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

Theme keywords: 002, Biota, fish, trawling, diet, scale, otolithearly marine distribution, migration, growth, juvenile salmongenetic stock identification

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

Publication date: Unknown
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Series information:
Series name: North Pacific Anadromous Fish Commision
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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
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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 fish information collected during the BASIS cruises.

Time period of content:
Time period information:
Range of dates/times:
Beginning date: 1999
Ending date: 2009

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: fish, trawling, diet, scale, otolithearly marine distribution, migration, growth, juvenile salmongenetic stock identification
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, vertebrates
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: Arthropoda

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

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

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

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

                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
            Applicable common names: krill

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

    Taxonomic classification:

Taxon rank name: Order
Taxon rank value: Amphipoda
Applicable common names: amphipodes

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

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

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

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

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

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

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Lamna ditropis
Applicable common names: salmon shark

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

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Squalus acanthias
Applicable common names: spurdog

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

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

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

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Petromyzontidae
Applicable common names: lampreys

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

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Lampetra tridentata
    Applicable common names: Pacific lamprey

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Lethenteron japonicum

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: épinoche à trois épines

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Pungitius pungitius
    Applicable common names: épinoche à neuf épines

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: Family
    Taxon rank value: Trichodontidae

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Trichodon trichodon
    Applicable common names: Pacific sandfish

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

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

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Anarhichas orientalis
    Applicable common names: Bering wolffish

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Stichaeidae
    Applicable common names: stichées

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

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Acantholumpenus mackayi
            Applicable common names: blackline prickleback

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

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Leptoclinus maculatus
            Applicable common names: lompénie tachetée

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

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Lumpenus fabricii
            Applicable common names: lompénie élancée

        Taxonomic classification:
            Taxon rank name: Species
            Taxon rank value: Lumpenus sagitta

Applicable common names: snake prickleback

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Zaprora silenus
Applicable common names: prowfish

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: righteye flounders

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hippoglossus stenolepis

Applicable common names:
alabato del Pacífico

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Reinhardtius hippoglossoides
Applicable common names:
flétan du Groenland

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Reinhardtius stomias
Applicable common names:
arrowtooth flounder

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hippoglossoides elassodon
Applicable common names:
flathead sole

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hippoglossoides robustus
Applicable common names:

Bering flounder

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

 Taxonomic classification:
  Taxon rank name: Tribe
  Taxon rank value: Microstomini

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

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Lepidopsetta polyxystra
    **Applicable common
    names:** northern rock sole

 Taxonomic classification:
  Taxon rank name: Tribe
  Taxon rank value: Pleuronectini

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

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Limanda aspera
    **Applicable common
    names:** yellowfin sole

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Limanda proboscidea
    Applicable common

names: longhead dab

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value:
Platichthys stellatus
**Applicable common
names:** starry flounder

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value:
Pleuronectes
quadrituberculatus
**Applicable common
names:** Alaska plaice

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

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

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Anoplopoma fimbria
Applicable common names: bacalao negro

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: poissons-alligators

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Aspidophoroides monopterygius
Applicable common names: poisson-alligator atlantique

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Chesnonia verrucosa
Applicable common names:

warty poacher

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Occella
dodecaedron
Applicable common names:
Bering poacher

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Podothecus
accipenserinus
Applicable common names:
sturgeon poacher

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Ulcina olrikii
Applicable common names:
Arctic alligatorfish

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Enophrys diceraus
Applicable common names: antlered sculpin

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: Genus
Taxon rank value: Myoxocephalus
Applicable common names: fourhorn sculpins

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Myoxocephalus jaok
Applicable common names:

plain sculpin

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Myoxocephalus
    polyacanthocephalus
    Applicable common names:
    great sculpin

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Myoxocephalus scorpius
    Applicable common names:
    chaboisseau à épines courtes

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Triglops
    pingelii
    Applicable common names:
    ribbed sculpin

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

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Blepsias
    bilobus
    Applicable common names:

crested sculpin

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

    Taxonomic classification:
        Taxon rank name: Species
        Taxon rank value: Hemitripterus bolini
        Applicable common names: bigmouth sculpin

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

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

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

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

                Taxonomic classification:
                    Taxon rank name: Species
                    Taxon rank value: Aptocyclus ventricosus
                    Applicable common names: smooth lumpsucker

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

    Taxonomic classification:

Taxon rank name: Genus
Taxon rank value:
Eumicrotremus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value:
    Eumicrotremus orbis
    Applicable common
    names: Pacific spiny
    lumpsucker

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Liparidae
    Applicable common names: peces babosos

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

Taxonomic classification:
    Taxon rank name: Family
    Taxon rank value: Hexagrammidae
    Applicable common names: molvas

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Hexagrammos
    decagrammus
    Applicable common names: kelp
    greenling

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 stelleri
Applicable common names: whitespotted greenling

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Ophiodon elongatus
Applicable common names: molva

