

**2015 Regional Sediment Management (RSM) & Engineering With Nature (EWN)
In-Progress-Review and Working Meeting, 18-20 August 2015**

**US Army Engineer Research and Development Center
Environmental Laboratory Conference Room
3909 Halls Ferry Road, Vicksburg, MS 39180**

Tuesday, 18 August

0800-0830	Registration, Lunch orders, Posters, Coffee, and Seating	
0830-0840	Welcome: Director, Environmental Laboratory	Beth Fleming
0840-0900	Introductions, Agenda, Logistics	Lillycrop/Banks
0900-0930	Regional Sediment Management Update	Linda Lillycrop
0930-1000	Engineering With Nature Update	Todd Bridges
1000-1015	Break	
1015-1045	EWN Proving Ground Update - Galveston District	Rob Thomas
1045-1115	EWN Proving Ground Update - Buffalo District	David Romano
1115-1145	RSM National Center Update	Schrader/Engle
1145-1200	Discussion	
1200-1300	Lunch Brought In - Goldies BBQ, \$12	

In Progress Review

1300-1310	NWP: Lower Columbia River RSM Strategy	Jarod Norton
1310-1320	NAO: James River Federal Navigation Channel, Lower Reaches	Doug Stamper
1320-1330	SAM: BU to Fill Oyster Dredge Holes in Mobile Bay	Parson/Lovelace/Godsey
1330-1340	NWS: Ediz Hook Post-Dam Removal Shoreline Change Analysis	Dave Michalsen
1340-1350	NWO: Monitoring Spencer Dam Flushing to Reduce Uncertainty in HEC-RAS Reservoir Flushing Modeling	Paul Boyd
1350-1400	MVR: Sedimentation Impacts Sangamon and Illinois Rivers	Nicole Manasco
1400-1410	SPA: Post-Wildfire Sedimentation Impacts to Cochiti Lake FRM	Steve Brown
1410-1420	NWK: Environmental Benefits of Turbidity & Maintaining Depths	John Shelley
1420-1430	SAM/SAJ: Eval FL Turbidity Compliance Issues w/Nav Projects	Parson/Rayaprolu
1430-1440	POH: West Maui Investigations of Inland Sediment Input to Nearshore	Tom Smith
1440-1500	Discussion	
1500-1515	Break	

Group Discussion

1515-1600	Connecting inland sediment management to coastal: Can inland efforts help reduce coastal sediment management costs by increasing/decreasing sediment delivery?	Paul Boyd
1600-1645	How do we manage opposing sediment management objectives/issues across a region/system?	Eric Summa
1645-1700	Discussion	
1700	Adjourn	

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Wednesday, 19 August

0800-0830 Coffee
0830-0835 Review Agenda/Overnight Thoughts Lillycrop/Bridges

In Progress Review

0835-0845 Sediment Retention Engineering to Facilitate Wetland Development (San Francisco Bay, CA) Elizabeth Murray
0845-0855 Realizing a Triple Win in the Desert: Systems-level EWN on the Rio Grande (Albuquerque, NM) Kelly Burks-Copes
0855-0905 Atchafalaya River Island and Wetlands Creation Through Strategic Sediment Placement (Morgan City, LA) Burton Suedel
0905-0915 Portfolio Framework to Quantify Beneficial Use of Dredged Material (New Orleans and New England) Christy Foran
0915-0925 Engineering Tern Habitat into the Ashtabula, OH Breakwater Burton Suedel
0925-0935 Living Shoreline Creation Through Beneficial Use of Dredged Material (Duluth, MN) Joe Kreitingner
0935-0945 Guidelines for Planning, Design, Placement and Maintenance of Large Wood in Rivers: Restoring Process and Function Jock Conyngham
0945-0955 The Use and Value of Levee Setbacks in Support of Flood Risk Management, Navigation and Environmental Services David Smith
0955-1005 Strategic Placement of Sediment for Engineering & Environmental Benefit (an initial guide to opportunities and practices) Joe Gailani
1005-1015 Discussion

1015-1030 Break

1030-1130 Group Discussion: Eric Summa
What changes in practice (in terms of business process, regulatory, coordination, engineering, etc.) would enable USACE and others to realize:
1) The most time & cost savings in managing sediment? How, why and what could be saved?
2) The most benefits from managing sediment (economic, social, environmental)?
How, why and what benefits could be produced?

