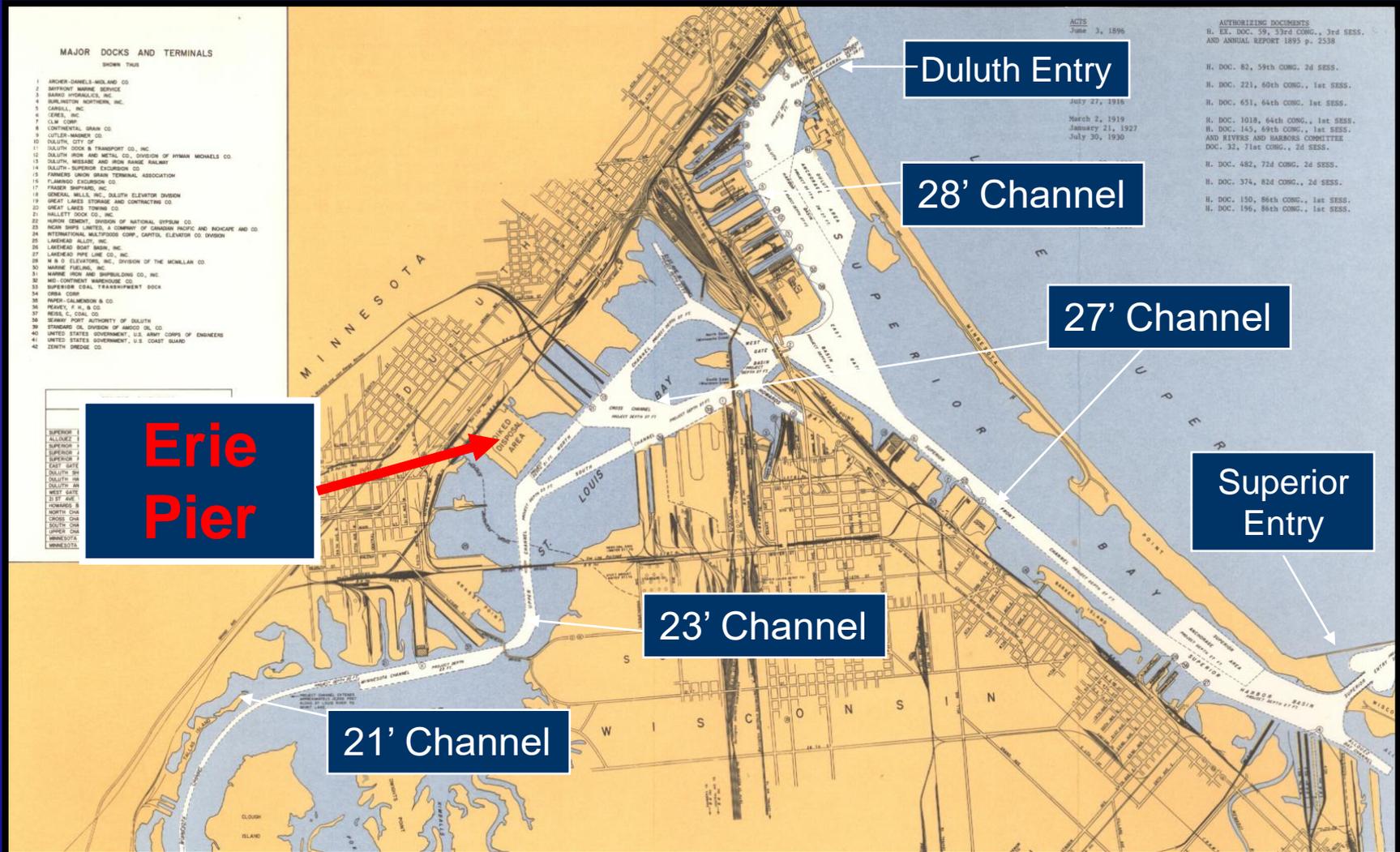




**Erie Pier Management Plan – 2022 Update  
Harbor Technical Advisory Committee  
March 2, 2022**

Jeff Stollenwerk, Duluth Seaway Port Authority

# Duluth-Superior Harbor Dredging



The 18+ miles of federal navigation channel in the harbor require about 110,000 CY of maintenance dredging annually.



