WASHINGTON STATE DEPARTMENT OF
Natural Resources
PETER GOLDMARK - Commissioner of Public Lands

INTERAGENCY AGREEMENT WITH THE UNIVERSITY OF WASHINGTON

Agreement No. IAA 13-156

This Agreement is between the University of Washington, referred to as UW and the Washington State Department of Natural Resources, referred to as the DNR.

The DNR is under authority of RCW Chapter 43.30 of Washington State, Department of Natural Resources. DNR and UW enter into this agreement under Chapter 39.34, Interlocal Cooperation Act.

The purpose of this Agreement is to provide, GIS data layers and other map products defined by the Pacific County MRC as important to coastal marine spatial planning, including those related to shellfish aquaculture and growing areas, invasive species, and shoreline designations. This information will be developed from existing datasets on coastal resources.

Attachment A
STATEMENT OF WORK

The objective of this project is to utilize existing datasets on coastal resources to generate GIS themes defined by the Pacific County MRC as important to coastal marine spatial planning.

Task 1: Compile existing and expand as necessary mapping data of commercial, private, tribal, and public shellfish growing areas and transfer into shapefile

ONRC has extensive background and experience with shellfish growing areas in Willapa and possesses a current ARC shapefile on private and public shellfish bed boundaries in Willapa Bay that was developed in cooperation with the USDA. ONRC also has a public ownership shapefile that contains inaccuracies related to DNR and WDFW tideland ownerships. Staff would need to correct this data and obtain similar data for Grays Harbor (GH) and the north coast to produce a quality GIS theme.

Task 2: Mapping of "beneficial use" areas displaying singular and overlapping use areas

Beneficial uses classification extends across a number of categories of use including shellfish aquaculture. ONRC does not have this dataset, but has familiarity with available estuarine datasets. Staff would create this dataset by assembling available data and determining missing categories of "beneficial uses."

Task 3: Mapping identified invasive species

ONRC has over ten years of experience mapping invasive species including spartina and knotweed. ONRC has led the fine-scale monitoring and mapping effort in the final phase of Willapa Bay's spartina eradication program. We would acquire the dataset for GH and coastal spartina sites. ONRC has the USDA data for Zostera japonica and burrowing shrimp from 2009 & 2010, but this dataset is owned by the USDA. Staff contacted USDA to seek permission for use of this data. USDA has made some efforts to evaluate recent changes in selected areas. Other invasives such as oyster drill and green crab may not be well surveyed. Staff would contact agencies to assemble existing data.

Task 4: Mapping of shoreline designations

ONRC has detailed tidal information that will be useful in mapping shorelines for Willapa Bay and the outer ocean coast. This data was generated by LiDAR surveys and subsequent comparison with empirical observations. ONRC has extensive experience in shoreline designation mapping as a result of the work done for Clallam County over the past two

years. Staff would obtain the Shoreline Master Plan (SMP), related ordinances, hard copy maps from Pacific County DCD to convert this information into a shapefile with shoreline segment boundaries, use categories, shoreline jurisdiction zones, critical areas, public access sites, restoration and protection plans, and other relevant themes.

Task 5: Integrate seafloor mapping and document areas that supports shellfish growing as beneficial use

ONRC has coastal LiDAR data and very recent Willapa Bay bathymetry. UW oceanographers use bathymetric information as baselayer for ocean circulation/upwelling/plankton bloom modeling. The highest resolution data held by the Navy may not be accessible due to national security concerns. ONRC and UW oceanographers will determine the availability of existing sea floor mapping data and prepare recommendations on the need for additional surveys.