

Coastal Response Research Center Workshop
*“Innovative Coastal Modeling for Decision Support: Integrating Physical,
Biological and Toxicological Models”*

September 26 - 28, 2006
University of New Hampshire
320 Gregg Hall
Durham, NH

Monday, September 25, 2006 Arrival and Check In New England Center

Tuesday, September 26, 2006

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 8:00 am)

8:00 am	Continental Breakfast	<i>Gregg, Room 320</i>
8:30 am	Welcome & Introductions	<i>Coastal Response Research Center Nancy Kinner, Amy Merten</i>
9:00 am	Opening Remarks by Partners	<i>Ken Barton (Director of NOAA/ORR) John Aber (UNH Vice President of Research)</i>
9:15 am	Workshop Structure and Outcomes	<i>Charles Vörösmarty (Facilitator)</i>
9:30 am	Spill Response: Defining the Challenges (NOAA)	<i>Debbie Payton (NOAA)</i>
10:00 am	Break	
10:15 am	Day 1 – The Next Spill and Prediction of Risk: Approaches and Challenges Preparing for the Next Spill	
	Modeling to Assess Risk Aquatic Toxicity in Risk Assessment and Causal Analysis	<i>Wayne Munns (US EPA) John Toll (Toll Environmental)</i>
12:30 pm-2:00 pm	Lunch (on your own) / Shuttle available to hotel	
2:00 pm	Shuttle from Hotel to UNH Browne Center (dress casually & warmly for possible outdoor activities)	<i>The Browne Center</i>
2:30 pm	Group Discussion	<i>Charles Vörösmarty (Facilitator)</i>
2:45 pm – 4:15 pm	<ul style="list-style-type: none">• Small groups will relate morning concepts to spill response. Each group will be asked to address specific questions.	
4:15 pm	Break	

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4:30 – 5:30 pm	Group Reports	<i>Charles Vörösmarty (Facilitator)</i>
5:30 – 6:00 pm	Happy “Half” Hour	
6:00 – 7:00 pm	Evening Dinner	<i>The Browne Center</i>
7:00 pm	<i>Evening (Dessert) Speaker:</i> Integrating Physical, Biological and Toxicological Models: Challenges and Emerging Technologies	
7:30 pm – 8:00 pm	Group Discussion/Questions	
8:00 pm	Shuttle to Hotel	

Wednesday, September 27, 2006

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 8:00 am)

8:00 am	Continental Breakfast (Room 320)	
8:30 am	Recap and Recalibration	<i>Charles Vörösmarty (Facilitator)</i>
8:45 am	Day 2 – Elements in Predicting Environmental Effects Introduction of Topic/Set the Stage	<i>Alan Mearns (NOAA)</i>
9:00 am	<i>Physical:</i> Ocean Surface Mixed Layer	
	<i>Chemical:</i> Modeling Fate and Transport of Contaminants	<i>Joel Baker (UMCES, CBL)</i>
	<i>Biophysical Modeling:</i> Larval Dynamics and Recruitment in Coral Environments	<i>Claire Paris-Limouzy (University of Miami)</i>
	<i>Ecotoxicology</i> – Incorporating Toxicological Endpoints into Modeling Frameworks	<i>Tracy Collier (NOAA, NWFSC)</i>
	<i>Integrating Biology and Toxicity into Physical Models</i>	<i>Christian Sarason (University of Washington)</i>
12:00-2:00pm	Lunch (on your own) / Shuttle available to Hotel	
2:00 pm	Shuttle from Hotel to Seacoast Science Center (dress casually & warmly – at ocean)	<i>The Seacoast Science Center</i>

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2:45 pm	Modeling Dispersion for Decision-makers <ul style="list-style-type: none"> • NOAA SSC and Industry– dispersant scenario 	<i>Charlie Henry (NOAA)</i>
3:15 – 5:15 pm	Integrated Modeling for Spills: Interdisciplinary Mapping of a Situation Space <i>Break into 4 groups to produce wiring diagrams for integrated models</i>	<i>Breakout sessions</i>
5:30 – 6:15 pm	Poster viewing & Discussion	<i>Happy Hour</i>
6:15 pm – 7:00 pm	Evening Dinner (Lobster/Clambake)	<i>The Seacoast Science Center</i>
7:00 pm	<i>Synthesis: Interdisciplinary Mapping of a Situation Space</i>	<i>Charles Vörösmarty(Facilitator) CJ Beegle-Krause (NOAA)</i>
8:30 pm	Shuttle to Hotel	

Thursday, September 28, 2006

Shuttle from Hotel to Gregg Hall (Meet in hotel lobby at 8:00 am)

8:00 am	Continental Breakfast	<i>Gregg, Room 320</i>
8:30 am	Recap and Recalibration	<i>Charles Vörösmarty (Facilitator)</i>
8:40 am	Toxicological Modeling <ul style="list-style-type: none"> • Impacts of Low Levels of Residual Oils on Toxicity Assessment of Oil Spills: Equilibrium Approach • Survival Time Models Quantitatively Predict Lethal Effects to Grass Shrimp: Pulsed and Different Duration Exposures to Single PAH and PAH Mixtures from Spilt Oil: Toxicokinetic Approach 	<i>Joy McGrath (HydroQual, Inc) Michael Unger (VIMS)</i>
10:00 am	Break	
10:10 am	Defining Time and Length Scales and Data Needs for Integrated Models Discussion Groups	<i>CJ Beegle-Krause(NOAA) Venkatramani Balaji (ESMF)</i>
12:00 pm-1:00 pm	Buffet lunch	<i>Gregg, Room 320</i>

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1:00 – 3:00 pm	Group Consensus on Key Findings Revisit Goals and Outcomes Follow-up activities/action items/synthesis	<i>Charles Vörösmarty (Facilitator)</i>
	Closing Remarks	<i>CRRC and NOAA</i>
3:00 pm	Depart	
3:30 – 5:00 pm	NOAA OR&R Meeting	<i>Gregg Hall, Room 320</i>