Progress Report for Year 3
Enhancing
Northwest Association of Networked Ocean Observing Systems (NANOOS)
#NA05NOS4731124

June 1, 2005 – November 30, 2005

This progress report describes activities carried out in support of enhancing the
Northwest Association of Networked Ocean Observing Systems (NANOOS).

N.B. *Although the start date for this grant was June 1, 2005, no grant monies were*
available to the PIs until November 1, 2005. Thus, this report describes activity
between November 1-30, 2005.

Project Goal and Description/Methodology

The goal of this project is to foster and enhance Pacific Northwest (PNW) Regional
Partnerships to grow constituencies and develop and implement governance structures
and business plans that will permit official federal certification of NANOOS as the PNW
Regional Association and thus allow for the eventual installation and long-term
maintenance of a PNW Regional Coastal Ocean Observing System (RCOOS).

Major activities to date:

   During this period we used NANOOS resources to:
   - establish or lay the foundation for subcontracts regarding DMAC and
     Education/Outreach
   - secure the services of an accomplished Web site designer/administrator to
     improve data delivery and access to the NANOOS Website
   - continue outreach activity to a variety of stakeholders including the Kitsap Rotary
     and San Juan Marine Resource Committee.

   Specific Project Objectives:

   1) **Identify the full spectrum of stakeholders** having significant interests in the

       waters of the Pacific Northwest to ensure their views and opinions are fully

       recognized and taken into account, and that this partnership building effort takes

       advantage of their scientific, economic, social, cultural and operational expertise.

   Activities to Date:
   - Made numerous contacts with stakeholders and potential users of NANOOS
     products in either individual or group meetings and presentations.
   - Gave evening talk on Puget Sound oceanography and NANOOS to the Kitsap
     Rotary Club on 10 November.

2) **Proactively engage the regional ocean science community** in this partnership-building project to ensure their expertise helps guide the eventual design and evaluation of the system. This approach will ensure the PNW Regional IOOS evolves to take advantage of new knowledge and technology as they are developed.

Activities to Date:
- Spoke with San Juan Marine Resource Committee regarding NANOOS and observing capability in the Strait of Juan de Fuca 16 November.

3) **Obtain input about sub-regional scale oceanographic concerns** by engaging with local stakeholders in advance of a major Regional Workshop and to ensure these factors are addressed at the Regional level. We will work within these smaller groups to build a sense of community and partnerships at the sub-regional scale and then translate this into strong regional partnerships through larger gatherings and workshops.

Activities to Date:
- Nothing specific during this period except the talks to Kitsap Rotary and San Juan MRC.

4) **Obtain consensus agreement on the overall process to define a Governance structure** for a Pacific Northwest Regional Association based on the partnerships developed in this project.

Activities to Date:
- Continue to receive signed MOA documents

5) **Build international and inter-Region partnerships** by engaging with Canadian colleagues and other western Regional Association efforts to build bridges to these efforts and ensure seamless integration of these efforts.

Activities to Date:
- Newton and Martin attend monthly NFRA conference calls and provide NANOOS updates to the collective, as well as hear the other nascent RA updates.

Status of progress
> **Governance Plan**
> This will be developed during year 3.

Business Plan
This will be developed during year 3.

Stakeholder identification and involvement
More MOAs have been signed.

We continue to make informal and formal contacts to a host of stakeholders on a one-to-one basis.

DMAC
We used NANOOS resources to secure the services of an accomplished Web site designer/administrator (UW-APL) to improve data delivery and access to the NANOOS Website.

The webmaster installed OpenDAP on the NANOOS server as part of the NANOOS DMAC effort. He investigated Live Access Server (LAS) technology to determine candidates suitable for NANOOS and compliant with IOOS DMAC requirements.

A contract was established with OHSU to further develop DMAC.

Education and Outreach
The contractors (OSU) for this component worked on a white paper to prioritize and guide these efforts during year 3.