

AFSC/ABL: Southeast Coastal Monitoring Project - CTD database

Theme keywords: Chlorophyll, Nutrients, Marine Habitat, Sea Surface Temperature, Salinity, Biota, Oceans

Abstract: The Southeast Alaska Coastal Monitoring (SECM) project in Alaska was initiated in 1997 by the Auke Bay Laboratory, National Marine Fisheries Service, to study the habitat use and early marine ecology of juvenile (age-0) Pacific salmon (*Oncorhynchus* spp.) and associated epipelagic ichthyofauna. This research has been conducted to meet several needs identified in the National Oceanic and Atmospheric Administration (NOAA) Fisheries 2006-2011 Strategic Plan, the North Pacific Anadromous Fisheries Commission (NPAFC) 2006–2010 Science Plan, and the Gulf of Alaska Global Ocean Ecosystem Dynamics (GLOBEC) Program. A primary goal of the 2006-2011 NOAA Fisheries Strategic Plan is to “Protect, Restore, and Manage the Use of Coastal and Ocean Resources Through an Ecosystem Approach to Management”. SECM research addresses the five fundamental activities identified under this goal, which include: Monitor and observe the land, sea, atmosphere.... Understand and describe how natural systems work together..., Assess and predict the changes in natural systems..., Engage, advise, and inform individuals, partners, communities, and industries..., and, Manage coastal and ocean resources... SECM research emphasizes long-term monitoring of coastal marine habitats used by juvenile salmon and associated epipelagic fishes, to understand how environmental variation affects the sustainability of these marine resources in an ecological context. The study of juvenile anadromous stocks of salmon in ocean ecosystems is an important component of the NPAFC 2006-2010 Science Plan. This component recommends studies directed at understanding: seasonal distribution and migration route/timing of juvenile salmon; hydrological characteristics, primary production, and prey resources in the habitats; trophic linkages, growth rates and predation rates of juvenile salmon; and population size, survival rate and survival mechanism of juvenile salmon. SECM research focuses on each of these elements of this component. In particular, SECM examines the relationships among habitat use, marine growth, hatchery and wild stock interactions, year-class strength, and ocean carrying capacity of key juvenile salmon stocks in the Eastern Pacific rim. Research under the GLOBEC program incorporates basin-scale studies to determine how plankton productivity and the carrying capacity for high-trophic level, pelagic carnivores in the North Pacific Ocean change in response to climate variations, and incorporates regional-scale ecosystem studies to compare how variations in ocean climate affect species dominance and fish populations in the coastal margins of the Pacific Rim. SECM research addresses the regional-scale component of the GLOBEC program by 1) collecting biological data on juvenile Pacific salmon and ecologically related fish species from surface rope trawl samples, 2) monitoring physical and biological oceanographic indices at sampling stations in marine habitats, and 3) conducting process studies focusing on bioenergetics, prey fields, and trophic relationships of juvenile salmon and associated fishes.

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: Joseph A. Orsi, William R. Heard, Emily A. Fergusson, Molly V. Sturdevant,, Alex C. Wertheimer, Bruce L. Wing, AFSC

Title:

AFSC/ABL: Southeast Coastal Monitoring Project - CTD database

Publication date: Unknown

Edition: 2009

Geospatial data presentation form: maps or data

Description:

Abstract:

The Southeast Alaska Coastal Monitoring (SECM) project in Alaska was initiated in 1997 by the Auke Bay Laboratory, National Marine Fisheries Service, to study the habitat use and early marine ecology of juvenile (age-0) Pacific salmon (*Oncorhynchus* spp.) and associated epipelagic ichthyofauna. This research has been conducted to meet several needs identified in the National Oceanic and Atmospheric Administration (NOAA) Fisheries 2006-2011 Strategic Plan, the North Pacific Anadromous Fisheries Commission (NPAFC) 2006–2010 Science Plan, and the Gulf of Alaska Global Ocean Ecosystem Dynamics (GLOBEC) Program.

A primary goal of the 2006-2011 NOAA Fisheries Strategic Plan is to “Protect, Restore, and Manage the Use of Coastal and Ocean Resources Through an Ecosystem Approach to Management”. SECM research addresses the five fundamental activities identified under this goal, which include: Monitor and observe the land, sea, atmosphere.... Understand and describe how natural systems work together..., Assess and predict the changes in natural systems..., Engage, advise, and inform individuals, partners, communities, and industries..., and, Manage coastal and ocean resources... SECM research emphasizes long-term monitoring of coastal marine habitats used by juvenile salmon and associated epipelagic fishes, to understand how environmental variation affects the sustainability of these marine resources in an ecological context.

