

**Gene Clark, PE**

Coastal Engineering Specialist



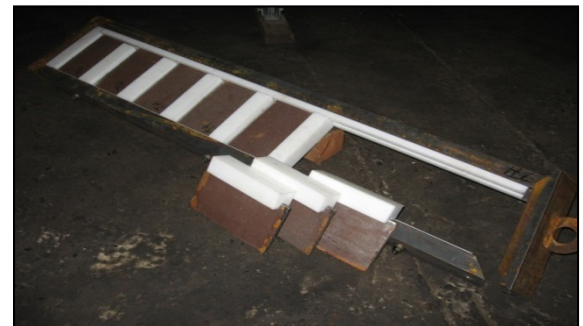
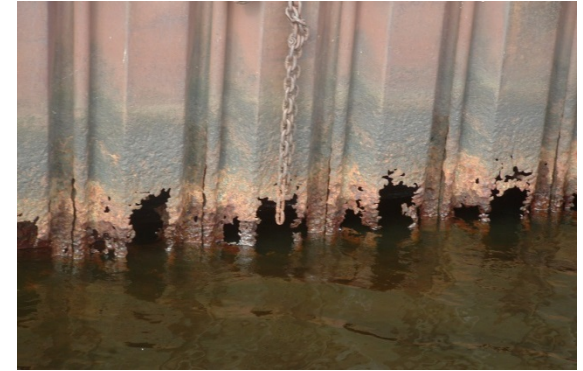
# UW-Sea Grant's Coastal Engineering Research & Extension

Water@UW-Madison Symposium

May 11, 2015

# Ports & Harbors Failing Infrastructure: Freshwater Accelerated Corrosion

1. Problem Observed in 1990's in Port of Duluth/Superior
2. Full Extent & Cause/s Unknown
3. Assembled Team of Experts
4. Guided and Supported Research into Causes and Repair Methods
5. Now Observed in Other Lake Superior Harbors!



# Ports & Harbors Failing Infrastructure: Freshwater Accelerated Corrosion

1. Beginning to Understand MIC as One Mechanism
2. Supporting Research for Repair & Rehabilitation Methods
3. Coatings and Encapsulation Methods Promising
4. Providing Study Results via Papers, Web & Application Extension

