

Ecological Effects of Wave Energy Development in the Pacific Northwest

A Scientific Workshop

October 11-12, 2007

Hatfield Marine Science Center

Newport, Oregon

Agenda

Day One

Morning Session: Hennings Auditorium, HMSC Visitor Center (open)

- 9:00 a.m. **Welcome and Overview of Workshop Objectives**
George Boehlert, Hatfield Marine Science Center, OSU
- 9:10 a.m. **Wave Energy Interest in the Oregon Coast: Policy and Economic Considerations**
Justin Klure, Oregon Wave Energy Trust
- 9:30 a.m. **The Ocean and Ecological Setting: The Oregon Shelf/California Current System**
Jack Barth, Oregon State University (Physical Setting)
Bill Peterson, NMFS Northwest Fisheries Science Center (Ecological Setting)
- 10:00 a.m. **The Technology: Wave Energy Development on the West Coast**
Mirko Previsic, Technology Lead, EPRI Ocean Energy Programs
- 10:30 a.m. **Environmental Risk Analysis and Wave Energy: Examples of how to assess potential impacts of wave energy on the environment**
Fred Piltz, Minerals Management Service
- 11:15 a.m. **Box Lunch – for invited participants (HMSC Housing, Dining Hall)**

Afternoon Session: Guin Library Seminar Room (invited participants only)

- 1:00 p.m. **Instructions and Question Review for Breakout Groups #1**
John Meyer, Communication Partnership for Science and the Sea (COMPASS)

Receptor Groups

1. Physical environment (i.e., waves, currents, sediment)
2. Pelagic habitat
3. Benthic habitat
4. Fish effects
5. Sea Birds
6. Mammals

- 3:00 p.m. Break

- 3:30 p.m. **Breakout Groups #1: Receptors (continued)**
- 5:00 p.m. Adjourn
- 6:00 pm – 8:00 pm Social Hour, Dinner and Keynote Address, Oregon Coast Aquarium
Keynote Speaker: *Professor Richard Hildreth, Director, University of Oregon Ocean and Coastal Law Center. “Ocean Zoning: Implications for Wave Energy Development”*

Day Two

- 8:00 a.m. **Recap from Day One**
Cathy Tortorici, National Marine Fisheries Service
- 8:30 a.m. **Instructions and Questions for Breakout Groups #2**
Robin Hartmann, Oregon Shores Conservation Coalition
- Stressor Groups**
1. Energy absorbing structures
 2. Chemical effects (e.g., anti-fouling coatings, other toxic effects)
 3. New hard structures/Lighting
 4. Acoustics
 5. Electromagnetic effects
 6. System view/cumulative effects
- 10:30 a.m. **Break**
- 11:00 a.m. **Report Out from Stressor Breakout Groupings**
John Meyer, Communication Partnership for Science and the Sea (COMPASS)
- 11:30 p.m. **Integration/Synthesis Session**
Cathy Tortorici, National Marine Fisheries Service
- 12:15 p.m. **Wrap-up and Next Steps**
George Boehlert, Hatfield Marine Science Center, OSU
- 12:30 p.m. **Adjourn**