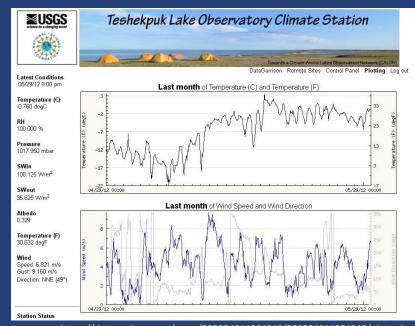
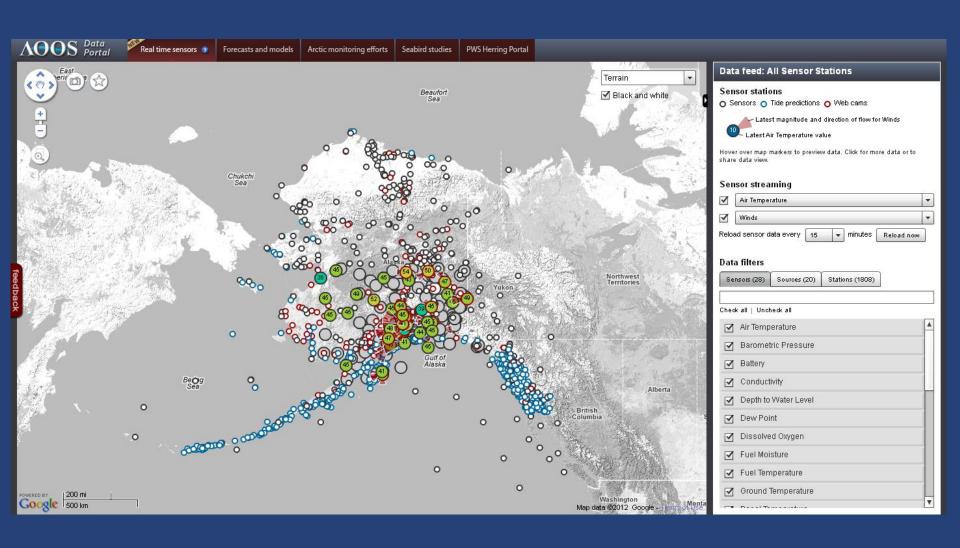
Near-Real Time Weather Data Transmission





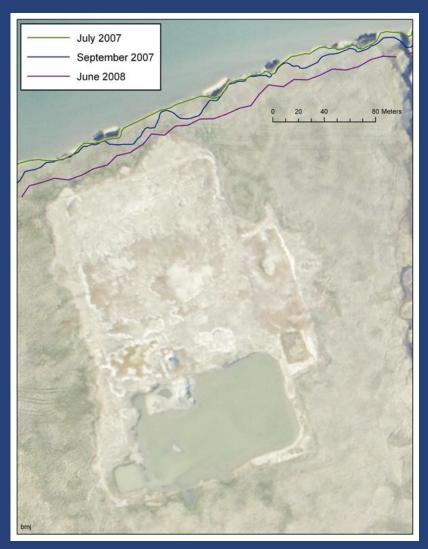
https://datagarrison.com/users/300234011204340/300234011204340/plots.php

AOOS Near-Real Time Data Portal



Repeat Aerial Photography and DGPS Surveys





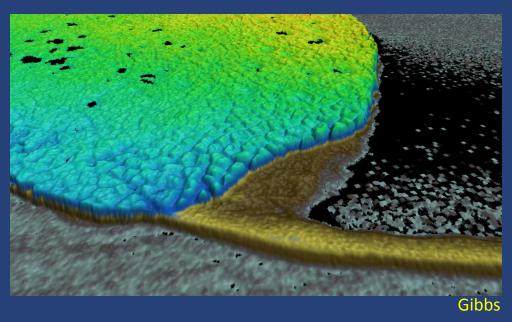
Unmanned Airborne Vehicles

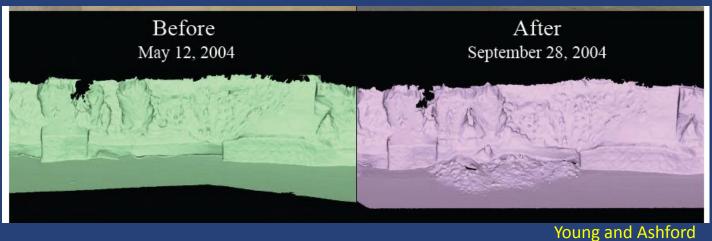


Description

Wing Span	4.5 ft
Air Vehicle Weight	4 lbs
Range	10+ km (LOS)
Airspeed	27-60 mph
Altitude	>300 AGL
Endurance	90 min Lithium
Payload	EO/IR Full Motion Video
	GPS- Radio uplink & down link
GCS/RVT	- Combined Weight – 14 lbs