- CDFs Authorized - River and Harbor Act of 1970
- 1979 Erie Pier CDF constructed
- City and Port Authority are local sponsors

# Erie Pier



ERIE PIER  
CDF  
Sept 88



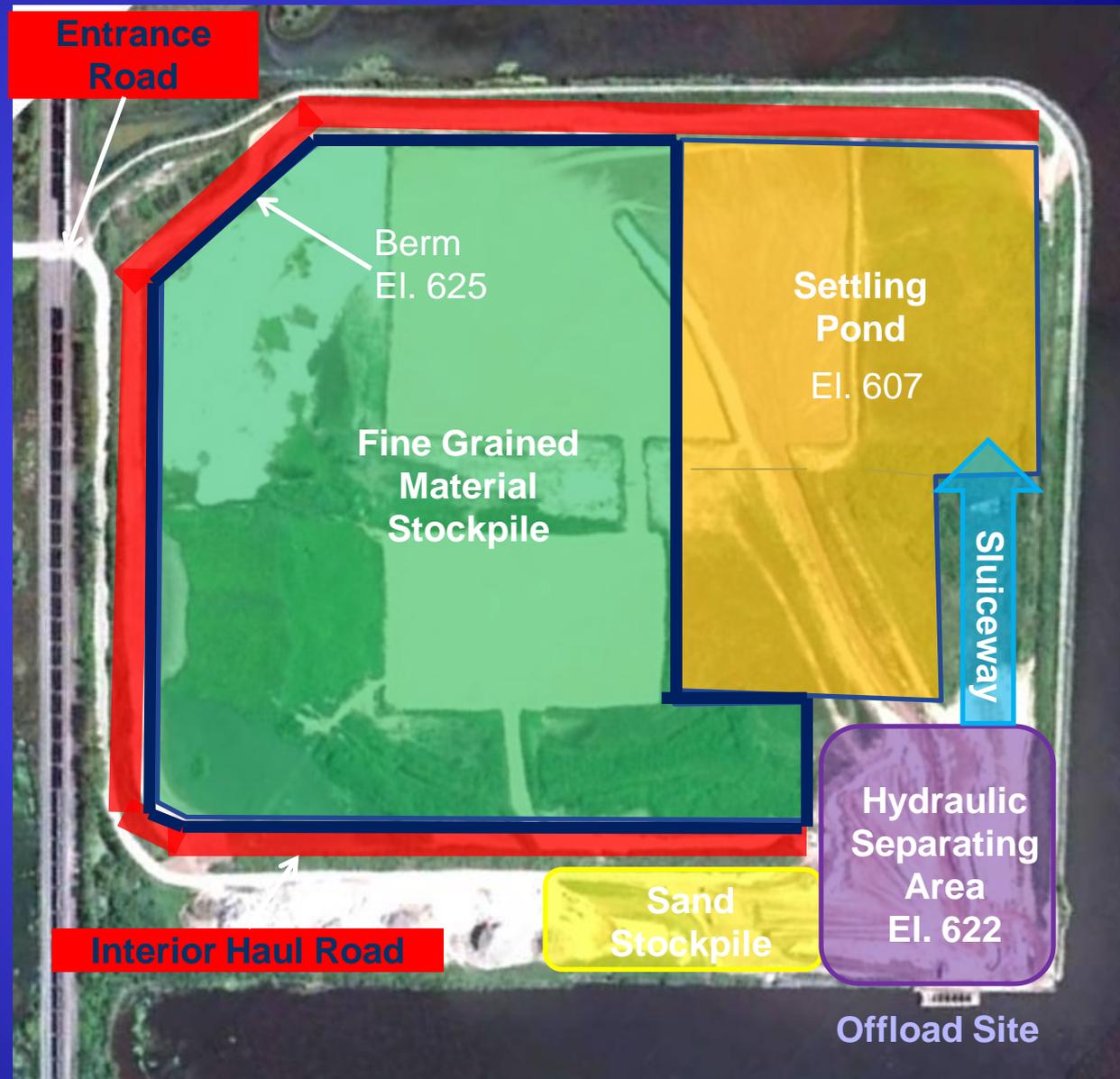
- Constructed single diked disposal facility
- 1.1 Million CY Capacity
- Originally planned for a 10 year life

Erie  
Pier  
(2020)

# Erie Pier Material Management Operations

## Overview of Operations

1. Offload Material
2. Hydraulically Separate Material
  - Sand “falls out” in separating area
  - Water carries fine grained material to settling ponds
3. Create Stockpiles
  - Sand is moved away from separating area and positioned into stockpiles
  - Fine grained material is excavated from ponds and stockpiled.
4. Truck Material Offsite for Beneficial Re-Use



# Erie Pier Management Plan

- State/Local perspective for the federally constructed and operated facility
- Last updated in 2021, the plan builds on the 2007 revision that transitioned the CDF to a Processing and Reuse Facility (PRF)
- “The overarching recommendation is to pursue funding, regulatory controls and public policies that promote environmentally sound beneficial reuse of dredged material from the Erie Pier PRF with the goal of extending the useful life of the facility indefinitely.”