The study of juvenile anadromous stocks of salmon in ocean ecosystems is an important component of the NPAFC 2006-2010 Science Plan. This component recommends studies directed at understanding: seasonal

distribution and migration route/timing of juvenile salmon; hydrological characteristics, primary production, and prey resources in the habitats; trophic linkages, growth rates and predation rates of juvenile salmon; and population size, survival rate and survival mechanism of juvenile salmon. SECM research focuses on each of these elements of this component. In particular, SECM examines the relationships among habitat use, marine growth, hatchery and wild stock interactions, year-class strength, and ocean carrying capacity of key juvenile salmon stocks in the Eastern Pacific rim.

Research under the GLOBEC program incorporates basin-scale studies to determine how plankton productivity and the carrying capacity for high-trophic level, pelagic carnivores in the North Pacific Ocean change in response to climate variations, and incorporates regional-scale ecosystem studies to compare how variations in ocean climate affect species dominance and fish populations in the coastal margins of the Pacific Rim. SECM research addresses the regional-scale component of the GLOBEC program by 1) collecting biological data on juvenile Pacific salmon and ecologically related fish species from surface rope trawl samples, 2) monitoring physical and biological oceanographic indices at sampling stations in marine habitats, and 3) conducting process studies focusing on bioenergetics, prey fields, and trophic relationships of juvenile salmon and associated fishes.

Purpose:

This database contains the collected CTD profiles from annual monitoring by the Southeast Alaska Coastal Monitoring Project (SECM) of the Auke Bay Laboratory, in Juneau Alaska.

Time period of content:

Time period information:

Range of dates/times:

Beginning date: 19970511

Ending date: 20090830

Currentness reference:

ground condition

Status:

Progress: In work

Maintenance and update frequency: Annually

Spatial domain:

Description of geographic extent:

Southeast Alaska

Bounding coordinates:

West bounding coordinate: -137.71000

East bounding coordinate: -131.80200

North bounding coordinate: 58.36700

South bounding coordinate: 55.115

Keywords:**Theme:**

Theme keywords: Chlorophyll, Nutrients, Marine Habitat, Sea Surface Temperature, Salinity

Theme keyword thesaurus: Global Change Master Directory Parameter Valid

Theme:

Theme keywords: Biota, Oceans

Theme keyword thesaurus: ISO 19115

Place:

Place keywords: Icy Strait, Chatham Strait, Gulf of Alaska, Auke Bay, Clarence Strait

Place keyword thesaurus: Geographic Names Information System

Stratum:

Stratum keywords: surface

Stratum keyword thesaurus: None

Temporal:

Temporal keywords: Long Term

Temporal keyword thesaurus: None

Access constraints: There are no legal restrictions on access to the data. They reside in public domain and can be freely distributed.

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:**

Contact person: Joe Orsi

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

Contact address:

Address type: mailing and physical

Address:

17109 Point Lena Loop Road

City: Juneau

State or province: AK
Postal code: 99801
Country: USA

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

Contact electronic mail address: joe.orsi@noaa.gov

Contact instructions:

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

Data set credit:

GLOBEC, SSSF, NOAA/NMFS/AFSC

Native data set environment:

Microsoft Access 2003, Windows XP

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Data Quality Information:

Logical consistency report:

No logical consistency test were run.

Completeness report:

Data was collected at all sampling sites when possible. See cruise reports located at <http://www.afsc.noaa.gov/ABL/MarSalm/3pubother.htm> (site may need to be re-navigated due to updates) for completed vs planned sampling. This metadata file was created referencing the most current sampling plan/methodology.

Lineage:

Methodology:

Methodology type:

Field

Methodology description:

The CTD data were collected with a Sea-Bird1 SBE 19 Seacat profiler to 200 m or within 10 m of the bottom. Surface (3-m) temperature and salinity data were collected at 1-minute intervals with an onboard thermosalinograph (Sea-Bird SBE 21).

