitions.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Station_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: CTD_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + CTD cast (1 digit). Generally, the second cast (i.e. CTD cast (2)) is used.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date
Attribute definition:
Date of zooplankton cast. AKLocal sampling date - Alaska Daylight date. Consult logs for missing data
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Time
Attribute definition:
Time of zooplankton cast. AKLocal sampling date - Alaska Daylight date. Consult logs for missing data
Attribute definition source:
AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Dark/ Light
 Attribute definition:
  At time of tow was the sky dark or light
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Gear
 Attribute definition:
  Bongo 150; Bongo 335; Bongo 505; PairoVET 150; Tucker 505
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Tow type
 Attribute definition:
  oblique, vertical, or surface
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Collector
 Attribute definition:
  Person on board responsible for zooplankton collections

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Descent
Attribute definition:
time (seconds) it took net to descend to Depth of Tow (m)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Bottom
Attribute definition:
time (seconds) net remained stationary at bottom
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Ascent
Attribute definition:
time (seconds) it took net to ascend to surface
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Duration of Tow (sec)
Attribute definition:
total time of tow (seconds).   Note: For vertical tows duration of tow equals ascent
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: MWO (meters of wire out)
Attribute definition:
Total length of wire let out
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Wire Angle
Attribute definition:
Angle of wire off of horizontal; used for Calculated Depth of Tow (m)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Calculated Depth of Tow (m)
Attribute definition:
Calculated using MWO and Wire Angle
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Depth of Tow from Data Logger (m)

Attribute definition:

This is taken from either a data logger or SeaCat CTD

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Depth of Tow (m)

Attribute definition:

This is taken either from Calculated Depth of Tow (m) or Depth of Tow from Data Logger (m); Depth of Tow from Data Logger first if available

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Station Depth (m)

Attribute definition:

-no description-

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Flow meter 1 Initial

Attribute definition:

-no description-

Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flow meter 1 Final
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flow meter 2 Initial
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flow meter 2 Final
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: OLD_NO Revolutions

Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: No of Sample Bottles
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: No_of_Sides
Attribute definition:
1 - only one side of the net collected; 2 - both sides of the net collected
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Collected for
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Comments
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Detailed description:
    Entity type:
        Entity type label: EBSZoopAbundanceData
        Entity type definition:
            Bongo and PairoVET Abundance and Biomass (Biomass data available for 2005 until present)
        Entity type definition source:
            AFSC

Attribute:
    Attribute label: Station_ID
    Attribute definition:
        Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Gear
    Attribute definition:
        Common gear name followed by mesh size in microns
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:

No domain defined.

Attribute:
Attribute label: Processing_Num
Attribute definition:
This is a number generated in the lab during sample processing
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NODC_code
Attribute definition:
National Oceanographic Data Center taxonomic code
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:
Scientific name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Current Name
Attribute definition:
Current scientific name
Attribute definition source:
AFSC

Attribute domain values:
  Unrepresentable domain:
    No domain defined.

Attribute:
  Attribute label: Stage
  Attribute definition:
    This field contains additional information on development, maturity, sex, and size
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Abundance
  Attribute definition:
    number/m^3
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Biomass
  Attribute definition:
    grams/m^3 wet weight
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Tow Volume
  Attribute definition:

Volume of water sampled
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: EBSZoopAbundanceData_2001
Entity type definition:
USE WITH CAUTION - ARGUABLY NOT QUANTITATIVE - Flowmeter values were estimated based on bottom depths. Tow volumes were calculated based on estimated flowmeter volumes. Abundance and Biomass values based on all of the aove.
Entity type definition source:
AFSC