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Pleurogrammus monopterygius
Applicable common names: Atka mackerel

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

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

Taxonomic classification:
Taxon rank name: Genus

Taxon rank value: Sebastes

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Sebastes ciliatus
Applicable common names: dusky rockfish

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Sebastes melanops
Applicable common names: black rockfish

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

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

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

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

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

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

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

pallasii
Applicable common names:
Pacific herring

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

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

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

Taxonomic classification:
Taxon rank name: Family
Taxon rank value: Nemichthyidae
Applicable common names: poissons-avocettes

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

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

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

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Boreogadus saida
Applicable common names: saida franc

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Eleginus gracilis
Applicable common names: saffron cod

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Gadus macrocephalus
Applicable common names: Pacific cod

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Theragra chalcogramma
Applicable common names: Alaska pollock

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hypomesus olidus
Applicable common names: pond smelt

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Hypomesus pretiosus
Applicable common names: surf smelt

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: Genus
Taxon rank value: Osmerus

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Osmerus mordax

Taxonomic classification:
Taxon rank name: Subspecies
Taxon rank value: Osmerus mordax dentex

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Thaleichthys pacificus
Applicable common names: eulachon

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

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

Taxonomic classification:
Taxon rank name: Subfamily

Taxon rank value: Coregoninae

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

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Coregonus laurettae
    Applicable common names: Bering cisco

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

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

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Oncorhynchus gorbuscha
    Applicable common names: saumon rose

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Oncorhynchus keta
    Applicable common names: chum salmon

   Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Oncorhynchus kisutch
    Applicable common names: saumon coho

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Oncorhynchus mykiss
Applicable common names: redband trout

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Oncorhynchus nerka
Applicable common names: saumon rouge

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Oncorhynchus tshawytscha
Applicable common names: saumon chinook

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Salvelinus malma
Applicable common names: Dolly Varden

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

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

Taxonomic classification:
Taxon rank name: Subclass

Taxon rank value: Hexacorallia

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

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

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

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

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

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

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

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

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

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Echiurus echiurus

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

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

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

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

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

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

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

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Berryteuthis magister
    Applicable common names: magister armhook squid

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

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Gonatus kamtschaticus

Taxonomic classification:
    Taxon rank name: Species
    Taxon rank value: Gonatus pyros

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:
    Contact information:
        Contact person primary:
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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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                17109 Point Lena Loop Road
            City: Juneau
            State or province: AK
            Postal code: 99801

Country: USA

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

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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.

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

Native data set environment:
Microsoft Access Database

Back to Top

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

[Back to Top](#)

Entity and Attribute Information:

Detailed description:
 Entity type:
  Entity type label: 2006 NWX Sockeye
  Entity type definition:
   -no description-
  Entity type definition source:
   AFSC

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

  Attribute domain values:
   Unrepresentable domain:
    No domain defined.

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

  Attribute domain values:
   Unrepresentable domain:
    No domain defined.

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

Attribute domain values:
  Unrepresentable domain:
    No domain defined.

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

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

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

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Detailed description:
  Entity type:
    Entity type label: 2007 chum otolith
    Entity type definition:
      -no description-
    Entity type definition source:
      AFSC

  Attribute:
    Attribute label: Subsets 1-5
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Otolith ID
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Fish ID
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Cleaned
    Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Prep comments
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Group Slide Mounts
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute:
> **Attribute label:** Yukon/Kusk
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Dec Degr Lat
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Dec Degr Long
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Age
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: N Isotope
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: C Isotope
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: C/N Ratio
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Otoliths sampled

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
>**Attribute label:** Field24
>**Attribute definition:**
>>-no description-
>
>**Attribute definition source:**
>>AFSC
>
>**Attribute domain values:**
>>**Unrepresentable domain:**
>>>No domain defined.

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

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

Attribute:
>**Attribute label:** Field27
>**Attribute definition:**
>>-no description-
>
>**Attribute definition source:**
>>AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: 2007 BASIS CHUM
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Field30
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Field31
    Attribute definition:
        -no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Field32
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: All Species Diet Data
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Station_ID
Attribute definition:
First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson), 6th-8th digits are the Station identifier
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:

Genus species of predator
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Pred_NODC
Attribute definition:
National Oceanographic Data Center (NODC) Codes for predator
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Stomachs
Attribute definition:
Number of stomaches analyzed
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Min_Length
Attribute definition:
Measured in mm
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Max_Length
    Attribute definition:
        Measured in mm
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Average_Length (mm)
    Attribute definition:
        Average length in mm
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Pred_Weight
    Attribute definition:
        Predator weight in grams
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Stomach_Content_Weight
    Attribute definition:
        Stomach content (all prey items found) weight in grams
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Empty
Attribute definition:
Empty stomach. (0)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Medium
Attribute definition:
Average stomaches (1+2)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Full
Attribute definition:
Full stomaches (3 + 4)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Percent_Fresh_Food
Attribute definition:
Percent of stomach content that was fresh food.
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Stomach_Fullness_Index
Attribute definition:
Stomach Content Index (o/oo) for total content of stomach; this number will equal the sum all individual prey SCI
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Prey Species
Attribute definition:
Prey item
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Prey_NODC
Attribute definition:
National Oceanographic Data Center (NODC) Codes for prey item
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Prey_Life_Stage
Attribute definition:
Life history stage of prey item
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Percent_Weight
Attribute definition:
Percent of the weight that the prey item contributes to the whole stomach content volume
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Calculated_Prey_Weight
Attribute definition:
Calculated prey item weight (Based on SCI); Formula used: SCI*(Predator weight)/10000
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: SCI
Attribute definition:
Individual prey Stomach Content Index (o/oo)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Detailed description:
    Entity type:
        Entity type label: Andrews - JuvPinkPreySpecies
        Entity type definition:
            -no description-
        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: Stomach_Fullness_Index
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

        Attribute domain values:
            Unrepresentable domain:

No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
      No domain defined.

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

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
      Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
    Entity type label: Andrews - Zoop Categories Pink Diets
    Entity type definition:
      -no description-
    Entity type definition source:
      AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Andrews - Zooplankton
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Haul ID
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Mesh Size 1
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Displacement Volume 1 (ml)
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Volume Filtered 1 m(3)
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Mesh Size 2
 Attribute definition:
  -no description-
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Displacement Volume 2 (ml)
 Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Volume Filtered (2) m(3)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Mesh Size 3
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Displacement Volume 3 (ml)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
    Entity type:
        Entity type label: BASIS 2008 Tagging
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Page
        Attribute definition:
            Page number of Original Data sheets
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Tag data No
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Tag Type
        Attribute definition:
            -no description-
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

Attribute:
    Attribute label: Species
    Attribute definition:
        Commoon Name
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Length
    Attribute definition:
        Length of salmon in mm
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Card No
    Attribute definition:
        Scale card number (0=no scale collected)
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Scale No
    Attribute definition:
        Position of scale on scale card (0=no scale collected)
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tag Initiated Time
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tag Initiated Time Zone
Attribute definition:
Alaska Time Zone
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tag Released Date
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Tag Released Time
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Haul
Attribute definition:
First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson), 6th-8th digits are the Station identifier
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Disk Tag (NA) #
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: BASIS Station Data
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Station_ID
Attribute definition:
First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson, 4=Great Pacific. 5=Epic Explorer), 6th-8th digits are the Station identifier
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: LAT_START
Attribute definition:
Decimal degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
>**Attribute label:** LONG_START
>**Attribute definition:**
>>Decimal degrees
>
>**Attribute definition source:**
>>AFSC
>
>**Attribute domain values:**
>>**Unrepresentable domain:**
>>>No domain defined.

Attribute:
>**Attribute label:** LAT_END
>**Attribute definition:**
>>Decimal degrees
>
>**Attribute definition source:**
>>AFSC
>
>**Attribute domain values:**
>>**Unrepresentable domain:**
>>>No domain defined.

Attribute:
>**Attribute label:** LONG_END
>**Attribute definition:**
>>Decimal degrees
>
>**Attribute definition source:**
>>AFSC
>
>**Attribute domain values:**
>>**Unrepresentable domain:**
>>>No domain defined.

Attribute:
>**Attribute label:** AVE_LAT
>**Attribute definition:**
>>Decimal degrees
>
>**Attribute definition source:**
>>AFSC
>
>**Attribute domain values:**

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: AVE_LONG
Attribute definition:
Decimal degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date
Attribute definition:
Date that Station was surveyed
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vessel_Code
Attribute definition:
SS=Seastorm, NW=Northwest Explorer, OD=Oscar Dyson, GP=Great Pacific, EE=Epic Explorer
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Leg
Attribute definition:
Leg of Survey
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Time
Attribute definition:
Start time of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lat_Deg
Attribute definition:
Start Latitude Degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lat_Min

Attribute definition:
Start Latitude minutes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lon_Deg
Attribute definition:
Start Longitude Degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lon_Min
Attribute definition:
Start Longitude minutes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Start_Depth_m
    Attribute definition:
        Depth in meters at start of trawl
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Start_Temp_C
    Attribute definition:
        Surface Temperature (Celcius) at start of trawl
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: End_Time
    Attribute definition:
        End time of trawl
    Attribute definition source:
        AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: End_Lat_Deg
    Attribute definition:
        End Latitude Degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: End_Lat_Min
    Attribute definition:
        End Latitude minutes
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: End_Lon_Deg
    Attribute definition:
        End Longitude Degrees

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Lon_Min
Attribute definition:
End Longitude minutes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Depth_m
Attribute definition:
Depth in meters at end of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: End_Temp_C
Attribute definition:
Surface Temperature (Celcius) at endt of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Duration
Attribute definition:
Duration of trawl in hours
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Speed_Knots
Attribute definition:
Speed in knots
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vertical_Spread_meters
Attribute definition:
Meters
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:
    Attribute label: Horizontal_Spread_meters
    Attribute definition:
        Meters
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Warp_fathoms
    Attribute definition:
        Fathoms
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Total_Distance_nm
    Attribute definition:
        Nautical miles
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Total_Distance_Km
    Attribute definition:
        Kilometers
    Attribute definition source:
        AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Effort_Area_km^2
 Attribute definition:
  km^2
 Attribute definition source:
  AFSC

 Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Effort_Volume_km^3
 Attribute definition:
  km^3
 Attribute definition source:
  AFSC

 Attribute domain values:
 Unrepresentable domain:
  No domain defined.

