

AFSC/ABL: National Marine Fisheries Service - Alaska Sablefish Tag Database

Theme keywords: 002, Biota, sablefish, tagged fish

Abstract: This data set captures the tag release and recovery information for sablefish from the early 1970s until present. It also contains tag release and recovery data for several other species (shortspine thornyheads, Greeland turbot, Pacific sleeper sharks, spiny dogfish, and lingcod) which have been tagged by NMFS in AK since the late 1990s.

FGDC, ESRI, and Biological Profile Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Entity and Attribute Information](#)
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- [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: Nancy Maloney, Phil Rigby, AFSC

Title:

AFSC/ABL: National Marine Fisheries Service - Alaska Sablefish Tag Database

Publication date: Unknown

Geospatial data presentation form: maps and data

Description:

Abstract:

This data set captures the tag release and recovery information for sablefish from the early 1970s until present. It also contains tag release and recovery data for several other species (shortspine thornyheads, Greenland turbot, Pacific sleeper sharks, spiny dogfish, and lingcod) which have been tagged by NMFS in AK since the late 1990s.

Purpose:

This data set is used in the study of migration and growth rates of sablefish in the NE Pacific ocean.

Time period of content:

Time period information:

Range of dates/times:

Beginning date: 1972

Ending date: 2010

Currentness reference:

ground condition

Status:

Progress: In work

Maintenance and update frequency: Weekly

Spatial domain:

Description of geographic extent:

Aleutian Islands, Bering Sea, Gulf of Alaska, British Columbia, US West Coast

Bounding coordinates:

West bounding coordinate: 172.050000

East bounding coordinate: -130.9500

North bounding coordinate: 60.830000

South bounding coordinate: 36.550000

Keywords:

Theme:

Theme keywords: 002, Biota

Theme keyword thesaurus: ISO 19115 Topic Categories

Theme:

Theme keywords: sablefish, tagged fish

Theme keyword thesaurus: None

Place:

Place keywords: Alaska, Gulf of Alaska, Bering Sea, Aleutian Islands

Place keyword thesaurus: Geographic Names Information System

Place:

Place keywords: AK

Place keyword thesaurus: None

Taxonomy:

Keywords/taxon:

Taxonomic keywords: 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: 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: Squaliformes

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value: Somniosus pacificus
Applicable common names: Pacific sleeper shark

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: acanthias
Applicable common names: Spiny dogfish

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: [Pleuronectiformes](#)**Taxonomic classification:**Taxon rank name: [Suborder](#)Taxon rank value: [Pleuronectoidei](#)**Taxonomic classification:**Taxon rank name: [Family](#)Taxon rank value: [Pleuronectidae](#)**Taxonomic classification:**Taxon rank name: [Subfamily](#)Taxon rank value: [Hippoglossinae](#)**Taxonomic classification:**Taxon rank name: [Genus](#)Taxon rank value: [Reinhardtius](#)**Taxonomic classification:**Taxon rank name: [Species](#)

Taxon rank value:

[hippoglossoides](#)**Applicable common names:**[Greenland turbot](#)**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: fimbria

Applicable common names: sablefish

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: Sebastolobus

Taxonomic classification:

Taxon rank name: Species

Taxon rank value: alascanus

Applicable common names:
shortspine thornyhead

Access constraints: For scientific, management, and regulation compliance purposes, these data are confidential under the Magnuson-Stevens Fishery Conservation and Management Act; as amended, Public Law 109-479; 16 U.S.C. 1953; implemented at 50 CFR 679.50. Therefore unprocessed (raw) data can be shared only with authorized persons; however aggregated forms of the data are generally available.

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. The user must adhere to restrictions placed on publication of data by the Magnuson-Stevens Fishery Conservation and Management Act.

Point of contact:**Contact information:****Contact person primary:**

Contact person: Phil Rigby

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: phillip.rigby@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 Access database

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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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Entity and Attribute Information:

Detailed description:

Entity type:

Entity type label: Address

Entity type definition:

This table contains contact information of tag collector. This is a confidential table due to content.

Entity type definition source:

Database developer

Attribute:

Attribute label: AddID

Attribute definition:

code number for individual making tag recovery

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: FirstName

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: LastName
Attribute definition:
-no description-
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Add1
Attribute definition:
mailing address
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: Add2
Attribute definition:
-no description-
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: City
Attribute definition:
-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** State**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** ZipCode**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SDate**Attribute definition:**

Date of original entry

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: TagCount

Attribute definition:

Running total of tags recovered by individual

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: TrackTagCount

Attribute definition:

Enables tag count

Attribute definition source:

Database developer

Attribute domain values:

Enumerated domain:

Enumerated domain value: No

Enumerated domain value definition:

"No" if tag not counted

Enumerated domain value definition source:

Database developer

Attribute domain values:

Enumerated domain:

Enumerated domain value: Yes

Enumerated domain value definition:

"Yes" if tag was counted

Enumerated domain value definition source:

Database developer

Detailed description:

Entity type:

Entity type label: Area

Entity type definition:

This table gives boundaries of tag release and recovery areas

Entity type definition source:

Database developer

Attribute:**Attribute label:** AreaID**Attribute definition:**

Unique number assigned to each area

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** AreaName**Attribute definition:**

-No description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Boundary**Attribute definition:**

N S E & W lat & longs of area boundaries

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

Free entry text field.

