

U.S.A. TCODE Report

October 19, 2006

Prepared by Tom Royer and Bernard Megrey

1. Key Institutions/Key Persons

National Marine Fisheries Service, Alaska Fisheries Science Center

<http://www.afsc.noaa.gov/>

Bern Megrey

Pacific Marine Environmental Laboratory

<http://www.pmel.noaa.gov/>

Allen Macklin

University of Alaska, Fairbanks

<http://www.ims.uaf.edu/ims-research/dataarchives.html>

<http://www.ims.uaf.edu/ims-research/imsprojects.html>

Seth Danielson

Gulf Ecosystem Monitoring (EXXON VALDEZ Oil Spill Trustees Council)

<http://www.evostc.state.ak.us/Policies/data.htm>

Michael Schlei

North Pacific Research Board (NPRB)

<http://www.nprb.org>

Clarence Pautzke

Alaska Marine Information System (AMIS)

<http://amis.nprb.org/>

Rob Bochenek

Alaska Ocean Observing System (AOOS)

<http://www.aoot.org>

Molly McCammon

U.S. GLOBEC, Northeast Pacific Program

<http://globec.oce.orst.edu/groups/nep/>

Hal Batchelder

Pacific Fisheries Environmental Laboratory

<http://www.pfeg.noaa.gov/>

Frank Schwing

OCEANS.US

<http://ocean.us/>

Mary G. Altalo

US Arctic Research Commission

<http://www.arctic.gov/>

Mead Treadwell

Arctic Yukon Kuskokwim Sustainable Salmon Initiative

<http://www.aykssi.org/prod/>

Joseph Spaeder

2. Technical Methodologies

ARGO

<http://www.argo.ucsd.edu/>

Sea Surface winds (Quikscat)

<http://winds.jpl.nasa.gov/>

Gulf Ecosystem Monitoring (GEM) Ferrybox Program

http://www.pmel.noaa.gov/foci/GEM/alaska_ferry/GEM_program.html

3. Ongoing Data Management Programs

National Oceanographic Data Center <http://www.nodc.noaa.gov/>

Note: There is now a 2005 World Ocean Atlas available at this NODC web site.

OCEAN.US DMAC http://dmac.ocean.us/dacsc/imp_plan.jsp

National/regional conferences and workshops on marine data management, publications US Coastal Observing System regional workshops, Alaska, California, Oregon-Washington are in the planning and implementing phases for their field programs and data management.

Several marine observing/monitoring programs in Alaska are coordinating their data management and archiving activities. These include NPRB, AOOS, and the Arctic Yukon Kuskokwim Sustainable Salmon Initiative (AYK SSI). A major Bering Sea integrated ecosystem program (BSIERP) is being initiated this year by the North Pacific Research Board (NPRB). This program will be coordinated with the newly funded National Science Foundation Bering Sea Ecosystem Study (BEST) as part of the Study of Environmental Arctic Change (SEARCH). NPRB will be initiating a parallel integrated ecosystem program for the Gulf of Alaska in 2007-8.

4. Real-time data sources

NDBC <http://www.ndbc.noaa.gov/>

NASA <http://www.nasa.gov>

NOAA <http://www.noaa.gov>

AOOS <http://www.aos.org>

NCEP <http://www.nco.ncep.noaa.gov/pmb/nwprod/analysis/>

Bering Sea Climate and Ecosystem <http://www.beringclimate.noaa.gov/>

5. Data visualization and analysis

FERRET <http://ferret.wrc.noaa.gov/Ferret/> - Software for data and data displays for the North Pacific

Ocean Data View <http://www.awi-bremerhaven.de/GEO/ODV/> - Software for the display of global hydrographic data.

6. Data exchange policies

National Science Foundation policy on data submission and handling is generally followed by all agencies except fisheries.

http://www.nsf.gov/pubs/2004/nsf04004/nsf04004_1b.htm