Process step:**Process description:**

No process steps have been described for this data set

Process date: Unknown

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Entity and Attribute Information:**Detailed description:****Entity type:**

Entity type label: Cast information

Entity type definition:

-no description-

Entity type definition source:

AFSC

Attribute:

Attribute label: Haul Number

Attribute definition:

Haul number

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: CTD cast alpha-numeric

Attribute definition:

Alpha numeric code for profile

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: CTD model number

Attribute definition:

Model number of profiler

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: CTD serial number

Attribute definition:

Serial number of profiler

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Con-file

Attribute definition:

Pathway to configuration file

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Hex-file

Attribute definition:

Pathway to hexadecimal file

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Cnv-file**Attribute definition:**

Pathway to conversion file

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:**

No domain defined.

Detailed description:**Entity type:****Entity type label:** Haul**Entity type definition:**

Vessel name of ship used

Entity type definition source:

AFSC

Attribute:**Attribute label:** Haul Number**Attribute definition:**

Haul Number (This table was updated 9-22-08 ef with new version from SECM database)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Cruise Number**Attribute definition:**

Cruise number assigned by ship includes all hauls from 1 month, AA-BB-CC A=vessel (JC=John Cobb), B=last 2 digits of year, C=# in sequence (1=first trip of year...)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Date**Attribute definition:**

Date of cruise, MM/DD/YY

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:** Month

Attribute definition:

Month of Sampling

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Time**Attribute definition:**

Time Osho started

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Station**Attribute definition:**

Station Code

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Systematic**Attribute definition:**

Systematic trawling (20 minute fishing) at the end of each month with Nordic 264 rope trawls at all strait (Icy-Chat and Clarence) and Icy Point stations (no 6.1 or 8.1 monthly intervals)

Attribute definition source:

AFSC

Attribute domain values:**Enumerated domain:**

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

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

Attribute:
Attribute label: Trawled
Attribute definition:
Trawl associated with haul#?
Attribute definition source:
AFSC

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

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

Attribute:
Attribute label: Water sample
Attribute definition:
Surface seawater sample taken for chlorophyll and nutrients

Attribute definition source:

AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** False**Enumerated domain value definition:**

False

Enumerated domain value definition source:

AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** True**Enumerated domain value definition:**

True

Enumerated domain value definition source:

AFSC

Attribute:**Attribute label:** Salinity**Attribute definition:**

Salinity (ppt) at 3 m depth

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Temperature**Attribute definition:**

Temperature (C) at 3 m depth

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Light Level**Attribute definition:**

Light level at surface (wt/m2)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Bdepth**Attribute definition:**

Bottom depth (m)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** CTD**Attribute definition:**

CTD wire out (m)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Secchi depth**Attribute definition:**

Depth that CTD disappears

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:**Attribute label:** Trawl Duration**Attribute definition:**

Time duration of trawl (min)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Trawl Type**Attribute definition:**

Small mesh NORDIC trawl or original mesh NORDIC trawl or townet two boat trawl

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Trawl Time Start**Attribute definition:**

Start time of trawl (24:00 time)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Trawl Time End**Attribute definition:**

End time of trawl (24:00 time)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start Latitude (deg)

Attribute definition:

Start latitude of trawl (degrees)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start Latitude (min)

Attribute definition:

Start latitude of trawl (minutes)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start Longitude (deg)

Attribute definition:

Start longitude of trawl (degrees)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start Longitude (min)

Attribute definition:

Start longitude of trawl (minutes)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: End Latitude (deg)

Attribute definition:

End latitude of trawl (degrees)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: End Latitude (min)

Attribute definition:

End latitude of trawl (minutes)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: End Longitude (deg)

Attribute definition:

End longitude of trawl (degrees)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** End Longitude (min)**Attribute definition:**

End longitude of trawl (minutes)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Jellies**Attribute definition:**

liters of red, yellow, clear, purple and salps

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Field Notes**Attribute definition:**

Misc. Field Notes

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

Free entry text field.

Attribute:**Attribute label:** 2001 diel #**Attribute definition:**

monthly diel interval (D1 04:00, D2 07:00, D3 10:00, D4-1 13:00, D4-2 13:00, D5 16:00, D6 19:00, D7 22:00)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Diel period**Attribute definition:**

Diel time period 1=0400, 2= 0700, 3=1000, 4=1300, 5= 1600, 6=1900, and 7=2200

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Replicate?**Attribute definition:**

additional trawling (2nd or higher time a station is sampled during a cruise) without full suite of biophysical samples

Attribute definition source:

AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** False**Enumerated domain value definition:**

False

Enumerated domain value definition source:

AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** True**Enumerated domain value definition:**

True

Enumerated domain value definition source:

AFSC

Attribute:

Attribute label: Day/Night

Attribute definition:

Based on Datasheet time of: Day=0600 to 2159, and Night=2200 to 0559, NOTE: Hauls coded at night outside this range because trawl start time are as follows are: 5034=2153, 5110=2217, and 5060=2220

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Eco-MonthGroup

Attribute definition:

Basic Month Grouping - 5 = May.....6.0 and 6.1 and 6.2 = 6 = June

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: 20-40 min trawl testing

Attribute definition:

Nordic trawling done to test effect of trawl duration on fish and jelly catch during daytime hauls (Strait habitats in 2001 and 2004)

Attribute definition source:

AFSC

Attribute domain values:

Enumerated domain:

Enumerated domain value: False

Enumerated domain value definition:

False

Enumerated domain value definition source:

AFSC

Attribute domain values:

Enumerated domain:

Enumerated domain value: True

Enumerated domain value definition:

True

Enumerated domain value definition source:

AFSC

Attribute:**Attribute label:** Vessel**Attribute definition:**

Vessel used for data collection

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

Field source not limited to list.

Attribute:**Attribute label:** DD-Start-Lat**Attribute definition:**

Decimal degrees + Latitude Start

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DD-Start-Long**Attribute definition:**

Decimal degrees - Longitude Start

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DD-Stop-Lat**Attribute definition:**

Decimal degrees + Latitude Stop

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: DD-Stop-Long

Attribute definition:

Decimal degrees - Latitude Stop

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Trawl track distance (km)

Attribute definition:

Distance between start and finish: 'Haversine' formula @ <http://www.movable-type.co.uk/scripts/latlong.html>

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Running date

Attribute definition:

Running date (20 May 1997 = 35570, 21 May 1998=35571, etc.)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:**Attribute label:** Julian date**Attribute definition:**

Julian date (23 May 02 = 144, 23 May 03 = 143, 24 June 97 = 176, 24 June 02 = 176, etc.)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:****Entity type label:** J-Salmon-Systematic-Catch-97-06NEW**Entity type definition:**

-no description-

Entity type definition source:

AFSC

Attribute:**Attribute label:** Region**Attribute definition:**

Region sampled (NSE=northern region of southeastern AK and SSE=southern region of southeastern AK)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Haul Number**Attribute definition:**

Unique consecutive haul number within each year (1001 is first haul in 1997, while 10,001 is first haul in 2006)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Locality**Attribute definition:**

Transect or area of sampling

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Month**Attribute definition:**

Month of sampling (i.e., 5=late May, 6=late June...)

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:** Date**Attribute definition:**

Date of sampling

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:**Attribute label:** Station**Attribute definition:**

Station code (See station table for defenitions)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Pink**Attribute definition:**

Juvenile pink catch

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Chum**Attribute definition:**

Juvenile chum catch

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Sock**Attribute definition:**

Juvenile sockeye catch

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Coho

Attribute definition:

Juvenile coho catch

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Chin

Attribute definition:

Juvenile chinook catch

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: LN-Pink

Attribute definition:

LN (Pink catch + 1)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: LN-Chum

Attribute definition:

LN (Chum catch +1)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** LN-Sock**Attribute definition:**

LN (Sock catch +1)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** LN-Coho**Attribute definition:**

LN (Coho catch +1)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** LN-Chin**Attribute definition:**

LN (Chin catch +1)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Zero hauls**Attribute definition:**

Hauls where no juvenile salmon were captured

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Temp**Attribute definition:**

Surface (3 m) temperature in Celsius

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Salin**Attribute definition:**

Surface (3 m) salinity in PSU

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SVZNor20m**Attribute definition:**

Settled zooplankton volume from 20 m vertical Norpac hauls

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DVZB3331(m2)**Attribute definition:**

Displaced volume of zooplankton per m2 from double oblique 333 Bongo hauls

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DVZB3331(m3)**Attribute definition:**

Displaced volume of zooplankton per m3 from double oblique 333 Bongo hauls

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DVZB5051(m2)**Attribute definition:**

Displaced volume of zooplankton per m2 from double oblique 505 Bongo hauls

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** DVZB5051(m3)**Attribute definition:**

Displaced volume of zooplankton per m3 from double oblique 505 Bongo hauls

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PkCmSoCh**Attribute definition:**

Combined juvenile pink, chum, sock, and chin, not including coho

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** LN-PkCmSoCh**Attribute definition:**

