

Oregon Coastal Planners Network

Fall 2015 Webinar



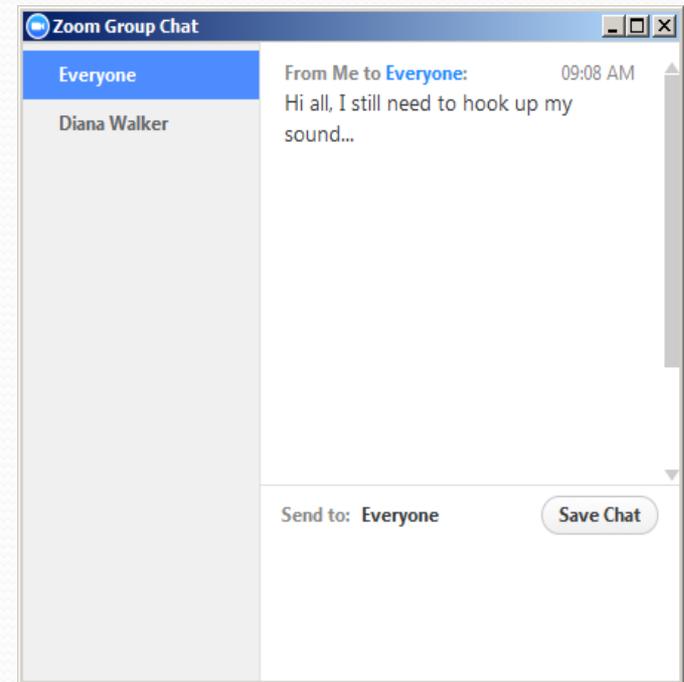
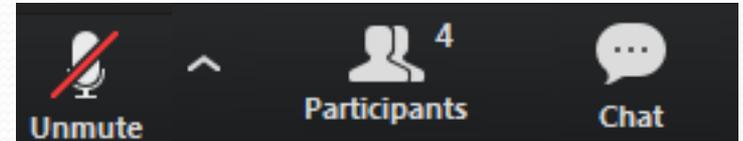
October 22nd, 2015
10:00am

Webinar Agenda

- Federal and State Funding Update - Patty Snow
- Status of the HUD Natural Disaster Resilience Grant - Dave Perry
- Introduction of Sea-level Rise Vulnerability Inventory - Julie Sepanik
- Introduction of New Estuary Project of Special Merit - Andy Lanier
- Shorezone Project Update and New Products- Andy Lanier
- Coastal Hazard Planning Updates - Laren Woolley
- Input on Spring Meeting Topics

Housekeeping

- To improve the quality of the audio for everyone, please mute yourself while presentations are in progress 😊
- Feel free to unmute yourself when you have a question
- If you have trouble with audio, or want to ask a question but do not have a microphone, use the **Zoom Group Chat** option, and we will read it to everyone.



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State and Federal Funding Updates

- 30% of NOAA Section 306 Grant Withheld Due to Coastal Nonpoint Source Pollution Program Disapproval
- No E-board this year
- Board of Forestry November Rule Making
- General Fund Request at February Legislative Session
- Application for NOAA Community Resilience Grant (1 of 140 nationwide)
- NOAA 312 Evaluation of the OCMP in 2016

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HUD Natural Disaster Resilience Grant

- Oregon is applying for HUD National Disaster Resilience Competition (NDRC) funds.
- The objective is to create a cohesive coastal resilience program that will strengthen partnerships among governments, non-profits and philanthropists and create a unified mission.
- Oregon will utilize the Governor's Regional Solutions framework to identify the best and most effective projects



HUD Natural Disaster Resilience Grant

- The State's main objective is to coordinate a resiliency strategy, which will be called the *Oregon Rural Resilience Incubator*.
- The *Oregon Rural Resilience Incubator* will be pilot tested in the coastal communities of Brookings and Reedsport, that have experienced qualifying disaster events and are prepared to support the program with local participation and other resources.



