

Current management of MPAs and other area-based management

Perspectives of NOAA Fisheries and NOAA Ocean Service

Candace Nachman, NOAA Fisheries and Amy Holman, NOAA Alaska Regional Collaboration Team

November 9, 2015

NOAA's Mission

- Science, Service, Stewardship
 - To understand and predict changes in climate, weather, oceans, and coasts
 - To share that knowledge and information with others
 - To conserve and manage coastal and marine ecosystems and resources
- NOAA's Vision of the Future
 - Healthy ecosystems, communities, and economies that are resilient in the face of change



NOAA's Arctic Vision

- NOAA envisions an Arctic where:
 - Conservation, management, and use are based on sound science and support healthy, productive, and resilient communities and ecosystems; and

 The global implications of Arctic change are better understood and predicted

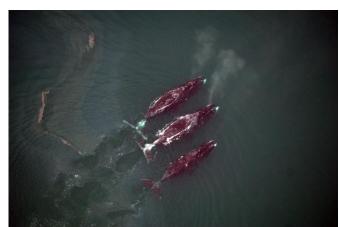


Photo credit: Cynthia Christman, NOAA



Photo credit: Jon Isaacs, AECOM



NOAA Fisheries Mission

- Providing vital services for our nation's ocean resources and their habitat—
 - Productive and sustainable fisheries
 - Safe sources of seafood
 - Recovery and conservation of protected species
 - Healthy ecosystems
- All backed by sound science and an ecosystembased approach to management



Marine Managed Areas: Fisheries

- Seasonal and gear restrictions
- Moratoria
- Coordination with fishery management council and regulations

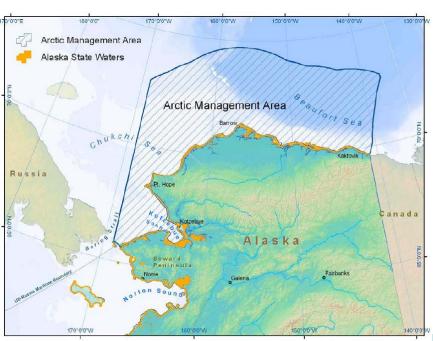




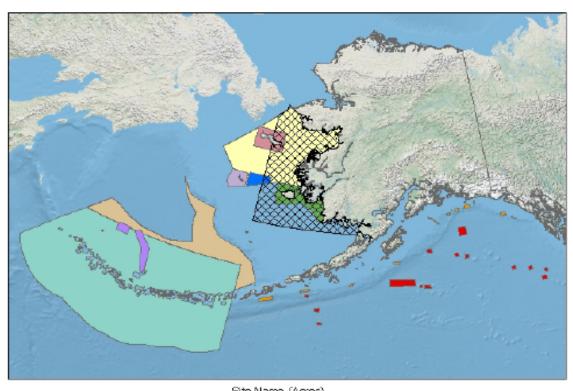
Photo credit: JJ Vollenweider, NOAA Fisheries



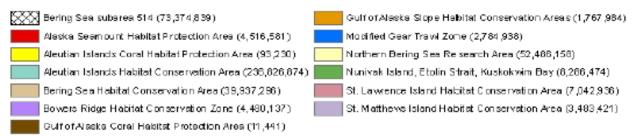
Marine Managed Areas: Habitat

- Essential Fish Habitat (EFH)
- Habitat Area of Particular Concern
- Habitat **Conservation Area**
- Habitat Protection Area
- Habitat **Conservation Zone**

EFH Areas Protected from Fishing in the US North Pacific





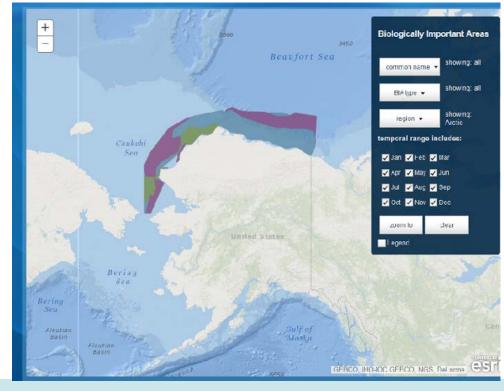




Marine Managed Areas: Protected Species

- Critical habitat
- Time/area closure mitigation measures (MMPA, ESA, NEPA)







Threats or Vulnerabilities

- Changes in marine community that could preclude or adversely impact recovery of protected species
- Currently no overfishing of commercial stocks



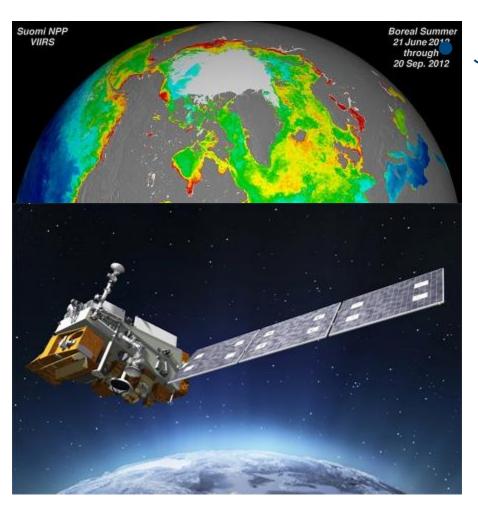


Opportunities



- Fishery management process
- ESA consultations and MMPA and NEPA processes
- Habitat Focus Area(s)

New Satellite Tools



Joint Polar Satellite System

- Visible Infrared Imaging Radiometer Suite
 - Day/Night Band can detect vessels not reporting locations
 - better sea surface temperature data
 - ocean color data



Coastal Zone Management Act



Key Elements

- Protecting natural resources,
- Managing development in high hazard areas,
- Giving development priority to coastaldependent uses,

- Providing public access for recrea
- Prioritizing water-dependent uses,
- Coordinating state and federal act

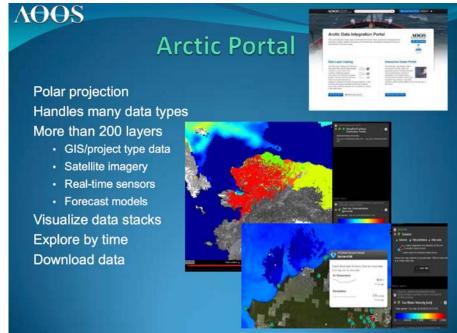


Alaska Ocean Observing System

Observations & Data

- Increase access to existing coastal and ocean data;
- Package information and data in useful ways to meet the needs of stakeholders; and





 Increase observing and forecasting capacity in all regions of the state, with a priority on the Arctic and Gulf of Alaska.

Resources for Additional Information

- NOAA's Arctic Theme page: http://www.arctic.noaa.gov/index.shtml
- NOAA Fisheries Alaska Region: http://alaskafisheries.noaa.gov/
- NOAA Fisheries Alaska Science Center: http://www.afsc.noaa.gov/
- NOAA's Biologically Important Areas Project: http://cetsound.noaa.gov/important

