

AFSC/ABL: EVOS Humpack predation on herring survey data

Theme keywords: Biota, 002, Humpback whale, Megaptera novaeangliae, Photo identification, Photo ID, Herring, Clupea pallasii, Predation, Prey

Abstract: Pacific herring (*Clupea pallasii*) in Prince William Sound (PWS) have been classified as "not-recovered" by the Exxon Valdez Oil Spill Trustee Council. Predation by marine mammals has been cited as a factor in the failure of this population to rebound. We will assess the significance of humpback whale predation on herring in PWS, particularly in winter. Specifically we will estimate the number of whales foraging in winter, determine when and if there is a prey switch to herring, and how long whales focus on herring as prey. Year one was funded, small in scale with an intense monitoring strategy; year 2 would expand the scale up in area significantly.

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 [NBI 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: Moran, John, AFSC

Title:

AFSC/ABL: EVOS Humpack predation on herring survey data

Publication date: Unknown

Geospatial data presentation form: database and maps

Description:

Abstract:

Pacific herring (*Clupea pallasii*) in Prince William Sound (PWS) have been classified as "not-recovered" by the Exxon Valdez Oil Spill Trustee Council. Predation by marine mammals has been cited as a factor in the failure of this population to rebound. We will assess the significance of humpback whale predation on herring in PWS, particularly in winter. Specifically we will estimate the number of whales foraging in winter, determine when and if there is a prey switch to herring, and how long whales focus on herring as prey. Year one was funded, small in scale with an intense monitoring strategy; year 2 would expand the scale up in area significantly.

Purpose:

These data will be combined in a bioenergetic model to determine numbers of herring consumed (and energy content consumed). Lastly, the estimated numbers of herring consumed would be included in an age-structured model so that the significance of whale predation on herring recovery can be evaluated.

Time period of content:

Time period information:**Range of dates/times:****Beginning date:** 200608**Ending date:** 201002**Currentness reference:**

ground condition

Status:**Progress:** In work**Maintenance and update frequency:** Monthly**Spatial domain:****Description of geographic extent:**

Prince William Sound, Alaska, USA and Lynn Canal, Alaska, USA

Bounding coordinates:**West bounding coordinate:** -145.7915**East bounding coordinate:** -134.994833**North bounding coordinate:** 61.052433**South bounding coordinate:** 58.259233**Keywords:****Theme:****Theme keywords:** Biota, 002**Theme keyword thesaurus:** ISO 19115 Topic Categories**Theme:****Theme keywords:** Humpback whale, Megaptera novaeangliae, Photo identification, Photo ID, Herring, Clupea pallasii, Predation, Prey**Theme keyword thesaurus:** None**Place:****Place keywords:** AK, Alaska, Southeast Alaska, Prince William Sound**Place keyword thesaurus:** Geographic Names Information System**Taxonomy:****Keywords/taxon:****Taxonomic keywords:** collection, multiple species, animals, invertebrates, 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:** Mammalia**Taxonomic classification:**

Taxon rank name: Subclass
Taxon rank value: Theria

Taxonomic classification:
Taxon rank name: Infraclass
Taxon rank value: Eutheria

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Cetacea

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Mysticeti

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

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

Taxonomic classification:
Taxon rank name: Species
Taxon rank value:
 novaeangliae
Applicable common names: Humpback whale

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: Clupeomorpha

Taxonomic classification:
Taxon rank name: Order
Taxon rank value: Clupeiformes

Taxonomic classification:
Taxon rank name: Suborder
Taxon rank value: Clupeiodei

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

Taxonomic classification:**Taxon rank name:**

Subfamily

Taxon rank value:

Clupeinae

Taxonomic classification:**Taxon rank****name:** Genus**Taxon rank****value:** Clupea**Taxonomic classification:****Taxon****rank****name:**

Species

Taxon**rank****value:**

pallasii

Applicable**common****names:**

Pacific

herring

Access constraints: Contact the Point of Contact for data request form. See the EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL DATA POLICY for more information.

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. See the EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL DATA POLICY for more information.