HUD Natural Disaster Resilience Grant

- The NDRC grant would provide much needed resources to these communities.
- The *Oregon Rural Resilience Incubator* will allow our target areas to frame their needs and then work closely with partners to identify and implement the most impactful CDBG-NDR eligible projects.



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Sea-level Rise Vulnerability Inventory

NOAA Coastal Management Fellow Project (ongoing until December 2017)

- Goals

1. Provide useful information to local communities on their asset exposure to sea-level rise.
2. Provide an asset inventory to be used as the first step in adaptation planning at the local level.

- Project Area

- 22 estuaries and adjacent shorelands with estuary management plans

- Create sea-level rise planning areas

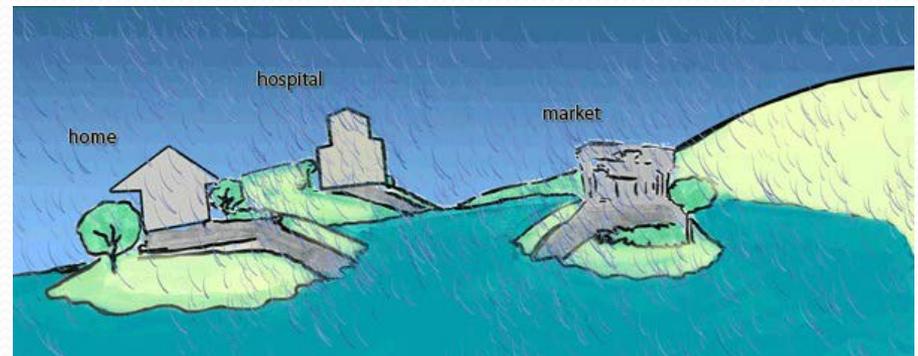
- Three current water levels plus 2030, 2050, and 2100 sea-level rise estimates



Photo Credit: Outlier Solutions, Inc., and LightHawk

Sea-level Rise Vulnerability Inventory

- Inventory assets within the planning areas
 - Potential categories: infrastructure, socioeconomics, natural resources
- Deliver inventory to county and local planners
- Any guidance/input welcome
 - Assets of concern
 - Data gaps
 - Data sources
 - Final product format
 - Map viewers, database, reports??



Julie Sepanik

julie.sepanik@state.or.us

(503) 934-0035

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Oregon Estuary & Shorelands Habitat Project of Special Merit



CMECS Products

Phase II



Project Contact

Andy Lanier, Andy.Lanier@state.or.us , 503-934-0072



Phase II Activities

OCMP will work closely with key data stewards and partner agencies to incorporate specific high-value data sets into the existing first generation Oregon Estuaries CMECS data products:

- Biological Data
 - Shellfish: ODFW Marine Resources Program for integration of datasets generated by the Shellfish and Estuarine Assessment of Coastal Oregon (SEACOR);
 - South Slough National Estuarine Research Reserve for integration of data for the Coos Estuary Inventory data;
 - Tillamook Bay National Estuary Program for integration of tidal wetlands data; and
 - US EPA Pacific Coastal Ecology Lab for integration of detailed data to characterizing submerged aquatic vegetation and information about faunal communities.
- Site Specific Bathymetric Data
- Site Specific Estuary assessments:
 - Necanicum, Nehalem, Tillamook, Yaquina, Alsea, Siuslaw, and Umpqua estuaries conducted by the Estuary Technical Group, Institute for Applied Ecology and Green Point Consulting

Products will include updated CMECS component data layers, updated web applications, and new hard copy publications similar to the original Estuary Plan Book.

