

## AFSC/ABL: Lipid Dataset of Alaskan fish, marine mammals, and invertebrates

**Theme keywords:** 002, Biota, percent moisture, % moisture, %ash, %lipid, lipid class, % protein

**Abstract:** The Nutritional Ecology Laboratory maintains a database containing all of the biochemical data we collect. The database includes seasonal information regarding size, age, location, date, developmental stage, and maturity status of all the specimens we have examined. Samples range from phytoplankton to whales and seals. Depending on the objectives of specific studies, these data can be matched to measures of energy content, proximate, lipid class, and fatty acid composition.

### 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 [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.

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### Identification Information:

**Citation:**

**Citation information:**

**Originators:** Ron Heintz, Robert Bradshaw, AFSC

**Title:**

AFSC/ABL: Lipid Dataset of Alaskan fish, marine mammals, and invertebrates

**Publication date:** Unknown

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

**Description:**

**Abstract:**

The Nutritional Ecology Laboratory maintains a database containing all of the biochemical data we collect. The database includes seasonal information regarding size, age, location, date, developmental stage, and maturity status of all the specimens we have examined. Samples range from phytoplankton to whales and seals. Depending on the objectives of specific studies, these data can be matched to measures of energy content, proximate, lipid class, and fatty acid composition.

**Purpose:**

This lipid dataset captures nutritional information from fisheries, marine mammals, and invertebrates as collected from 1998 through the present.

**Time period of content:****Time period information:****Range of dates/times:**

**Beginning date:** 19970701

**Ending date:** 2009

**Currentness reference:**

ground condition

**Status:**

**Progress:** In work

**Maintenance and update frequency:** Continually

**Spatial domain:****Description of geographic extent:**

Bering Sea and Gulf of Alaska

**Bounding coordinates:**

**West bounding coordinate:** -179.8946

**East bounding coordinate:** -140.11637

**North bounding coordinate:** 68.05217

**South bounding coordinate:** 51.31983

**Keywords:****Theme:**

**Theme keywords:** 002, Biota

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

**Theme:**

**Theme keywords:** percent moisture, % moisture, %ash, %lipid, lipid class, % protein

**Theme keyword thesaurus:** None

**Taxonomy:**

**Keywords/taxon:**

**Taxonomic keywords:** multiple species, invertebrates, mammals, vertebrates

**Taxonomic keyword thesaurus:** none

**Taxonomic classification:**

**Taxon rank name:** Kingdom

**Taxon rank value:** Animalia

**Taxonomic classification:**

**Taxon rank name:** Phylum

**Taxon rank value:** Arthropoda

**Taxonomic classification:**

**Taxon rank name:** Subphylum

**Taxon rank value:** Crustacea

**Taxonomic classification:**

**Taxon rank name:** Class

**Taxon rank value:** Malacostraca

**Taxonomic classification:**

**Taxon rank name:** Subclass

**Taxon rank value:** Eumalacostraca

**Taxonomic classification:**

**Taxon rank name:** Superorder

**Taxon rank value:** Eucarida

**Taxonomic classification:**

**Taxon rank name:** Order

**Taxon rank value:** Decapoda

**Applicable common names:** shrimp

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Pleocyemata

**Taxonomic classification:**

**Taxon rank name:** Infraorder

**Taxon rank value:** Caridea

**Taxonomic classification:**

**Taxon rank name:** Superfamily

**Taxon rank value:** Pasiphaeoidea

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Pasiphaeidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Pasiphaea

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Pasiphaea pacifica

**Applicable common names:** Pacific glass  
shrimp

**Taxonomic classification:**

**Taxon rank name:** Order

**Taxon rank value:** Euphausiacea

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Euphausiidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Thysanoessa

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Thysanoessa inermis

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Thysanoessa raschii

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Thysanoessa spinifera***Taxonomic classification:**

Taxon rank name: Superorder

Taxon rank value: Peracarida

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Amphipoda

Applicable common names: amphipods

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Gammaridea

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Gammaridae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: *Gammarus***Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Hyperiidea

**Taxonomic classification:**

Taxon rank name: Infraorder

Taxon rank value: Physocephalata

**Taxonomic classification:**

Taxon rank name: Superfamily

Taxon rank value: Phronimoidea

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Hyperiidae

Applicable common names: hyperiids

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Themisto

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Themisto pacifica

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Mysida

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Mysidae

**Taxonomic classification:**

Taxon rank name: Class

Taxon rank value: Maxillopoda

**Taxonomic classification:**

Taxon rank name: Subclass

Taxon rank value: Copepoda

**Taxonomic classification:**

Taxon rank name: Infraclass

Taxon rank value: Neocopepoda

**Taxonomic classification:**

Taxon rank name: Superorder

Taxon rank value: Gymnoplea

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Calanoida

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Calanidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Calanus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Calanus marshallae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Neocalanus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Neocalanus cristatus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Neocalanus plumchrus

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Clausocalanidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Pseudocalanus

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Eucalanidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Eucalanus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Eucalanus bungii

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Metridinidae

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Metridia pacifica

**Taxonomic classification:**  
**Taxon rank name:** Subclass  
**Taxon rank value:** Thecostraca

**Taxonomic classification:**  
**Taxon rank name:** Infraclass  
**Taxon rank value:** Cirripectida  
**Applicable common names:** barnacles

**Taxonomic classification:**  
**Taxon rank name:** Subphylum  
**Taxon rank value:** Hexapoda

**Taxonomic classification:**  
**Taxon rank name:** Class  
**Taxon rank value:** Insecta

**Taxonomic classification:**  
**Taxon rank name:** Subclass  
**Taxon rank value:** Pterygota

**Taxonomic classification:**  
**Taxon rank name:** Infraclass  
**Taxon rank value:** Neoptera

**Taxonomic classification:**  
**Taxon rank name:** Order  
**Taxon rank value:** Diptera

**Taxonomic classification:**



**Taxon rank name:** Suborder  
**Taxon rank value:** Nematocera

**Taxonomic classification:**  
**Taxon rank name:** Infraorder  
**Taxon rank value:** Culicomorpha

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Chironomidae  
**Applicable common names:** midges

**Taxonomic classification:**  
**Taxon rank name:** Infraorder  
**Taxon rank value:** Tipulomorpha

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Tipulidae

**Taxonomic classification:**  
**Taxon rank name:** Subfamily  
**Taxon rank value:** Tipulinae

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

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

**Taxonomic classification:**  
**Taxon rank name:** Order  
**Taxon rank value:** Plecoptera  
**Applicable common names:** stoneflies

**Taxonomic classification:**  
**Taxon rank name:** Suborder  
**Taxon rank value:** Euholognatha

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Nemouridae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Nemourinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Zapada

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Systellognatha

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Perlodidae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Isoperlinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Isoperla

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Pteronarcyidae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Pteronarcyinae

**Taxonomic classification:**

Taxon rank name: Tribe

Taxon rank value: Pteronarcellini

**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Pteronarca

**Taxonomic classification:**

**Taxon rank name:** Order  
**Taxon rank value:** Trichoptera

**Taxonomic classification:**

**Taxon rank name:** Superfamily  
**Taxon rank value:** Glossosomatoidea

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Glossosomatidae

**Taxonomic classification:**

**Taxon rank name:** Subfamily  
**Taxon rank value:** Glossosomatinae

**Taxonomic classification:**

**Taxon rank name:** Tribe  
**Taxon rank value:** Glossosomatini

**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Glossosoma

**Taxonomic classification:**

**Taxon rank name:** Superfamily  
**Taxon rank value:** Limnephiloidea

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Brachycentridae

**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Brachycentrus

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Limnephilidae

**Taxonomic classification:**

**Taxon rank name:** Subfamily

**Taxon rank value:** Dicosmoecinae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Ecclisomyia

**Taxonomic classification:**

**Taxon rank name:** Infraclass

**Taxon rank value:** Palaeoptera

**Taxonomic classification:**

**Taxon rank name:** Order

**Taxon rank value:** Ephemeroptera

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Furcatergalia

**Taxonomic classification:**

**Taxon rank name:** Infraorder

**Taxon rank value:** Pannota

**Taxonomic classification:**

**Taxon rank name:** Superfamily

**Taxon rank value:** Ephemerelloidea

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Ephemerellidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Drunella

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Ephemerella

**Taxonomic classification:**

**Taxon rank name:** Suborder  
**Taxon rank value:** Pisciforma

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Baetidae

**Taxonomic classification:**

**Taxon rank name:** Superfamily  
**Taxon rank value:** Heptagenioidea

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Heptageniidae

**Taxonomic classification:**

**Taxon rank name:** Phylum  
**Taxon rank value:** Chaetognatha  
**Applicable common names:** chaetognaths

**Taxonomic classification:**

**Taxon rank name:** Phylum  
**Taxon rank value:** Chordata

**Taxonomic classification:**

**Taxon rank name:** Subphylum  
**Taxon rank value:** Tunicata

**Taxonomic classification:**

**Taxon rank name:** Class  
**Taxon rank value:** Appendicularia

**Taxonomic classification:**

**Taxon rank name:** Order  
**Taxon rank value:** Copelata

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Oikopleuridae

**Taxonomic classification:**

Taxon rank name: Subphylum

Taxon rank value: Vertebrata

**Taxonomic classification:**

Taxon rank name: Superclass

Taxon rank value: Agnatha

**Taxonomic classification:**

Taxon rank name: Class

Taxon rank value: Cephalaspidomorphi

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Petromyzontiformes

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Petromyzontidae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Petromyzontinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Lampetra

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Lampetra tridentata

Applicable common names: Pacific lamprey

**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: Rajiformes

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Arhynchobatidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Bathyraja

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Bathyraja interrupta

Applicable common names: Bering skate

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Bathyraja lindbergi

Applicable common names: Commander skate

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Bathyraja minispinosa

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Bathyraja parmifera

Applicable common names: Alaska skate

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Rhinoraja

**Taxonomic classification:**

**Taxon rank name:** Species  
**Taxon rank value:** Rhinoraja taranetzi

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Rajidae

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Raja binoculata  
**Applicable common names:** big skate

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Raja rhina  
**Applicable common names:** longnose skate

**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:** 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: Carnivora

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Caniformia

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Otariidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Callorhinus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Callorhinus ursinus