# 2021 EPMP Committee Members

Brett Ballavance, Wenck/Stantec	Anna Hess, MNDNR
Dan Breneman, MPCA	Abbie Lyons, USCG
Steve Brossart, USACE	Nick Patterson, Brennan
Natalie Chin, WI Sea Grant	St Louis River Alliance
Ellen Cooney, WDNR	Jason Serck, City of Superior
Diane Desotelle, City of Duluth	Ted Smith, MarineTech
Patricia Fowler, MNDNR	Jeff Stollenwerk, DSPA
John Downing, MN Sea Grant	Mike Wenholz, MIC

# **Erie Pier Management Plan Recommendations**

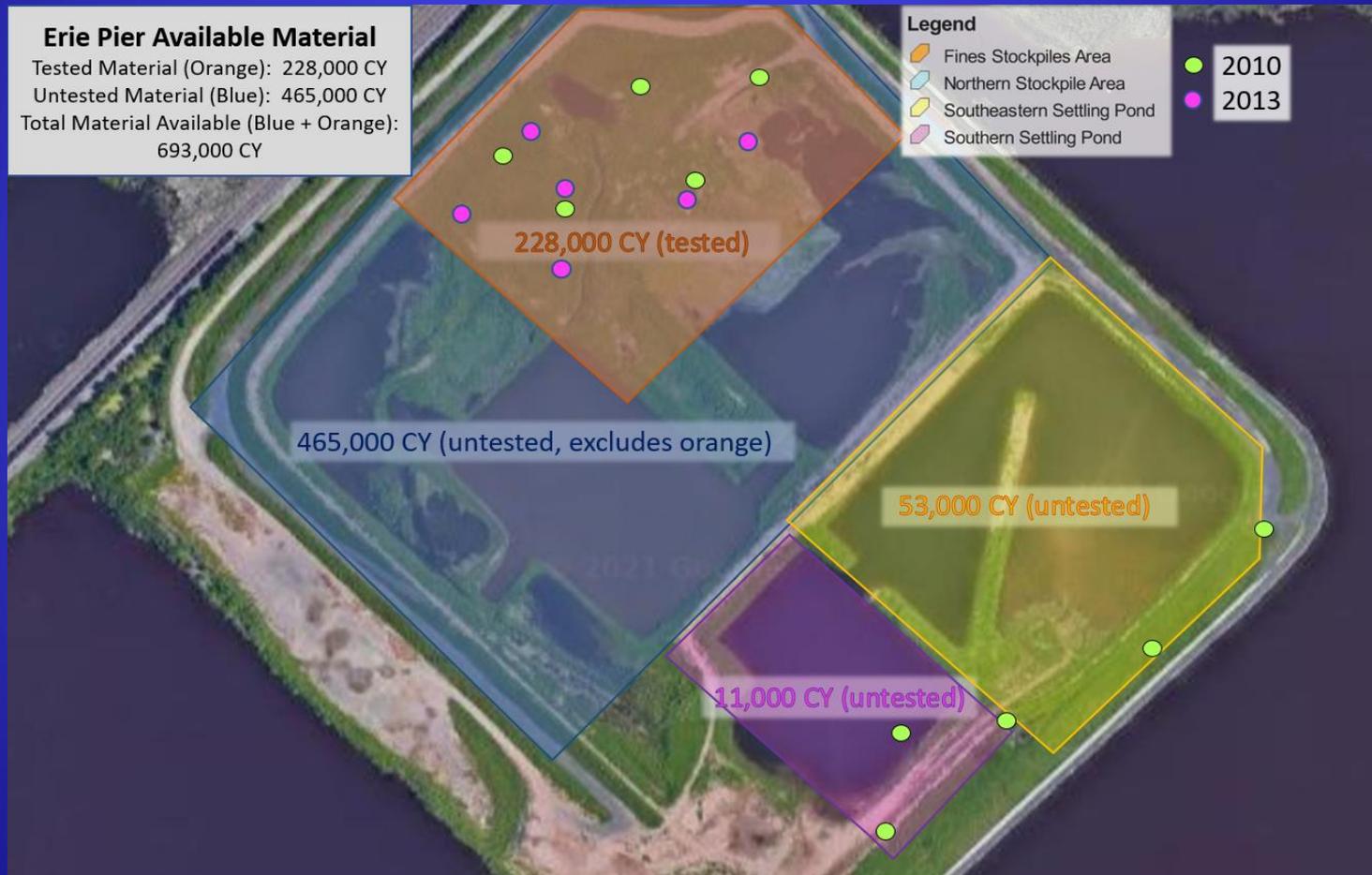
**15 total recommendations**

**Priority next steps:**

- **Update regulatory controls**
- **Data availability**
- **Develop markets for material**

# EPMP Recommendation

## Data Availability



# EPMP Recommendation

## Develop Markets for Beneficial Uses

### Jobs Act - \$5.5M

Facilitate beneficial use of fine material. Possible actions:

- Improve processing for sand recovery
- Stockpiling / dewatering
- Physical and chemical analyses
- Transportation to sites
- Document performance





<https://dsmic.org/study/eriepier2021/>



**Duluth Seaway  
Port Authority**

218.727.8525 | [www.duluthport.com](http://www.duluthport.com)