

ShoreZone Coastal Imaging and Habitat Mapping in Alaska



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Alaska Coastal Mapping Summit, February 9th, 2018

What is ShoreZone?



A standardized **coastal imaging** and **habitat mapping** system that characterizes **physical and biological attributes** of the shoreline in a searchable, **georeferenced** database.



Where is ShoreZone?



How to Access ShoreZone

NOAA ShoreZone Website

<https://alaskafisheries.noaa.gov/habitat/shorezone>

TNC ShoreZone Website

<https://www.ShoreZone.org>

AOOS Portal

Arctic ERMA



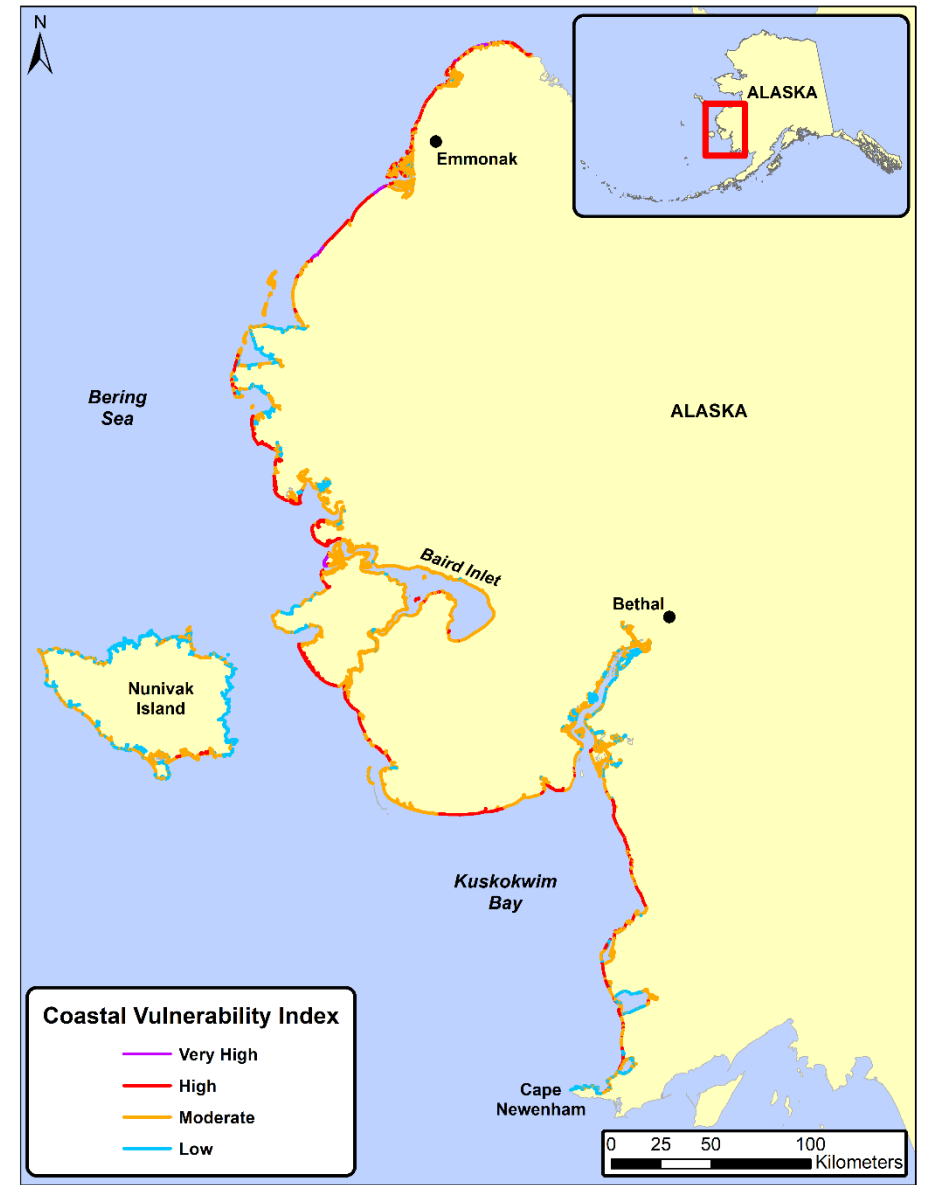
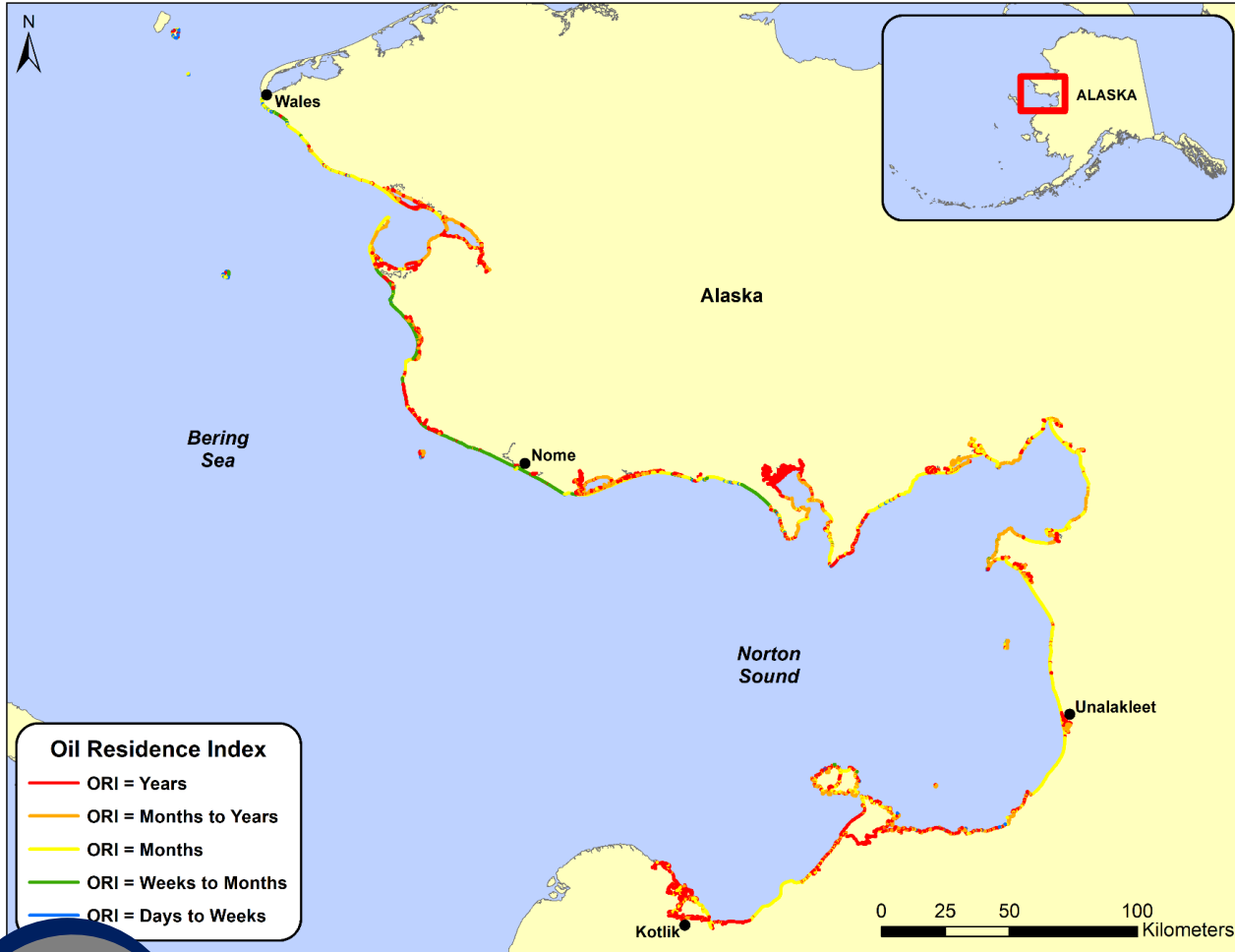
Collect Once, Use Many Times