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

 Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Bongo_Y/N
 Attribute definition:

Was Bongo deployed at station
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: CTD_Y/N
Attribute definition:
Was CTD deployed at station
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Course
Attribute definition:
Degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Trawl_Type
    Attribute definition:
        Surface or Midwater
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Wind_kn
    Attribute definition:
        Knots
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Sea_State_m
    Attribute definition:
        Meters
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:

Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Headrope depth
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Salin
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: BASIS Stations
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Leg
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:

Entity type label: BASIS Vessel Codes
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:

Entity type label: Copy of Andrews - Zoop Categories Pink Diets
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Fish Catch Table
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Year
Attribute definition:
Year of Survey
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Station_ID
Attribute definition:
First 4 digits (Year), 5th digit is Vessel code (ss=1;NWE=2;OD=3;GP=4), 6-9 digit is Station number
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:
Genus species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Common Name
Attribute definition:
Common name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Race Code

Attribute definition:
 Resource Assessment and Conservation Engineering Division (RACE) Codes
Attribute definition source:
 AFSC

Attribute domain values:
 Unrepresentable domain:
 No domain defined.

Attribute:
 Attribute label: NODC Code
 Attribute definition:
 National Oceanographic Data Center (NODC) Codes
 Attribute definition source:
 AFSC

 Attribute domain values:
 Unrepresentable domain:
 No domain defined.

Attribute:
 Attribute label: Maturity State
 Attribute definition:
 Maturity stage of fish
 Attribute definition source:
 AFSC

 Attribute domain values:
 Unrepresentable domain:
 No domain defined.

Attribute:
 Attribute label: Catch
 Attribute definition:
 Number of fish caught
 Attribute definition source:
 AFSC

 Attribute domain values:
 Unrepresentable domain:
 No domain defined.

Attribute:
>> **Attribute label:** Notes
>> **Attribute definition:**
>>> Notes
>> **Attribute definition source:**
>>> AFSC

>> **Attribute domain values:**
>>> **Unrepresentable domain:**
>>>> Free entry text field.

Detailed description:
> **Entity type:**
>> **Entity type label:** Hatchery
>> **Entity type definition:**
>>> -no description-
>> **Entity type definition source:**
>>> AFSC

> **Attribute:**
>> **Attribute label:** Hatchery ID
>> **Attribute definition:**
>>> -no description-
>> **Attribute definition source:**
>>> AFSC

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

> **Attribute:**
>> **Attribute label:** Notes
>> **Attribute definition:**
>>> -no description-
>> **Attribute definition source:**
>>> AFSC

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

Attribute:
>	**Attribute label:** Hatchery Name
>	**Attribute definition:**
>>		Hatchery Name
>	**Attribute definition source:**
>>		AFSC

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

Detailed description:
>	**Entity type:**
>>		**Entity type label:** Hatchery Special
>>		**Entity type definition:**
>>>			-no description-
>>		**Entity type definition source:**
>>>			AFSC

>	**Attribute:**
>>		**Attribute label:** Hatchery Special ID
>>		**Attribute definition:**
>>>			-no description-
>>		**Attribute definition source:**
>>>			AFSC

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

>	**Attribute:**
>>		**Attribute label:** Notes
>>		**Attribute definition:**
>>>			-no description-
>>		**Attribute definition source:**
>>>			AFSC

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

Attribute:
Attribute label: Hatchery Name
Attribute definition:
Hatchery Name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Moss - Chum OD 2007
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
> **Attribute label:** Year
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Species
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** LAT_START
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** LONG_START
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: AVE_LONG
    Attribute definition:
        -no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Moss - Pink & Chum CPUE OD 2007
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Common Name
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Maturity State
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:

No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
          No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
          No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
          No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Temp_C
Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Moss - Pink OD 2007
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Station_ID
Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:

Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Temp_C
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Murphy - Chinook Genetics by Haul
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: GeneticID
Attribute definition:
Unique identifer assigned to genetic sample
Attribute definition source:

AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Haul
 Attribute definition:
  Unique identifer assigned to sample collection event
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Leg
 Attribute definition:
  Survey leg number for year of BASIS survey
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: CatchLH
 Attribute definition:
  Life history stages present in sample collection
 Attribute definition source:
  AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: AssumeLH