Applicable common names: Northern Fur Seal

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Eumetopias

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Eumetopias jubatus

Applicable common names: Steller Sea Lion

**Taxonomic classification:**

Taxon rank name: Order

**Taxon rank value:** Cetacea  
**Applicable common names:** porpoises

**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:** Balaenoptera

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Balaenoptera physalus  
**Applicable common names:** Fin Whale

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Megaptera novaeangliae  
**Applicable common names:** Humpback Whale

**Taxonomic classification:**  
**Taxon rank name:** Suborder  
**Taxon rank value:** Odontoceti

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Delphinidae

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

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Orcinus orca

Applicable common names: orca

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Physeteridae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Physeter

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Physeter macrocephalus

Applicable common names: Sperm 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: Acanthopterygii

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Gasterosteiformes

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Gasterosteoidei

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Aulorhynchidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Aulorhynchus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Aulorhynchus flavidus

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Perciformes

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Trachinoidei

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Ammodytidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Ammodytes

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Ammodytes hexapterus

**Applicable common names:** Pacific sand lance**Taxonomic classification:**

Taxon rank name: Family

**Taxon rank value:** Trichodontidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Trichodon

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Trichodon trichodon

**Applicable common names:** Pacific sandfish

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Zoarcoidei

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Bathymasteridae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Bathymaster

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Bathymaster signatus

**Applicable common names:** searcher

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Ronquilus

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Ronquilus jordani

**Applicable common names:** northern  
ronquil

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Pholidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Pholis

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Pholis laeta

Applicable common names: crescent  
gunnel**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Stichaeidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Lumpenus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Lumpenus sagitta

Applicable common names: snake  
prickleback**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Stichaeus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Stichaeus punctatus

Applicable common names: Arctic shanny

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Zaproridae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Zaprora

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Zaprora silenus*Applicable common names: *prowfish***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: *Hippoglossus***Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Hippoglossus**stenolepis*Applicable common names: *Pacific halibut***Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: *Reinhardtius***Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Reinhardtius**stomias*

**Applicable common names:**

arrowtooth flounder

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Hippoglossoidinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Hippoglossoides

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Hippoglossoides

elassodon

**Applicable common names:** flathead

sole

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Lyopsettinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Lyopsetta

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Lyopsetta exilis

**Applicable common names:** slender

sole

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Pleuronectinae

**Taxonomic classification:**

Taxon rank name: Tribe

Taxon rank value: Microstomini

**Taxonomic classification:**



**Taxon rank name:** Genus  
**Taxon rank value:** Glyptocephalus

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Glyptocephalus zachirus  
**Applicable common names:** rex  
sole

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Lepidopsetta  
bilineata  
**Applicable common names:**  
rock sole

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Lepidopsetta  
polyxystra  
**Applicable common names:**  
northern rock sole

**Taxonomic classification:**  
**Taxon rank name:** Tribe  
**Taxon rank value:** Pleuronectini

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Limanda  
aspera  
**Applicable common names:**

yellowfin sole

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Platichthys

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Platichthys  
stellatus

**Applicable common names:**  
starry flounder

**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:** Anoplopoma fimbria

**Applicable common names:** sablefish

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Cottoidei

**Taxonomic classification:**

**Taxon rank name:** Superfamily

**Taxon rank value:** Cottoidea

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Agonidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Pallasina

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Pallasina barbata

Applicable common names: tubenose  
poacher**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Podothecus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Podothecus

accipenserinus

Applicable common names: sturgeon  
poacher**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Cottidae

Applicable common names: scaleless sculpins

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Enophrys

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Enophrys bison

Applicable common names: buffalo  
sculpin

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: [Gymnocanthus](#)**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: [Gymnocanthus  
galeatus](#)**Applicable common names:**[armorhead sculpin](#)**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: [Hemilepidotus](#)**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: [Hemilepidotus  
hemilepidotus](#)**Applicable common names:** [red Irish  
lord](#)**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: [Hemilepidotus  
jordani](#)**Applicable common names:** [yellow  
Irish lord](#)**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: [Leptocottus](#)**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: [Leptocottus  
armatus](#)**Applicable common names:** [Pacific  
staghorn sculpin](#)**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Myoxocephalus

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Myoxocephalus  
polyacanthocephalus  
**Applicable common names:** great  
sculpin

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Oligocottus  
maculosus  
**Applicable common names:** tidepool  
sculpin

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Hemitripterae

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Blepsias bilobus  
**Applicable common names:** crested  
sculpin

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Blepsias cirrhosus  
**Applicable common names:**  
silverspotted sculpin

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Psychrolutidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Gilbertidia

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Gilbertidia sigalutes

**Taxonomic classification:**

Taxon rank name: Superfamily

Taxon rank value: Cyclopteroidea

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Cyclopteridae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Aptocyclinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Aptocyclus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Aptocyclus

ventricosus

**Applicable common names:**

smooth lumpsucker

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Liparidae

**Taxonomic classification:**

Taxon rank name: Genus

**Taxon rank value:** Careproctus

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Careproctus

melanurus

**Applicable common names:** blacktail  
snailfish

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Hexagrammoidei

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Hexagrammidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Hexagrammos

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Hexagrammos

decagrammus

**Applicable common names:** kelp greenling

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Hexagrammos stelleri

**Applicable common names:** whitespotted  
greenling

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Ophiodon

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Ophiodon elongatus

**Applicable common names:** molva

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Pleurogrammus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Pleurogrammus

monopterygius

Applicable common names: Atka mackerel

**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: Sebastes

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Sebastes aleutianus

Applicable common names: rougheye  
rockfish**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Sebastes alutus

Applicable common names: Pacific ocean  
perch**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Sebastes babcocki

Applicable common names: redbanded  
rockfish



**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes borealis*Applicable common names: shortraker  
rockfish**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes ciliatus*

Applicable common names: dusky rockfish

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes maliger*Applicable common names: quillback  
rockfish**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes polyspinis*Applicable common names: northern  
rockfish**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes proriger*Applicable common names: redstripe  
rockfish**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes ruberrimus*Applicable common names: rocote ojo  
amarillo**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Sebastes variegatus*Applicable common names: harlequin  
rockfish

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Sebastolobus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Sebastolobus alascanus

Applicable common names: shortspine  
thornyhead**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: Clupeoidei

**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: Clupea pallasii

Applicable common names: Pacific  
herring**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Sardinops

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Sardinops sagax  
**Applicable common names:** Pacific sardine

**Taxonomic classification:**  
**Taxon rank name:** Superorder  
**Taxon rank value:** Paracanthopterygii

**Taxonomic classification:**  
**Taxon rank name:** Order  
**Taxon rank value:** Gadiformes

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Gadidae

**Taxonomic classification:**  
**Taxon rank name:** Subfamily  
**Taxon rank value:** Gadinae

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Gadus macrocephalus  
**Applicable common names:** Pacific cod

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Theragra chalcogramma

**Applicable common names:** walleye pollock

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**Taxon rank name:** Family  
**Taxon rank value:** Merlucciidae

**Taxonomic classification:**

**Taxon rank name:** Subfamily  
**Taxon rank value:** Merlucciinae

**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Merluccius

**Taxonomic classification:**

**Taxon rank name:** Species  
**Taxon rank value:** Merluccius productus  
**Applicable common names:** Pacific whiting

**Taxonomic classification:**

**Taxon rank name:** Superorder  
**Taxon rank value:** Protacanthopterygii

**Taxonomic classification:**

**Taxon rank name:** Order  
**Taxon rank value:** Osmeriformes

**Taxonomic classification:**

**Taxon rank name:** Suborder  
**Taxon rank value:** Argentinoidei

**Taxonomic classification:**

**Taxon rank name:** Superfamily  
**Taxon rank value:** Argentinoidea

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Bathylagidae

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Bathylagus

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Bathylagus  
pacificus

**Applicable common names:** slender  
blacksmelt

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Leuroglossus

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Leuroglossus  
schmidti

**Applicable common names:** northern  
smoothtongue

**Taxonomic classification:**

**Taxon rank name:** Genus

**Taxon rank value:** Pseudobathylagus

**Taxonomic classification:**

**Taxon rank name:** Species

**Taxon rank value:** Pseudobathylagus  
milleri

**Taxonomic classification:**

**Taxon rank name:** Suborder

**Taxon rank value:** Osmeroidei

**Taxonomic classification:**

**Taxon rank name:** Superfamily

**Taxon rank value:** Osmeroidea

**Taxonomic classification:**

**Taxon rank name:** Family

**Taxon rank value:** Osmeridae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Hypomesus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Hypomesus

pretiosus

Applicable common names: surf  
smelt**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Mallotus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Mallotus villosus

Applicable common names: capelin

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Thaleichthys

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Thaleichthys

pacificus

Applicable common names: eulachon

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Salmoniformes

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Salmonidae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Salmoninae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Oncorhynchus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus gorbuscha

Applicable common names: pink salmon

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus keta

Applicable common names: chum salmon

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus kisutch

Applicable common names: coho salmon

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus mykiss

Applicable common names: steelhead

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus nerka

Applicable common names: sockeye  
salmon**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Oncorhynchus  
tshawytschaApplicable common names: chinook  
salmon or king salmon**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Salvelinus

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Salvelinus malma*

Applicable common names: Dolly Varden

**Taxonomic classification:**

Taxon rank name: Superorder

Taxon rank value: *Scopelomorpha***Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: *Myctophiformes***Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: *Myctophidae***Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: *Lampanyctinae***Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: *Diaphus***Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Diaphus theta*Applicable common names: California  
headlightfish**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: *Lampanyctus***Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: *Lampanyctus jordani***Taxonomic classification:**



**Taxon rank name:** Genus  
**Taxon rank value:** Stenobranchius

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Stenobranchius  
leucopsarus  
**Applicable common names:** northern  
lampfish

**Taxonomic classification:**  
**Taxon rank name:** Superorder  
**Taxon rank value:** Stenopterygii

**Taxonomic classification:**  
**Taxon rank name:** Order  
**Taxon rank value:** Stomiiformes

**Taxonomic classification:**  
**Taxon rank name:** Suborder  
**Taxon rank value:** Photichthyoidei

**Taxonomic classification:**  
**Taxon rank name:** Family  
**Taxon rank value:** Stomiidae

**Taxonomic classification:**  
**Taxon rank name:** Subfamily  
**Taxon rank value:** Chauliodontinae

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

**Taxonomic classification:**  
**Taxon rank name:** Species  
**Taxon rank value:** Chauliodus  
macouni  
**Applicable common names:** Pacific  
viperfish