**~85% of the State of Alaska Imaged and Mapped
(or Mapping in Progress)**

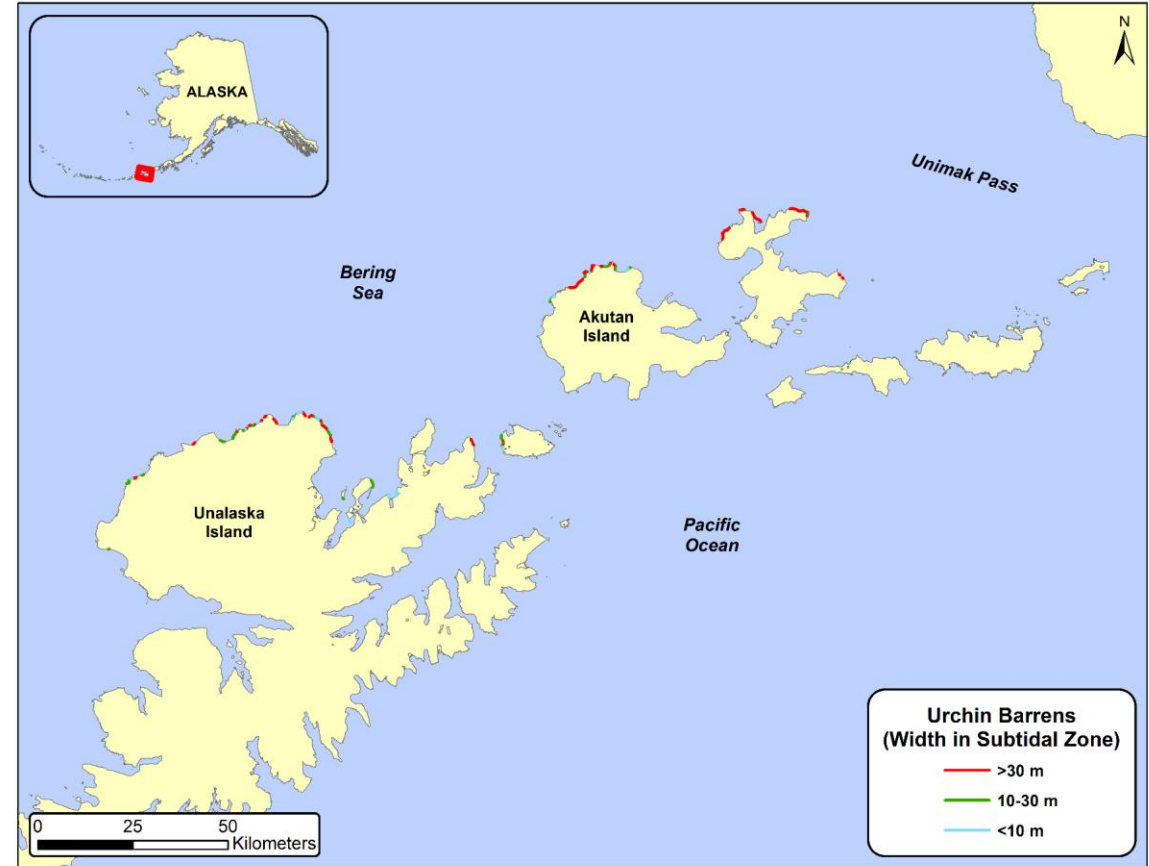
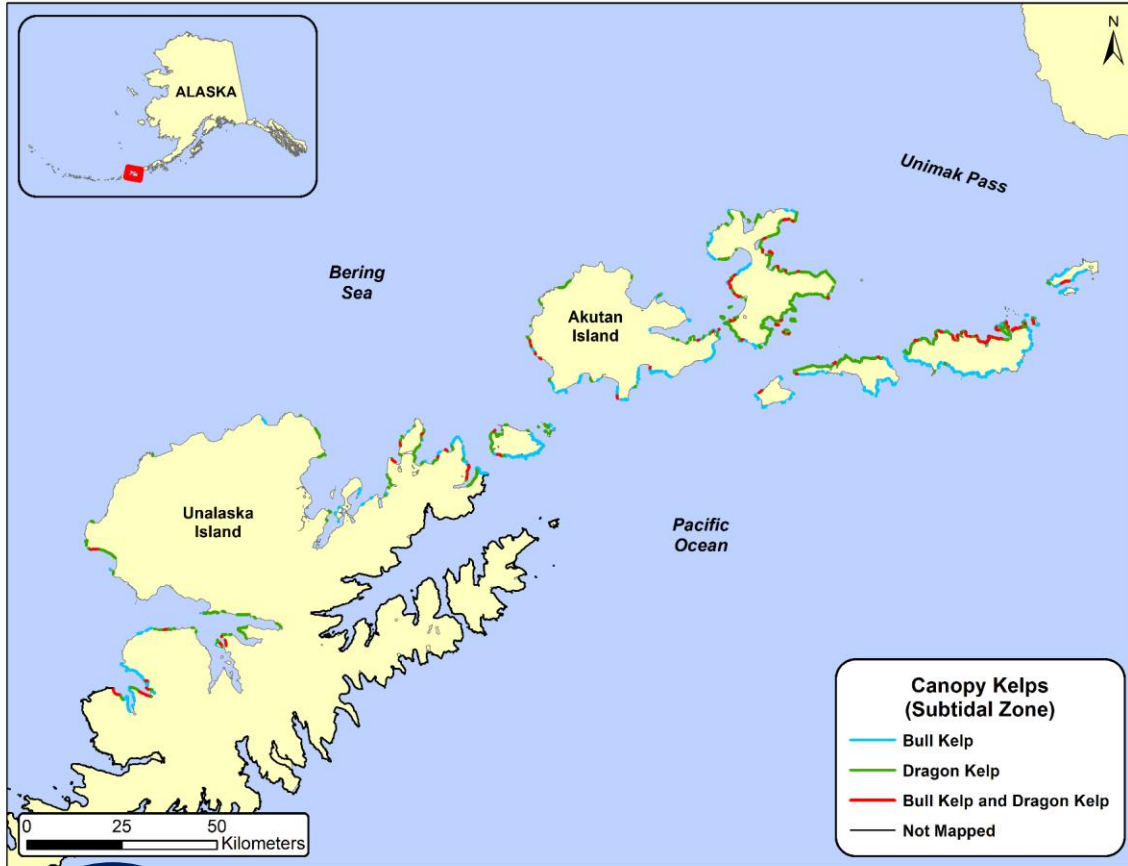
**Multiple Uses for both the
Imagery and Habitat Mapping**



