Facilitating Beneficial Use of Dredged Material in the Great Lakes Region

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Considerations for Beneficial Use of Dredged Material

- Location of Dredged Material
- Nature of Dredged Material
- Blending of Dredged Material
- Marketing of Dredged Material
Duluth-Superior Harbor Dredged Material

- Sand
- Plastic Clay Material
- Very soft clay/silt with organics
Water Management is a Key Component.

Erie Pier Dredged Material Placement and Reuse Facility
Dredged Material is Regulated as a Solid Waste

- Disposal Sites are regulated as solid waste management facilities.
  - Solid Waste Exemption. Wisconsin and Minnesota have exemptions for Dredged Material from the Erie Pier CDF, provided that it meets specifications.
  - Michigan is a case-by-case comparison to background concentrations.
Purple Loosestrife
Lythrum salicaria

- Invasive plant in the Great Lakes region.
- Currently there are about 2,000 purple loosestrife infestations recorded in 77 of Minnesota's 87 counties.
- Minnesota presently has over 58,000 acres infested with purple loosestrife
Debris Removal
Debris Removal

The Dinosaur....
Temporary Storage Site

- Dewatering.
- Treat material (Debris Removal, Blending, Grain Size Separation).
- Test material for Regulatory approval.
- Stockpile material for Marketing.
Identify Markets

- Topsoil (Mineland Reclamation).
- Fill Material (Basement Backfill).
- Brownfields.
- Agriculture.
- Wetlands.
Improving the Product.
Particle Size Separation.
Improving the Product. Composting.
Improving the Product. Solidification Agents.
Questions?

KeeTac Site, Minnesota

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