Repeat Airborne and Ground-Based LIDAR





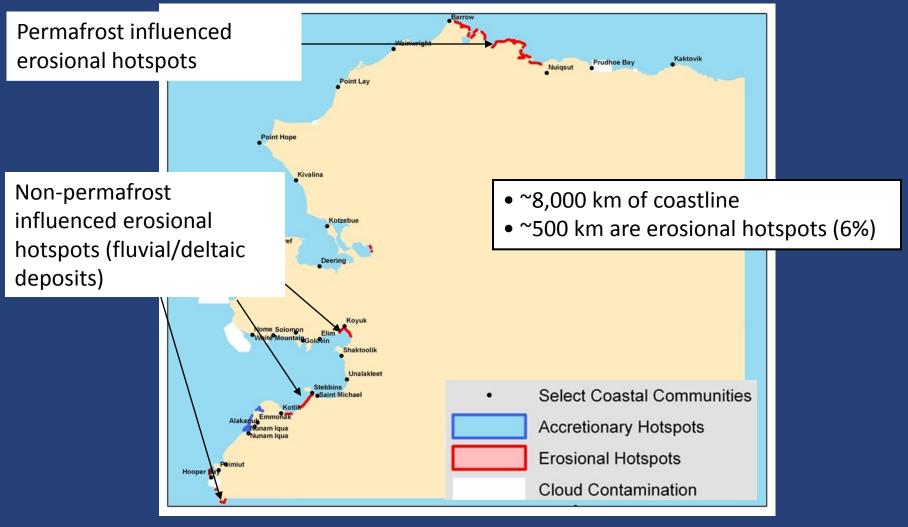
The name for our state is derived from the Aleut word alaxsxaq meaning "the object towards which the action of the sea is directed"



Remote Sensing of Changes to the Alaskan Coast



Change Detection of Northern and Western Coasts



Based on 27 circa-1985 and 29 circa-2000 Landsat TM and ETM images

Change Detection Using High-Resolution Imagery



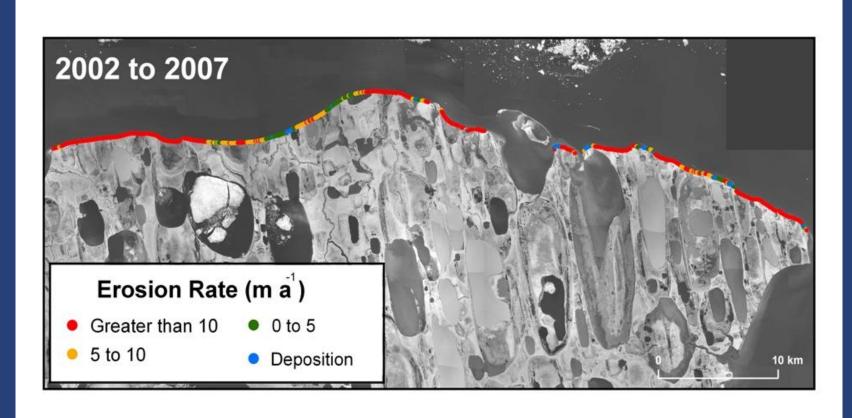


Change Detection Using High-Resolution Imagery





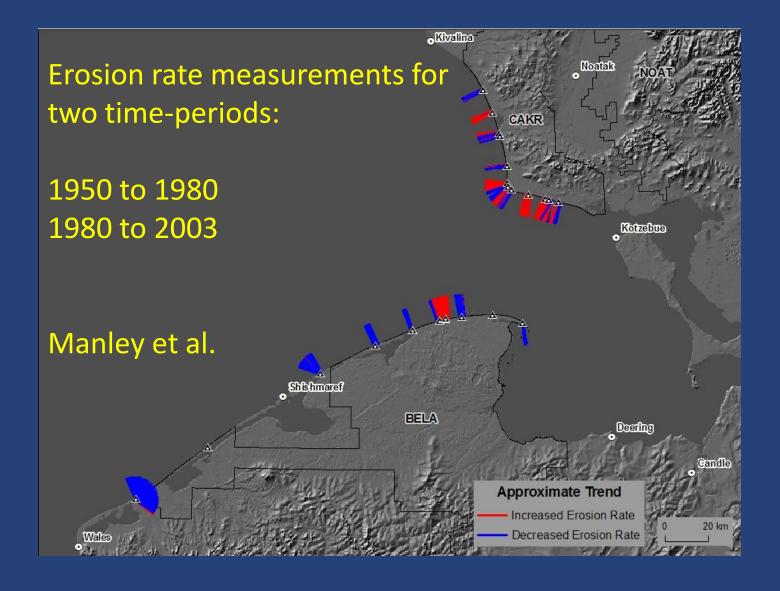
Permafrost Dominated Erosional Hotspot



Mean = 13.6 m/yr

- 91% erosional
- 9% depositional
- 70% > 10 m/yr

Permafrost Dominated Moderately Eroding Coast



Non-permafrost erosional hotspot and stable coast