Attribute:
Attribute label: Station_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear
Attribute definition:
Common gear name followed by mesh size in microns
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Processing_Num
    Attribute definition:
        This is a number generated in the lab during sample processing
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: NODC_code
    Attribute definition:
        National Oceanographic Data Center taxonomic code
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Species
    Attribute definition:
        Scientific name
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Current Name
    Attribute definition:
        Current scientific name
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Stage
Attribute definition:
This field contains additional information on development, maturity, sex, and size
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Abundance
Attribute definition:
number/m^3
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Biomass
Attribute definition:
grams/m^3 wet weight
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Volume
Attribute definition:
Volume of water sampled
Attribute definition source:

AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
  Entity type:
    Entity type label: EBSZoopAbundanceData_JUDAY
    Entity type definition:
      JUDAY ONLY - Russian collections
    Entity type definition source:
      AFSC

  Attribute:
    Attribute label: CTD_Id
    Attribute definition:
      Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + CTD cast (1 digit)
    Attribute definition source:
      AFSC

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

  Attribute:
    Attribute label: Gear
    Attribute definition:
      Common gear name followed by mesh size in microns
    Attribute definition source:
      AFSC

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

  Attribute:
    Attribute label: Tow Number
    Attribute definition:
      -no description-
    Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:
Scientific name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Current Name
Attribute definition:
Current scientific name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NODC_code
Attribute definition:
National Oceanographic Data Center taxonomic code
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Abundance

Attribute definition:
number/m^3
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Biomass
Attribute definition:
grams/m^3 wet weight
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Size Category
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Stage
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: EBSZoopCountData_1999-2004

Entity type definition:

Raw Count Data - Sorted by Polish Sorting Center

Entity type definition source:

AFSC

Attribute:

Attribute label: Station_ID

Attribute definition:

Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph database

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Zoop_ID

Attribute definition:

-no description-

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Gear

Attribute definition:

Common gear name followed by mesh size in microns

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:
Attribute label: Species (Taxon)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vial
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Count
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Aliquot
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Total
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Comments
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Sex
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: EBSZoopCountData_2005+

Entity type definition:
Raw Count Data - Sorted by UAF Zoop Lab
Entity type definition source:
AFSC

Attribute:
Attribute label: Station_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Processing_Num
Attribute definition:
This is a number generated in the lab during sample processing
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NODC_code
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species

Attribute definition:
Scientific name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: ims_code
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NoPerSamp
Attribute definition:
Number of individuals
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: WtPerSamp
Attribute definition:
Total weight of all individuals for a species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
    Entity type:
        Entity type label: EBSZoopTowHeader
        Entity type definition:
            BONGO Tow Header Data
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Station_ID
        Attribute definition:
            Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: CTD_ID
        Attribute definition:
            Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + CTD cast (1 digit)
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Station
        Attribute definition:
            analogous to Haul in previous naming system (2006 and earlier)
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:

No domain defined.

Attribute:
Attribute label: Processing_Num
Attribute definition:
A number generated during sample processing
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Time - Zoop AKDT
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Time - Ocean AKDT
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Time - Ocean UTC
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date - Ocean UTC
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date/Time - AKDT
Attribute definition:
Alaska Daylight sampling start time (local) taken from CTD cast. Blanks indicate no data available.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Collector
Attribute definition:
Person responsible for field collections
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear
Attribute definition:

Common gear name followed by mesh size in microns
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow type
Attribute definition:
vertical tow; oblique tow
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Depth of Tow (m)
Attribute definition:
Determined from attached Vemco minilog or calculated using the MWO and wire angle
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: MWO (meters of wire out)
Attribute definition:
Number of meters of wire let out
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
> **Attribute label:** Wire Angle
> **Attribute definition:**
>> Determined using inclinometer
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Duration of Tow (sec)
> **Attribute definition:**
>> Total time of tow in seconds
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Flowmeter Final
> **Attribute definition:**
>> Read from flowmeter immediately upon removal from water
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Flowmeter Initial
> **Attribute definition:**
>> Read just prior to tow
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NO Revolutions
Attribute definition:
Flowmeter Final minus Flowmeter Initial
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: EST NO Revolutions
Attribute definition:
2001 ONLY - Actual flowmeter values were lost; Ed Farley used linear regression to estimate NO Revolutions based on Station Depth (m)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Settled Volume (ml)
Attribute definition:
Settled Volume (ml) of zooplankton in sample
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Displacement Volume (ml)
Attribute definition:
Displacement Volume (ml) of zooplankton in sample

