

# ALTERNATIVE BALLAST WATER EXCHANGE AREAS

## Workshop on Physical and Biological Oceanographic Considerations

June 20-22, 2006

## AGENDA



Grand Hyatt Hotel

721 Pine Street  
Seattle, Washington  
206-774-1234

**Tuesday, June 20, 2006**  
**Eliza Anderson Amphitheater**

7:30 am	COFFEE
---------	--------

8:30 am	Welcome	Randy Fisher, Pacific States Marine Fisheries Commission
8:45 am	Workshop Goals and Objectives	Stephen Phillips, Pacific States Marine Fisheries Commission
9:00 am	Alternative Exchange Areas: Concepts, Federal, International Legislation, Regulation And Policy	Rich Everett, U.S. Coast Guard, Washington D.C.
9:30 am	Ship-Mediated Invasions and Geographic Spread along the West Coast	Greg Ruiz, Smithsonian Environmental Research Center, Edgewater, MD

### EAST COAST, WEST COAST, CANADA, CONSIDERATIONS OF ABWEA

10:00 am	Ballast water exchange: Exploring the Feasibility AEZ's in the North Atlantic	Judith Pederson, MIT Sea Grant College Program, Cambridge MA
10:30 am	BREAK	
10:40 am	Ballast Water and Shipping in Puget Sound, Considerations for Siting of Alternative Ballast Water Exchange Zones	Kevin Anderson, Puget Sound Action Team, Olympia, WA
11:00 am	2003 West Coast Coastal Exchange Workshop Summary	Karen McDowell, San Francisco Estuary Project, Oakland, CA
11:20 am	State of Washington – ABWEA Perspectives	Scott Smith, Washington Department of Fish and Wildlife

11:40 am	State of California – ABWEA Perspectives	Maurya Falkner, California State Lands Commission, Sacramento, California
12:00 pm	LUNCH (on your own)	

1:15 pm	Ecological and Oceanographic Criteria for Alternate Ballast Water Exchange Zones in the Pacific Region	Robin Brown, Department of Fisheries and Oceans, Sidney, British Columbia
---------	--	---

1:45 pm	DISCUSSION	
---------	------------	--

<b>PHYSICAL OCEANOGRAPHY</b>
------------------------------

2:10 pm	Ocean Circulation Along the US West Coast: Big, Little and In-Between	R. Kipp Shearman and Jack Barth, Oregon State University, Corvallis, Oregon
2:40 pm	Deep-Sea Exchange Processes and Seafloor Mapping	Michael Kosro, Oregon State University, Corvallis, Oregon
3:10 pm	BREAK	
3:20 pm	Wind-driven Shelf Dynamics and Their Influences on River Plumes: Implications for Surface Parcel Transport	Ed Dever, Oregon State University, Corvallis, Oregon
3:50 pm	California Current System From a Lagrangian Perspective	Carter Ohlmann, University of California, Santa Barbara

4:20 pm	DISCUSSION	
---------	------------	--

5:00 pm	ADJOURN	
---------	---------	--

5:30 pm – 7:00 pm	RECEPTION (location TBA)	
-------------------	--------------------------	--

**Wednesday, June 21 2006**  
**Eliza Anderson Amphitheater**

8:30 am	ANNOUNCEMENTS	
---------	---------------	--

<b>BIOLOGICAL OCEANOGRAPHY</b>
--------------------------------

8:40 am	Vertical Distribution and Migration of Zooplankton	Steven Bollens, Washington State University, Vancouver, Washington
9:00 am	Coastal Oceanography, Larval Behavior, and the Cross-shelf Transport of Larvae.	Alan Shanks, Oregon Institute of Marine Biology, Charleston, Oregon
9:30 am	Green Crab, ANS Distribution, Ocean dispersal.	Ted Grosholz, University of California, Davis

10:00 am	<b>BREAK</b>
----------	--------------

10:15 am	Inferences for Biological Transport: Results from a West Coast Drift Card Study."	Vanessa Howard, Portland State University, Portland, Oregon
10:45 am	Application of the GNOME Oil Spill Trajectory Model	Glen Watabayashi, NOAA, Seattle, Washington

11:15 pm	<b>DISCUSSION</b>
----------	-------------------

12:00 pm	LUNCH (on your own)	
1:30 pm	Extent of Invasion in PNW Estuaries with No Direct Exposure to Ballast Water	Henry Lee, US EPA, Newport, Oregon

### BALLAST WATER ORGANISMS AND THREATS TO HABITAT AND FISHERIES RESOURCES IN THE EEZ

2:00 pm	Essential Fish Habitat: GIS Mapping	Van Hare, Pacific States Marine Fisheries Commission,
2:30 pm	BREAK	

2:45 pm	Fish Habitat, Sea Mounts	Waldo Wakefield, NMFS, Northwest Fisheries Science Center, Newport, Oregon ( <i>invited</i> )
3:15 pm	Distribution of and Abundance of Pelagic Fish Resources	Robert Emmett, NMFS, Northwest Fisheries Science Center, Newport , Oregon
3:45 pm	<b>DISCUSSION</b>	
4:30 pm	<b>ADJOURN</b>	

**Thursday, June 22, 2006**  
Menzie's Suite, 6th Floor -Grand Hyatt Hotel

8:30 am	<b>ABWEA DISCUSSION AND RECOMMENDATIONS WORKING GROUP</b>
---------	---

12:00 pm	<b>ADJOURN</b>
----------	----------------

