## <u>Alternatives to open-Lake</u> <u>disposal of dredged sediment</u>



#### David Emerman,

Ohio Lake Erie Commission



## **Ohio's Federal Harbors**



Protection Agency

## Dredging in Ohio





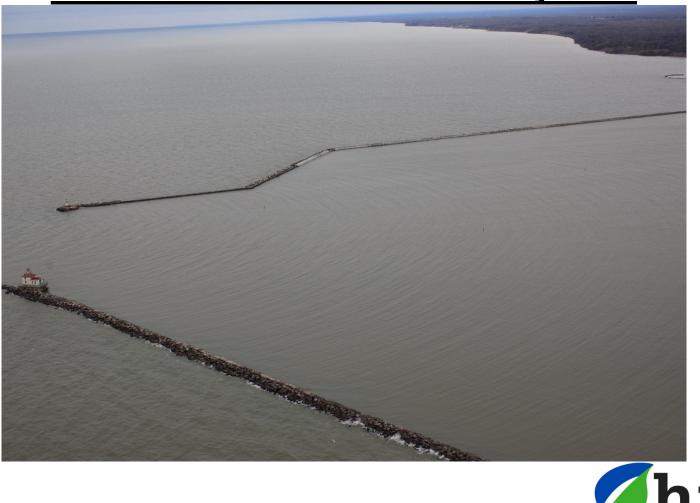


## **Beneficial Use of Dredged Material**





## Alternative to open-Lake disposal: <u>Wetlands Creation Projects</u>

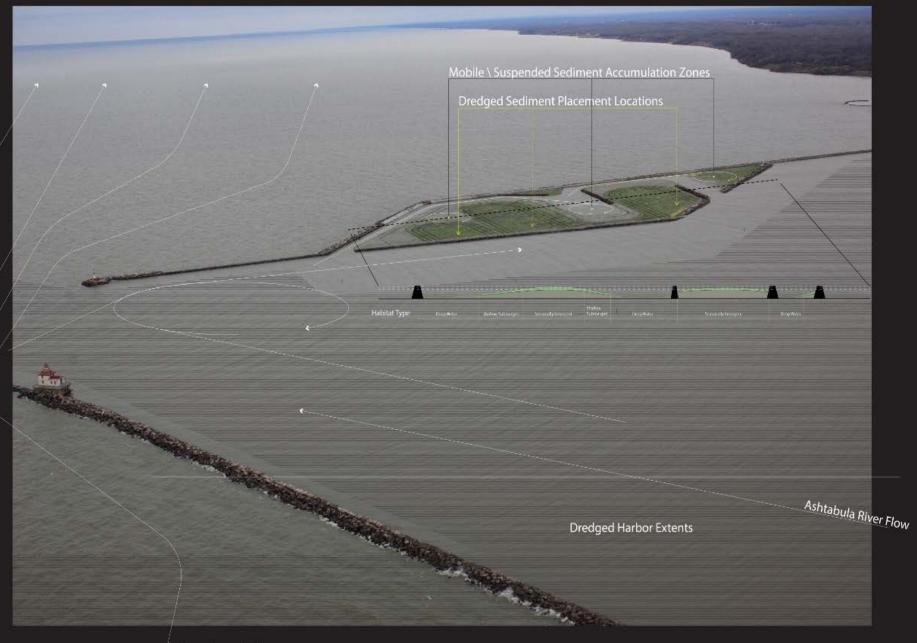


Ohio Environmental Protection Agency

## Alternative to open-Lake disposal: <u>Wetlands Creation Projects</u>



#### HEALTHY PORT FUTURES | ASHTABULA - Dynamic Sediment Management Habitat Wetland Concept | 18 Acres | ≈ 400k cy



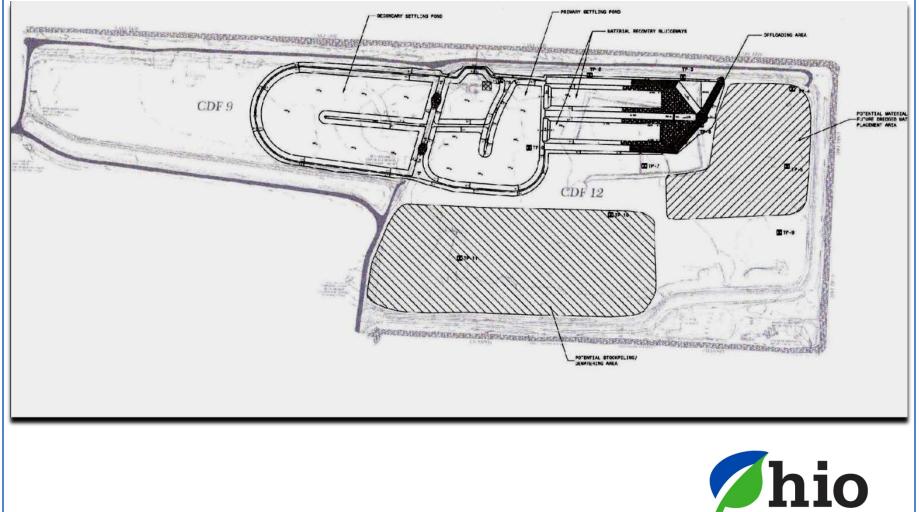
Longshore Drift

## Alternative to open-Lake disposal: <u>Dredge to Marketable Soil</u>





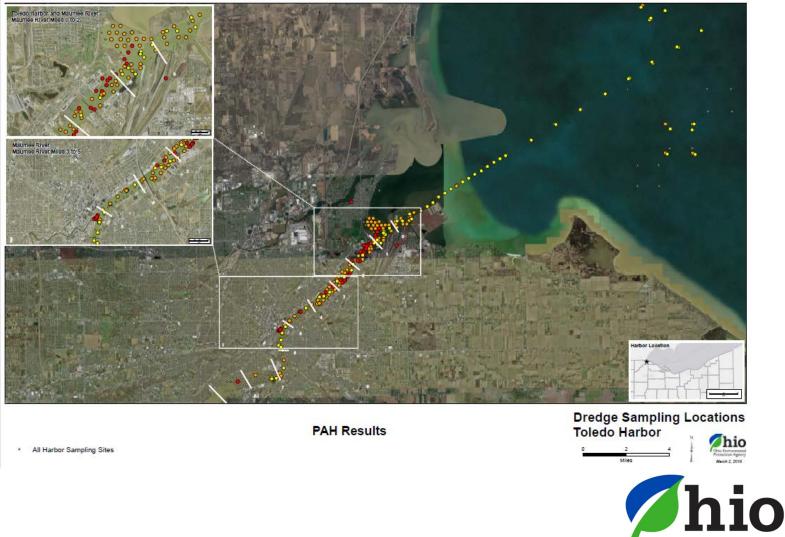
