

AFSC/ABL: Naknek sockeye salmon scale time series

Theme keywords: Biota, 002, Sockeye salmon, *Oncorhynchus nerka*, age, growth, scale

Abstract: A time series of scale samples (1956 – 2002) collected from adult sockeye salmon returning to Naknek River were retrieved from the Alaska Department of Fish and Game. These scales were digitized, revealing growth information for the freshwater and marine life history stages of sockeye salmon. The growth information will be related to time series of sockeye salmon production to Bristol Bay and oceanographic conditions within the Bering Sea and North Pacific Ocean.

FGDC, ESRI, and Biological Profile Metadata:

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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: Ed Farley, AFSC

Title:

AFSC/ABL: Naknek sockeye salmon scale time series

Publication date: Unknown

Geospatial data presentation form: maps and data

Description:

Abstract:

A time series of scale samples (1956 – 2002) collected from adult sockeye salmon returning to Naknek River were retrieved from the Alaska Department of Fish and Game. These scales were digitized, revealing growth information for the freshwater and marine life history stages of sockeye salmon. The growth information will be related to time series of sockeye salmon production to Bristol Bay and oceanographic conditions within the Bering Sea and North Pacific Ocean.

Purpose:

This spreadsheet contains the measurements of the scales for the age 1.2, 2.2, 1.3, and 2.3 sockeye salmon.

Time period of content:

Time period information:

Range of dates/times:

Beginning date: 1956

Ending date: 2002

Currentness reference:

ground condition

Status:

Progress: Complete

Maintenance and update frequency: Unknown

Spatial domain:

Description of geographic extent:

Naknek River system in Bristol Bay, Alaska

Bounding coordinates:

West bounding coordinate: -157.0655

East bounding coordinate: -156.423611

North bounding coordinate: 58.7186111

South bounding coordinate: 58.6845

Keywords:

Theme:

Theme keywords: Biota, 002

Theme keyword thesaurus: ISO 19115 Topic Categories

Theme:

Theme keywords: Sockeye salmon, *Oncorhynchus nerka*

Theme keyword thesaurus: ITIS

Theme:**Theme keywords:** age, growth, scale**Theme keyword thesaurus:** None**Place:****Place keywords:** Alaska, Naknek River**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](#)Applicable common names: [Salmon](#)**Taxonomic classification:**Taxon rank name: [Species](#)Taxon rank value: [Oncorhynchus](#)[nerka](#)Applicable common names: [Sockeye](#)
[salmon](#)

Access constraints: Contact the Point of Contact for access constraints if none are provided.

Use constraints:

User must read and fully comprehend the metadata prior to use. User must acknowledge the Originator when using the data set as a source. User must share data products developed using the source data set with the Originator. Data should not be used beyond the limits of the source scale.

Point of contact:

Contact information:**Contact person primary:****Contact person:** Ed Farley**Contact organization:** National Oceanic and Atmospheric Administration (NOAA) Alaska Fisheries Science Center (AFSC) Auke Bay Laboratories (ABL)**Contact address:****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:** ed.farley@noaa.gov**Contact instructions:**

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

Data set credit:

ADFG-collection 1956-2002

FATE paid for ageing and digitizing scales

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:

See the following cite for QAQC data analysis methodology: Hagen, P. T., D. S. Oxman, and B. A. Agler. 2001. Developing and deploying a high resolution imaging approach for scale analysis. Doc. 567, p. 11. North Pacific Anadromous Fish Commission, 889 Pender Street, Vancouver, Canada.

Lineage:**Methodology:****Methodology type:**

Lab

Methodology description:

Scale samples from the returning adult sockeye to the Naknek River were systematically selected from the ADFG archived collection for years 1956 to 2002. The scales were mounted on gum cards in the field. In the laboratory, impressions of the scales were made on plastic acetate cards (Arnold 1951).

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: Ed Farley

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: ed.farley@noaa.gov

Contact instructions:

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

Resource description: Offline data

Distribution liability:

The distributor denies liability if the data are incorrect, incomplete, or misused. Third party distribution of the data set is prohibited without written authorization by distributor.

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Metadata Reference Information:

Metadata date: 20081119

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:

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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