Attribute definition:
Life history stages present in genetic sample
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: RetroLH
Attribute definition:
Life history stage determined from initial screen of tissue samples
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Collection
Attribute definition:
Identifer assigned to genetic sample collection
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: Murphy - Chinook Genetics by Individual

Entity type definition:

-no description-

Entity type definition source:

AFSC

Attribute:

Attribute label: Genetic

Attribute definition:

Unique genetic number

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Control

Attribute definition:

Unique fish identifer

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Year

Attribute definition:

-no description-

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:
    Attribute label: Collection
    Attribute definition:
        Genetic sample collection
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Detailed description:
    Entity type:
        Entity type label: Murphy - Distance
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Station
        Attribute definition:
            Hauls within standard BASIS survey area and on the shelf
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Distance
    Attribute definition:
        distance in km from nearest point of land, islands are excluded, and some averaging of coastline is used to pinpoint the closest point of land with irregular coastlines
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Detailed description:
    Entity type:
        Entity type label: Murphy aykssi chum 09 chum otolith series
        Entity type definition:
            -no description-
        Entity type definition source:

AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: NODC Codes
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Species
Attribute definition:
Genus species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: NODC
Attribute definition:
National Oceanographic Data Center (NODC) Codes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:
    Attribute label: Trophic Level
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Life Zone
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
        Entity type label: Oceanography Station Information
        Entity type definition:
            -no description-
        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.
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.
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
    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: Comments
Attribute definition:
-no description-
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: 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.

Detailed description:

Entity type:

Entity type label: Other Species Biological

Entity type definition:

-no description-

Entity type definition source:

AFSC

Attribute:

Attribute label: Station_ID

Attribute definition:

First 4 digits (Year), 5th digit is Vessel code (ss=1;NWE=2;OD=3;GP=4), 6-9 digit is Station number

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: RACE_Code
Attribute definition:
Resource Assessment and Conservation Engineering Division (RACE) Codes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Scientific_Name
Attribute definition:
Genus species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Ave_Size
Attribute definition:
mm
Attribute definition source:

AFSC

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

Attribute:
> **Attribute label:** Max_Size
> **Attribute definition:**
>> mm
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Min_Size
> **Attribute definition:**
>> mm
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Size_Class
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Total_Caught

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Total_Weight
Attribute definition:
grams
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: stage
Attribute definition:
Maturity stage
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
    Entity type:
        Entity type label: Other Species Diet Data
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Station_ID
        Attribute definition:
            First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson), 6th-8th digits are the Station identifier
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Species
        Attribute definition:
            Genus species of predator
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Pred_NODC
        Attribute definition:
            National Oceanographic Data Center (NODC) Codes for predator
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:

No domain defined.

Attribute:
> **Attribute label:** Stomachs
> **Attribute definition:**
>> Number of stomaches analyzed
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Min_Length
> **Attribute definition:**
>> Measured in mm
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Max_Length
> **Attribute definition:**
>> Measured in mm
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Average_Length (mm)
> **Attribute definition:**
>> Average length in mm
>
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Pred_Weight
> **Attribute definition:**
>> Predator weight in grams
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Stomach_Content_Weight
> **Attribute definition:**
>> Stomach content (all prey items found) weight in grams
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Empty
> **Attribute definition:**
>> Empty stomach. (0)
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Medium
> **Attribute definition:**

Average stomaches (1+2)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Full
Attribute definition:
Full stomaches (3 + 4)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Percent_Fresh_Food
Attribute definition:
Percent of stomach content that was fresh food.
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Stomach_Fullness_Index
Attribute definition:
Stomach Content Index (o/oo) for total content of stomach; this number will equal the sum all individual prey
SCI
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
> **Attribute label:** Prey_NODC
> **Attribute definition:**
>> National Oceanographic Data Center (NODC) Codes for prey item
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Prey_Life_Stage
> **Attribute definition:**
>> Life history stage of prey item
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Percent_Weight
> **Attribute definition:**
>> Percent of the weight that the prey item contributes to the whole stomach content volume
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

Attribute:
> **Attribute label:** Calculated_Prey_Weight
> **Attribute definition:**
>> Calculated prey item weight (Based on SCI); Formula used: SCI*(Predator weight)/10000
> **Attribute definition source:**
>> AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: SCI
Attribute definition:
Individual prey Stomach Content Index (o/oo)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Other Species Length Freq
Entity type definition:
-no description-
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: RACE
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
    Attribute label: Species Name
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

    Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
    Attribute label: Common Name
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

    Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
    Attribute label: Length (mm)
    Attribute definition:
      -no description-
    Attribute definition source:
      AFSC

    Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
    Attribute label: Frequency
    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: Pacific Sandfish length Frequency
Entity type definition:
-no description-
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: RACE
Attribute definition:
-no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species Name
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Common Name
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Length (mm)
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Frequency
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.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:

No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Pacific Sandish Biological
Entity type definition:
-no description-
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: LAT_START
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: LONG_START
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: Year
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Depth_m
Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:

Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Total_Weight
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: RACE Codes
Entity type definition:
-no description-

Entity type definition source:
AFSC

Attribute:
Attribute label: RACE_CODE
Attribute definition:
Resource Assessment and Conservation Engineering Division (RACE) Codes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: SPECIES_NAME
Attribute definition:
Genus species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: COMMON_NAME
Attribute definition:
Common Name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: REVISION
Attribute definition:
-no description-
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: BS
Attribute definition:
Bering Sea
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: GOA
Attribute definition:
Gulf of Alaska
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: AUDITJOIN

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Salmon ABL Scale Digitizing
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
    Entity type label: Salmon Age Table
    Entity type definition:
        -no description-
    Entity type definition source:
        AFSC

Attribute:
    Attribute label: Fish_ID
    Attribute definition:
        First 4 digits (Year), , 5th digit is species code
        (Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6), 6th-10 digit is the fish number. (For 2008
        and later, First 4 digits (Year), , 5th digit is species code, 6-7 is station number, 8-9 is fish number)
    Attribute definition source:
        AFSC

    Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Species
    Attribute definition:
        Genus species
    Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Scale Card
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Freshwater_Age

Attribute definition:
R=99;U=98;NA=97;I=95;dash=90;Skip=66;U = unreadable;R = refocused;I=indeterminate: NA=no scale present
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Plus_Growth (Y/N)
Attribute definition:
Y=plus growth
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Maturity_ID
Attribute definition:
(Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6) where alone =juvenile, preceded by 9 = immature, preceded by 99 = mature
Attribute definition source:
AFSC

Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Preferred (P/N)
Attribute definition:
P=Perferred; N or NP = onperferred
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Salmon Bioenergetics
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Fish_ID
Attribute definition:
First 4 digits (Year), , 5th digit is species code
(Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6), 6th-10 digit is the fish number. (For 2008
and later, First 4 digits (Year), , 5th digit is species code, 6-7 is station number, 8-9 is fish number)
Attribute definition source:
AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Station_ID
    Attribute definition:
        First 4 digits (Year), 5th digit is Vessel code (ss=1;NWE=2;OD=3;GP=4; EE=5), 6-9 digit is Station number
    Attribute definition source:
        AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Length
    Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Fresh Weight
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Cal ID
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: FrozFish+Tray
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Frozen Fish Weight
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: DryDish+tray
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Dry Weight
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: % Dry Weight
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: cal/g
Attribute definition:
Value determined by Bomb Calorimetry
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: J/gWetWeight
Attribute definition:
=4.186*(Cal/g) * % Dry Weight
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
        Entity type label: Salmon Biological
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Fish_ID
        Attribute definition:
            First 4 digits (Year), , 5th digit is species code
            (Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6), 6th-10 digit is the fish number. (For 2008
            and later, First 4 digits (Year), , 5th digit is species code, 6-7 is station number, 8-9 is fish number)
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Station_ID
        Attribute definition:
            First 4 digits (Year), 5th digit is Vessel code (ss=1;NWE=2;OD=3;GP=4; EE=5), 6-9 digit is Station number
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: Year
        Attribute definition:

Year of survey
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:
Species code (Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6)
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Outlier
Attribute definition:
Salmon is outlier based on Length-weight curve for that year and species
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Maturity_ID
Attribute definition:
(Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6) where alone =juvenile, preceded by 9 = immature, preceded by 99 = mature
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
    Attribute label: Length
    Attribute definition:
        in mm
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Lcode
    Attribute definition:
        observed vs calculated
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Weight
    Attribute definition:
        in grams
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Wcode
    Attribute definition:
        observed vs calculated
    Attribute definition source:
        AFSC

Attribute domain values:
 Unrepresentable domain:
  No domain defined.

Attribute:
 Attribute label: Sex
 Attribute definition:
  male or female
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Gonad_wt_g
 Attribute definition:
  in grams
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Scale_Card
 Attribute definition:
  Card number
 Attribute definition source:
  AFSC

 Attribute domain values:
  Unrepresentable domain:
   No domain defined.

Attribute:
 Attribute label: Non Numerical Scale Card
 Attribute definition:
  -no description-

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Scale_Number
Attribute definition:
Position on scale card
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Scale_Area
Attribute definition:
Perferred or Nonperferred
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Stomach
Attribute definition:
OB = stomach analyzed on board vessel
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Calorimetry
Attribute definition:
Cal ID number where First 4 digits (Year), then vessel code,followed by 4 digit cal id number
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Isotope
Attribute definition:
Isotope ID number where First 4 digits (Year), then vessel code,followed by 4 digit isotope id number
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:
    Attribute label: Otolith
    Attribute definition:
        Otolith ID number where First 4 digits (Year), then vessel code,followed by 4 digit otolith id number
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Non Numerical Otolith
    Attribute definition:
        Number recorded in Salmon data sheets
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: Notes 1
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Notes 2
    Attribute definition:
        -no description-
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Frozen_Length
    Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
    Entity type:
        Entity type label: Salmon Individual Diet Data 1999 2003
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