LN (Combined juvenile pink, chum, sock, and chin, not including coho +1)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:****Entity type label:** Mixed Layer Depth**Entity type definition:**

-no description-

Entity type definition source:

AFSC

Attribute:**Attribute label:** Haul_Number**Attribute definition:**

Unique identifier for each haul

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** MLD**Attribute definition:**

Mixed Layer Depth (m)

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Comments**Attribute definition:**

Comments

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:****Entity type label:** Nutrients-chlorophyll**Entity type definition:**

-no description-

Entity type definition source:

AFSC

Attribute:**Attribute label:** Haul Number**Attribute definition:**

4 digit number of haul

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Phosphate**Attribute definition:**

PO4

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Silicate**Attribute definition:**

Si(OH)4

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Nitrate**Attribute definition:**

NO3

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Nitrite

Attribute definition:

NO2

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Ammonium

Attribute definition:

NH4

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Chlorophyll

Attribute definition:

mg/m3

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Phaeopigment

Attribute definition:

mg/m3

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Depth

Attribute definition:

depth that water sample was taken normally @ surface (0m), 2005 has 20m samples

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Detailed description:

Entity type:

Entity type label: Profile

Entity type definition:

-no description-

Entity type definition source:

AFSC

Attribute:

Attribute label: Haul Number

Attribute definition:

Haul number (1000 = 1997, 2000 = 1998, etc.)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Depth

Attribute definition:

One meter depth increment

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Temperature

Attribute definition:

Degrees celsius measurments

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Salinity

Attribute definition:

PSU measurements

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Density

Attribute definition:

Sigma-t measurements

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Detailed description:

Entity type:

Entity type label: Station

Entity type definition:

-no description-

Entity type definition source:

AFSC

Attribute:

Attribute label: Region

Attribute definition:

Northern vs Southern SE Alaska (started 2005 for Northern Fund proposal)

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Habitat

Attribute definition:

Habitat/Region of station.

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Locality

Attribute definition:

Transect Name

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Station

Attribute definition:

Station Name

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Latitude Deg**Attribute definition:**

Degrees Latitude of station.

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Latitude Min**Attribute definition:**

Minutes Latitude of station.

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Longitude Deg**Attribute definition:**

Degrees Longitude of station.

Attribute definition source:

AFSC

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Longitude Min**Attribute definition:**

Minutes Longitude of station.

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Bottom Depth

Attribute definition:

Depth (meters) of water column.

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Shore Distance

Attribute definition:

Distance (km) from shore.

Attribute definition source:

AFSC

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Strait vs Coastal

Attribute definition:

Strait = Icy and Chatham, Coastal =Cross Sound and Icy Point

Attribute definition source:

AFSC

Attribute domain values:

Enumerated domain:

Enumerated domain value: False

Enumerated domain value definition:

False
Enumerated domain value definition source:
AFSC

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

Attribute:
Attribute label: All Systematic
Attribute definition:
All but ED series and non-systematic hauls
Attribute definition source:
AFSC

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

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

Attribute:
Attribute label: Core stations
Attribute definition:
Statiions Sampled Routinely ABM, Icy Strait, Upper Chatham, Icy Point
Attribute definition source:
AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** False**Enumerated domain value definition:**

False

Enumerated domain value definition source:

AFSC

Attribute domain values:**Enumerated domain:****Enumerated domain value:** True**Enumerated domain value definition:**

True

Enumerated domain value definition source:

AFSC

Attribute:**Attribute label:** 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.

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Distribution Information:

Distributor:

Contact information:

Contact person primary:

Contact person: Joe Orsi

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

Contact address:

Address type: mailing and physical

Address:

17109 Point Lena Loop Road

City: Juneau

State or province: AK

Postal code: 99801

Country: USA

Contact voice telephone: 907-789-6000

Contact facsimile telephone: 907-789-6094

Contact electronic mail address: joe.orsi@noaa.gov

Contact instructions:

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

Distribution liability:

The user is responsible for the results of any application of this data for other than its intended purpose.

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Metadata Reference Information:

Metadata date: 20070319

Metadata review date: 20100119

Metadata contact:

Contact information:

Contact person primary:**Contact person:** Emily Fergusson**Contact organization:** National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)**Contact position:** Metadata coordinator**Contact address:****Address type:** mailing and physical**Address:**

17109 Point Lena Loop Road

City: Juneau**State or province:** AK**Postal code:** 99801**Country:** USA**Contact voice telephone:** use e-mail as primary contact**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](#)