Phase I Resources:

- Download the data at:
<http://www.coastalatlasing.net/cmecs>
- Browse the data on the Estuary Planning Viewer:
<http://www.coastalatlasing.net/estuarymaps>
- Electronic Version of the Estuaries Summit Poster available at:
http://www.coastalatlasing.net/documents/cmecs/RAE_2014_Poster.pdf
- Dig into the methods at:
http://www.coastalatlasing.net/documents/cmecs/ESM_CoreGISMethods.pdf



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Oregon ShoreZone



Andy Lanier
Oregon Coastal Management Program
Andy.Lanier@state.or.us



Welcome to Oregon ShoreZone

Oregon ShoreZone is a project that builds upon several decades of previous work. There are existing ShoreZone projects covering the shorelines of [Alaska](#), British Columbia, and [Washington](#). The addition of Oregon to the ShoreZone family extends this valuable dataset from the Columbia River mouth down to the California border.

ShoreZone Images

Oblique low-altitude digital still imagery of the Oregon shorezone was collected to supplement ShoreZone video. Browse these image locations via an online map and link to full resolution downloads.

[Browse Photos](#)

ShoreZone Data

ShoreZone georeferenced aerial imagery is collected specifically for the interpretation and integration of geological and biological features of the intertidal zone and nearshore environment. This information is now available in an ESRI Geodatabase.

[Get Data](#)

ShoreZone Videos

Oblique low-altitude aerial video and digital still imagery of the Oregon coastal zone was collected during the lowest tides of the year in June 2011 from a helicopter flying at altitudes of 100-300m altitude. These videos are now available to stream online.

[Watch Videos](#)

<http://www.oregonshorezone.info>

Project Scope

- Initial Survey(2011)
 - 2,071 km of Oregon ocean and estuary shoreline photographed
- Shoreline Mapped (2014)
 - 95% of video imagery classified
- Video Application Developed (June 2015)
- Website Developed (Oct 2015)



Figure 2. Map of the study area in Oregon (2,633 km based on CUSP shoreline length)