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

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

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

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

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

Attribute:
> **Attribute label:** Prey_Dig
> **Attribute definition:**
>> -no description-
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**

Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Prey_Nodc
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: Salmon Injury
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Region
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: Salmon Istope Inventory 2008
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

AFSC

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

Attribute:
> **Attribute label:** Year
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Species
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Maturity_ID
> **Attribute definition:**
>> -no description-
> **Attribute definition source:**
>> AFSC

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

Attribute:
> **Attribute label:** Length

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Salmon LHS Circuli Classification
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Fish_ID

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
> **Attribute label:** Spacing
> **Attribute definition:**
>>   -no description-
> **Attribute definition source:**
>>   AFSC

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

Attribute:
> **Attribute label:** LHS
> **Attribute definition:**
>>   -no description-
> **Attribute definition source:**
>>   AFSC

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

Attribute:
> **Attribute label:** Species
> **Attribute definition:**
>>   -no description-
> **Attribute definition source:**
>>   AFSC

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

Detailed description:
> **Entity type:**
>>   **Entity type label:** Salmon LHS Conversion Table
>>   **Entity type definition:**
>>>   -no description-
>>   **Entity type definition source:**
>>>   AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Detailed description:
    Entity type:
        Entity type label: Salmon Maturity Stage Codes
        Entity type definition:
            -no description-
        Entity type definition source:
            AFSC

    Attribute:
        Attribute label: Maturity_ID
        Attribute definition:
            (unidentified=0;Pink=1;Chum=2;Sockeye=3;Coho=4;Chinook=5;Steelhead=6) where alone =juvenile, preceded by 9 = immature, preceded by 99 = mature
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: RACE_Code
        Attribute definition:
            Resource Assessment and Conservation Engineering Division (RACE) Codes
        Attribute definition source:
            AFSC

        Attribute domain values:
            Unrepresentable domain:
                No domain defined.

    Attribute:
        Attribute label: NODC_Code
        Attribute definition:
            National Oceanographic Data Center (NODC) Codes
        Attribute definition source:
            AFSC

Attribute domain values:
  Unrepresentable domain:
    No domain defined.

Attribute:
  Attribute label: Common_Name
  Attribute definition:
    Common Name
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Stage
  Attribute definition:
    Maturity Stage
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Detailed description:
  Entity type:
    Entity type label: Salmon Otolith Aging 2008
    Entity type definition:
      -no description-
    Entity type definition source:
      AFSC

  Attribute:
    Attribute label: Year
    Attribute definition:
      2008 only
    Attribute definition source:
      AFSC

Attribute domain values:
    Unrepresentable domain:
      No domain defined.

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

    Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
    Attribute label: Station_ID
    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.

Attribute:
    Attribute label: Maturity_ID
    Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Species
Attribute definition:
Common Name
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Fresh Age
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute:
> **Attribute label:** Length
> **Attribute definition:**
>> Length in mm
>
> **Attribute definition source:**
>> AFSC
>
> **Attribute domain values:**
>> **Unrepresentable domain:**
>>> No domain defined.

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

Detailed description:
> **Entity type:**
>> **Entity type label:** Salmon Otoliths 2006
>> **Entity type definition:**
>>> -no description-
>>
>> **Entity type definition source:**
>>> AFSC

Attribute:
    Attribute label: Otolith
    Attribute definition:
        Unique otolith ID
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Box
    Attribute definition:
        Box number
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Slide
    Attribute definition:
        Slide number
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Mounted
    Attribute definition:
        Date mounted
    Attribute definition source:
        AFSC

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Polished
Attribute definition:
Date polished
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Notes
Attribute definition:
Notes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
Free entry text field.

Detailed description:
Entity type:
Entity type label: Salmon Otoliths Bomber 2002-04
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Otolith_Well
Attribute definition:
Species, Tray number, Row Letter, Column number
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Salmon Processing
Entity type definition:
-no description-

Entity type definition source:
  AFSC

Attribute:
  Attribute label: Station_ID
  Attribute definition:
    First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson), 6th-8th digits are the Haul identifier.
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Maturity_ID
  Attribute definition:
    RACE Code
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Number_Caught
  Attribute definition:
    Total caught for haul
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Total_Weight
  Attribute definition:
    grams

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Number_ Processed_for_Stomachs
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Salmon Scale Radius 2007
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:

No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
   Unrepresentable domain:
      No domain defined.

Detailed description:
   Entity type:
      Entity type label: Salmon Thermal Mark
      Entity type definition:
         -no description-
      Entity type definition source:
         AFSC

   Attribute:
      Attribute label: Control ID
      Attribute definition:
         -no description-
      Attribute definition source:
         AFSC

      Attribute domain values:
         Unrepresentable domain:
            No domain defined.

