Washington State's

Blue Ribbon Panel on Ocean Acidification

Meeting #2: April 25, 2012

Webinar

AGENDA

2:00-2:05	**Welcome and Review of Webinar Goals & Instructions** Lara Whitely Binder, UW Climate Impacts Group (CIG)
2:05 – 2:40	*Presentation and Discussion* **Review of Current Marine and Related Monitoring Programs in Washington** Jan Newton, UW Applied Physics Laboratory and Christopher Krembs, WA Dept. of Ecology
2:40-3:00	*Presentation and Discussion* **Review of Federal Efforts to Address Ocean Acidification** Ed Miles, UW CIG and John Stein, NOAA NWFSC
3:00 – 3:30	*Presentation and Discussion* **Overview of Addressing the Science of Ocean Acidification Responses** Brad Warren, Sustainable Fisheries Partnership **Overview of Policy Tools Identified for California and Potential Approach for Washington's Ocean Acidification Policy Toolkit White Paper** Ryan Kelly, Center for Ocean Solutions
3:30-3:55	*Presentation and Discussion* **Results of Pre-Meeting Requests to Panel Members and Other Updates** Lara Whitely Binder, UW CIG; Hedia Adelsman, WA Dept. of Ecology; Meg Chadsey, WA Sea Grant
3:55-4:00	**Next Steps and Meeting Close** Lara Whitely Binder, UW CIG

About Panel Member Input

- Your input is vital!
- Objectives in asking for input:
  - Take full advantage of individual and institutional knowledge of the Panel
  - Avoid an August meeting and end-of-process scramble
- Will continue soliciting input from Panel members via email to help facilitate development of action recommendations in June and July

Key Questions Submitted To Date

- What is the historical variability of ocean chemistry parameters in different Washington state waters, specifically?
- What are the projections for changes in upwelling intensity/duration in Washington, and how confident are we in those projections?
- What is the contribution of the Puget Sound region, in terms of nutrients and CO2 loads, to the OA status in our waters? *Related:* How can we better estimate the relative contributions of different drivers to OA in Puget Sound? On the outer coast?
- What's the next-most vulnerable industry, after shellfish?
- How did molluscs survive during the last rapid rate of change in pH levels 300 million years ago? How have they survived in estuaries all these years when they encounter freshwater systems with an average pH of 7?

Preliminary Action "Bins"

Draft - subject to change. Actions may fall in multiple categories.

- **Research**
- **Monitoring**
- **Public Outreach & Education**
- **Source Reduction** (e.g., reducing nutrient, carbon inputs)
  - *via regulatory & non-regulatory measures, technology changes, public outreach & education*
- **Remediation** (i.e., buffering strategies to reduce impacts of carbon, nutrients, and turbidity in the system)
  - *Via regulatory & non-regulatory measures, technology changes, research & monitoring*
- **Adaptation** (i.e., coping with OA impacts)
  - *via regulatory & non-regulatory measures, technology changes, public outreach & education*

Identified Potential Programs (to date)

Laws and Regulations

- Growth Management Act
- Voluntary Stewardship Program
- Shoreline Management Act
- Ocean Resources Mgmt Act
- Seashore Conservation Act
- Shellfish Protection
- State Environmental Policy Act
- Water Pollution Control Act
- Dairy Nutrient Management Act
- Waste Discharge Requirements
- Watershed Planning Act
- Forest Practices Act
- Air Pollution Control
- GHG limits and inventory
- Air quality standards

Incentive Programs

- NW Straits Commission Projects
- Urban Waters Initiative
- Stormwater Grants
- Wildlife and Recreation Grants
- Estuary and Salmon Restoration Program
- Conservation Assistance Revolving Account
- Forest Legacy Program
- Farmland Preservation Program
- Wetlands Reserve Program
- Grassland Reserve Program
- Coastal Protection Fund
- Transferrable Development Rights
- Federal EQIP Program

Identified Potential Partners (to date)

***Initial list based on limited input**. Most of this list reflects groups identified with existing pilot projects. More will be added.*

- **Fed/state/local govt & agencies:** King County, NOAA
- **Tribes:** Puyallup Tribe
- **Industry:** Penn Cove Shellfish Company, Taylor Shellfish
- **NGOs:** Pacific Shellfish Institute, Puget Sound Restoration Fund, Pacific Science Center
- **Foundations:** The Russell Family Foundation
- **Other:** NANOOS

Plan is to contact identified groups where appropriate for more detailed information on potential roles (capacity, contacts, etc.).

Work Plan Summary Prepared

Task	*4/30 - 5/4*	*5/7-5/11*	*5/14-5/18*	*5/21-5/25*	*5/28 - 6/1*	*6/4-6/8*	*6/11-6/15*	*6/18-6/22*	*6/25-6/29*	*7/2-7/6*	*7/9-7/13*	*7/16-7/20*	*7/23-7/27*	*7/30 -8/3*	*8/6-8/10*	*8/13-8/17*	*8/20-8/24*	*8/27-8/31*
4. Policy and Other Recommendations																		
4.1. Solicit initial ideas, groups, etc.	**4/13**						**6/15**											
4.2. Synthesize initial ideas								*6/18*	*6/25*									
4.3. Panel discussion								**6/20**										
4.4. Edits to recs based on meeting								*6/21*	*6/26*									
4.5. Panel review									**6/26-6/29**									
4.6. Additional edits to recs										*7/2-7/3*								
4.7. Panel prioritizes recs											**7/9-7/13**							
4.8. Synthesize results												*7/16-7/18*						
4.9. Present & discuss recs												**7/20**						
4.10. Edit non-science recs													*7/23-7/27*					
4.11. Panel reviews recs														**7/30 -8/3**				
4.12. Final draft list of priority non-science recs															*Complete: 8/6*			