

ShoreZone Data Management

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Data Management Partners



Victoria: Coastal and Ocean Resources

- Imagery and Video
- Survey Database
- Unit (Mapped) databases

Data Management Partners

Juneau: NOAA Fisheries, Alaska Region

Inserts imagery and video on our file server (after upload to cloud)

- Updates Survey Database
- Updates Mapped Unit Database



Data Management Partners



Juneau: NOAA Fisheries, Alaska Region, continued

Data Management Partners

Portland:

AOOS\AxiomDataScience

Uploads Imagery and Video to file server. It is then uploaded to Google Cloud: Picasa and YouTube

Inserts imagery and video on file server (after cloud upload)

Pacific States Marine Fisheries Commission (Pacific States)

Is now serving a mirror of the ShoreZone data via NOAA Fisheries, Alaska Region in Juneau



Data Management Partners

Anchorage:

AOOS

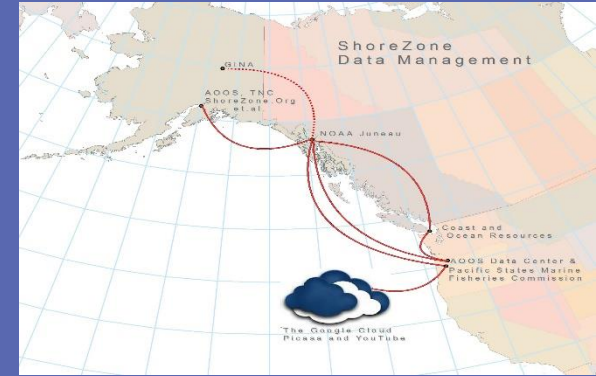
Main office of AOOS\Axiom Data Science

ShoreZone.Org and TNC

ShoreZone.org will soon be hosting a version of the NOAA ShoreZone site



Data Management Partners



Fairbanks:

Fairbanks: Geographical Information Network Alaska
(GINA)

GINA-Best and Data hosting

NOAA Alaska Region REST Services

<http://alaskafisheries.noaa.gov/arcgis/rest/services/ShoreZoneFlexMapService/MapServer>

[Legend](#)

[All Layers and Tables](#)

Layers:

- [Still Photos](#) (0)
- [Video Flightline](#) (1)
 - [1s](#) (2)
 - [10s](#) (3)
- [Derived ShoreZone Attributes](#) (4)
 - [Habitat Class](#) (5)
 - [Coastal Class](#) (6)
 - [Biological Wave Exposure](#) (7)
- [Response Attributes](#) (8)
 - [Environmental Sensitivity Index \(ESI\)](#) (9)
 - [Oil Residency Index \(ORI\)](#) (10)
- [Biological Attributes](#) (11)
 - [SplashZone; Black Seaside Lichen bioband](#) (12)
 - [Dune Grass, Sedges, and Salt Marsh Vegetation](#) (13)
 - [Dune Grass](#) (14)
 - [Sedges](#) (15)
 - [Salt Marsh Vegetation](#) (16)
 - [Barnacles](#) (17)
 - [Rockweed](#) (18)
 - [Blue Mussels](#) (19)
 - [Green Algae](#) (20)
 - [Red Algae](#) (21)
 - [Bleached Red Algae](#) (22)
 - [Alaria](#) (23)
 - [Soft Brown Kelps](#) (24)
 - [Dark Brown Kelps](#) (25)

- [Seagrass Biobands](#) (26)
- [Eel Grass](#) (27)
- [Surfgrass](#) (28)
- [Canopy Kelp Biobands](#) (29)
- [Bull Kelp](#) (30)
- [Dragon Kelp](#) (31)
- [Giant Kelp](#) (32)
- [Tundra](#) (33)
- [BioFilm](#) (34)
- [European Beach Grass](#) (35)
- [High Grass Meadow](#) (36)
- [Mud Flat Shrimp](#) (37)
- [Oyster](#) (38)
- [Salt Marsh](#) (39)
- [Shrub Meadow](#) (40)
- [Unit Boundaries](#) (41)
- [Units](#) (42)
- [AK UNIT LINES W ATTRS W XSHR](#) (43)
- [AK Unit lines wAttrs](#) (44)
- [Mapped Shoreline](#) (45)
- [Ports Towns](#) (46)
- [Steller Rookeries](#) (47)
- [Steller Haulouts](#) (48)
- [Steller Points Lines](#) (49)
- [3nm No Transit \(Rookery\)](#) (50)
- [Walrus Areas](#) (51)
- [1km Steller Buffers](#) (52)
- [Steller End Points](#) (53)

Tables:

- [AK_UnitForWebsite](#) (54)
- [AK_tblLookupVideo_WS](#) (55)
- [def_tblLookupHab_Class](#) (56)
- [def_tblLookupExposureDefinitions](#) (57)
- [def_tblLookupESishoreType](#) (58)

