

AFSC/ABL: Origins of salmon seized from the F/V Petropavlovsk

Theme keywords: Biota, 002, pink salmon, chum salmon, *Oncorhynchus gorbuscha*, *Oncorhynchus keta*

Abstract: On 25 July 2001, the Russian factory trawler Petropavlovsk was seized in the Bering Sea seven miles into the U. S. EEZ by the U. S. Coast Guard. There was approximately 75 metric tons of pink and chum salmon onboard that the captain claimed were purchased from the Russian coastal fishing fleet off the east coast of Kamchatka. Samples of both pink and chum salmon were analyzed using stock identification methods to determine whether they were of Asian or North American origin. The origins of the chum salmon samples were 92% Asian and 8% North American by the standard maximum likelihood (MLE) method, and 100% Asian by the Bayesian method. The origins of the pink salmon samples were 85% Asian and 15% North American by the MLE method, and 99% Asian and 1% North American by the Bayesian method. Results of the analysis do not refute the F/V Petropavlovsk captain's statement that he purchased the salmon in Russian waters.

FGDC, ESRI, and Biological Profile Metadata:

- [Identification Information](#)
- [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 by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with **gray** text.

Identification Information:

Citation:

Citation information:

Originators: Kondzela, Chris, AFSC

Title:

AFSC/ABL: Origins of salmon seized from the F/V Petropavlovsk

Publication date: 2002

Geospatial data presentation form: maps and data

Other citation details:

C. M. Kondzela, S. Hawkins, C. M. Guthrie III, and R. L. Wilmot, R. 2002. Origins of salmon seized from the F/V Petropavlovsk. (NPAFC Doc. 598) Auke Bay Fisheries Laboratory, Alaska Fisheries Science Center, NMFS, NOAA, 11305 Glacier Highway, Juneau, AK 99801-8626. 10 pp.

Online linkage: http://www.npafc.org/new/pub_documents_2002.html

Description:

Abstract:

On 25 July 2001, the Russian factory trawler Petropavlovsk was seized in the Bering Sea seven miles into the U. S. EEZ by the U. S. Coast Guard. There was approximately 75 metric tons of pink and chum salmon onboard that the captain claimed were purchased from the Russian coastal fishing fleet off the east coast of Kamchatka. Samples of both pink and chum salmon were analyzed using stock identification methods to determine whether they were of Asian or North American origin. The origins of the chum salmon samples were 92% Asian and 8% North American by the standard maximum likelihood (MLE) method, and 100% Asian by the Bayesian method. The origins of the pink salmon samples were 85% Asian and 15% North American by the MLE method, and 99% Asian and 1% North American by the Bayesian method. Results of the analysis do not refute the F/V Petropavlovsk captain's statement that he purchased the salmon in Russian waters.

Purpose:

This dataset contains the data from genetic analyses of fish seized from the F/V Petrapavlovsk in 2001 in the Bering Sea.

Time period of content:

Time period information:

Single date/time:

Calendar date: 20010725

Currentness reference:

ground condition

Status:

Progress: Complete

Maintenance and update frequency: None planned

Spatial domain:

Description of geographic extent:

Alaska, Bering Sea

Bounding coordinates:**West bounding coordinate:** -178.7433**East bounding coordinate:** -178.7433**North bounding coordinate:** 60.575**South bounding coordinate:** 60.575**Keywords:****Theme:****Theme keywords:** Biota, 002**Theme keyword thesaurus:** ISO 19115 Topic Categories**Theme:****Theme keywords:** pink salmon, chum salmon, Oncorhynchus gorbuscha, Oncorhynchus keta**Theme keyword thesaurus:** ITIS**Place:****Place keywords:** Alaska, Bering Sea**Place keyword thesaurus:** Geographic Names Information System**Taxonomy:****Keywords/taxon:****Taxonomic keywords:** collection, multiple 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: gorbuscha
Applicable common names: pink
salmon

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

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:** 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**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.

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)

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Address:

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City: Juneau

State or province: AK

Postal code: 99801

Country: USA

Contact voice telephone: 907-789-6000
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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

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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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