A New ShoreZone Video App



Select a System | Select a Name ▶

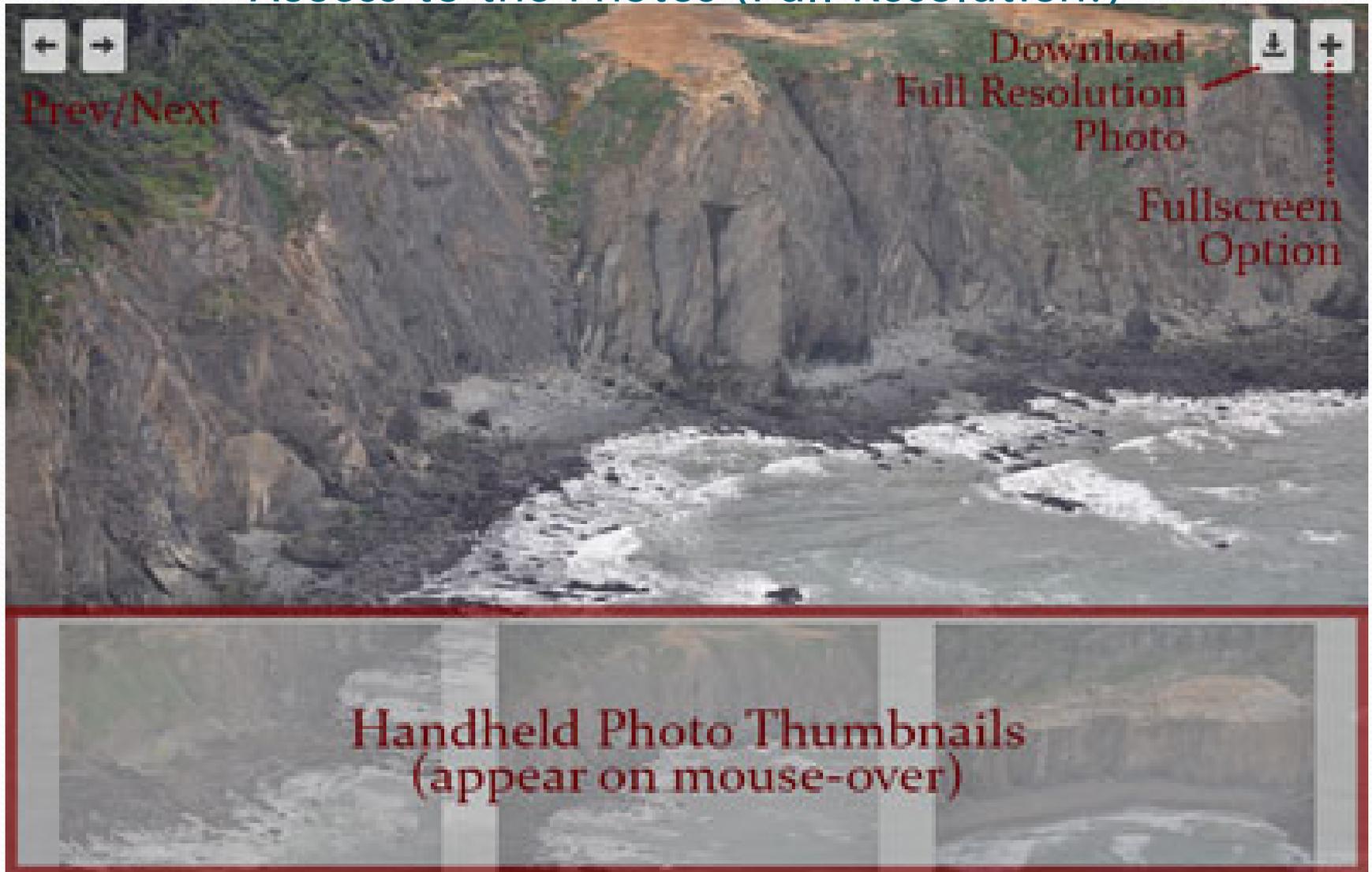
A Focus on the Video Imagery

- Videos can be played from two different sources to optimize playback (YouTube, Oregon Coastal Atlas)
- Named system segments are provided in the menu for ease of browsing the imagery (Littoral Cells, Rocky Shores, Estuaries, Communities).
- Adjacent systems are suggested to the N, S



The Photo Panel:

Access to the Photos (Full Resolution!)

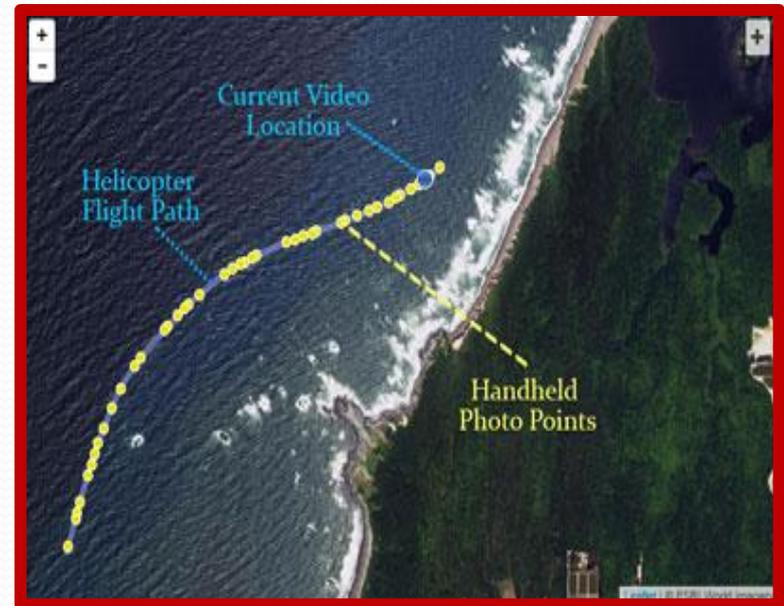


The Map Panel:

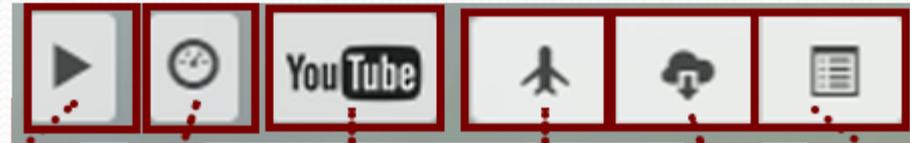
Easily navigate to areas of interest

The panel shows the extent of the ShoreZone segment selected for display while also enabling navigation to specific locations by moving the blue dot from its current location to the desired one (and then clicking play button on the video panel).

