

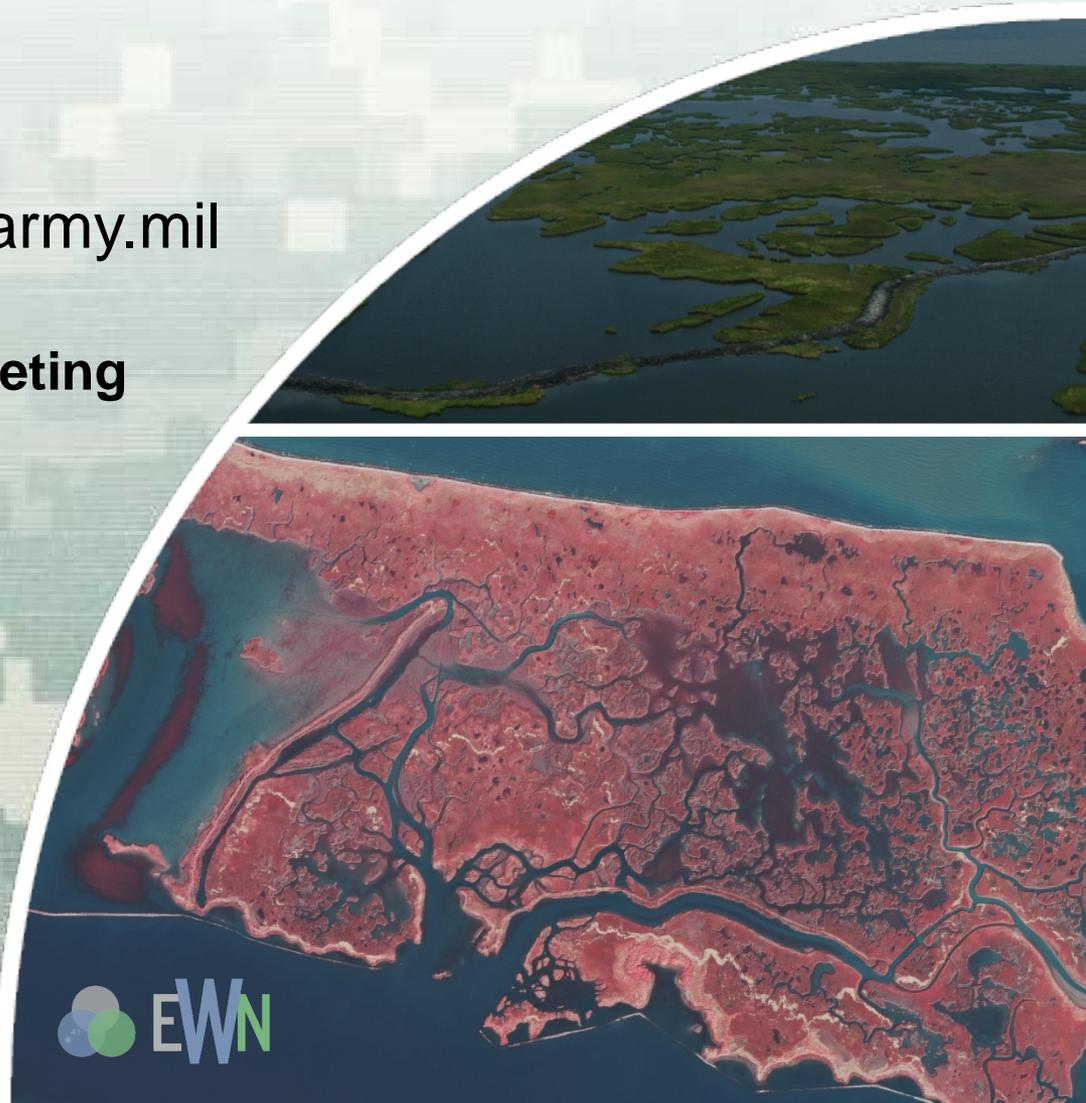
21st Avenue West Living Shoreline Duluth-Superior Harbor

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RSM-EWN IPRs and Working Meeting
Vicksburg, MS
22-24 July 2014



US Army Corps of Engineers
BUILDING STRONG



EWN FY14 IPR



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■ Problem

- Maximize habitat value while minimizing shallow water DM placement cost
- Support beneficial use of DM for Great Lakes AOC delisting



■ Objective

- ID engineered and natural processes for DM placement that meet habitat restoration goals
- Evaluate construction techniques during pilot demo
- Develop design basis for full scale construction
- Communicate results to diverse Stakeholders

■ Approach

- ID consensus habitat characteristics
- Monitor effectiveness of pilot construction methods
- Model shallow water placement/resuspension



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■ Project Funding by Year

	ERDC	LRE
FY13:	\$125	\$ 90*
FY14:	\$115	\$ 190*
FY15:	\$165	\$ 175*



■ Major Project Deliverables

- FY14 Monitoring/ Sample Plans
Work Scopes : 7/1/14
- PMP & Fact Sheet Update:
7/31/14
- Stakeholder Presentation/
Progress Report : 7/31/14

Project Report/Technical Note:
8/30/14

■ Benefits and Impacts for USACE Civil Works

- Long-term DM BU solution for critical harbor.
- Strategic demo for MN, WI and other GL states
- Development of shallow water construction /modeling techniques



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FY14 Products

1. Agency Collaboration: LRE, USGS, EPA/GLNPO, EPA/ORD, MPCA, MDNR, US F&WS
2. University Collaboration: UM – Duluth
3. Harbor Technical Advisory Committee (HTAC) Workshop
4. ERDC Technical Note
5. Project Fact Sheet Update
6. Project Management Plan Update

