21st Avenue West Living Shoreline
Duluth-Superior Harbor

Joe Kreitinger, PhD
Environmental Toxicologist
Joseph.P.Kreitinger@usace.army.mil

RSM-EWN IPRs and Working Meeting
Vicksburg, MS
22-24 July 2014
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
EWN FY14 IPR

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- Project Funding by Year
  
<table>
<thead>
<tr>
<th>Year</th>
<th>ERDC</th>
<th>LRE</th>
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<tbody>
<tr>
<td>FY13</td>
<td>$125</td>
<td>$90*</td>
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<tr>
<td>FY14</td>
<td>$115</td>
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<tr>
<td>FY15</td>
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- 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

- 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
3. Harbor Technical Advisory Committee (HTAC) Workshop
4. ERDC Technical Note
5. Project Fact Sheet Update
6. Project Management Plan Update