**Taxonomic classification:**

Taxon rank name: [Phylum](#)  
Taxon rank value: [Cnidaria](#)  
Applicable common names: [coelenterates](#)

**Taxonomic classification:**

Taxon rank name: [Phylum](#)  
Taxon rank value: [Ctenophora](#)

**Taxonomic classification:**

Taxon rank name: [Phylum](#)  
Taxon rank value: [Mollusca](#)

**Taxonomic classification:**

Taxon rank name: [Class](#)  
Taxon rank value: [Cephalopoda](#)

**Taxonomic classification:**

Taxon rank name: [Subclass](#)  
Taxon rank value: [Coleoidea](#)

**Taxonomic classification:**

Taxon rank name: [Superorder](#)  
Taxon rank value: [Decabrachia](#)

**Taxonomic classification:**

Taxon rank name: [Order](#)  
Taxon rank value: [Teuthida](#)

**Taxonomic classification:**

Taxon rank name: [Suborder](#)  
Taxon rank value: [Myopsina](#)

**Taxonomic classification:**

Taxon rank name: [Family](#)  
Taxon rank value: [Loliginidae](#)

**Taxonomic classification:**

Taxon rank name: [Genus](#)  
Taxon rank value: [Loligo](#)

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Oegopsina

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Gonatidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Berryteuthis

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Berryteuthis magister

Applicable common names: magister armhook squid

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Gonatopsis

**Taxonomic classification:**

Taxon rank name: Subgenus

Taxon rank value: Gonatopsis (Boreoteuthis)

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Gonatopsis borealis

**Taxonomic classification:**

Taxon rank name: Superorder

Taxon rank value: Octobranchia

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Octopoda

**Taxonomic classification:**

Taxon rank name: Suborder

Taxon rank value: Incirrina

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Octopodidae

**Taxonomic classification:**

Taxon rank name: Subfamily

Taxon rank value: Octopodinae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Octopus

**Taxonomic classification:**

Taxon rank name: Class

Taxon rank value: Gastropoda

Applicable common names: snails

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Thecosomata

**Taxonomic classification:**

Taxon rank name: Family

Taxon rank value: Limacinidae

**Taxonomic classification:**

Taxon rank name: Genus

Taxon rank value: Limacina

**Taxonomic classification:**

Taxon rank name: Species

Taxon rank value: Limacina helicina

Applicable common names: helicid pteropod

**Taxonomic classification:**

Taxon rank name: Subclass

Taxon rank value: Opisthobranchia

**Taxonomic classification:**

Taxon rank name: Order

Taxon rank value: Gymnosomata

**Taxonomic classification:**

**Taxon rank name:** Family  
**Taxon rank value:** Clionidae

**Taxonomic classification:**

**Taxon rank name:** Genus  
**Taxon rank value:** Clione

**Taxonomic classification:**

**Taxon rank name:** Species  
**Taxon rank value:** Clione limacina

**Access constraints:** There are no legal restrictions on access to the data. They reside in public domain and can be freely distributed.

**Use constraints:**

User must read and fully comprehend the metadata prior to use. Data should not be used beyond the limits of the source scale. Acknowledgement of NOAA, as the source from which these data were obtained, in any publications and/or other representations of these data is suggested.

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

**Contact person:** Ron Heinz

**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:**

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**City:** Juneau

**State or province:** AK

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**Country:** USA

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

**Contact electronic mail address:** ron.heintz@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

[Back to Top](#)

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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

[Back to Top](#)

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**Entity and Attribute Information:****Detailed description:****Entity type:**

**Entity type label:** Code\_Length

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** LengthDescription

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** LengthCode

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Units

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

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**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

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**Attribute definition:**  
Project in SAMPLE  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** PI  
**Attribute definition:**  
Principle Investigator  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** ProjectDesc  
**Attribute definition:**  
Project description no more than 65,535 characters  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
Free entry text field.

**Detailed description:**

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**Entity type definition:**  
-no description-  
**Entity type definition source:**  
AFSC

**Attribute:**



**Attribute label:** Sex  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
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**Attribute definition:**  
-no description-  
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AFSC

**Attribute domain values:**  
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**Entity type definition:**  
-no description-  
**Entity type definition source:**  
AFSC

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**Attribute definition:**  
Coding used in the SAMPLE table to describe species  
**Attribute definition source:**  
AFSC

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No domain defined.

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**Attribute label:** CommonName  
**Attribute definition:**  
Full common name of species  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
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**Attribute label:** Genus  
**Attribute definition:**  
Genus  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
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**Attribute:**

**Attribute label:** Species  
**Attribute definition:**  
Species  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
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**Attribute:**

**Attribute label:** Specimen Type  
**Attribute definition:**  
General type of specimen: fish, invert (invertebrate), zoop (zooplankton)  
**Attribute definition source:**  
AFSC

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No domain defined.

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**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

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**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

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No domain defined.

**Attribute:**

**Attribute label:** WeightDescription

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

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**Attribute:**

**Attribute label:** Units

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

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**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

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**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Individual's Affiliation

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

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No domain defined.

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**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** Location Description

**Attribute definition:**

Common name of location

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Latitude

**Attribute definition:**

Latitude (N) Decimal degrees for GIS mapping

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Longitude

**Attribute definition:**

Longitude (W) Decimal degrees for GIS mapping

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Reported(R)orLooked-up(L)

**Attribute definition:**

Reported (R) by investigator. Looked-up (L) not reported on custody sheet found in Topozone.com

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

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**Entity type label:** Descriptions: QA

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

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No domain defined.

**Attribute:**

**Attribute label:** DESCRIPTION

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** START

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** STOP

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** INSTRUMENTATION

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

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**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** Region Description

**Attribute definition:**

Common name of location

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Descriptions: Tissue

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** Sub Tissue 2

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** tissue description

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Sub Tissue 1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**



No domain defined.

**Attribute:**

**Attribute label:** Tissue

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** LoadAshforBomb

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Ash

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** LoadMoistvalues

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Moisture

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Lookup: Age

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** AgeDescription

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Units

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AgeCode

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Lookup: Disposition

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** DispositionCode

**Attribute definition:**

disposition of sample: "new - #";"old - #";"thawed";"replacement";"unavailable"

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** DispositionDescription

**Attribute definition:**

description of DispositionCode

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** PROX

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number. "B" and "C" indicate that the <SIN> was run a second (B) or third (C) time for the QA. A "R" indicates that the <SIN> was run a second time for non-QA analyses.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSampMassLipid**Attribute definition:**

Extracted Wet Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Lipid**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Moisture**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** AshRun**Attribute definition:**

indicates when Ash analysis was done (i.e., "String" for %Ash). Includes year (xxxx) and number (xx).

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Ash**Attribute definition:**

% Ash of wet weight

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ProteinRun**Attribute definition:**

indicates when Protein analysis was done (i.e., "String" for %Protein). Includes year (xxxx) and number (xx).

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Protein

**Attribute definition:**

%Protein of dry weight w/2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Sample subtable: BearPreyProject

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Days in Stream

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Sex

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Status

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Detailed description:**

**Entity type:**

**Entity type label:** Sample subtable: Coho2 Project

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**



AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StableIsotope

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Clip

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** AlternateSample#

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** tbl: BIA

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Resistance

**Attribute definition:**

resistance in ohms to a 800 uA AC current at 50 kHz

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Reactants

**Attribute definition:**

reactance in ohms to a 800 uA AC current at 50 kHz

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Needle Length

**Attribute definition:**

distance between the two inside wire probes in millimeters

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Temp C

**Attribute definition:**

either the temperature of the fish, or the water it is placed in, or the water it came out of in degree Celcius

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** User

**Attribute definition:**

Name of the person inserting the electrodes

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Electrode ID

**Attribute definition:**

Identifies the electrodes used to measure Resistance and Reactance

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Identifies the instrument used to measure Resistance and Reactance

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** comment**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: Bomb**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis. OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SampMass

**Attribute definition:**

The amount of Sample Mass (g) used for Bomb

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Energy

**Attribute definition:**

energy density measured by CALORIMITY; measured in kJ/g dry tissue mass

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

comment

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: BombQA**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number. "B" and "C" indicate that the &lt;SIN&gt; was run a second (B) or third (C) time for the QA. A "R" indicates that the &lt;SIN&gt; was run a second time for non-QA analyses.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SampMass**Attribute definition:**

The amount of Sample Mass (g) use for the Bomb

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** BombEnergy

**Attribute definition:**

energy density measured by CALORIMITY; measured in kJ/g dry mass

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

comment

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** tbl: Composite

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** CompositeSin

**Attribute definition:**

assigned sin of composites of original sins if there is no original sin associated w/ composite sin see investigator for individual measurements

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** OriginalSin**Attribute definition:**

original number assigned for an individual sample/animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

name of project

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: Fatty Acid QC**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

These IDs can be negative and duplicated since they correspond to quality control samples and are referenced



by String. SIN followed by a "B" identifies sample as a replicate

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** String

**Attribute definition:**

Includes date (mm/dd/yr) and initials of person doing the grinding OR if the sample is so small the initials of the person doing the analysis i.e. indicates when Lipid analysis was done OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Replicate Num

**Attribute definition:**

Replicate #

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Investigator Number

**Attribute definition:**

Number assigned by other labs which did the analysis

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** GC Run Date

**Attribute definition:**

the date the lipid was injected into the GC column

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Lab

**Attribute definition:**

Lab where esterification occurred. Lookup table lists choices as "ABL"=Auke Bay Lab and "SCRI"=Scottish Crop Research Institute

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "ABL"

**Enumerated domain value definition:**

"ABL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "ASET"

**Enumerated domain value definition:**

"ASET"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "nwfsc"

**Enumerated domain value definition:**

"nwfsc"  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** "SCRI"  
**Enumerated domain value definition:**  
"SCRI"  
**Enumerated domain value definition source:**  
AFSC

**Attribute:**  
**Attribute label:** Concentration Units  
**Attribute definition:**  
units represented by the concentration values  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Tissue/Class  
**Attribute definition:**  
Tissue or class type i.e. total, tag, tissue, total lipid  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** EsterSampMass  
**Attribute definition:**  
Mass [(typically in mg) see 'concentration units' field] of tissue esterified calculated using the volume of lipid esterified and the mass of tissue extracted.  
**Attribute definition source:**  
AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**comments or Number assigned by MRS Lipid Analysis Unit - Scottish Crop Research Institute. Herring/Rec  
V.1.0**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 10:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 11:0**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 12:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 13:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 14:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 15:0

**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:0**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 17:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 24:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 12:1  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 14:1n9  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 14:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 14:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 15:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**



**Attribute label:** 16:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n5

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 17:1n8

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 17:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n13

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n9c+t  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n9c  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n9t  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n7  
**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n5

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n15

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n11+9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11+9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:1n5

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 24:1n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:2n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:2n4

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:3n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:3n4

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.