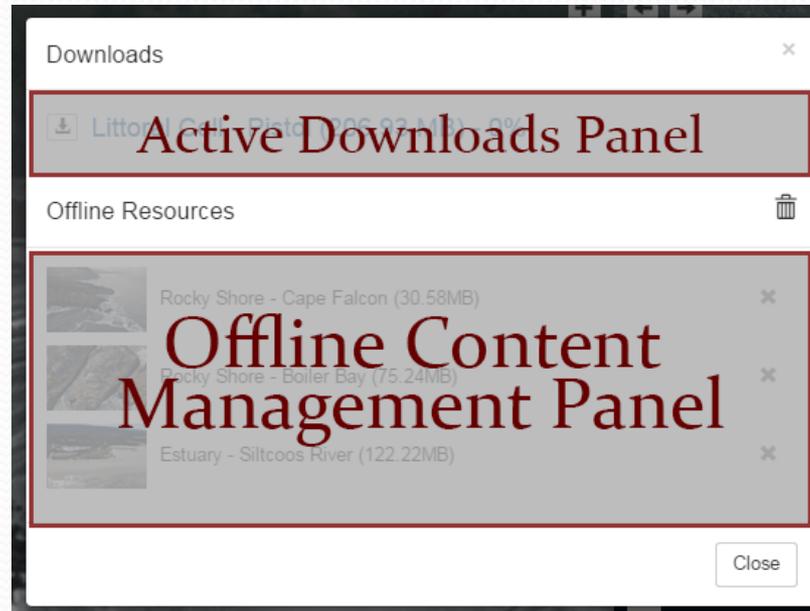
Basemap Toggle provided to switch between imagery and map background.



ShoreZone To Go - Offline Mode!



Play/Pause Slow Motion Video Source Offline Mode Segment Download Download Menu



ShoreZone Acknowledgements

Project Partners

ODFW - Dave Fox

DLCD- Andy Lanier, Tanya Haddad

ShoreZone Contractors

Coastal and Ocean Resources - Dr. John Harper,

Coastal and Ocean Resources - Dr. Carl Schoch

Archipelago Marine Research - Mary Morris

Mapiworks - Mario Pilz

Funding

State of Oregon

Department of Fish and Wildlife

Department of Land Conservation and Development

Department of Administrative Services - Oregon

Geographic Information Council

NOAA Office of Ocean and Coastal Resource Management

USFWS State Wildlife Grants



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Coastal Hazard Planning Updates

Laren Woolley
Coastal Shores Specialist

- NOAA Coastal Resilience Grant Application
- Ongoing Tsunami Land Use Work
- Neskowin Coastal Erosion Adaptation Plan Update
- Potential for Winter Coastal Erosion - High!