   Attribute:
      Attribute label: Hatchery ID
      Attribute definition:
         -no description-
      Attribute definition source:
         AFSC

      Attribute domain values:
         Unrepresentable domain:
            No domain defined.

   Attribute:
      Attribute label: Hatchery Special ID
      Attribute definition:
         -no description-
      Attribute definition source:
         AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Brood Year
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: Sandfish 1999 Diet Data
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: OTS Control ID
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Pred_Full
Attribute definition:

-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Prey_Nodc
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: Station Data old
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Station_ID
Attribute definition:
First 4 digits is the year, 5th digit is vessel code (1=Seastorm, 2=Northwest Explorer, 3=Oscar Dyson, 4=Great Pacific. 5=Epic Explorer), 6th-8th digits are the Station identifier
Attribute definition source:
AFSC

Attribute domain values:
    Unrepresentable domain:
        No domain defined.

Attribute:
    Attribute label: LAT_START
    Attribute definition:
        Decimal degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: LONG_START
    Attribute definition:
        Decimal degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: LAT_END
    Attribute definition:
        Decimal degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: LONG_END
    Attribute definition:
        Decimal degrees

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: AVE_LAT
Attribute definition:
Decimal degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: AVE_LONG
Attribute definition:
Decimal degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Date
Attribute definition:
Date that Station was surveyed
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vessel_Code
Attribute definition:
SS=Seastorm, NW=Northwest Explorer, OD=Oscar Dyson, GP=Great Pacific, EE=Epic Explorer
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Leg
Attribute definition:
Leg of Survey
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Time
Attribute definition:
Start time of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:
Attribute label: Start_Lat_Deg
Attribute definition:
Start Latitude Degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lat_Min
Attribute definition:
Start Latitude minutes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Start_Lon_Deg
Attribute definition:
Start Longitude Degrees
Attribute definition source:
AFSC

Attribute domain values:
  Unrepresentable domain:
    No domain defined.

Attribute:
  Attribute label: Start_Lon_Min
  Attribute definition:
    Start Longitude minutes
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

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

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Start_Depth_m
  Attribute definition:
    Depth in meters at start of trawl
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Start_Temp_C
  Attribute definition:

Surface Temperature (Celcius) at start of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Time
Attribute definition:
End time of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Lat_Deg
Attribute definition:
End Latitude Degrees
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Lat_Min
Attribute definition:
End Latitude minutes
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: End_Lon_Deg
    Attribute definition:
        End Longitude Degrees
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: End_Lon_Min
    Attribute definition:
        End Longitude minutes
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

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

    Attribute domain values:

Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Depth_m
Attribute definition:
Depth in meters at end of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: End_Temp_C
Attribute definition:
Surface Temperature (Celcius) at endt of trawl
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Duration
Attribute definition:
Duration of trawl in hours
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Speed_Knots
Attribute definition:
Speed in knots
Attribute definition source:

AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Vertical_Spread_meters
Attribute definition:
Meters
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Horizontal_Spread_meters
Attribute definition:
Meters
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Warp_fathoms
Attribute definition:
Fathoms
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Total_Distance_nm

Attribute definition:
Nautical miles
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Total_Distance_Km
Attribute definition:
Kilometers
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Effort_Area_km^2
Attribute definition:
km^2
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Effort_Volume_km^3
Attribute definition:
km^3
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Bongo_Y/N
    Attribute definition:
        Was Bongo deployed at station
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: CTD_Y/N
    Attribute definition:
        Was CTD deployed at station
    Attribute definition source:
        AFSC

    Attribute domain values:
        Unrepresentable domain:
            No domain defined.

Attribute:
    Attribute label: Course
    Attribute definition:
        Degrees
    Attribute definition source:
        AFSC

Attribute domain values:
  Unrepresentable domain:
    No domain defined.

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

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Trawl_Type
  Attribute definition:
    Surface or Midwater
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Wind_kn
  Attribute definition:
    Knots
  Attribute definition source:
    AFSC

  Attribute domain values:
    Unrepresentable domain:
      No domain defined.

Attribute:
  Attribute label: Sea_State_m
  Attribute definition:
    Meters

Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Headrope depth
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Trawl Station Conversion - Oscar Dyson 2007
Entity type definition:
-no description-
Entity type definition source:
AFSC

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

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

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: Trawl Station Conversion - Seastorm 2003
Entity type definition:
-no description-
Entity type definition source:
AFSC

Attribute:
Attribute label: Station2003
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Trawl2003
Attribute definition:
-no description-
Attribute definition source:
AFSC

Attribute domain values:
Unrepresentable domain:
No domain defined.

Back to Top

Distribution Information:

Distributor:
    Contact information:
        Contact person primary:
            Contact person: Ed Farley
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            Country: USA

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        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.

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Back to Top

Metadata Reference Information:

Metadata date: 20080908
Metadata review date: 20100126

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:
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            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

[Back to Top](#)