**Attribute:****Attribute label:** 16:4n1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n6c+t**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n6c**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:2n6t  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:2n4  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:3n6  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:3n4  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:3n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:3n1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:4n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:4n1  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 20:2n11  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 20:2n9  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 20:2n6  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n3+4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 20:4n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 20:5n6  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 20:5n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 21:5n3  
**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:2n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:3n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:4n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:5n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:5n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:6n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**



**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 4,8,12-Me-13:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 11-Me-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-15:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-15:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 2,6,10,14-Me-15:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-16:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-16:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 7-Me-16:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 7,8-Me-C16:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-17:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-17:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-18:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-18:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Unknown FA  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Total Sats  
**Attribute definition:**  
Total Sats are all the sats that end in :0, excluding branched sats  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Total Mono  
**Attribute definition:**  
Total Monos are the sum of the (xx:1nx) FAs, excluding branched  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Total PUFA  
**Attribute definition:**  
Total PUFA are the sum (where the #n is >1)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total Branched**Attribute definition:**

Total Branched is the sum of all branched fatty acids

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total trans**Attribute definition:**

Total trans is the sum of anything that has a 't' after it (but not c+t) (ie 18:1n9t)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Overall Total**Attribute definition:**

suOverall Total is the sum of all the fatty acids starting with 10:0 and ending with ante-18:0m of fatty acid profile per SIN

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n11**Attribute definition:**

Total n11 will be everything of the form xx: #n11

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n9**Attribute definition:**

Total n9 will be everything of the form xx: #n9

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n7**Attribute definition:**

Total n7 will be everything of the form xx: #n7

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n6**Attribute definition:**

Total n6 will be everything of the form xx: #n6

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n3**Attribute definition:**

Total n3 will be everything of the form xx: #n3

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** n3/n6 Ratio**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSurr Recov%**Attribute definition:**

Extracted Surrogate Recovery %

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** EstSurr Recov%**Attribute definition:**

Esterified Surrogate Recovery %

**Attribute definition source:**



AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** IIS Recov%

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Quant FA

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** tbl: FattyAcid

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** String

**Attribute definition:**

The date the lipid was extracted

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Investigator Number

**Attribute definition:**

Number assigned by other labs which did the analysis

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** GC Run Date

**Attribute definition:**

the date the lipid was injected into the GC column

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Lab

**Attribute definition:**

Lab where esterification occurred. Lookup table lists choices as "ABL"=Auke Bay Lab and "SCRI"=Scottish Crop Research Institute

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "ABL"

**Enumerated domain value definition:**

"ABL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "SCRI"

**Enumerated domain value definition:**

"SCRI"

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Concentration Units

**Attribute definition:**

units represented by the concentration values

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Tissue/Class

**Attribute definition:**

Tissue or class type i.e. total, tag, tissue, total lipid

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** EsterSampMass**Attribute definition:**

Mass [(typically in mg) see 'concentration units' field] of tissue esterified calculated using the volume of lipid esterified and the mass of tissue extracted.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

Comment, Number assigned by MRS Lipid Analysis Unit - Scottish Crop Research Institute. Herring/Rec V.1.0

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 10:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 11:0**Attribute definition:**

no decription

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 12:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 13:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 15:0  
**Attribute definition:**  
no description  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 16:0  
**Attribute definition:**  
no description  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 17:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 24:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 12:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 14:1n9  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 14:1n7  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 14:1n5  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 15:1n5  
**Attribute definition:**



-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 17:1n8**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 17:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:1n13**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:1n9c+t**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:1n9c**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:1n9t**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n5

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n15

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n11+9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11+9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:1n7  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:1n5  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 24:1n9  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 16:2n6  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:2n4**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:3n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:3n4**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**



**Attribute label:** 16:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:4n1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n6c+t

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n6c

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n6t

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n4

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:3n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n4  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n1  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:4n3  
**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:4n1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:2n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:2n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:2n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:3n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:3n3+4n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:3n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:4n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:4n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:5n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:5n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 21:5n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:2n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:3n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:5n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:5n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.



**Attribute:****Attribute label:** 22:6n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 4,8,12-Me-13:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 11-Me-14:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** iso-15:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** ante-15:0  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 2,6,10,14-Me-15:0  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-16:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-16:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 7-Me-16:1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 7,8-Me-C16:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-17:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-17:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-18:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-18:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Unknown FA

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total Sats

**Attribute definition:**

Total Sats are all the sats that end in :0, excluding branched sats

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total Mono

**Attribute definition:**

Total Monos are the sum of the (xx:1nx) FAs, excluding branched

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total PUFA**Attribute definition:**

Total PUFA are the sum (where the #n is &gt;1)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total Branched**Attribute definition:**

Total Branched is the sum of all branched fatty acids

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total trans**Attribute definition:**

Total trans is the sum of anything that has a 't' after it (but not c+t) (ie 18:1n9t)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Overall Total**Attribute definition:**

suOverall Total is the sum of all the fatty acids starting with 10:0 and ending with ante-18:0m of fatty acid profile per SIN

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n11

**Attribute definition:**

Total n11 will be everything of the form xx: #n11

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n9

**Attribute definition:**

Total n9 will be everything of the form xx: #n9

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n7

**Attribute definition:**

Total n7 will be everything of the form xx: #n7

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n6**Attribute definition:**

Total n6 will be everything of the form xx: #n6

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n3**Attribute definition:**

Total n3 will be everything of the form xx: #n3

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** n3/n6 Ratio**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSurr Recov%**Attribute definition:**

Extracted Surrogate Recovery %

**Attribute definition source:**

AFSC



**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** EstSurr Recov%  
**Attribute definition:**  
Esterified Surrogate Recovery %  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** IIS Recov%  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Quant FA  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Detailed description:**  
**Entity type:**  
**Entity type label:** tbl: LipidClass  
**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** QcBatch

**Attribute definition:**

QcBatch - chem lab tracking code includes date.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Dilution

**Attribute definition:**

Dilution of sample lipid extract made to get analyte concentration into appropriate range for instrumental analysis (by ELSD)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Rep

**Attribute definition:**

Replicate number - indicates if sample was reanalyzed. 1=default, 2=sample reanalyzed.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SampVol

**Attribute definition:**

Total Sample Vol (ul)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SampWt

**Attribute definition:**

Sample Weight (g)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** CE/WE

**Attribute definition:**

Cholesterol Ester/Wax Ester. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** TAG**Attribute definition:**

Triacylglyceride. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Chol**Attribute definition:**

Cholesterol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** MAG**Attribute definition:**

Monolein. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** FFA**Attribute definition:**

Free Fatty Acids. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PE**Attribute definition:**

Phosphaphatidylethnolamine. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PI**Attribute definition:**

Phosphatidylinositol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PC**Attribute definition:**

Phosphytidylcholine. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Sphingo**Attribute definition:**

Sphingomyelin. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SumUncalCompounds

**Attribute definition:**

Sum of uncalibrated compounds. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** DAG (?)

**Attribute definition:**

Diacylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** LysoPC

**Attribute definition:**

Lysolecithin. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ~4 (TAG?)

**Attribute definition:**

~4.4 (TAG?). mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PG (?)

**Attribute definition:**

Phosphatidylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** DPG (?)

**Attribute definition:**

Diphosphatidylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** NormTo**Attribute definition:**

Describes what the sample was normalized to. Lookup table lists choices of "tissue" and "lipid".

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "Lipid"**Enumerated domain value definition:**

"Lipid"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "Tissue"**Enumerated domain value definition:**

"Tissue"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** PS (?)**Attribute definition:**

Phosphatidylserine

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: LipidClassQA**Entity type definition:**

-no description-

**Entity type definition source:**



AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number. These IDs can be negative and duplicated since they correspond to quality control samples and are referenced by QcBatch

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** QcBatch

**Attribute definition:**

QcBatch - chem lab tracking code includes date.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Dilution

**Attribute definition:**

Dilution of sample lipid extract made to get analyte concentration into appropriate range for instrumental analysis (by ELSD) "-99" = data not available

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Rep

**Attribute definition:**

Replicate number. Entry >1 indicates that sample was re-analyzed.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SampVol**Attribute definition:**

Total Sample Vol (ul). "-99" = data not available

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SampWt**Attribute definition:**

Sample weight (wet) for analysis in gm. "-99" = data not available

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** CE/WE**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** TAG

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Chol

**Attribute definition:**

Cholesterol. mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** MAG

**Attribute definition:**

Monolein. mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** FFA

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PE

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PI

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PC

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Sphingo

**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SumUncalCompounds**Attribute definition:**

Sum of uncalibrated compounds. mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DAG (?)**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** LysoPC**Attribute definition:**

mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ~4 (TAG?)

**Attribute definition:**

4.34 (TAG?). mg/g Tissue OR mg/g Lipid as indicated by the NormTo field in LipidClass table.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PS (?)

**Attribute definition:**

Phosphatidylserine

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Units

**Attribute definition:**

Units

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ELSDDate**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: Parts**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** WholeSin**Attribute definition:**

original sin number assigned for whole animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PartsSin**Attribute definition:**

sin number assigned for a specific part of tissue removed from an animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

Project title

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** tissue**Attribute definition:**

Tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: ProxComp**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.



