

# ShoreZone in the Arctic

## 8,000 km of Coastal Habitat Mapping

**AUTHORS:**

Cathy Coon | Bureau of Ocean Energy Management, [catherine.coon@boem.gov](mailto:catherine.coon@boem.gov)  
 John Harper | Coastal & Ocean Resources Inc., [john@coastalandoceans.com](mailto:john@coastalandoceans.com)  
 Cindy Hartmann Moore | NOAA/NMFS, [cindy.hartmann@noaa.gov](mailto:cindy.hartmann@noaa.gov)  
 Tahzay Jones | National Park Service, [Tahzay\\_jones@nps.gov](mailto:Tahzay_jones@nps.gov)  
 Bretwood Higman | Nuka Research & Planning Group, LLC, [hig@nukaresearch.com](mailto:hig@nukaresearch.com)  
 Mandy Lindeberg | NOAA/NMFS Auke Bay Laboratories, [mandy.lindeberg@noaa.gov](mailto:mandy.lindeberg@noaa.gov)  
 Mary Morris | Archipelago Marine Research Ltd., [marym@archipelago.ca](mailto:marym@archipelago.ca)  
 Tim Robertson | Nuka Research & Planning Group, LLC, [timrobertson@nukaresearch.com](mailto:timrobertson@nukaresearch.com)



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The *extensive dataset* will provide a continental-scale characterization of the Arctic shoreline and support planning efforts related to oil spills, coastal development, and climate change.



*Web-posting of aerial imagery* provides access to spatial imagery and the regional *mapping of coastal habitat features* provides a broad-scale planning tool.



Over **60 ground stations** provide high-resolution descriptions and photos.



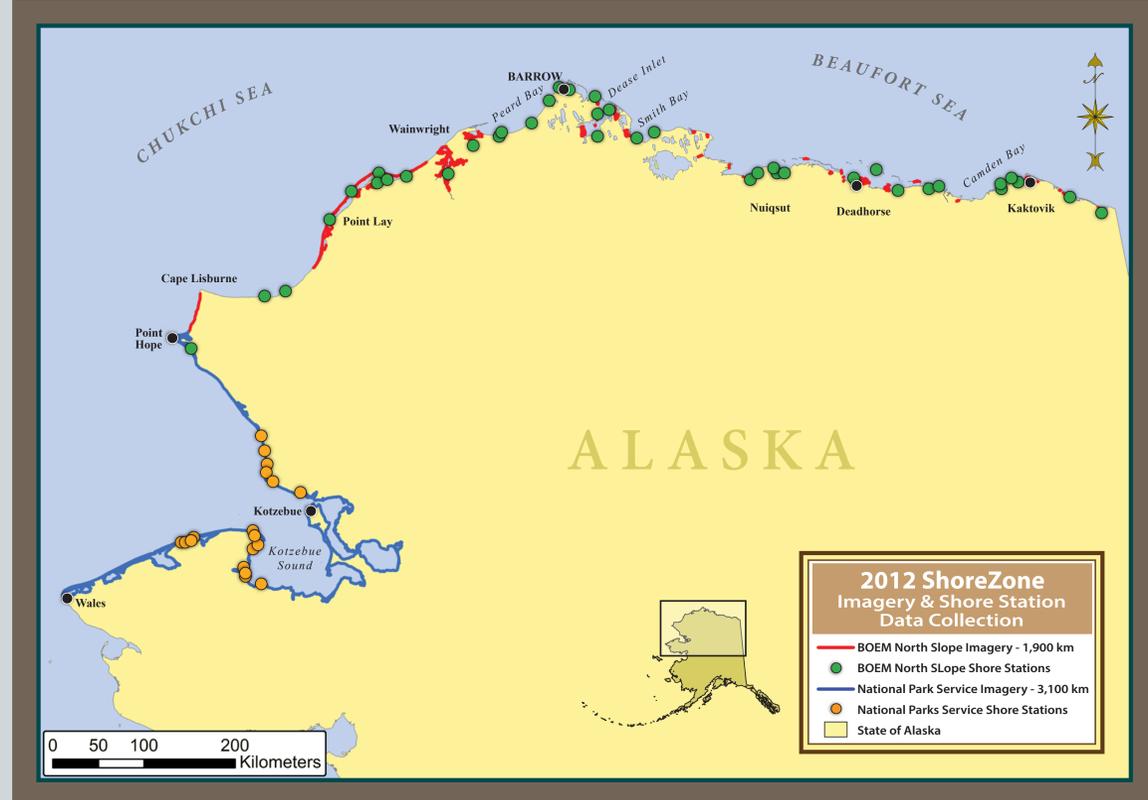
Inundated polygons, Beaufort coast



Permafrost, Beaufort coast



Barrier island and lagoon, Beaufort coast



Lagoon north of Kivalina



Marshes East of Kotzebue, in Holtham Inlet



Chukchi coast near Wales

*ShoreZone coastal habitat mapping* is underway along 8,000 km of Arctic shoreline.

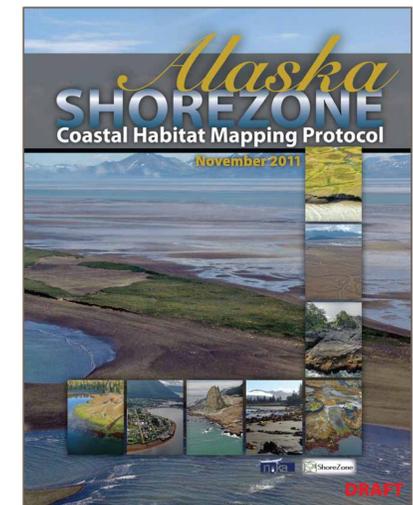


Kivalina, Chukchi coast

A *coastal hazards map* for selected areas will identify locations most sensitive to erosion, thaw subsidence, and storm-surge/sea-level-rise inundation.



Deering, south Kotzebue Sound



The *Alaska ShoreZone Coastal Habitat Mapping Protocol* has been updated to incorporate descriptions for periglacial landforms and biota observed on Arctic coastlines.

