



# FY2011: Regional Integrated Ocean Observing System Development

U.S. IOOS® is an operational system and a network of regional partners responsible for regional observations, data management, modeling and analysis, education and outreach, and research and development. The overarching purpose of U.S. IOOS is to address regional and national needs for ocean data and information. NOAA continued a merit-based funding process in 2011 to further development of the IOOS regional network. IOOS regional partners provide coordination with regional stakeholders while contributing data and other outputs to the national system – supporting regional priorities while advancing national objectives.

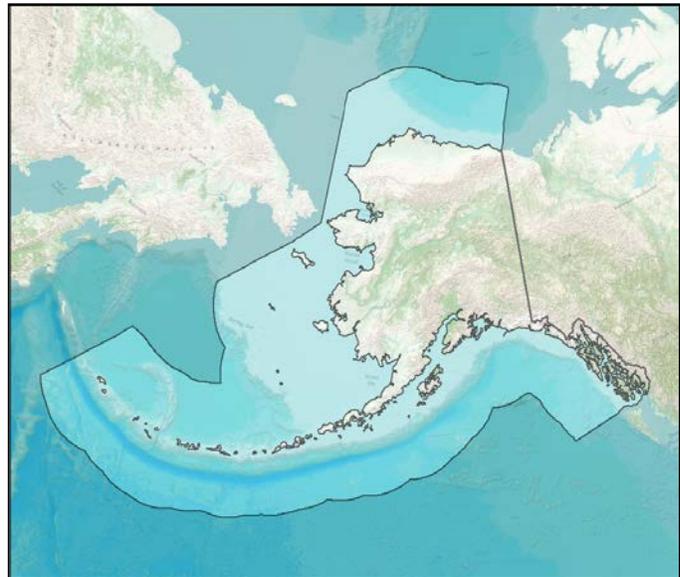
## ALASKA REGION

The Alaska Ocean Observing System (AOOS) is the regional association for the statewide coastal and ocean observing system and three regional observing systems (Gulf of Alaska, Bering Sea/Aleutian Islands, and Arctic) that are being developed for the Alaska region as part of U.S. IOOS. The mission of AOOS is to address regional and national needs for ocean information, gather specific data on key coastal and ocean variables, and ensure timely and sustained dissemination and availability of these data.

### NOAA Funding:

Prior to FY 2011, IOOS regional partners received two awards – one for development of the Regional Coastal Ocean Observing System (RCOOS), and one for planning and stakeholder engagement by a Regional Association (RA). In FY 2011, IOOS made a single award to each region for management of these activities. Funds awarded by NOAA since establishment of the U.S. IOOS Program Office are as follows:

FY 2011 - \$1,775,000  
FY 2010 - \$1,400,000 RCOOS, \$399,985 RA  
FY 2009 - \$1,000,000 RCOOS, \$399,969 RA  
FY 2008 - \$1,000,000 RCOOS, \$399,976 RA



### Regional Priorities:

AOOS works to support marine commerce; navigation safety; weather, climate, and marine forecasting; energy siting and production; economic development; ecosystem-based marine and coastal resource management; public safety; and public outreach training and education in the region.

Activities that AOOS will undertake in FY 2011 include:

- Maintain and expand data management services, data products, and archive
- Support weather stations in Prinec William Sound and Cook Inlet
- Test use of AIS system to increase access to weather information
- Plan for High-Frequency Radar siting
- Support weather Research and Forecasting (WRF) wind modeling for ocean models



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- Support Regional Ocean Modeling System (ROMS) circulation modeling
- Develop hydrologic model for Prince William Sound
- Maintain Cook Inlet wave buoy
- Develop electronic sea ice atlas
- Support Seward Line transect monitoring
- Increase ocean acidification monitoring
- Install tide station conductivity pilot
- Support marine animal tagging data acquisition
- Increase oceanographic measurements in Cook Inlet
- Conduct education & outreach activities
- Develop Alaska oceans and coasts report

## **Regional Contact Information:**

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