**Attribute:****Attribute label:** String**Attribute definition:**

Includes date (mm/dd/yr) and initials of person doing the grinding OR if the sample is so small the initials of the person doing the analysis i.e. indicates when Lipid analysis was done OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** ExtrSampMassLipid**Attribute definition:**

Extracted Wet Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Lipid**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Moisture

**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AshRun

**Attribute definition:**

indicates when Ash analysis was done (i.e., "String" for %Ash). Includes year (xxxx) and number (xx). OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Ash

**Attribute definition:**

%Ash of wet weight. -500 = not enough sample available for analysis

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ProteinRun

**Attribute definition:**

indicates when Protein analysis was done (i.e., "String" for %Protein). Includes year (xxxx) and number (xx).  
OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Protein

**Attribute definition:**

%Protein of dry weight

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** NitrogenMethod

**Attribute definition:**

coded description of protein estimation. Lookup table lists choices: SUB = subtraction; KEL = kjeldahl method;  
NIT = nitrogen analyzer

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "KEL"

**Enumerated domain value definition:**

"KEL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "NIT"

**Enumerated domain value definition:**

"NIT"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "SUB"**Enumerated domain value definition:**

"SUB"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** VitA**Attribute definition:**

total vitamin A (ug/100g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** VitE**Attribute definition:**

total vitamin E (ug/100g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** RNA/DNA**Attribute definition:**

RNA/DNA ratio.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: ProxCompQA**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number. "B" and "C" indicate that the &lt;SIN&gt; was run a second (B) or third (C) time for the QA. A "R" indicates that the &lt;SIN&gt; was run a second time for non-QA analyses.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSampMassLipid**Attribute definition:**

Extracted Wet Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Lipid

**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Moisture

**Attribute definition:**

%result w/ 2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AshRun

**Attribute definition:**

indicates when Ash analysis was done (i.e., "String" for %Ash). Includes year (xxxx) and number (xx).

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Ash

**Attribute definition:**

% Ash of wet weight

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ProteinRun

**Attribute definition:**

indicates when Protein analysis was done (i.e., "String" for %Protein). Includes year (xxxx) and number (xx).

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Protein

**Attribute definition:**

%Protein of dry weight w/2 decimal places

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: Request**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** String**Attribute definition:**

leave blank until string is processed and given a name MMDDYY(initials of grinder)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Matrix**Attribute definition:**

animal type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.



**Attribute:****Attribute label:** Lipid Analysis**Attribute definition:**

Enter Yes or NO

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Proximate Composition**Attribute definition:**

Enter M (moist), A (ash), P(protien) i.e.MAP or MP or MA

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Lipid Class**Attribute definition:**

Enter Yes or NO

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Fatty Acid**Attribute definition:**

Enter Yes or NO

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Fatty Acid Substrate  
**Attribute definition:**  
Enter Total or NO  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** RNA/DNA  
**Attribute definition:**  
Enter Yes or NO  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Bomb  
**Attribute definition:**  
Enter Yes or NO  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** Other  
**Attribute definition:**  
comment or other request

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

Project title

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

(mm//dd//yyyy)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** tbl: Sample**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** InvestNo**Attribute definition:**

Investigator's ID# (For HerringHeart Project 1-1=slide#-fish#)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DateColl**Attribute definition:**

Date sample was collected (mm//dd//yyyy) For no date leave blank do not enter -400

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SpeciesCode**Attribute definition:**

Species name or description.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Unable to resolve domain.

**Attribute:**

**Attribute label:** Tissue

**Attribute definition:**

Tissue type or composite sample enter "composite" here and number used for the composite in Tissue# field

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Location

**Attribute definition:**

Location where sample was collected. Look in "Sample subtable: Location" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Length

**Attribute definition:**

Length of sample - measured in mm or m, depending on LnDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** LnDsc

**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Weight

**Attribute definition:**

Weight of sample (g) see "WtDsc" column for description of parts or composite measured either dry or wet.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** WtDsc

**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Age

**Attribute definition:**

Animal age in total number of years.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AgeCode

**Attribute definition:**

Code indicating unit of age measurement. Lookup: Age : Ttable lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Sex of sample: M=male, F=female,U= unknown, U (M?) unknown sex, may be male, U (F?) unknown sex, may be female

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** -400**Enumerated domain value definition:**

investigator did not report sex

**Enumerated domain value definition source:**

AFSC

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

female

**Enumerated domain value definition source:**

AFSC

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

male

**Enumerated domain value definition source:**

AFSC

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

unknown sex, investigator looked but could not determine sex  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** U (F?)

**Enumerated domain value definition:**

unknown sex, may be female

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** U (M?)

**Enumerated domain value definition:**

unknown sex, may be male

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

Comments

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments2

**Attribute definition:**

Additional Comments

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.



**Attribute:****Attribute label:** Project**Attribute definition:**

Project title. Look in "Sample subtable: Project" for full description of each project. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** Latitude**Attribute definition:**

Latitude (N) Decimal degrees for GIS mapping

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Longitude**Attribute definition:**

Longitude (W) Decimal degrees for GIS mapping

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Region where sample was collected. Look in "Sample subtable: Region" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Tissue#

**Attribute definition:**

N of composite or when organs and/or tissues have been sampled. Tissue# links a whole animal with its sampled parts. Tissue# for whole animal is its own SIN plus "-w" (e.g., 200652-w). Tissue# for parts is the "whole animal" SIN plus "-p" (e.g., 200652-p).

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SubLocation

**Attribute definition:**

SubLocation abbreviation. Typically additional info. about location

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** CollectorName

**Attribute definition:**

Name of person(s) who(m) collected sample enter as Last name, First initial ex. (Greenwell,D)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** SubTissue1

**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** SubTissue2

**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "-400"

**Enumerated domain value definition:**

"-400"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "distal"

**Enumerated domain value definition:**

"distal"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "entire"

**Enumerated domain value definition:**

"entire"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:****Enumerated domain value:** "proximate"**Enumerated domain value definition:**

"proximate"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** LifeStage**Attribute definition:**

Lookup table lists choices as adult, juvenile, YOY, smolt, par, fry, larva, and egg.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "adult"**Enumerated domain value definition:**

"adult"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "egg"**Enumerated domain value definition:**

"egg"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "f"**Enumerated domain value definition:**

"f"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "fry"

**Enumerated domain value definition:**

"fry"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "juvenile"**Enumerated domain value definition:**

"juvenile"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "larva"**Enumerated domain value definition:**

"larva"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "m"**Enumerated domain value definition:**

"m"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "par"**Enumerated domain value definition:**

"par"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "smolt"**Enumerated domain value definition:**

"smolt"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "YOY"

**Enumerated domain value definition:**

"YOY"

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Maturity

**Attribute definition:**

Maturation stage. Lookup table lists choices as mature, immature, and post-spawn.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "-400"

**Enumerated domain value definition:**

"-400"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "immature"

**Enumerated domain value definition:**

"immature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "mature"

**Enumerated domain value definition:**

"mature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "post-spawn"

**Enumerated domain value definition:**

"post-spawn"

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** GSI

**Attribute definition:**

Gonadosomatic Index. Calculated as Gonad Wt/(Whole Body Wt) \* 100

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** HSI

**Attribute definition:**

Hepatosomatic Index. Calculated as liver wt/(whole body wt) \* 100

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Condition

**Attribute definition:**

Condition factor calculated as weight/(length<sup>3</sup>).

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StomCont

**Attribute definition:**

Stomach contents

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StomFull%

**Attribute definition:**

Stomach fullness in %, which is a qualitative, subjective estimate.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StomFull(g)

**Attribute definition:**

Stomach fullness in grams, weight of contents removed from stomach

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Disposition

**Attribute definition:**

Disposition of sample. Lookup table lists choices and descriptions.

**Attribute definition source:**

AFSC



**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** BoatInfo

**Attribute definition:**

Information regarding vessel upon which specimen was captured: e.g., vessel name, haul #, set #, etc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:**

**Entity type label:** tblReferenceValues

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** ID

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ReferenceSample

**Attribute definition:**

Reference material with prefix of SRM means it is a NIST value if the name is followed by an asterisk signifies a certified value, names without SRM are in-house calibrated reference samples.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Moisture

**Attribute definition:**

moisture value in %

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** MoistStd

**Attribute definition:**

Standard Deviation of moisture value in %

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Ash

**Attribute definition:**

ash value in %

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AshStd

**Attribute definition:**

Standard Deviation of Ash value in %

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Protein

**Attribute definition:**

protien value of a dried sample in %

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:**

**Entity type label:** tblSubTissue1wts

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SubTissue1

**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Weight

**Attribute definition:**

Weight of sample - measured in mg, g, or kg, depending on WtDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** WtDsc

**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:**

**Entity type label:** test

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** InvestNo**Attribute definition:**

Investigator's ID#

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DateColl**Attribute definition:**

Date sample was collected (mm//dd//yyyy)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SpeciesCode**Attribute definition:**

Species name or description. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Unable to resolve domain.

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

Tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Location**Attribute definition:**

Location where sample was collected. Look in "Sample subtable: Location" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Length**Attribute definition:**

Length of sample - measured in mm or m, depending on LnDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** LnDsc**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Weight

**Attribute definition:**

Weight of sample - measured in mg, g, or kg, depending on WtDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** WtDsc

**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Age

**Attribute definition:**

Animal age in total number of years.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** AgeCode

**Attribute definition:**

Code indicating unit of age measurement. Lookup: Age : Ttable lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Sex of sample: M=male, F=female, unknown, composite, immature. Lookup table lists choices and descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** -400**Enumerated domain value definition:**

investigator did not report sex

**Enumerated domain value definition source:**

AFSC

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

female

**Enumerated domain value definition source:**

AFSC

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

male

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**



**Enumerated domain value:** U

**Enumerated domain value definition:**

unknown sex, investigator looked but could not determine sex

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** U (F?)

**Enumerated domain value definition:**

unknown sex, may be female

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** U (M?)