Uses for ShoreZone Attribute Maps



Uses for ShoreZone Attribute Maps

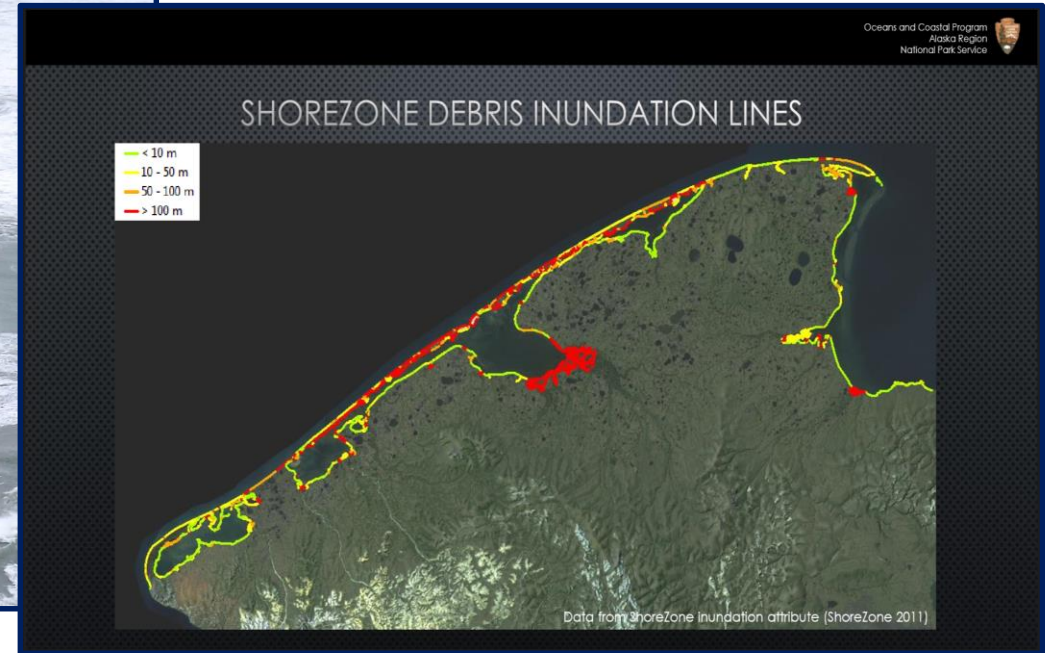


Uses for ShoreZone

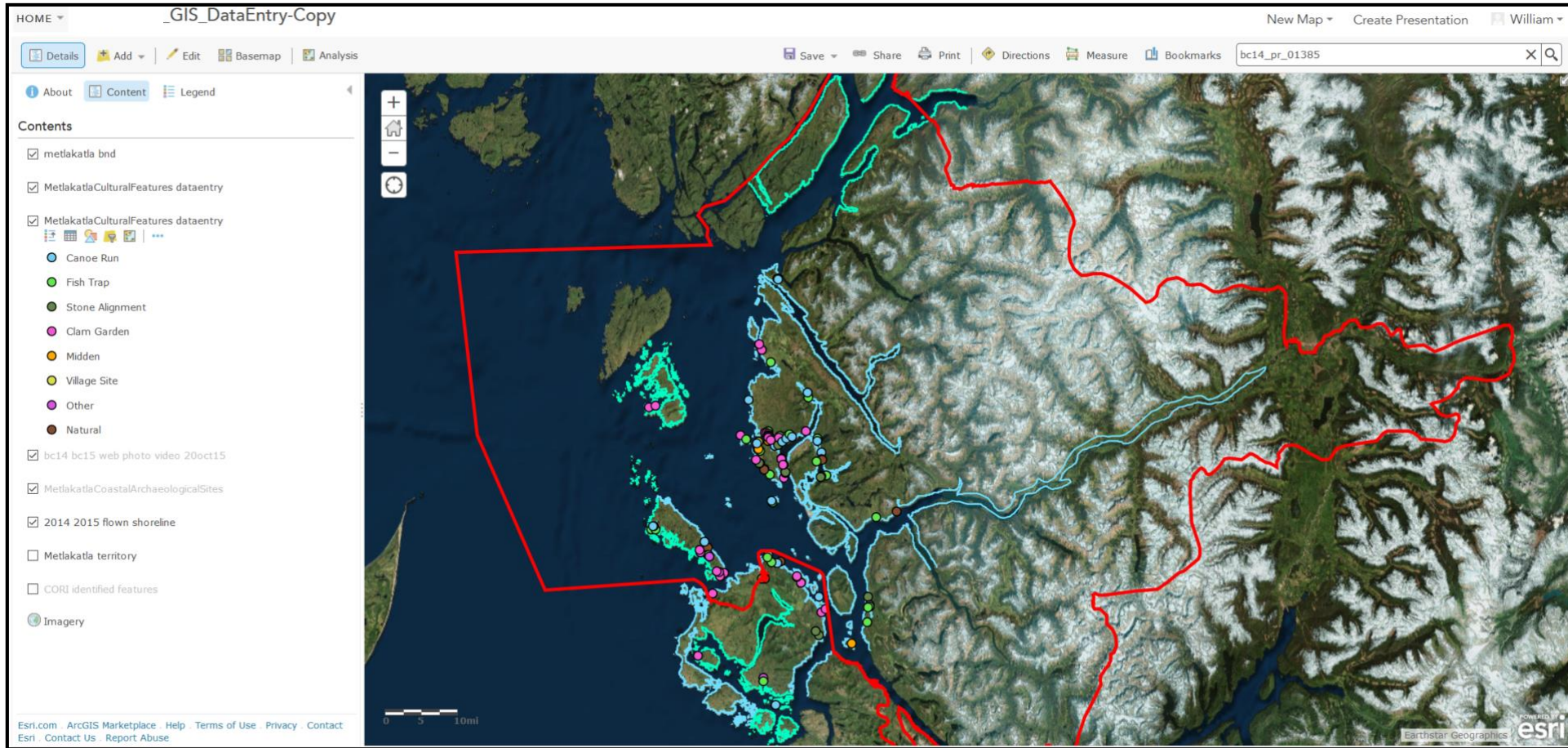


**Oil Spill Planning
and Response**