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

This table contains records for each haul where fish were tagged and released

Entity type definition source:

Database developer

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

Code assigned to each vessel according to AFSC- ADP code book

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Number assigned to each cruise, unique within each vessel

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Number assigned to each haul, unique within each cruise number

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** HaulDate**Attribute definition:**

Date of haul (mm/dd/yyyy)

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: HLat

Attribute definition:

Release latitude in decimal degrees.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: HLng

Attribute definition:

Release longitude in decimal degrees.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Distance

Attribute definition:

Distance fished in nautical miles

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: StartDepth

Attribute definition:

Starting fishing depth measured in fathoms.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: EndDepth

Attribute definition:

Ending fishing depth measured in fathoms.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Duration

Attribute definition:

Length of gear soak

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: SST

Attribute definition:

Sea surface temperature (degrees C)

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: GearTemp

Attribute definition:

Gear temperature (degrees C)

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Gear

Attribute definition:

code assigned to each gear type according to AFSC - ADP code book

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: SDate

Attribute definition:

Auto-calculated field based on the date and time of creation.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:**

Entity type label: Recovery

Entity type definition:

This table contains records for each tagged fish recovered

Entity type definition source:

Database developer

Attribute:

Attribute label: RecDate

Attribute definition:

Date of recovery of tag (mm/dd/yyyy)

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** RLat**Attribute definition:**

Recovery latitude in decimal degrees.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** RLng**Attribute definition:**

Recovery longitude in decimal degrees.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SpeciesCD**Attribute definition:**

Auto-completed from the Release table at data entry, Assigned according to AFSC ADP codes.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PrimTagType**Attribute definition:**

2 letter code assigned to each tag, also called tag prefix.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PrimTagNum**Attribute definition:**

Tag number; the tag type, tag number, and recovery sequence (RecSeq) taken together, constitute a unique tag number.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SecTagType**Attribute definition:**

Secondary tag type; similar to the PrimTagType. Used in double tagging or re-release studies.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SecTagNum**Attribute definition:**

Secondary tag number; similar to the PrimTagNum. Used in double tagging or re-release studies.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Sex**Attribute definition:**

1=male, 2=female, 3=unknown

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** RSize**Attribute definition:**

Recovery fork length of fish in mm

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Weight**Attribute definition:**

Recovery weight of fish in grams

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Specimen**Attribute definition:**

Number assigned to fish if otoliths were collected

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Otoliths

Attribute definition:

Indicated weather otoliths collected: 1=yes 0=no

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Nation

Attribute definition:

Number code assigned to nation of recovery according to AFSC ADP codes.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: RDepth

Attribute definition:

Recovery depth measured in fathoms

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:**Attribute label:** Gear**Attribute definition:**

Code assigned to each gear type according to AFSC ADP codes.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Posit**Attribute definition:**

Codes representing degree of confidence in the position data given with each tag recovery.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** RVessel**Attribute definition:**

Research Vessel: AFSC ADP code assigned to each research vessel.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** RCruise**Attribute definition:**

Research Cruise: number assigned to each cruise (only used if vessel is a research vessel)

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: RHaul

Attribute definition:

Research Haul: number assigned to each haul, unique within each cruise number (only used if vessel is a research vessel)

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: SDate

Attribute definition:

Auto-calculated field based on the date and time of creation.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: ValidDate

Attribute definition:

Code to indicate level of reliability of recovery data.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: RecSeq

Attribute definition:

Recovery Sequence: first (1) or second (2) recovery of tag; required for tag uniqueness.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** AddID**Attribute definition:**

Address ID: a number code for the tag recoverer.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

This table contains records for each tagged fish released.

Entity type definition source:

Database developer

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

Code assigned to each vessel according to AFSC ADP codes.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Number assigned to each cruise

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Number assigned to each haul, unique within each cruise number.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** SpeciesCD**Attribute definition:**

Number assigned to each species, found in AFSC species code book.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PrimTagType**Attribute definition:**

2 letter code assigned to each tag, also called tag prefix.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: PrimTagNum

Attribute definition:

Tag number; the tag type, tag number, and recovery sequence (RecSeq) taken together, constitute a unique tag number.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: SecTagType

Attribute definition:

Secondary tag type; similar to the PrimTagType. Used in double tagging or re-release studies.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: SecTagNum

Attribute definition:

Secondary tag number; similar to the PrimTagNum. Used in double tagging or re-release studies.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: RelSize

Attribute definition:

Release size: fork length in mm at release.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Weight

Attribute definition:

Release weight: seldom used, measured in grams

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Condition

Attribute definition:

Condition of fish at release using AFSC ADP codes.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: SDate

Attribute definition:

Auto-calculated field giving the date and time of creation.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Stratum

Attribute definition:

Release depth in meters.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: RelSeq

Attribute definition:

Release sequence of tag: 1=first 2=second.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: HaulDepth

Attribute definition:

Release depth, in fathoms, calculated as: Stratum * 0.5468.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Sex

Attribute definition:

1=male, 2=female, 3=unknown

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Maturity

Attribute definition:

(used for spiny dogfish samples) 1=mature, 2=maturing, 3=mature-pregnant, 4=mature-male or not pregnant, 5=unknown, 6=ultrasound inconclusive

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Contact person: Phil Rigby

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: phillip.rigby@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 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: 20080918

Metadata review date: 20100308

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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