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Jelly Volume (ml)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear Diameter (cm)
Attribute definition:
Diameter of hoops on Bongo and PairoVET net frames
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Volume (m3)
Attribute definition:
Calculated using the distance traveled (Flowmeter calculation) and the Gear Diameter (cm)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: EST Tow Volume (m3)
Attribute definition:
2001 ONLY - EST NO Revolutions was used to calculate the EST Tow Volume
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Comments
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Light/Dark
Attribute definition:
At time of sampling was the sky light or dark
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NO_Of_Sides
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Detailed description:
    Entity type:
        Entity type label: EBSZoopTowHeader_JUDAY
        Entity type definition:
            JUDAY Tow Header Data - Russian collections
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Station_ID
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: CTD_ID
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: CTD Date
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:

No domain defined.

Attribute:
> **Attribute label:** Tow Date
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** CTD Latitude
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** CTD Longitude
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Tow Number
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Latitude
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Longitude
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Type
Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Diameter
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Mesh
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Station Depth
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
  Attribute label: Sample Interval
  Attribute definition:
    -no description-
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Detailed description:
  Entity type:
    Entity type label: EBSZoopTowHeader_PAIROVET
    Entity type definition:
      PAIROVET Tow Header Data
    Entity type definition source:
      AFSC

  Attribute:
    Attribute label: Station_ID
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

  Attribute:
    Attribute label: CTD_ID
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Processing_Num
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Date
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Collector
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Gear
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Mesh Size
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow type
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Bottom Depth (m)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Dark/ Light
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tow Depth (m)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Wire Angle
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Duration of Tow (sec)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flowmeter1 Initial

Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flowmeter1 Final
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flowmeter1 Count
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Flowmeter2 Initial
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
> **Attribute label:** Flowmeter2 Final
> **Attribute definition:**
>> -no description-
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Flowmeter2 Count
> **Attribute definition:**
>> -no description-
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Settled Volume (ml)
> **Attribute definition:**
>> -no description-
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Displacement Volume (ml)
> **Attribute definition:**
>> -no description-
>
> **Attribute definition source:**
>> AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Jelly Volume (ml)
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Gear Diameter (cm)
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Tow Volume (m3)
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Number of Sides
    Attribute definition:
        -no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Comments
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Key_ERROR
Entity type definition:
Desciption of ERROR field; Note: this has not been consistently used and is very subjective.
Entity type definition source:
AFSC

Attribute:
Attribute label: ERROR
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Description
Attribute definition:
-no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Use Data for Tow?
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Key_VesselCode
Entity type definition:
Description of VesselCode; used in Station_ID, Zoop_ID, and CTD_ID
Entity type definition source:
AFSC

Attribute:
Attribute label: VesselCode
Attribute definition:
Vessel code is located in 5th digit position in StationID column, which is a concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + CTD (3 digits) + Cast (0 or 1 digits).
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vessel
Attribute definition:

Shorthand name for vessel used in Station_Information table.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: VesselName
Attribute definition:
Full name of vessel used for research cruise.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Key_ZoopID
Entity type definition:
Description of last digit used in Zoop_ID
Entity type definition source:
AFSC

Attribute:
Attribute label: Zoop_Cast_Code
Attribute definition:
Last digit in Zoop_ID
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear
Attribute definition:

Description of gear type and mesh size
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Description
Attribute definition:
Description of Zoop_Cast_Code
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Additional Information
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: NWE2002BongoCatchData
Entity type definition:
Raw Count Data - Sorted by Polish Sorting Center
Entity type definition source:
AFSC

Attribute:
Attribute label: Zoop_ID
Attribute definition:

Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + Cast code (1 digit). Cast code: 1 & 2 = Bongo 505, 3 & 4 = Bongo 335, 5 & 6 = Pairovet 150, 7 = Tucker

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Station_ID
Attribute definition:
Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits).
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Gear
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species (Taxon)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
 Attribute label: Vial
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Count
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Aliquot
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Total
 Attribute definition:
  Count Total
 Attribute definition source:
  AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Comments
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Sex
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
    Entity type label: Station_Information
    Entity type definition:
        CENTRAL TABLE linked to most others: year, vessel, station #, date/time, location, depth, comments
    Entity type definition source:
        AFSC

Attribute:
    Attribute label: CTD_ID
    Attribute definition:
        Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) + CTD cast (1 digit)
    Attribute definition source:
        AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Station_ID
    Attribute definition:
        Concatenation of Year (4 digits) + VesselCode (1 digit) + Station (3 digits) - shared search term between Fish, Zooplankton, Oceanography, and Thermosalinograph databases
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Year
    Attribute definition:
        Year of sampling
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Vessel
    Attribute definition:
        GP = Great Pacific, OD = Oscar Dyson, NWE = Northwest Explorer, SS = Sea Storm
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Station
    Attribute definition:

analogous to Haul in previous naming system (2006 and earlier)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date_AKDT
Attribute definition:
Local sampling date - Alaska Daylight date
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: StartTime_AKDT
Attribute definition:
Alaska Daylight sampling start time (local). Blanks indicate no data available. Note: 2007 start time data came from time stamp on CTD hex files. If blank, no data
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date_AKDT_Julian
Attribute definition:
Alaska Daylight date and time in Julian (i.e. 365 days per year) format
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Date_UTC
    Attribute definition:
        UTC (= GMT) sampling date. Note that UTC is +8 hours from AKDT.
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: StartTime_UTC
    Attribute definition:
        UTC (= GMT) sampling start time. Blanks indicate no data available. If blank no data
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Date_UTC_Julian
    Attribute definition:
        UTC (=GMT) date and time in Julian (i.e. 365 days per year) format
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Latitude_DD
    Attribute definition:
        decimal degrees
    Attribute definition source:
        AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Longitude_DD
    Attribute definition:
        decimal degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: LatDomain
    Attribute definition:
        rounded Latitude_DD (give parameters for each year)
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: LongDomain
    Attribute definition:
        rounded Longitude_DD (give parameters for each year)
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: DepthDomain
    Attribute definition:
        See DepthDomain_Key table

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: StationDepth
Attribute definition:
meters, 1001 means >1000m (NOTE: bottom depths for 2003 are incorrect as of 2/5/09 - see Jim Murphy for corrections)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: SecchiDepth
Attribute definition:
Secchi disk depth (m). In 2006 the PAR on Sea storm was bad, used secchi disk
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: CTDcast
Attribute definition:
Consective CTD cast number for each station. Zero (0) means no CTD cast was done at that station. Note: when 2 casts are taken at a station, #2 is usually where water was collected. In general, use row 2 for data sharing.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:
Attribute label: CTD_Type
Attribute definition:
type of Seabird CTD used for cast
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Domain
Attribute definition:
See Domain_Key table
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: PycnoclineDepth
Attribute definition:
meters
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: FluorMaxDepth
Attribute definition:
meters
Attribute definition source:
AFSC

Attribute domain values:
   Unrepresentable domain:
      No domain defined.

Attribute:
   Attribute label: OldHaulID
   Attribute definition:
      Old format: Year + Haul: 9 before year indicates Hauls on NWE. In '06 a 1 after year indicates Sea Storm and 2 is Northwest Explorer. 1 or 2 after Haul # indicates sequential casts. Note Haul # renamed as Station # in StationID.
   Attribute definition source:
      AFSC

Attribute domain values:
   Unrepresentable domain:
      No domain defined.

Attribute:
   Attribute label: Weather
   Attribute definition:
      description of weather during station sampling
   Attribute definition source:
      AFSC

Attribute domain values:
   Unrepresentable domain:
      No domain defined.

