

# Engineering With Nature Proving Ground *Status Report*

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# *Most Significant Contributions*

- Helping to change the way Fed & N-Fed partners perceive USACE across the Great Lakes
- Aligning USACE with GLRI Interagency Partnership future
- Improving communication leading to beneficial use opportunities (e.g. SLRAOC)
- Decreasing uncertainty for phosphorous reduction goals in Western Lake Erie

# *Current Projects*

- Braddock Bay Ecosystem Restoration (USEPA Economy Act)
- Lake Ontario Nature Based Features (SNBW)
- Green Breakwater (GBW) Program (O&M)
- WLEB Phosphorous Optimal Wetlands (varies)
- Thatcher Brook FRM (Section 205)
- Niagara Falls Storage Site Phyto Management (FUSRAP)

# *Challenges*

- Early coordination
  - Port Clinton Jetty (Sandy O&M) lessons learned
- Standardization of practices
  - GBW Tech Transfer
- Funding
  - Funding no longer applies in GLRI Action Plan II

# *FY17 Plans*

- GBW effectiveness assessments for three demonstration projects
- Cat Island DMDF Long Term Vision
- Present NAD Coastal Comprehensive Study to GL States (Coastal Resiliency VS Nature Based Features)
- Western Lake Erie coastal wetlands & potential beneficial use of dredged material

# *Future Opportunities*

- Move from LRB Proving Ground to Great Lakes Proving Ground
- LRD Great Lakes Coastal Resiliency GI Study Initiative (Nature Base Features)
- Formal partnership with USGS & other Fed partners on the Great Lakes
- Adoption of EWN principles in GLRI Action Plan III