Marine Debris Mapping



Uses for ShoreZone



Cultural Features Mapping

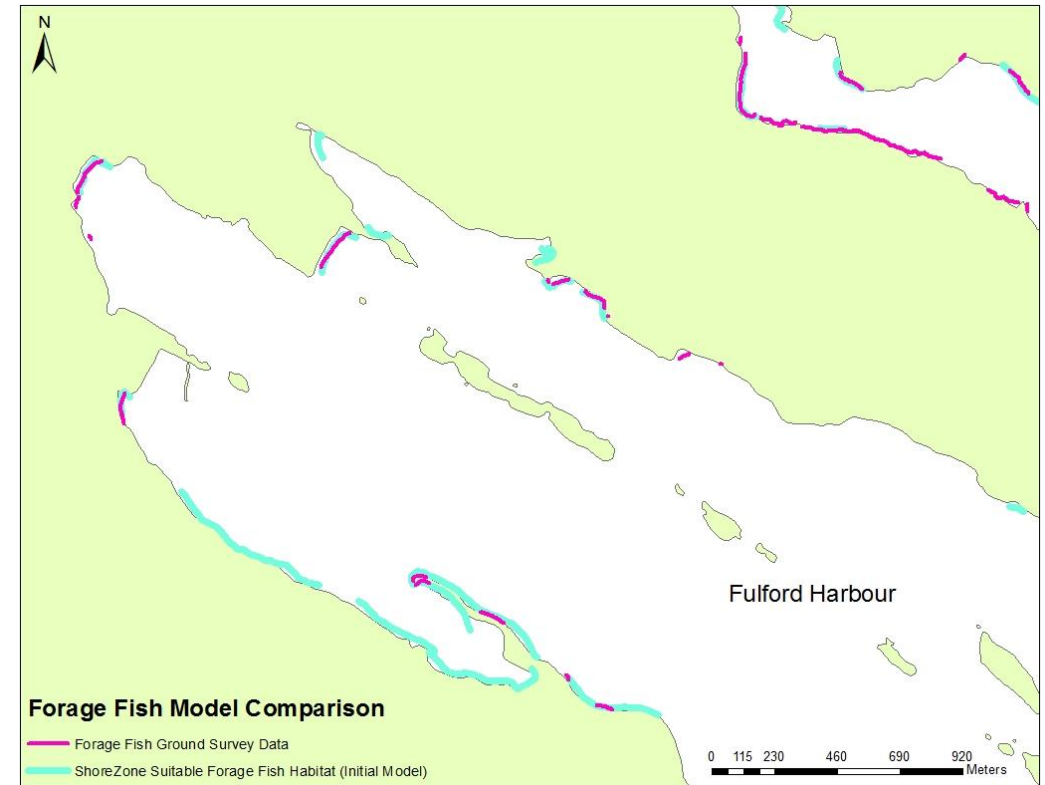
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Uses for ShoreZone