## Delivery, Dewatering, Blending, Distribution



Ohio Environmental Protection Agency



### New Rules: Its just dirt



Ohio Environmental Protection Agency

### New Rules: Its just dirt



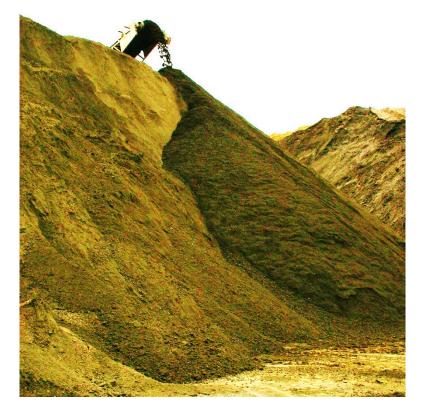
**PAH Results** 

All Harbor Sampling Sites

Conneaut Harbor



#### Marketable Soil



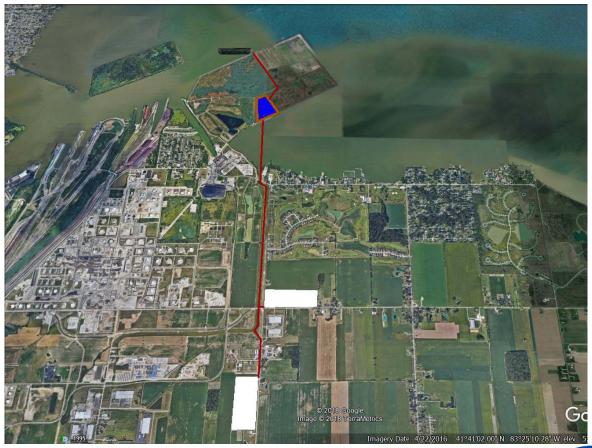


## Alternative to open-Lake disposal: <u>Farm Field Application</u>





## Alternative to open-Lake disposal: Farm Field Application





## Alternative to open-Lake disposal: <u>Farm Field Application</u>

# Dredge Material in Agriculture Solution

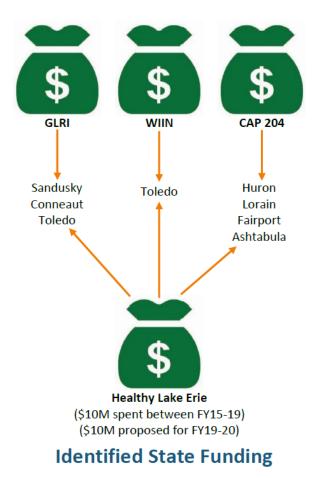


Join the Dredge Research and Innovation in Farming Team



## Funding the Projects

#### **Targeted Federal Funding**









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