Point of contact:**Contact information:****Contact person primary:****Contact person:** John Moran**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:** john.moran@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:
None

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: ItblBeaufort

Entity type definition:

-no description-

Entity type definition source:

Database developer

Attribute:

Attribute label: CODE

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: DESCRIPTION (abbreviated)

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: WIND SPEED (kts)

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: WAVE (m)
Attribute definition:
-no description-
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: ItblBehavior
Entity type definition:
-no description-
Entity type definition source:
Database developer

Attribute:
Attribute label: BEHAVIOR CODE
Attribute definition:
-no description-
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:
Attribute label: BEHAVIOR DESCRIPTION
Attribute definition:
-no description-
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:
Entity type:
Entity type label: ItblBiopsyReact
Entity type definition:
-no description-
Entity type definition source:
Database developer

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

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Biopsy_Reaction_Code

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: ItblDepthUnits

Entity type definition:
-no description-

Entity type definition source:
Database developer

Attribute:

Attribute label: Depth_Units

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Abbreviation

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: ItblEffortCode

Entity type definition:
-no description-

Entity type definition source:
Database developer

Attribute:

Attribute label: Effort Code

Attribute definition:
Start-end, start-off, on-end, on-off, off-on

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:**Entity type label:** ItblEndCode**Entity type definition:**
-no description-**Entity type definition source:**
Database developer**Attribute:****Attribute label:** End_Code**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:****Unrepresentable domain:**
No domain defined.**Attribute:****Attribute label:** End_Reason**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:****Unrepresentable domain:**
No domain defined.**Detailed description:****Entity type:****Entity type label:** ItblFlukeColor**Entity type definition:**
-no description-**Entity type definition source:**
Database developer**Attribute:****Attribute label:** FLUKE COLOR**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:****Unrepresentable domain:**
No domain defined.**Attribute:****Attribute label:** DESCRIPTION**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:****Unrepresentable domain:**
No domain defined.**Detailed description:****Entity type:****Entity type label:** ItblGPS_Datum**Entity type definition:**

-no description-

Entity type definition source:
Database developer

Attribute:

Attribute label: Datum Name

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Area Used

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: ItblGroupType

Entity type definition:
-no description-

Entity type definition source:
Database developer

Attribute:

Attribute label: Group_type_code

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Group_type

Attribute definition:
-no description-

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Detailed description:

Entity type:

Entity type label: ItblPlace_Names

Entity type definition:
-no description-

Entity type definition source:
Database developer

Attribute:**Attribute label:** place code**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Attribute:****Attribute label:** place name**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Attribute:****Attribute label:** subregion**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Attribute:****Attribute label:** abbrev_subregion**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Detailed description:****Entity type:****Entity type label:** ItblQuality**Entity type definition:**
-no description-**Entity type definition source:**
Database developer**Attribute:****Attribute label:** Photo Quality**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.

Attribute:**Attribute label:** Description**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Detailed description:****Entity type:****Entity type label:** ItblRegion**Entity type definition:**
-no description-**Entity type definition source:**
Database developer**Attribute:****Attribute label:** Region**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Attribute:****Attribute label:** Region_Code**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Detailed description:****Entity type:****Entity type label:** ItblResearchGroup**Entity type definition:**
-no description-**Entity type definition source:**
Database developer**Attribute:****Attribute label:** GROUP_CODE**Attribute definition:**
-no description-**Attribute definition source:**
Database developer**Attribute domain values:**
Unrepresentable domain:
No domain defined.**Attribute:****Attribute label:** GROUP

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PRINCIPAL RESEARCHERS**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Certainty**Attribute definition:**

Are you certain of this whale's role in the group?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Whale_Role_Code**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Whale_Role**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Detailed description:

Entity type:
Entity type label: ItblSpecies
Entity type definition:
 -no description-
Entity type definition source:
 Database developer

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

Attribute domain values:
Unrepresentable domain:
 No domain defined.

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

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Detailed description:

Entity type:
Entity type label: ItblStudyArea
Entity type definition:
 -no description-
Entity type definition source:
 Database developer

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

Attribute domain values:
Unrepresentable domain:
 No domain defined.

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

Attribute domain values:

Unrepresentable domain:

No domain defined.

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

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Body Part**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Description**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Sample Composition**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Storage**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** VESSEL_CODE**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** VESSEL**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** GROUP**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:****Entity type label:** ItblWeather

Entity type definition:

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** Weather**Attribute definition:**

What does the sky look like today?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Entity type definition source:

Database developer

Attribute:**Attribute label:** YES or NO**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Description**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

ESSENTIAL

Entity type definition source:

Database developer

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

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

Free entry text field.