**Enumerated domain value definition:**

unknown sex, may be male

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

Comments

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments2

**Attribute definition:**

Additional Comments

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Project

**Attribute definition:**

Project title. Look in "Sample subtable: Project" for full description of each project. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** 06 Surveys

**Enumerated domain value definition:**

06 Surveys

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** ApexSpace

**Enumerated domain value definition:**

ApexSpace

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** ApexTime

**Enumerated domain value definition:**

ApexTime

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** Arctic fish

**Enumerated domain value definition:**

Arctic fish

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Arctic fish**Enumerated domain value definition:**

Arctic fish

**Enumerated domain value definition source:**

AFSC

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

Barrow

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BASIS05**Enumerated domain value definition:**

BASIS05

**Enumerated domain value definition source:**

AFSC

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

BearPrey

**Enumerated domain value definition source:**

AFSC

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

BernersTrophics

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP - BASIS07**Enumerated domain value definition:**

BSIERP - BASIS07

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP BASIS08**Enumerated domain value definition:**

BSIERP BASIS08

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP BASIS09**Enumerated domain value definition:**

BSIERP BASIS09

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP 2009 MACE**Enumerated domain value definition:**

BSIERP 2009 MACE

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP-NPCREPO8**Enumerated domain value definition:**

BSIERP-NPCREPO8

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:****Enumerated domain value:** Capelin critical energy**Enumerated domain value definition:**

Capelin critical energy

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Coho2**Enumerated domain value definition:**

Coho2

**Enumerated domain value definition source:**

AFSC

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

CohoOverwinter

**Enumerated domain value definition source:**

AFSC

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

CohoParasitism

**Enumerated domain value definition source:**

AFSC

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

Contaminants

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** DvEnergy  
**Enumerated domain value definition:**  
DvEnergy  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** EFHjuvforagefish  
**Enumerated domain value definition:**  
EFHjuvforagefish  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** EulachonSpawn  
**Enumerated domain value definition:**  
EulachonSpawn  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** EVOSHerring  
**Enumerated domain value definition:**  
EVOSHerring  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Farley's salmon  
**Enumerated domain value definition:**  
Farley's salmon  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** FslCohoGrowth

**Enumerated domain value definition:**

FslCohoGrowth

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** FurSeal1**Enumerated domain value definition:**

FurSeal1

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** FurSeal2**Enumerated domain value definition:**

FurSeal2

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Gwenn's Euphausiids**Enumerated domain value definition:**

Gwenn's Euphausiids

**Enumerated domain value definition source:**

AFSC

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

HerrEnergy

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Herring Growth**Enumerated domain value definition:**

Herring Growth  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Herring Hearts III  
**Enumerated domain value definition:**  
Herring Hearts III  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Herring Oxidation  
**Enumerated domain value definition:**  
Herring Oxidation  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Herring Spawn  
**Enumerated domain value definition:**  
Herring Spawn  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Herring Spawn II  
**Enumerated domain value definition:**  
Herring Spawn II  
**Enumerated domain value definition source:**  
AFSC

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



**Enumerated domain value definition source:**

AFSC

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

HerringHeartsII

**Enumerated domain value definition source:**

AFSC

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

HomerDV

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Humpback Whale Fas**Enumerated domain value definition:**

Humpback Whale Fas

**Enumerated domain value definition source:**

AFSC

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

IcyChums

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Kodiak Surveys**Enumerated domain value definition:**

Kodiak Surveys

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** KuskoChums

**Enumerated domain value definition:**

KuskoChums

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** LC Herring Hearts

**Enumerated domain value definition:**

LC Herring Hearts

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** LCEulStock

**Enumerated domain value definition:**

LCEulStock

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Legacy01

**Enumerated domain value definition:**

Legacy01

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** MCarlsHerring

**Enumerated domain value definition:**

MCarlsHerring

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Meso01**Enumerated domain value definition:**

Meso01

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Nearshore Survey**Enumerated domain value definition:**

Nearshore Survey

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** NPRB05**Enumerated domain value definition:**

NPRB05

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** NPRB05 Zoops**Enumerated domain value definition:**

NPRB05 Zoops

**Enumerated domain value definition source:**

AFSC

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

NRockSole

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** NRockSole06**Enumerated domain value definition:**

NRockSole06

**Enumerated domain value definition source:**

AFSC

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

NutrComparison

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** NutrComparison2**Enumerated domain value definition:**

NutrComparison2

**Enumerated domain value definition source:**

AFSC

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

OverwinterCohoII

**Enumerated domain value definition source:**

AFSC

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

PinkEggs

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:****Enumerated domain value:** POPPinks**Enumerated domain value definition:**

POPPinks

**Enumerated domain value definition source:**

AFSC

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

PredExp

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Pribs Shelf**Enumerated domain value definition:**

Pribs Shelf

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Pribs Shelf Supp**Enumerated domain value definition:**

Pribs Shelf Supp

**Enumerated domain value definition source:**

AFSC

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

PribsShelf

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** PValdezZoops  
**Enumerated domain value definition:**  
PValdezZoops  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** PWS Saffron  
**Enumerated domain value definition:**  
PWS Saffron  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** QA  
**Enumerated domain value definition:**  
QA  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** RFEggs  
**Enumerated domain value definition:**  
RFEggs  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** RhFeeding  
**Enumerated domain value definition:**  
RhFeeding  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Rockfish Larvae

**Enumerated domain value definition:**

Rockfish Larvae

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Ron's Misc. 2007**Enumerated domain value definition:**

Ron's Misc. 2007

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Rons Misc A**Enumerated domain value definition:**

Rons Misc A

**Enumerated domain value definition source:**

AFSC

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

RonsMisc

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Sharks01**Enumerated domain value definition:**

Sharks01

**Enumerated domain value definition source:**

AFSC

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

SsIDemersalPrey  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** SsIEmbryos  
**Enumerated domain value definition:**  
SsIEmbryos  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** SsIPops  
**Enumerated domain value definition:**  
SsIPops  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** SsIPreyQuality  
**Enumerated domain value definition:**  
SsIPreyQuality  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** SsIScat  
**Enumerated domain value definition:**  
SsIScat  
**Enumerated domain value definition source:**  
AFSC

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



**Enumerated domain value definition source:**

AFSC

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

SthdSmolt

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Surf Smelt**Enumerated domain value definition:**

Surf Smelt

**Enumerated domain value definition source:**

AFSC

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

TunaliteCoho

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Urban/EstuarineEFH**Enumerated domain value definition:**

Urban/EstuarineEFH

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Whale Blubber Handling**Enumerated domain value definition:**

Whale Blubber Handling

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** wholeshark

**Enumerated domain value definition:**

wholeshark

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** WillsonAmphipods

**Enumerated domain value definition:**

WillsonAmphipods

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Latitude

**Attribute definition:**

Latitude (N)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Longitude

**Attribute definition:**

Longitude (W)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Region

**Attribute definition:**

Region where sample was collected. Look in "Sample subtable: Region" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Tissue#

**Attribute definition:**

Used when organs and/or tissues have been sampled. Tissue# links a whole animal with its sampled parts. Tissue# for whole animal is its own SIN plus "-w" (e.g., 200652-w). Tissue# for parts is the "whole animal" SIN plus "-p" (e.g., 200652-p).

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** SubLocation

**Attribute definition:**

SubLocation abbreviation. Typically additional info. about location

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** CollectorName

**Attribute definition:**

Name of person(s) who(m) collected sample

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** SubTissue1

**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** SubTissue2

**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "distal"

**Enumerated domain value definition:**

"distal"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "entire"

**Enumerated domain value definition:**

"entire"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "proximate"

**Enumerated domain value definition:**

"proximate"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** LifeStage**Attribute definition:**

Lookup table lists choices as adult, juvenile, YOY, smolt, par, fry, larva, and egg.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "adult"**Enumerated domain value definition:**

"adult"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "egg"**Enumerated domain value definition:**

"egg"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "fry"**Enumerated domain value definition:**

"fry"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "juvenile"**Enumerated domain value definition:**

"juvenile"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "larva"**Enumerated domain value definition:**

"larva"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "par"**Enumerated domain value definition:**

"par"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "smolt"**Enumerated domain value definition:**

"smolt"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "YOY"**Enumerated domain value definition:**

"YOY"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** Maturity**Attribute definition:**

Maturation stage. Lookup table lists choices as mature, immature, and post-spawn.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "immature"**Enumerated domain value definition:**

"immature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "mature"**Enumerated domain value definition:**

"mature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "post-spawn"**Enumerated domain value definition:**

"post-spawn"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** GSI**Attribute definition:**Gonadosomatic Index. Calculated as  $\text{Gonad Wt}/(\text{Whole Body Wt}) * 100$ **Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** HSI**Attribute definition:**Hepatosomatic Index. Calculated as  $\text{liver wt}/(\text{whole body wt}) * 100$ **Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Condition

**Attribute definition:**

Condition factor calculated as  $\text{weight}/(\text{length}^3)$ .

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StomCont

**Attribute definition:**

Stomach contents

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** StomFull

**Attribute definition:**

Stomach fullness, which is a qualitative, subjective estimate.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Disposition



**Attribute definition:**

Disposition of sample. Lookup table lists choices and descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** BoatInfo

**Attribute definition:**

Information regarding vessel upon which specimen was captured: e.g., vessel name, haul #, set #, etc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:**

**Entity type label:** Update%Lipid

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** String

**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis. OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ExtrSampMass

**Attribute definition:**

Extracted Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** %Lipid

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:**

**Entity type label:** Update%lipid w/ comments

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** String  
**Attribute definition:**  
indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis. OR "FPL" if data generated by Food Products Lab.  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** ExtrSampMass  
**Attribute definition:**  
Extracted Sample Mass (g)  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** %Lipid  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Update%lipidOnly**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Lipid**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Update%Moist**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Moisture**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Update%Protein**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Protein**Attribute definition:**

%Protein of wet weight

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Update%Protein%Moisture%Ash**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Moisture**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** AshRun**Attribute definition:**

indicates when Ash analysis was done (i.e., "String" for %Ash). Includes year (xxxx) and number (xx). OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Ash**Attribute definition:**

%Ash of wet weight. -500 = not enough sample available for analysis

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ProteinRun**Attribute definition:**

indicates when Protein analysis was done (i.e., "String" for %Protein). Includes year (xxxx) and number (xx). OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Protein**Attribute definition:**

%Protein of wet weight

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** NitrogenMethod**Attribute definition:**coded description of protein estimation. Lookup table lists choices: SUB = subtraction; KEL = kjeldahl method;  
NIT = nitrogen analyzer**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "KEL"**Enumerated domain value definition:**

"KEL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "NIT"**Enumerated domain value definition:**

"NIT"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**



**Enumerated domain:****Enumerated domain value:** "SUB"**Enumerated domain value definition:**

"SUB"

**Enumerated domain value definition source:**

AFSC

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DateColl**Attribute definition:**

Date sample was collected (mm//dd//yyyy)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** CollectorName

**Attribute definition:**

Name of person(s) who(m) collected sample

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Detailed description:**

**Entity type:**

**Entity type label:** UpDateComposite

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** CompositeSin

**Attribute definition:**

assigned sin of composites of original sins if there is no original sin associated w/ composite sin see investigator for individual measurements

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** OriginalSin**Attribute definition:**

original number assigned for an individual sample/animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

name of project

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** String**Attribute definition:**

The date the lipid was extracted

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Investigator Number**Attribute definition:**

Number assigned by other labs which did the analysis

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** GC Run Date**Attribute definition:**

the date the lipid was injected into the GC column

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Lab**Attribute definition:**

Lab where esterification occurred. Lookup table lists choices as "ABL"=Auke Bay Lab and "SCRI"=Scottish Crop Research Institute

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "ABL"

**Enumerated domain value definition:**

"ABL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** "SCRI"

**Enumerated domain value definition:**

"SCRI"

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Concentration Units

**Attribute definition:**

units represented by the concentration values

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Tissue/Class

**Attribute definition:**

Tissue or class type i.e. total, tag, tissue, total lipid

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** EsterSampMass

**Attribute definition:**

Mass [(typically in mg) see 'concentration units' field] of tissue esterified calculated using the volume of lipid esterified and the mass of tissue extracted.

