

**2012 Regional Sediment Management
and
Engineering With Nature Workshop
28-30 August 2012**

**USACE Portland District
333 SW 1st Ave # 200, Portland, OR 97204**

Tuesday, 28 August

0730-0830	NWP Security Screening	
0830-0845	Welcome: Navigation Program Manager, NWD	Eric Braun
0845-0915	HQ Perspective: RSM & EWN Future Directions (O&M Navigation)	Jim Walker
0915-0945	National RSM Program Update and Future Direction	Linda Lillycrop
0945-1015	An Introduction to Engineering With Nature	Todd Bridges

Engineering With Nature

1015-1045	Summary of Prior Work and Relevant Results of EWN	Tom Fredette
1045-1100	Geospatial Data Viewer of EWN Sites	Cynthia Banks
1100-1120	Break	
1120-1140	Cleveland East Arrowhead Breakwater Demonstration	Burton Suedel
1140-1200	Environmental River Engineering: An Overview of EWN Structures	Rob Davinroy
1200-1330	Lunch	
1330-1350	Deer Island Restoration Present and Future: An Example of EWN/RSM Combining Ecosystem Restoration, Hurricane and Storm Damage Risk Reduction and Beneficial Use of Dredged Material	Larry Parson
1350-1410	Breakwaters for the Creation of Submerged Aquatic Vegetation	Eva Marie Koch
1410-1430	Beneficial Use of Dredged Material in the Galveston District	Tricia Campbell
1430-1450	Simple Method using Existing Data to Assess Species Response to Ecologically-based Design	Andy Goodwin
1450-1510	Break	
1510-1700	Breakout Session Topics:	

What are the biggest opportunities for advancing RSM and EWN within USACE missions?

- 1. Navigation*
- 2. Flood and Coastal Storm Damage Reduction*
- 3. Environment*
- 4. Hydropower*
- 5. Regulatory*
- 6. Recreation*
- 7. Emergency Management*
- 8. Water Supply*
- 9. Support for Others*
- 10. Military Programs*
- 11.*

What actions can O&M PDTs take to incorporate RSM and EWN approaches within their projects?

1700-1730 Report Out from Breakout Sessions/Wrap Up
1730 Adjourn

Wednesday, 29 August

0830-0845	Recap Aug 28 Discussions, Review Agenda	Todd Bridges Linda Lillycrop
0845-0915	Integration of RSM and EWN with the Beneficial Use of Dredged Sediments	John Childs

RSM In-Progress-Review

RSM and EWN Ongoing Collaboration

Linda Lillycrop: Moderator

0915-0930	NWP: MCR Nearshore Placement/Adaptive Management	Ott/Norton
0930-0945	SAM: Mobile Bay RSM Disposal Strategy	Parson/Lovelace
0945-1000	NWO: Missouri River Flood Recovery and RSM	Dan Pridal
1000-1015	SPL: Southern California RSM Activities	Susie Ming

1015-1030 Break

RSM and EWN Project Applications of Technology and Tools

Jason Engle: Moderator

1030-1045	POH: Hawaii RSM	Conant/Smith
1045-1100	SAJ: St John's, Duval, Nassau Counties RSM	Matt Schrader
1100-1115	NWP: Lower Columbia River ADH modeling	Norton/Moritz
1115-1130	NWK: Integrate BSTEM into HEC-RAS	John Shelley

R&D Technology and Tools

Tom Smith: Moderator

1130-1200	Nearshore Berms	Tanya Beck
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1200-1330 Lunch

1330-1355	Dredge Material Disposal Management (D2M2) Model and Sustainable Sediment Management	Matthew Bates
1355-1420	Sediment Transport Modeling Tools	Joe Gailani
1420-1445	JALBTCX Capabilities for RSM and EWN	J. Wozencraft
1445-1510	CE-Dredge Portal and Dredging Histories	Clint Padgett

1510-1530 Break

1530-1700 Breakout Session Topic:

What gaps in science, technology, engineering, or organizational practice should be addressed to advance RSM and EWN across Corps mission areas? Navigation O&M Program in particular?

1700-1730 Report Out from Breakout Sessions/Wrap Up
1730 Adjourn

Thursday, 30 August

0830-0845 Recap Aug 29 Discussions, Review Agenda

Todd Bridges
Linda Lillycrop

RSM In-Progress-Review

Matt Schrader: Moderator

0845-0905 LRC: Calumet Harbor Sediment Transport Analysis
LRC: Lower Lake Michigan Sediment Budget
0905-0925 SAC: Folly Beach GIS
SAC: Charleston Harbor Sediment Budget
0925-0945 SWG: Matagorda Ship Channel
SWG: Upper Texas Coast Sediment Budget
0945-0955 LRB: Lake Erie Sediment Budget
0955-1005 LRE: St Joseph Feeder Berm
1005-1015 NAB: Assateague Bypass

David Bucaro
David Bucaro
Phil Wolf
Phil Wolf
Campbell/Lambert
Campbell/Lambert
Cross/Mohr
Greg Mausolf
Michelle Gomez

1015-1030 Break

Monica Chasten: Moderator

1030-1040 NAE: Saco Bay
1040-1050 NAN: NY RSM
1050-1100 NAP: NAP Major Navigation Projects
1100-1110 NAD/SAD: RSM Shallow Draft Dredges Initiatives
1110-1120 MVR: Sedimentation Impacts Sangamon/Illinois Rivers
1120-1130 MVN: Louisiana Coastal Sediment Budget
1130-1140 SAJ: Sarasota and Tampa Bay RSM
1140-1150 SAW: Navigation Corridor at Morehead City Harbor
1150-1200 Discussion

John Winkelman
Ashton/Couch
Monica Chasten
Monica Chasten
Bruns/Bishop
Cherie Price
Jason Engle
Kevin Conner

1200-1330 Lunch

1330-1515 Breakout Session Topic:

How should we be communicating and collaborating with others on RSM and EWN opportunities?

1515-1530 Break

1530-1600 Report Out from Breakout Sessions

1600-1730 Discussion - moving forward RSM and EWN/Wrap Up

1730 Adjourn