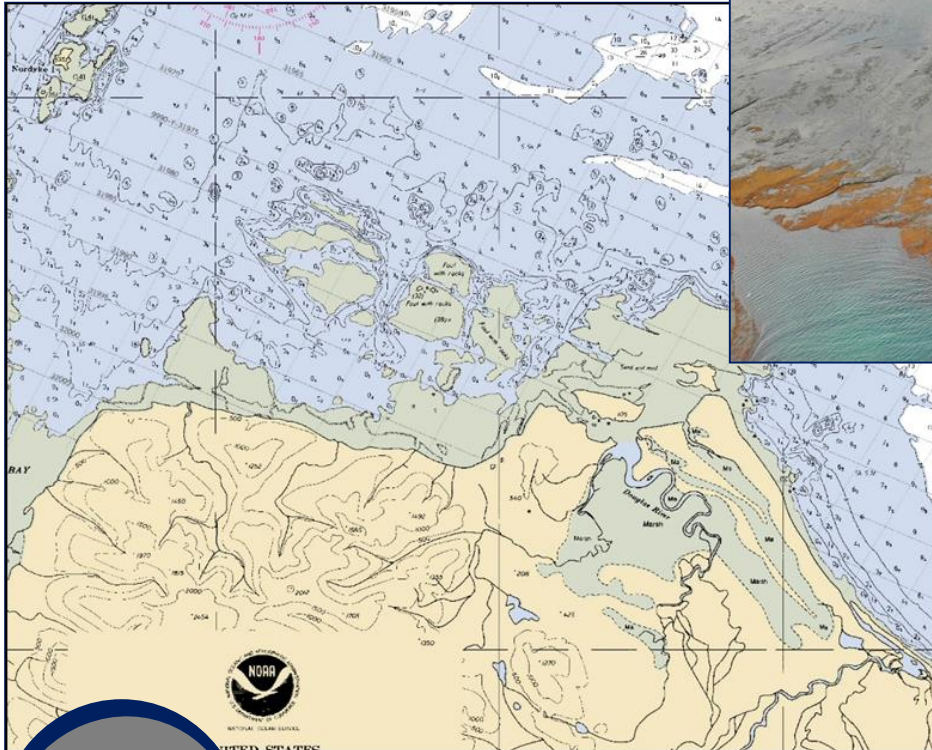


Habitat Modelling Species Modelling



Uses for ShoreZone

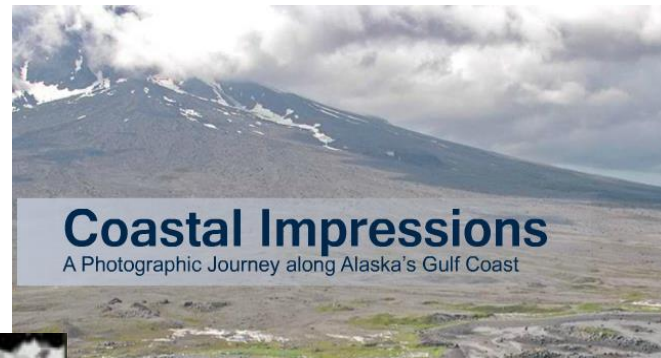
Kamishak Bay, Cook Inlet

