Beneficial Use of Dredged Material in Detroit District

Successes, Strategies, and Challenges

December 12, 2018









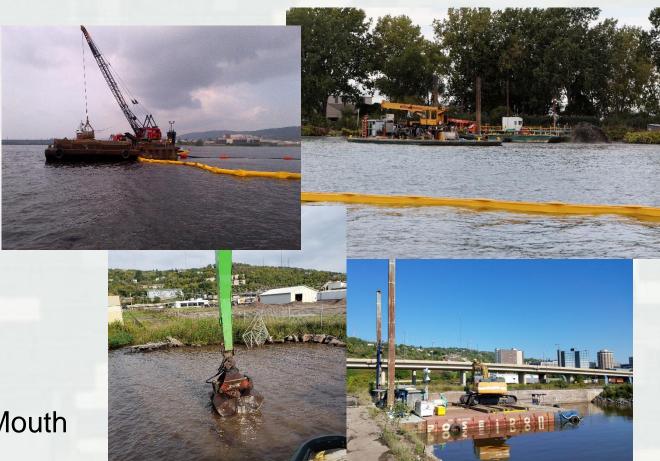
Recent Beneficial Use Success Stories

Minnesota:

- 21st Avenue
- 40th Avenue
- Slip 2
- Slip 3
- Slip C
- MN Slip

Michigan:

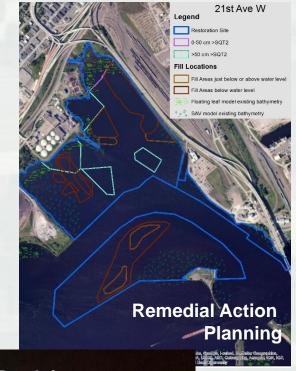
Clinton River Mouth

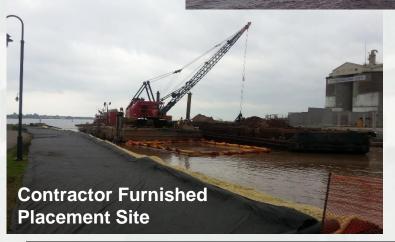


St. Louis River AOC

A number of strategies have been used to accomplish beneficial use habitat and remediation projects:







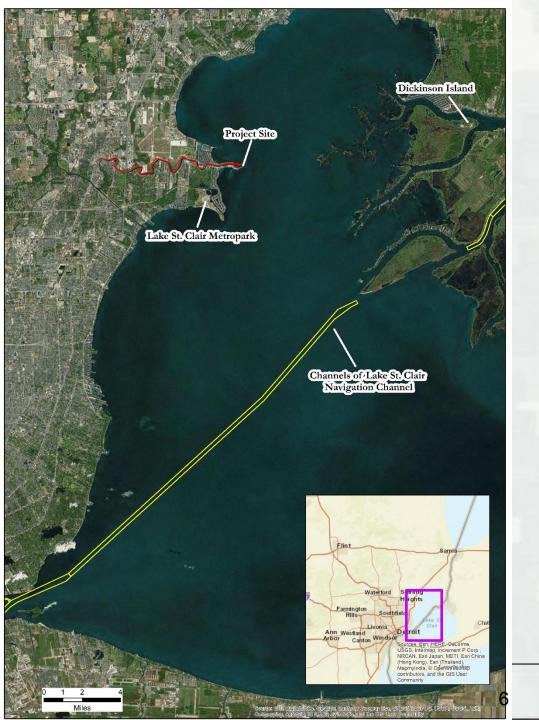


At the end of the 2018 construction season one million cubic yards of dredged material has been beneficially reused in the St. Louis River!

And we're not done yet...

- FY2019 Piping Plover Habitat (WI)
 - Strategic Navigation Dredging
- FY2020 Azcon/DSPA Slip and Northland/AGP Slip (MN)
 - ▶ Strategic Navigation Dredging
- FY2021 Ponds behind Erie Pier (MN)
 - ► TBD (will depend on quantity and nature of material needed)
- Other potential projects: Superior Bay, Interstate Island, MN Point





Clinton River Mouth Wetland Creation Material



In Practice...



Challenges with Beneficial Use

Specific requirements for desired material

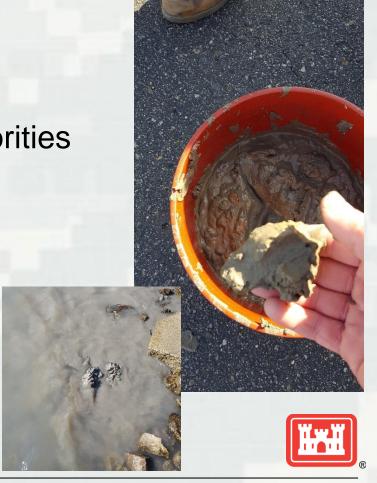
Timing (permits, design, etc.)

Quantity of Material Needed

Limitations of O&M Program

Time Frame for Civil Works Authorities





Getting more Strategic...

To date projects have largely been opportunistic

Keys to Successful Partnerships:

- Stakeholder driven ideas for placement sites
- Plan Ahead
- Have multiple options to increase likelihood of being able to use O&M material
- Work with regulatory agencies early to work through innovative ideas
- Share success stories!