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Comments

**Attribute definition:**

Number assigned by MRS Lipid Analysis Unit - Scottish Crop Research Institute. Herring/Rec V.1.0

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 10:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 11:0

**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 12:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 13:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 14:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 15:0

**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:0**Attribute definition:**

no description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 17:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.



**Attribute:****Attribute label:** 20:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 24:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 12:1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 14:1n9  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 14:1n7  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 14:1n5  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 15:1n5  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:1n5  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 17:1n8  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 17:1n7  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** 18:1n13  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n9c+t

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n9c

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:1n9t

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n7  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:1n5  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 20:1n15  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 20:1n11+9  
**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n11

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n9

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:1n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11+9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**



**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n7**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:1n5**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 24:1n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 16:2n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:2n4

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:3n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:3n4

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 16:4n1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n7

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 18:2n6c+t

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n6c**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n6t**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:2n4**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:3n6**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n4  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:3n1  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 18:4n3  
**Attribute definition:**  
-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 18:4n1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:2n11**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 20:2n9**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:2n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n3+4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:3n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:4n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:5n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 20:5n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC



**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 21:5n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:2n6  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:3n3  
**Attribute definition:**  
-no description-  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**  
**Attribute label:** 22:4n6  
**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:4n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:5n6

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 22:5n3

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 22:6n3**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 4,8,12-Me-13:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 11-Me-14:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** iso-15:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-15:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** 2,6,10,14-Me-15:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-16:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-16:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 7-Me-16:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** 7,8-Me-C16:1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-17:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ante-17:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** iso-18:0

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ante-18:0**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Unknown FA**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total Sats**Attribute definition:**

Total Sats are all the sats that end in :0, excluding branched sats

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total Mono**Attribute definition:**

Total Monos are the sum of the (xx:1nx) FAs, excluding branched

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total PUFA**Attribute definition:**

Total PUFA are the sum (where the #n is &gt;1)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total Branched**Attribute definition:**

Total Branched is the sum of all branched fatty acids

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total trans**Attribute definition:**

Total trans is the sum of anything that has a 't' after it (but not c+t) (ie 18:1n9t)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Overall Total**Attribute definition:**

suOverall Total is the sum of all the fatty acids starting with 10:0 and ending with ante-18:0m of fatty acid



profile per SIN

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n11

**Attribute definition:**

Total n11 will be everything of the form xx: #n11

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n9

**Attribute definition:**

Total n9 will be everything of the form xx: #n9

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Total n7

**Attribute definition:**

Total n7 will be everything of the form xx: #n7

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n6**Attribute definition:**

Total n6 will be everything of the form xx: #n6

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Total n3**Attribute definition:**

Total n3 will be everything of the form xx: #n3

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** n3/n6 Ratio**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSurr Recov%**Attribute definition:**

Extracted Surrogate Recovery %

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** EstSurr Recov%**Attribute definition:**

Esterified Surrogate Recovery %

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** IIS Recov%**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Quant FA**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** InvestNo**Attribute definition:**

Investigator's ID#

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Latitude**Attribute definition:**

Latitude (N)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Longitude**Attribute definition:**

Longitude (W)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** QcBatch

**Attribute definition:**

QcBatch - chem lab tracking code includes date.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** NormTo

**Attribute definition:**

Describes what the sample was normalized to. Lookup table lists choices of "tissue" and "lipid".

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "Lipid"

**Enumerated domain value definition:**

"Lipid"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "Tissue"

**Enumerated domain value definition:**

"Tissue"

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Dilution

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Rep**Attribute definition:**

Replicate number - indicates if sample was reanalyzed. 1=default, 2=sample reanalyzed.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SampVol**Attribute definition:**

Total Sample Vol (ul)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SampWt**Attribute definition:**

Sample Weight (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** CE/WE

**Attribute definition:**

Cholesterol Ester/Wax Ester. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** TAG

**Attribute definition:**

Triacylglyceride. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Chol

**Attribute definition:**

Cholesterol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** MAG

**Attribute definition:**

Monolein. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**



No domain defined.

**Attribute:**

**Attribute label:** FFA

**Attribute definition:**

Free Fatty Acids. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PE

**Attribute definition:**

Phosphaphatidylethnolamine. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PI

**Attribute definition:**

Phosphatgidylinositol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PC

**Attribute definition:**

Phosphytidylcholine. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Sphingo**Attribute definition:**

Sphingomyelin. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SumUncalCompounds**Attribute definition:**

Sum of uncalibrated compounds. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DAG (?)**Attribute definition:**

Diacylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DPG (?)**Attribute definition:**

Diphosphatidylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** LysoPC

**Attribute definition:**

Lysolecithin. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** ~4 (TAG?)

**Attribute definition:**

~4.4 (TAG?). mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** PG (?)

**Attribute definition:**

Phosphatidylglycerol. mg/g Tissue OR mg/g Lipid as indicated by NormTo

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PS (?)**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Location**Attribute definition:**

Location where sample was collected. Look in "Sample subtable: Location" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** WholeSin**Attribute definition:**

original sin number assigned for whole animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** PartsSin**Attribute definition:**

sin number assigned for a specific part of tissue removed from an animal

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

Project title

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** tissue**Attribute definition:**

Tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

Project title. Look in "Sample subtable: Project" for full description of each project. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Unable to resolve domain.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis. OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** ExtrSampMassLipid**Attribute definition:**

Extracted Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Lipid**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Moisture**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC



**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** AshRun**Attribute definition:**

indicates when Ash analysis was done (i.e., "String" for %Ash). Includes year (xxxx) and number (xx). OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Ash**Attribute definition:**

%Ash of wet weight. -500 = not enough sample available for analysis

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ProteinRun**Attribute definition:**

indicates when Protein analysis was done (i.e., "String" for %Protein). Includes year (xxxx) and number (xx). OR "FPL" if data generated by Food Products Lab.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Protein

**Attribute definition:**

%Protein of wet weight

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** NitrogenMethod

**Attribute definition:**

coded description of protein estimation. Lookup table lists choices: SUB = subtraction; KEL = kjeldahl method;  
NIT = nitrogen analyzer

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "KEL"

**Enumerated domain value definition:**

"KEL"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "NIT"

**Enumerated domain value definition:**

"NIT"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "SUB"

**Enumerated domain value definition:**

"SUB"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** VitA**Attribute definition:**

total vitamin A (ug/100g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** VitE**Attribute definition:**

total vitamin E (ug/100g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** RNA/DNA**Attribute definition:**

RNA/DNA ratio.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** UpDateProxCompQA%Moist**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number. "B" and "C" indicate that the &lt;SIN&gt; was run a second (B) or third (C) time for the QA. A "R" indicates that the &lt;SIN&gt; was run a second time for non-QA analyses.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** String**Attribute definition:**

indicates when Lipid analysis was done. Includes date (mm/dd/yr) and initials of person doing analysis.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** ExtrSampMassLipid**Attribute definition:**

Extracted Sample Mass (g)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** %Moisture**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Region where sample was collected. Look in "Sample subtable: Region" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** RNA/DNA**Attribute definition:**

RNA/DNA ratio.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** InvestNo**Attribute definition:**

Investigator's ID#

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** DateColl**Attribute definition:**

Date sample was collected (mm//dd//yyyy)

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SpeciesCode**Attribute definition:**

Species name or description. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Unable to resolve domain.

**Attribute:****Attribute label:** Tissue**Attribute definition:**

Tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Location**Attribute definition:**

Location where sample was collected. Look in "Sample subtable: Location" for further description

**Attribute definition source:**

AFSC



**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Length**Attribute definition:**

Length of sample - measured in mm or m, depending on LnDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** LnDsc**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

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

Weight of sample - measured in mg, g, or kg, depending on WtDsc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** WtDsc**Attribute definition:**

Code indicating method and unit of measurement. Lookup table lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** Age**Attribute definition:**

Animal age in total number of years.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** AgeCode**Attribute definition:**

Code indicating unit of age measurement. Lookup: Age : Ttable lists code descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

Sex of sample: M=male, F=female, unknown, composite, immature. Lookup table lists choices and descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** -400**Enumerated domain value definition:**

investigator did not report sex  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** F  
**Enumerated domain value definition:**  
female  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** M  
**Enumerated domain value definition:**  
male  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** U  
**Enumerated domain value definition:**  
unknown sex, investigator looked but could not determine sex  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** U (F?)  
**Enumerated domain value definition:**  
unknown sex, may be female  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** U (M?)  
**Enumerated domain value definition:**  
unknown sex, may be male

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** Comments**Attribute definition:**

Comments

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments2**Attribute definition:**

Additional Comments

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Project**Attribute definition:**

Project title. Look in "Sample subtable: Project" for full description of each project. Lookup table lists choices.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** 06 Surveys**Enumerated domain value definition:**

06 Surveys

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:****Enumerated domain value:** ApexSpace**Enumerated domain value definition:**

ApexSpace

**Enumerated domain value definition source:**

AFSC

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

ApexTime

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Arctic fish**Enumerated domain value definition:**

Arctic fish

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Arctic fish**Enumerated domain value definition:**

Arctic fish

**Enumerated domain value definition source:**

AFSC

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

Barrow

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** BASIS05  
**Enumerated domain value definition:**  
BASIS05  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** BearPrey  
**Enumerated domain value definition:**  
BearPrey  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** BernersTrophics  
**Enumerated domain value definition:**  
BernersTrophics  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** BSIERP - BASIS07  
**Enumerated domain value definition:**  
BSIERP - BASIS07  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** BSIERP BASIS08  
**Enumerated domain value definition:**  
BSIERP BASIS08  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** BSIERP BASIS09