1130-1230 **Lunch – Brought In – Deli Sandwiches, \$12**

In-Progress-Review

1230-1240 SAJ: Puerto Rico RSM Matt Schrader
1240-1250 POH: Hawaii RSM – Sunset Beach Tom Smith
1250-1300 NAN/POH: Sandy Hook Channel Sediment Management Smith/Cresitello
1300-1310 LRC: Illinois North Shore Regional Sediment Budget David Bucaro
1310-1320 LRB: Lake Erie Sediment Budget Weston Cross
1320-1330 NAE: Saco Bay Regional Sediment Budget/RSM Strategy Larry Cochieri
1330-1340 SWG: Lower Matagorda Bay Tricia Campbell
1340-1350 NAP: Barnegat Inlet & Bay RSM and EWN Strategies Monica Chasten
1350-1400 NAP: Data Mgmt NAP Major Navigation Projects - SAGA Scott Sanderson
1400-1420 Discussion

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Wednesday, 19 August (Continued)

ERDC Demonstrations

1420-1435	Overview of Demonstrations and Logistics	Linda Lillycrop
	a) Natural Biopolymer for Erosion Control - Levee Stabilization, Bldg 3297	Steve Larson
	b) Update: New Products, Nat'l Coastal Mapping Program, Bldg 3284	Jennifer Wozencraft
		Lauren Dunkin
	c) Sediment Research Laboratory, Building 3284	Paul Schroeder
	d) Cognitive Environmental Effects Research Flume, Building 3284	David Smith
1435-1450	Break and Board Vans: Demonstrations in Group Rotations	
1450-1500	Transport to Demonstration Cycle 1	
1500-1530	Demonstration Cycle 1	
1530-1540	Transport to Demonstration Cycle 2	
1540-1610	Demonstration Cycle 2	
1610-1620	Transport to Demonstration Cycle 3	
1620-1650	Demonstration Cycle 3	
1650-1700	Transport to Demonstration Cycle 4	
1700-1730	Demonstration Cycle 4	
1730-1740	Transport to Coastal and Hydraulics Lab - SHRIMP BOIL - \$30	

Thursday, 20 August

**Concurrent Coastal and Inland Sessions
Environmental Laboratory Conference Room**

Session A: Coastal (See Page 4) Session B: Inland (See Page 5)

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0800-0830	Coffee	
0830-0840	Review Agenda/Overnight Thoughts	Lillycrop/Bridges

Session A: Coastal

Coastal - Strategic Placement

Challenges

0840-0910	Discussion: District Challenges with Nearshore Placement	Jason Engle
0910-0940	Discussion: CAP 204 for Nearshore Placement - HQ Challenge	David Bucaro
0940-1000	SPL/SPN/NWP/NWS: Nearshore Placement Literature Review	David Michalsen
1000-1015	Break	

Identifying Opportunities

1015-1030	Regional LIDAR Mapping/Benthic Mapping	Lauren Dunkin
1030-1045	Landscape Metrics Tool	Molly Reif

Evaluating Nearshore Placement

1045-1100	Coastal Modeling System	Katie Brutsche
1100-1115	CSHORE	Brad Johnson
1115-1130	Sediment Mobility Tool	Brian McFall
1130-1145	Sedflume	Joe Gailani
1145-1200	Discussion	

1200-1300 **Lunch – Jambalaya, \$12**

1300-1315	LTFATE	Joe Gailani
1315-1330	Particle Tracking Model	Tahirih Lackey

Implementation/Construction

1330-1345	Authorities	Matt Schrader
1345-1400	Federal Standard	Matt Schrader
1400-1415	Essayons Pump-Out	Tim Welp
1415-1430	Murden and Currituck for Nearshore Placement	Chasten/Engle
1430-1445	Break	

Monitoring Nearshore Placement

1445-1500	Monitoring Vilano Beach Nearshore Placement	Katie Brutsche
1500-1515	CLARIS	Jesse McNinch
1515-1530	RIOS	Jesse McNinch
1530-1545	Discussion: Next Steps for Nearshore Placement	Jason Engle

Regroup Coastal and Inland Participants

1545-1615	Next Steps, Feedback, Final Thoughts	Lillycrop/Bridges
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1615 Adjourn

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Session B: Inland

Inland – RSM Challenges

0840-0900	Overview of Challenges Topics	Paul Boyd
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Working on Regional/Systems Scales

0900-0930	Spatial Extent of Watershed-level Systems	Nicole Manasco
0930-1000	Opposing Sediment Management Objectives/Issues on River Systems	Nicole Manasco

1000-1015 **Break**

Reservoir Regulatory

1015-1030	District Challenges: Regulatory Hurdles to Reservoir Sediment Mgmt	John Shelley
1030-1045	Regulatory Approval for Sediment Discharge From Dams Discuss RGL05-04	Paul Boyd
1045-1100	Fall Creek Reservoir Flushing	Chris Nygaard
1100-1200	Discussion: Laying Groundwork to Make Reservoir Sediment Management Easier	John Shelley

1200-1300 Lunch – Jambalaya, \$12

Tools

1300-1315	Bedload Sampler	Tim Welp
1315-1330	ISSDOTv2 method for measuring bedload transport	Tate McAlpin
1330-1345	Reservoir Sedimentation Database	Deborah Cooper
1345-1400	Sediment-Related Hazards (flows: debris, mudflows, hyperconcentrated)	Ian Floyd
1400-1415	ADCP Data Management	Thad Pratt
1415-1430	Multibeam Data Management	Thad Pratt

1430-1445 **Break**

1445-1530	XS Viewer Training	John Shelley
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1530-1545	Discussion: Next Steps	Nicole Manasco
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Regroup Coastal and Inland Participants

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1615 Adjourn