NOAA Coastal Resilience Grant

- DOGAMI and DLCD applied for this grant

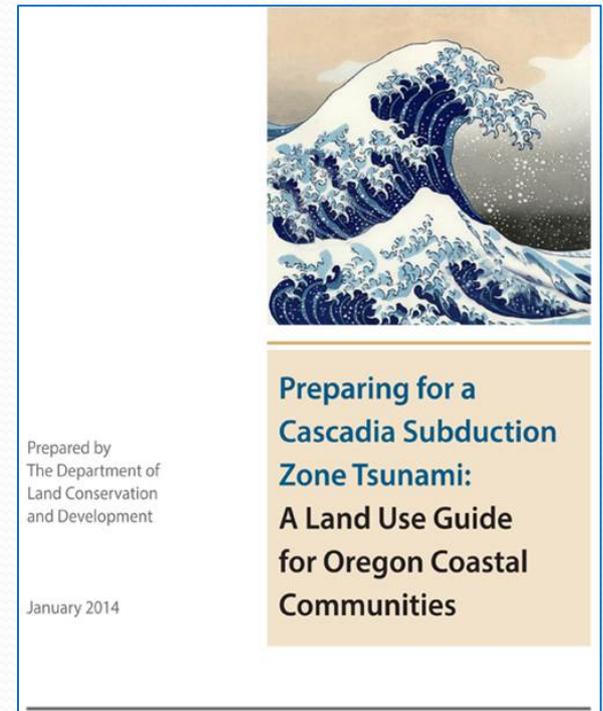
Proposal includes:

- DOGAMI Time and Distance Modeling for selected communities
 - \$\$\$\$ support for tsunami land use work for a number of jurisdictions
- We should know something by the end of November
- The grant is very competitive
- We are also looking for additional/alternative resources for this work



Tsunami Land Use Work

- Tsunami Guide Update - More robust Chapter 6 completed this past Spring
 - Planned and anticipated
 - Detailed guidance on tsunami evacuation facilities improvement planning
 - Similar to a land use public facility plan
 - Necessary for development financing tools/land use code provisions to work
- Ongoing Work
 - Preliminary discussions - Numerous communities have engaged and want to move forward
 - More formal work:
 - Clatsop County
 - Coos County
 - Curry County
 - 11 jurisdictions have committed in writing to move forward, utilizing the DLCD guidance, when resources becomes available



Neskowin Coastal Erosion Adaptation Plan

- Tillamook County has adopted the amendments which include:
 - Comprehensive plan text, policies and maps
 - Development code provisions including:
 - New Overlay - "Neskowin Coastal Hazard Overlay Zone" with associated requirements
 - Erosion control and stormwater management provisions
- Amendments became final in August 2015
- Tillamook County and Neskowin community members did a great job

- Contact me for more information
- Possibly a panel on this effort in the Spring...

The Neskowin Coastal Erosion Adaptation Plan

Completed August 2015



Tillamook County

Department of Community Development

1510 B Third Street, Tillamook, OR 97141

<http://www.co.tillamook.or.us/gov/ComDev/>

Development of this plan was supported through financial assistance provided by the Coastal Zone Management Act of 1972, as amended, administered by the Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration.

Potential for Winter Coastal Erosion - High!

- Super El Nino Potential
 - Setting up much like the 1997/98 “Super El Nino”
 - Pacific Northwest generally: Warmer temperatures, drought persisting
 - Oregon coast: Could receive a number of high energy storm systems which could cause significant erosion - similar to 1997/98
- Quick “Beachfront Protective Structure” Refresher
 - Goal 18 limits BPS eligibility to development that occurred prior to 1977
 - Local governments make official eligibility determination
 - OCMP developed a comprehensive inventory (Ocean Shores Data Viewer):
<http://coastalatlantlas.net/oceanshores>
- OPRD Contact Information:
Jay Sennewald
Ocean Shores Permit Coordinator
Email: jay.sennewald@oregon.gov
Phone: 541-563-8504



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Input on Spring Meeting Topics?

- Neskowin Adaptation Planning Panel
- Affordable Housing Panel
- Involvement of Academia in Planning Projects
- DOGAMI Time and Distance Modeling
- Tribal Panel
- DSL Wetland Notice Process

Questions?



Photograph by: Andy Lanier

Program Staff Contact Info:

- Patty Snow, Patty.Snow@state.or.us, (503) 934 - 0052
- Dave Perry, Dave.Perry@state.or.us, (541) 574 - 1584
- Julie Sepanik, Julie.Sepanik@state.or.us, (503) 934-0035
- Andy Lanier, Andy.Lanier@state.or.us, (503) 934 - 0072
- Laren Woolley, Laren.Woolley@state.or.us, (541) 574 - 0811