**Enumerated domain value definition:**

BSIERP BASIS09

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP 2009 MACE**Enumerated domain value definition:**

BSIERP 2009 MACE

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** BSIERP-NPCREPO8**Enumerated domain value definition:**

BSIERP-NPCREPO8

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Capelin critical energy**Enumerated domain value definition:**

Capelin critical energy

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Coho2**Enumerated domain value definition:**

Coho2

**Enumerated domain value definition source:**

AFSC

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

CohoOverwinter  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** CohoParasitism  
**Enumerated domain value definition:**  
CohoParasitism  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Contaminants  
**Enumerated domain value definition:**  
Contaminants  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** DvEnergy  
**Enumerated domain value definition:**  
DvEnergy  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** EFHjuvforagefish  
**Enumerated domain value definition:**  
EFHjuvforagefish  
**Enumerated domain value definition source:**  
AFSC

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



**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** EVOSHerring

**Enumerated domain value definition:**

EVOSHerring

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Farley's salmon

**Enumerated domain value definition:**

Farley's salmon

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** FslCohoGrowth

**Enumerated domain value definition:**

FslCohoGrowth

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** FurSeal1

**Enumerated domain value definition:**

FurSeal1

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** FurSeal2

**Enumerated domain value definition:**

FurSeal2

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Gwenn's Euphausiids

**Enumerated domain value definition:**

Gwenn's Euphausiids

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** HerrEnergy

**Enumerated domain value definition:**

HerrEnergy

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Herring Growth

**Enumerated domain value definition:**

Herring Growth

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Herring Hearts III

**Enumerated domain value definition:**

Herring Hearts III

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Herring Oxidation

**Enumerated domain value definition:**

Herring Oxidation

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Herring Spawn**Enumerated domain value definition:**

Herring Spawn

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Herring Spawn II**Enumerated domain value definition:**

Herring Spawn II

**Enumerated domain value definition source:**

AFSC

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

HerringHearts

**Enumerated domain value definition source:**

AFSC

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

HerringHeartsII

**Enumerated domain value definition source:**

AFSC

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

HomerDV

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Humpback Whale Fas**Enumerated domain value definition:**

Humpback Whale Fas

**Enumerated domain value definition source:**

AFSC

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

IcyChums

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Kodiak Surveys**Enumerated domain value definition:**

Kodiak Surveys

**Enumerated domain value definition source:**

AFSC

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

KuskoChums

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** LC Herring Hearts**Enumerated domain value definition:**

LC Herring Hearts

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:****Enumerated domain value:** LCEuIStock**Enumerated domain value definition:**

LCEuIStock

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Legacy01**Enumerated domain value definition:**

Legacy01

**Enumerated domain value definition source:**

AFSC

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

MCarlsHerring

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Meso01**Enumerated domain value definition:**

Meso01

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Nearshore Survey**Enumerated domain value definition:**

Nearshore Survey

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** NPRB05  
**Enumerated domain value definition:**  
NPRB05  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** NPRB05 Zoops  
**Enumerated domain value definition:**  
NPRB05 Zoops  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** NRockSole  
**Enumerated domain value definition:**  
NRockSole  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** NRockSole06  
**Enumerated domain value definition:**  
NRockSole06  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** NutrComparison  
**Enumerated domain value definition:**  
NutrComparison  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** NutrComparison2

**Enumerated domain value definition:**

NutrComparison2

**Enumerated domain value definition source:**

AFSC

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

OverwinterCohoII

**Enumerated domain value definition source:**

AFSC

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

PinkEggs

**Enumerated domain value definition source:**

AFSC

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

POPPinks

**Enumerated domain value definition source:**

AFSC

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

PredExp

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Pribs Shelf**Enumerated domain value definition:**

Pribs Shelf  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** Pribs Shelf Supp  
**Enumerated domain value definition:**  
Pribs Shelf Supp  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** PribsShelf  
**Enumerated domain value definition:**  
PribsShelf  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** PValdezZoops  
**Enumerated domain value definition:**  
PValdezZoops  
**Enumerated domain value definition source:**  
AFSC

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** PWS Saffron  
**Enumerated domain value definition:**  
PWS Saffron  
**Enumerated domain value definition source:**  
AFSC

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



**Enumerated domain value definition source:**

AFSC

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

RFEggs

**Enumerated domain value definition source:**

AFSC

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

RhFeeding

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Rockfish Larvae**Enumerated domain value definition:**

Rockfish Larvae

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Ron's Misc. 2007**Enumerated domain value definition:**

Ron's Misc. 2007

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Rons Misc A**Enumerated domain value definition:**

Rons Misc A

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** RonsMisc

**Enumerated domain value definition:**

RonsMisc

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Sharks01

**Enumerated domain value definition:**

Sharks01

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** SslDemersalPrey

**Enumerated domain value definition:**

SslDemersalPrey

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** SslEmbryos

**Enumerated domain value definition:**

SslEmbryos

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** SslPops

**Enumerated domain value definition:**

SslPops

**Enumerated domain value definition source:**

AFSC

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

SslPreyQuality

**Enumerated domain value definition source:**

AFSC

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

SslScat

**Enumerated domain value definition source:**

AFSC

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

SthdSeason

**Enumerated domain value definition source:**

AFSC

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

SthdSmolt

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Surf Smelt**Enumerated domain value definition:**

Surf Smelt

**Enumerated domain value definition source:**

AFSC

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

TunaliteCoho

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Urban/EstuarineEFH**Enumerated domain value definition:**

Urban/EstuarineEFH

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** Whale Blubber Handling**Enumerated domain value definition:**

Whale Blubber Handling

**Enumerated domain value definition source:**

AFSC

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

wholeshark

**Enumerated domain value definition source:**

AFSC

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

WillsonAmphipods

**Enumerated domain value definition source:**

AFSC

**Attribute:**

**Attribute label:** Latitude

**Attribute definition:**

Latitude (N)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Longitude

**Attribute definition:**

Longitude (W)

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Attribute:**

**Attribute label:** Region

**Attribute definition:**

Region where sample was collected. Look in "Sample subtable: Region" for further description

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

Field source not limited to list.

**Attribute:**

**Attribute label:** Tissue#

**Attribute definition:**

Used when organs and/or tissues have been sampled. Tissue# links a whole animal with its sampled parts.

Tissue# for whole animal is its own SIN plus "-w" (e.g., 200652-w). Tissue# for parts is the "whole animal"

SIN plus "-p" (e.g., 200652-p).

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SubLocation**Attribute definition:**

SubLocation abbreviation. Typically additional info. about location

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** CollectorName**Attribute definition:**

Name of person(s) who(m) collected sample

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** SubTissue1**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** SubTissue2**Attribute definition:**

Further level of classification for tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "distal"**Enumerated domain value definition:**

"distal"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "entire"**Enumerated domain value definition:**

"entire"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "proximate"**Enumerated domain value definition:**

"proximate"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** LifeStage**Attribute definition:**

Lookup table lists choices as adult, juvenile, YOY, smolt, par, fry, larva, and egg.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "adult"**Enumerated domain value definition:**

"adult"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "egg"**Enumerated domain value definition:**

"egg"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "fry"**Enumerated domain value definition:**

"fry"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "juvenile"**Enumerated domain value definition:**

"juvenile"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "larva"**Enumerated domain value definition:**

"larva"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "par"**Enumerated domain value definition:**

"par"

**Enumerated domain value definition source:**

AFSC



**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "smolt"**Enumerated domain value definition:**

"smolt"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "YOY"**Enumerated domain value definition:**

"YOY"

**Enumerated domain value definition source:**

AFSC

**Attribute:****Attribute label:** Maturity**Attribute definition:**

Maturation stage. Lookup table lists choices as mature, immature, and post-spawn.

**Attribute definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "immature"**Enumerated domain value definition:**

"immature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:****Enumerated domain value:** "mature"**Enumerated domain value definition:**

"mature"

**Enumerated domain value definition source:**

AFSC

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** "post-spawn"  
**Enumerated domain value definition:**  
"post-spawn"  
**Enumerated domain value definition source:**  
AFSC

**Attribute:**

**Attribute label:** GSI  
**Attribute definition:**  
Gonadosomatic Index. Calculated as Gonad Wt/(Whole Body Wt) \* 100  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** HSI  
**Attribute definition:**  
Hepatosomatic Index. Calculated as liver wt/(whole body wt) \* 100  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** Condition  
**Attribute definition:**  
Condition factor calculated as weight/(length^3).  
**Attribute definition source:**  
AFSC

**Attribute domain values:**  
**Unrepresentable domain:**  
No domain defined.

**Attribute:**

**Attribute label:** StomCont

**Attribute definition:**

Stomach contents

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** StomFull%**Attribute definition:**

Stomach fullness, which is a qualitative, subjective estimate.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** stomFull(g)**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Disposition**Attribute definition:**

Disposition of sample. Lookup table lists choices and descriptions.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

Field source not limited to list.

**Attribute:****Attribute label:** BoatInfo**Attribute definition:**

Information regarding vessel upon which specimen was captured: e.g., vessel name, haul #, set #, etc.

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments**Attribute definition:**

Comments

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** UpdateSampleComments2**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Comments2**Attribute definition:**

Comments

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN

**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** SubLocation**Attribute definition:**

SubLocation abbreviation. Typically additional info. about location

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

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

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** SIN**Attribute definition:**

Sample Identification Number

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Attribute:****Attribute label:** Tissue Description

**Attribute definition:**

Tissue type

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Verification of Strings**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** String**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:****Unrepresentable domain:**

No domain defined.

**Detailed description:****Entity type:****Entity type label:** Verification: SINS in ProxComp?**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:****Attribute label:** Field1**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Verification: SINS in SAMPLE?

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** Field1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**

**Unrepresentable domain:**

No domain defined.

**Detailed description:**

**Entity type:**

**Entity type label:** Verification: SIN's in Bomb

**Entity type definition:**

-no description-

**Entity type definition source:**

AFSC

**Attribute:**

**Attribute label:** Field1

**Attribute definition:**

-no description-

**Attribute definition source:**

AFSC

**Attribute domain values:**



**Unrepresentable domain:**

No domain defined.

[Back to Top](#)

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

**Contact person:** Ron Heinz

**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:** ron.heintz@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.

[Back to Top](#)

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## Metadata Reference Information:

**Metadata date:** 20090210

**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

[Back to Top](#)