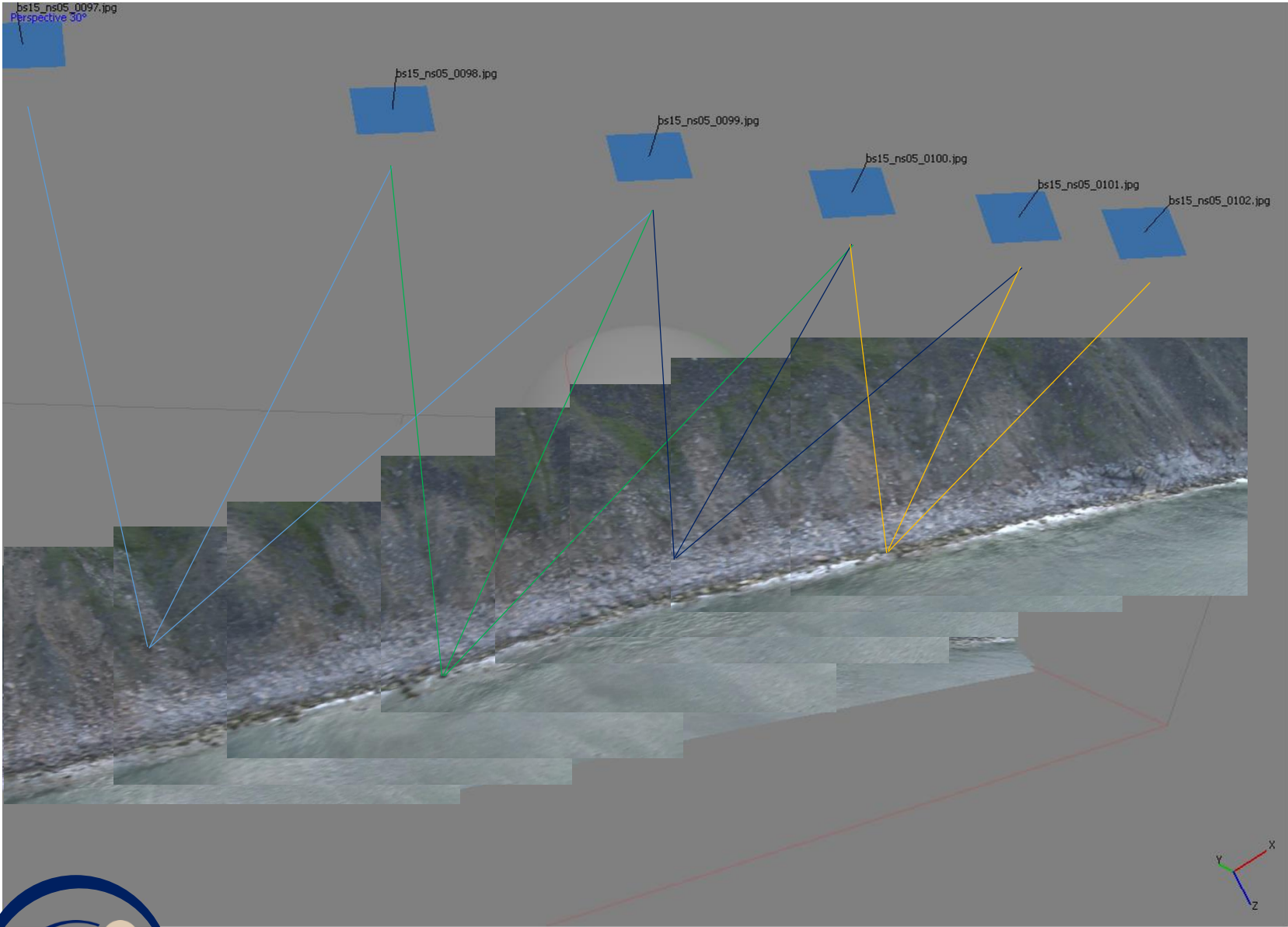


Research Study Design



Uses for ShoreZone Outreach and Education



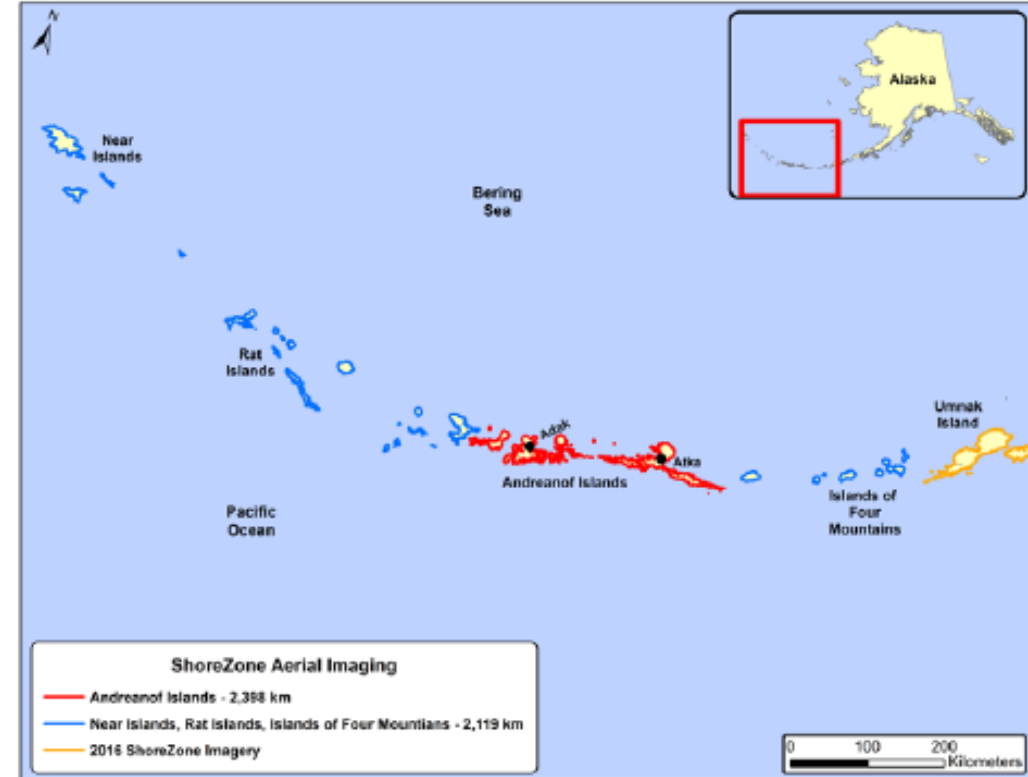
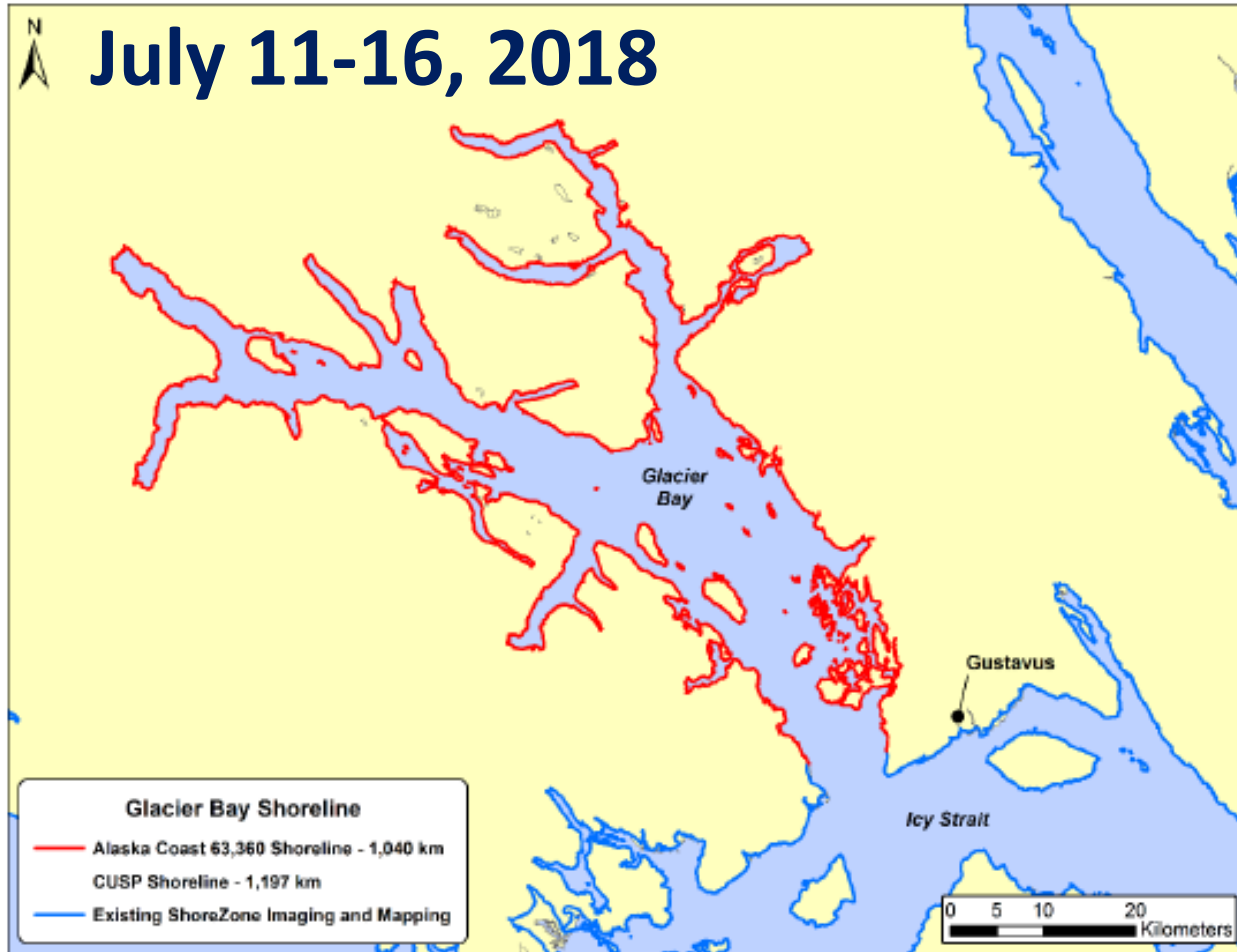


Developing ShoreZone for the Future

Structure From Motion



Future Projects in Alaska



Looking for Funding





Thank-you!

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