Attribute:
   Attribute label: Comments
   Attribute definition:
      -no description-
   Attribute definition source:
      AFSC

Attribute domain values:
   Unrepresentable domain:
      No domain defined.

Detailed description:

Entity type:
    Entity type label: Summary_Sample_Information
    Entity type definition:
        Status and types of samples being processed.
    Entity type definition source:
        AFSC

Attribute:
    Attribute label: Year
    Attribute definition:
        Sampling Year
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Sorted By
    Attribute definition:
        Person or organization responsible for identifying and enumerating zooplankton samples
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Bongo505
    Attribute definition:
        Sampled that year
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:

Attribute label: Entered505
Attribute definition:
Sorting completed?
Attribute definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: False
Enumerated domain value definition:
False
Enumerated domain value definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: True
Enumerated domain value definition:
True
Enumerated domain value definition source:
AFSC

Attribute:
Attribute label: Location
Attribute definition:
Where are the orginal samples stored?
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Bongo335
Attribute definition:
Sampled that year
Attribute definition source:
AFSC

Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Entered335
Attribute definition:
Sorting completed?
Attribute definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: False
Enumerated domain value definition:
False
Enumerated domain value definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: True
Enumerated domain value definition:
True
Enumerated domain value definition source:
AFSC

Attribute:
Attribute label: Location1
Attribute definition:
Where are the orginal samples stored?
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: PairoVET150
Attribute definition:
Sampled that year

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Entered150
Attribute definition:
Sorting completed?
Attribute definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: False
Enumerated domain value definition:
False
Enumerated domain value definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: True
Enumerated domain value definition:
True
Enumerated domain value definition source:
AFSC

Attribute:
Attribute label: Location2
Attribute definition:
Where are the orginal samples stored?
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Tucker505
    Attribute definition:
        Sampled that year
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Location3
    Attribute definition:
        Where are the orginal samples stored?
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: RussianJuday
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: EnteredJuday
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:

Enumerated domain:
Enumerated domain value: False
Enumerated domain value definition:
False
Enumerated domain value definition source:
AFSC

Attribute domain values:
Enumerated domain:
Enumerated domain value: True
Enumerated domain value definition:
True
Enumerated domain value definition source:
AFSC

Attribute:
Attribute label: Additional Notes
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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Distribution Information:

Distributor:
Contact information:
Contact person primary:
Contact person: Ed Farley
Contact organization: National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)

Contact address:
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City: Juneau
State or province: AK
Postal code: 99801
Country: USA

Contact voice telephone: 907-789-6000
Contact facsimile telephone: 907-789-6094

Contact electronic mail address: ed.farley@noaa.gov

Contact instructions:
The e-mail address directs you to the person most knowledgeable about this data. If an alternative contact person becomes necessary, use the voice phone number for referral.

Resource description: Offline data

Distribution liability:
The user is responsible for the results of any application of this data for other than its intended purpose. No warranty expressed or implied is made regarding the accuracy utility of the data, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data. It is strongly recommended that careful attention be paid to the contents of the metadata file associated with the data.

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Metadata Reference Information:

Metadata date: 20080714
Metadata review date: 20100128

Metadata contact:
Contact information:
Contact person primary:
Contact person: Emily Fergusson
Contact organization: National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)
Contact position: Metadata coordinator

Contact address:
       Address type: mailing and physical
       Address:
            17109 Point Lena Loop Road
       City: Juneau
       State or province: AK
       Postal code: 99801
       Country: USA

       Contact voice telephone: Use e-mail to contact the metadata coordinator.
       Contact facsimile telephone: 907-789-6094

       Contact electronic mail address: AFSC.metadata@noaa.gov

Metadata standard name: FGDC Biological Data Profile of the Content Standard for Digital Geospatial Metadata
Metadata standard version: FGDC-STD-001.1-1999

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