

Energy Policy Act of 2005

 Purpose: "to implement efforts to coordinate collection of scientific data that will provide a better understanding of the terrestrial, aquatic, and marine ecosystems of the North Slope of Alaska" Membership

Land and ocean management adencies • BLM MMS • NPS • FWS • NMFS ADFG ADNR ASRC NSB

Advisory
NWS
USARC
USDOE
USGS

 Science Technical Advisory Board

Collaboration of Research

Website <u>www.northslope.org</u>
 Annual Report to Congress

 Lists NSSI and co-funded joint projects

 Agency Senior Staff regularly meet to coordinate

Emerging Issues Summaries

Transmittal Memo



Weather and Climate



Increasing Marine Activity



Changing Sea Ice Conditions



Contaminants



Permafrost



Coastal and Riverine Erosion



Hydrology and Lake Drying



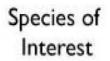
Coastal Salinization



Fire Regime



Vegetation Change





Migratory Birds



Caribou



Marine Mammals and Their Prey

AOOS Alaska Ocean Observing System The Eye on Alaska's Coasts and Oceans

- to improve our ability to rapidly detect changes in marine ecosystems and living resources, and predict future changes and their consequences for the public good.
- Gulf of Alaska
 Bering Sea
 Arctic

Members

- AK Sea Life Center
- NPRB
- NOAA Ak Fisheries
- PWSSC
- ADFG
- USARC
- USGS
- NWS
- UAF Sea Grant
- AKNative Science Consortium

- USMMS BASC UAF – School of **Fisheries** USCG ADEC ADNR Marine Exchange of AK NOAA-OAR
 - USCOE

Projects

Data clearinghouse/web access

<u>www.aoos.org</u>

Prince William Sound Pilot
Harbor Observing Networks
Cook Inlet
Arctic

Agency Collaborations

Challenges for Both

Huge areas to cover
Limited funding for the entities
Relying on Partner Agencies
Collaboration