Detailed description:

Entity type:

Entity type label: tblDefaults

Entity type definition:

-no description-

Entity type definition source:

Database developer

Attribute:

Attribute label: ID

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: DefaultVessel

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: DefaultResearchGroup

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Detailed description:

Entity type:

Entity type label: tblEffort

Entity type definition:

ESSENTIAL

Entity type definition source:

Database developer

Attribute:

Attribute label: Cruise_Code

Attribute definition:

Unique identifier for this cruise, automatically created in this form.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Autonum

Attribute definition:

Automatic numbering, user has no control over this and that's ok.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Research_Group

Attribute definition:

Four letter code unique to each research group, example: GB, HMMC, TDI, HNS

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Vessel

Attribute definition:

Research vessel for this effort. Needs to be here in case a research group sends out more than one vessel per day

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Cruise_Type

Attribute definition:

Is this a SPLASH dedicated cruise, or opportunistic data?

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Date

Attribute definition:

Eight character date example: 02/02/2004

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Year

Attribute definition:

Four-digit year, example 2004

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:**Attribute label:** Study_Area**Attribute definition:**

Subdivision of large geographic division, example:

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Large geographic division

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Subregion**Attribute definition:**

Area within study area where cruise took place

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Place**Attribute definition:**

Area within subregion where cruise took place. Use lookup table.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Start_Location**Attribute definition:**

Starting place, harbor or mooring

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** End_Location**Attribute definition:**

Ending place, harbor or mooring

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Start_Time_for_Day

Attribute definition:

what time did effort start? This can happen more than once during the day if there are breaks.

Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: End_Time_for_Day

Attribute definition:

what time did effort end? This can happen more than once during the day if there are breaks.

Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Nautical_Miles_Travelled

Attribute definition:

Use the GPS track log to determine or estimate how many nautical miles were covered during today's cruise.

Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Driver

Attribute definition:

Who is the vessel captain?

Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Other_Crew

Attribute definition:

Who else is on board?

Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:**Attribute label:** Beaufort**Attribute definition:**

Range of beaufort conditions for the day. More specific info can be derived from data sheets.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Swell**Attribute definition:**

Estimated height of swell

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Swell_Units(m,ft)**Attribute definition:**

units of swell height estimate

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Visibility**Attribute definition:**

how far is the visibility? Use number or "unlimited"

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Vis_Units(km/nm)**Attribute definition:**

units of visibility estimate

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Sight_Cond**Attribute definition:**

Sighting conditions can be good, fair, poor, based on the visibility, beaufort, swell and general weather

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Gen_Weather
Attribute definition:
 Sunny, Overcast, Partly Cloudy, Light Rain, Heavy Rain, Snow
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: GPS_Track
Attribute definition:
 Did you collect a GPS track of your travels on this day?
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: GPS_Datum
Attribute definition:
 Did you collect GPS data in WGS84 datum, the SPLASH required format?
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Effort_Notes
Attribute definition:
 Anything notable that does not fall into other categories on this form.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: EffortTime
Attribute definition:
 Sum of effort for today, calculated in form Effort
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: OffTime

Attribute definition:

Estimated time off effort, used in lieu of detailed start/end effort record

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:**

Entity type label: tblGenetics

Entity type definition:

TO BE DEVELOPED

Entity type definition source:

Database developer

Attribute:

Attribute label: Tissue_Sample_ID

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Obser_Code

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Whale_ID

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Haplotype

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Sex

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Microsatellites**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** Group_Code**Attribute definition:**

Unique identifier of this group, within this cruise. Automatically generated from Cruise Code and group number entered in forms.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Cruise_Code**Attribute definition:**

Unique identifier of this cruise. Created in Effort form.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Group_Number**Attribute definition:**

What sighting number is this for the day?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Date
Attribute definition:
 Date of cruise
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Start_Time
Attribute definition:
 What time did this observation begin? Use military time.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: End_Time
Attribute definition:
 What time did this observation end? Use military time.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: End_Code
Attribute definition:
 Why did this sighting end?
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: GPS_Datum
Attribute definition:
 What Datum setting was used on the GPS?
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Place
Attribute definition:
 SE Alaska place name codes are in lookup table.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start_Latitude

Attribute definition:

Latitude in degrees and decimal minutes of initial sighting location.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start_Longitude

Attribute definition:

Longitude in degrees and decimal minutes of initial sighting location.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: End_Latitude

Attribute definition:

Latitude in degrees and decimal minutes of where sighting ended.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: End_Longitude

Attribute definition:

Longitude in degrees and decimal minutes of where sighting ended.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Start_Depth

Attribute definition:

Water depth at start of sighting

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Depth_Units

Attribute definition:

Units of water depth measurement

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Species
Attribute definition:
 What species was this sighting? Humpback = Mn
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Group_Type
Attribute definition:
 Group type, example: adult, mother calf only,mother calf with others, singer, unknown
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Calf_Present
Attribute definition:
 Was there a calf in the group?
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Group_Best
Attribute definition:
 Best estimate of group size
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Group_Min
Attribute definition:
 Minimal estimate of group size
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Group_Max
Attribute definition:

Maximal estimate of group size

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Behav

Attribute definition:

General behavior of the group. Example: travel, milling, stationary, surface active,

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Sighting_Notes

Attribute definition:

Anything notable about this sighting that does not fit in categories above.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Photos_Entered

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Enumerated domain:

Enumerated domain value: False

Enumerated domain value definition:

False

Enumerated domain value definition source:

Database developer

Attribute domain values:

Enumerated domain:

Enumerated domain value: True

Enumerated domain value definition:

True

Enumerated domain value definition source:

Database developer

Detailed description:

Entity type:

Entity type label: tblGroup_Whale_Link

Entity type definition:

ESSENTIAL

Entity type definition source:

Database developer

Attribute:

Attribute label: Group_Code

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Whale_ID**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** ID**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Help**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

Free entry text field.

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** Obser_Code**Attribute definition:**

This is a permanent Field ID automatically assigned to each whale observation. Primary Key.

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Autonum
Attribute definition:
Autonumber

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Whale_ID
Attribute definition:

This is a required, automatically generated, editable common identifier that connects sightings of this animal on more than one occasion. Default is the Image Name for Best Fluke during this observation.

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Group_Code
Attribute definition:

Code identifying this group, automatically generated from Date, vessel, Group Number

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Date
Attribute definition:

Date of sighting

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Individual
Attribute definition:

In the field, each whale is named temporarily as A, B, C or 1,2,3 or by its role.

Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:**Attribute label:** Role**Attribute definition:**

Examples: Mother, Calf, Escort, Singer, Challenger, Adult, Juvenile

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Role_Certainty**Attribute definition:**

Yes or No. Are you sure this is the whale in the photos on this data record?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Photographer**Attribute definition:**

Three letter initials of the person who took the photo.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Best_Fluke**Attribute definition:**

Full frame number or link of the best fluke photo of this whale in this sighting.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Fluke_Quality**Attribute definition:**

G, F, P or IQ. Code indicating how good the photo is. Used to cull data out of mark-recapture analyses.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Biopsy_Dorsal_ID**Attribute definition:**

Full frame number or link of the dorsal fin / flank photo during biopsy of this whale in this sighting.

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Best_Dorsal
Attribute definition:
 Full frame number of the best dorsal fin photo of this whale in this sighting.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Best_Tailstock
Attribute definition:
 Full frame number of the best tailstock photo of this whale in this sighting.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Best_Scar
Attribute definition:
 Full frame number of the best scar photo of this whale in this sighting.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Best_Gender
Attribute definition:
 Full frame number of the best gender identification photo of this whale in this sighting.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Best_Other
Attribute definition:
 Full frame number of the best photos not defined in other fields of this whale in this sighting.
Attribute definition source:
 Database developer

Attribute domain values:
Unrepresentable domain:
 No domain defined.

Attribute:

Attribute label: Photo_Notes

Attribute definition:

Anything notable about the photos of this whale that does not fall into other categories on this form. Explain uncertainty if any.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Years_Best_Fluke

Attribute definition:

Yes or No. Is this the best fluke photograph of this whale for the season?

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Detailed description:

Entity type:

Entity type label: tblPregnancy

Entity type definition:

TO BE DEVELOPED

Entity type definition source:

Database developer

Attribute:

Attribute label: _Obser_Code

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Whale_ID

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Research_Group

Attribute definition:

-no description-

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

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

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Cruise_Type**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Pregnant**Attribute definition:**

yes or no

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

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

TO BE DEVELOPED

Entity type definition source:

Database developer

Attribute:**Attribute label:** Obser_Code**Attribute definition:**

Unique observation of this whale

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Whale_ID**Attribute definition:**

Permanent whale identification number common to all sightings of this animal

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Scar_Code**Attribute definition:**

Issued during analysis of tailstock scarring

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** FullPhotoID**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** PhotoID**Attribute definition:**

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** UseThis**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** HasBeenUsed**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Best_Dorsal**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

Attribute domain values:

Enumerated domain:**Enumerated domain value:** True**Enumerated domain value definition:**

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Best_Fluke**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Best_Tailstock**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Other_Image**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

Enumerated domain value definition:

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** VisiblePhotos**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Best_Gender**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Best_Scar**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

Attribute:**Attribute label:** Biopsy_Dorsal_ID**Attribute definition:**

-no description-

Attribute definition source:

Database developer

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

False

Enumerated domain value definition source:

Database developer

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

True

Enumerated domain value definition source:

Database developer

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** Time_ID**Attribute definition:**

Autonumbered primary key

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Cruise_Code

Attribute definition:

Unique identifier for this cruise, automatically created in this form.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Start_Effort

Attribute definition:

If you went off effort during day, what time was it?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: End_Effort

Attribute definition:

If you went off effort during day, what time did you resume effort?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Elapsed

Attribute definition:

Calculates how long you were off effort the first time, by subtracting End_Off_Effort1-Start_Off_Effort1

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Detailed description:**Entity type:**

Entity type label: tblTissue

Entity type definition:

ESSENTIAL

Entity type definition source:

Database developer

Attribute:

Attribute label: Tissue_id

Attribute definition:

A permanent automatically issued ID number for this tissue sampling event.

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:

Attribute label: Obser_Code

Attribute definition:

A permanent field ID code for this whale, automatically generated in Photos form

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Group_Code

Attribute definition:

Unique identifier for this group.

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Date

Attribute definition:

Date of sample or attempted sample

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Time

Attribute definition:

Time of sample or attempted sample

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Biopsier_initials

Attribute definition:

Initials of person who took the sample

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Distance

Attribute definition:

Estimated distance between vessel and whale at biopsy or attempt

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Sample_anatomy

Attribute definition:

What part of the whale's body (flank, fluke, unknown) did the biopsy sample come from?

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Sample_composition

Attribute definition:

What does the sample contain (blubber and skin, skin only, unknown)?

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Behav_Before

Attribute definition:

Whale behavior before biopsy or attempt

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Reaction_during

Attribute definition:

Whale reaction to biopsy or attempt during darting

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Behav_After

Attribute definition:

Whale behavior after biopsy or attempt

Attribute definition source:

Database developer

Attribute domain values:

Unrepresentable domain:

No domain defined.

Attribute:

Attribute label: Type(BHMS)

Attribute definition:

Result of sampling attempt. Example: biopsy, hit with no sample, miss, sloughed skin.

Attribute definition source:

Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Field_Sample#
Attribute definition:
Sample designator within the field day Example; UASE-12March2004-1. Add VESSEL CODE to this to prevent duplicates within your research group if necessary.
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Sample#_permanent
Attribute definition:
Permanent sample number for SPLASH using labelling protocol
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Storage
Attribute definition:
What method (liquid nitrogen, freezer, ethanol, DMSO, salt) was used to store the sample?
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Biopsy_Dorsal_ID
Attribute definition:
Image number of dorsal photo taken during biopsy
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

Attribute:

Attribute label: Sample_Notes
Attribute definition:
Any notable information about sample or attempt that does not fit in other categories here.
Attribute definition source:
Database developer

Attribute domain values:
Unrepresentable domain:
No domain defined.

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

ESSENTIAL

Entity type definition source:

Database developer

Attribute:**Attribute label:** Whale_ID**Attribute definition:**

Unique identifier that links all sightings of a particular whale

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Autonum**Attribute definition:**

Autonumber

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Alias**Attribute definition:**

List of former names and IDs for this whale, including temporary codes

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Fluke_Color**Attribute definition:**

Fluke color code 1 thru 5 (all white thru all black)

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Biopsy_yes_no**Attribute definition:**

Has this whale ever been biopsied?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

Examples: male, female, unknown

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Best_Fluke_Image_Ever**Attribute definition:**

What is the image name of the all-time best photograph of this whale?

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

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

-no description-

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

Free entry text field.

Attribute:**Attribute label:** Placeholder1**Attribute definition:**

for future use

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Placeholder2**Attribute definition:**

for future use

Attribute definition source:

Database developer

Attribute domain values:**Unrepresentable domain:**

No domain defined.

Attribute:**Attribute label:** Placeholder3**Attribute definition:**

for future use

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: John Moran

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: john.moran@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:

See the EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL DATA POLICY for more information.

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Metadata Reference Information:

Metadata date: 20080702

Metadata review date: 20100129

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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