

## AFSC/ABL: Juvenile chum salmon allozyme stock identification, Gulf of Alaska 2000-2004

**Theme keywords:** Biota, 002, migration, stock identification, genetic variation, thermal marks, Chum salmon, *Oncorhynchus keta*

**Abstract:** Summer surveys (July–August) of juvenile salmon ecology along the continental shelf of the Gulf of Alaska are conducted annually by scientists from the Ocean Carrying Capacity program of the National Marine Fisheries Service's Auke Bay Laboratory. These surveys are an effort to link changes in salmon production to biological and physical factors in the ocean environment. An improved understanding of salmon distribution is one objective of this research. We identified the origin of juvenile chum salmon collected in transects from around the Gulf of Alaska in 2000 and 2001, using the presence of thermal marks in hatchery fish and the divergence of genetic characteristics among regional groups of populations.

### FGDC, ESRI, and Biological Profile Metadata:

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- [Data Quality 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 with ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

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### Identification Information:

**Citation:**

**Citation information:**

**Originators:** Kondzela, Chris, AFSC

**Title:**

AFSC/ABL: Juvenile chum salmon allozyme stock identification, Gulf of Alaska 2000-2004

**Publication date:** 2003

**Geospatial data presentation form:** maps and data

**Other citation details:**

Christine M. Kondzela, Edward V. Farley, Jr., and Richard L. Wilmot. 2003. Origin of Juvenile Chum Salmon from Gulf of Alaska Coastal Waters, 2000 and 2001 Determined from Genetic Variation and Hatchery Thermal Marks. NPAFC Tech. Report 5:22-23. Kondzela, C. and R. Wilmot. 2002. Origin of Juvenile Chum Salmon From Gulf of Alaska Coastal Waters, 2001. Alaska Fisheries Science Center Quarterly Report. 9 pg.

**Online linkage:** [http://www.npafc.org/new/pub\\_technical5.html](http://www.npafc.org/new/pub_technical5.html)

**Description:**

**Abstract:**

Summer surveys (July–August) of juvenile salmon ecology along the continental shelf of the Gulf of Alaska are conducted annually by scientists from the Ocean Carrying Capacity program of the National Marine Fisheries Service's Auke Bay Laboratory. These surveys are an effort to link changes in salmon production to biological and physical factors in the ocean environment. An improved understanding of salmon distribution is one objective of this research. We identified the origin of juvenile chum salmon collected in transects from around the Gulf of Alaska in 2000 and 2001, using the presence of thermal marks in hatchery fish and the divergence of genetic characteristics among regional groups of populations.

**Purpose:**

This data set contains the allozyme data used to identify chum salmon stocks captured in the Gulf of Alaska in 2000, 2001, 2003, and 2004.

**Time period of content:**

**Time period information:**

**Multiple dates/times:**

**Single date/time:**

**Calendar date:** 2000

**Single date/time:**

**Calendar date:** 2001

**Single date/time:**

**Calendar date:** 2003

**Single date/time:**

**Calendar date:** 2004

**Currentness reference:**

ground condition

**Status:**

**Progress:** In work

**Maintenance and update frequency:** Unknown

**Spatial domain:**

**Description of geographic extent:**

Alaska, Gulf of Alaska

**Bounding coordinates:**

**West bounding coordinate:** -157.4515

**East bounding coordinate:** -137.196167

**North bounding coordinate:** 60.040667

**South bounding coordinate:** 54.29

**Keywords:**

**Theme:**

**Theme keywords:** Biota, 002

**Theme keyword thesaurus:** ISO 19115 Topic Categories

**Theme:**

**Theme keywords:** migration, stock identification, genetic variation, thermal marks

**Theme keyword thesaurus:** None

**Theme:**

**Theme keywords:** Chum salmon, Oncorhynchus keta

**Theme keyword thesaurus:** ITIS

**Place:**

**Place keywords:** Alaska, Gulf of Alaska

**Place keyword thesaurus:** Geographic Names Information System

**Taxonomy:**

**Keywords/taxon:**

**Taxonomic keywords:** collection, single species, 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:** [Chordata](#)

**Taxonomic classification:**

**Taxon rank name:** [Subphylum](#)  
**Taxon rank value:** [Vertebrata](#)

**Taxonomic classification:**

**Taxon rank name:** [Superclass](#)  
**Taxon rank value:** [Osteichthyes](#)

**Taxonomic classification:**

**Taxon rank name:** [Class](#)  
**Taxon rank value:** [Actinopterygii](#)

**Taxonomic classification:**

**Taxon rank name:** [Subclass](#)  
**Taxon rank value:** [Neopterygii](#)

**Taxonomic classification:**

**Taxon rank name:** [Infraclass](#)  
**Taxon rank value:** [Teleostei](#)

**Taxonomic classification:**

**Taxon rank name:** [Superorder](#)  
**Taxon rank value:** [Protacanthopterygii](#)

**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:** [Salmoninae](#)

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

**Access constraints:** 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:****Contact person:** Chris Kondzela**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:** [chris.kondzela@noaa.gov](mailto:chris.kondzela@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:**

Funding provided by GLOBEC

**Native data set environment:**

Microsoft Excel Spreadsheet

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**Data Quality Information:****Logical consistency report:**

No logical consistency test were run.

**Completeness report:**

None

**Lineage:****Process step:****Process description:**

No process steps have been described for this data set

**Process date:** Unknown

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**Distribution Information:****Distributor:****Contact information:****Contact person primary:**

**Contact person:** Chris Kondzela

**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:** [chris.kondzela@noaa.gov](mailto:chris.kondzela@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:** 20081208

**Metadata review date:** 20100122

**Metadata contact:**

**Contact information:**

**Contact person primary:**

**Contact person:** Emily Fergusson

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

**Contact position:** Metadata coordinator

**Contact address:**

**Address type:** mailing and physical

**Address:**

17109 Point Lena Loop Road

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

**Contact voice telephone:** Use e-mail to contact the metadata coordinator.

**Contact facsimile telephone:** 907-789-6094

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

**Metadata standard name:** FGDC Biological Data Profile of the Content Standard for Digital Geospatial Metadata

**Metadata standard version:** FGDC-STD-001.1-1999

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