<http://alaskafisheries.noaa.gov/mapping/ShoreZone>

The screenshot displays the NOAA Alaska Fisheries ShoreZone mapping application. The interface includes a top navigation bar with tabs for 'ShoreZone', 'FishAtlas', and 'ShoreStation'. A navigation menu on the right contains 'Layer Legend', 'Layer Query', 'Task Management', and 'Locations'. The main map area shows a coastal region with various colored overlays representing different data layers. Below the map, there are two panels for 'Video Snapshots' and 'Photo Snapshots', each showing a video player with coordinates. At the bottom right, a 'Unit Description Table' provides a summary of units for the viewable region.

Navigation menu items: [Disclaimer](#), [Privacy Policy](#), [ShoreZone Page](#), [Metadata](#), [Contact](#), [Data Dictionary](#), [Admin Links](#)

Map overlays: Overlay Fish Atlas, Overlay Shore Stations

Layer Legend panel:

- Show all layers in service
- Sun Photos
 - Photo Mark
- Video Flightline
- Derived ShoreZone Attributes
 - Habitat Class
 - Coastal Class
 - Biological Wave Exposure
- Response Attributes
 - Environmental Sensitivity Index (ESI)

Video Snapshots: Lat: 58 26' 56" N Lon: 154 3' 33" W

Photo Snapshots: Lat: 58 27' 29" N Lon: 154 3' 10" W

Unit Description Table

Units for viewable region. Total Unit Count: 98

| Unit ID | Length | Habitat Class | Biological Wave Exposure | Oil Res |
|--------------|--------|---------------|--------------------------|---------|
| 07/02/0071/0 | 1,492 | 42 | SP | 3 |
| 07/02/0072/0 | 282 | 42 | SP | 3 |
| 07/02/0073/0 | 1,728 | 42 | SP | 3 |
| 07/02/0074/0 | 264 | 42 | SP | 3 |

<http://alaskafisheries.noaa.gov/mapping/ShoreZone>

Extract Spatial Data

Select Which Images to Include

Still Photos (3 Images Targeted)

Low Resolution Videos Snapshots (220 Images Targeted)

High Resolution Videos Snapshots (220 Images Targeted)

Description:

Use the data – but wisely

| Name | Type | Compressed size | Passw |
|--------------------------------|--------------|-----------------|-------|
| UnitLinesWithAttributes.cpg | CPG File | 1 KB | No |
| UnitLinesWithAttributes.dbf | DBF File | 1 KB | No |
| UnitLinesWithAttributes.prj | PRJ File | 1 KB | No |
| UnitLinesWithAttributes.sbn | SBN File | 1 KB | No |
| UnitLinesWithAttributes.sbx | SBX File | 1 KB | No |
| UnitLinesWithAttributes.shp | SHP File | 1 KB | No |
| UnitLinesWithAttributes.shp | XML Document | 10 KB | No |
| UnitLinesWithAttributes.shx | SHX File | 1 KB | No |
| UnitLinesWithAttributesAndX... | CPG File | 1 KB | No |
| UnitLinesWithAttributesAndX... | DBF File | 4 KB | No |
| UnitLinesWithAttributesAndX... | PRJ File | 1 KB | No |
| UnitLinesWithAttributesAndX... | SBN File | 1 KB | No |
| UnitLinesWithAttributesAndX... | SBX File | 1 KB | No |
| UnitLinesWithAttributesAndX... | SHP File | 1 KB | No |
| UnitLinesWithAttributesAndX... | XML Document | 6 KB | No |
| UnitLinesWithAttributesAndX... | SHX File | 1 KB | No |
| VideoPoints.cpg | CPG File | 1 KB | No |
| VideoPoints.dbf | DBF File | 1 KB | No |
| VideoPoints.prj | PRJ File | 1 KB | No |
| VideoPoints.sbn | SBN File | 1 KB | No |
| VideoPoints.sbx | SBX File | 1 KB | No |
| VideoPoints.shp | SHP File | 1 KB | No |
| VideoPoints.shp | XML Document | 5 KB | No |
| VideoPoints.shx | SHX File | 1 KB | No |

<http://alaskafisheries.noaa.gov/mapping/szflex/szapps.htm>

ShoreZone demo maps for the CarryMap app

| Map | Approx. Size | Apple iOS / Android | Windows |
|--------------------------------|--------------|--------------------------|--------------------------|
| Ragged Island - with photos | 20 MB | Download | Download |
| Cook Inlet - with photo subset | 190 MB | Download | Download |
| Cook Inlet - photos online | 115 MB | Download | Download |

**Download the full ShoreZone
geodatabase (620 MB)**

[Download](#)