

Great Lakes Navigation System

Buffalo District

Josh Feldmann

U.S. Army Corps of Engineers
Chief , Operations Branch

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US Army Corps of Engineers
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Key FY13 Buffalo District O&M Activities

- Dredging
- Structure repair with government plant at Ashtabula, Cleveland, and Buffalo
- Cleveland Dredged Material Management
- Project condition surveys



FY13 President's Budget Dredging Projects



FY13 Dredging Requirements



Harbors Affected by Hurricane Sandy

- Supplemental bill signed Jan 29th providing Corps with funds to address damages/impacts associated with Hurricane Sandy – will compete with many needs in the northeast
- Sandy related needs identified for Buffalo District projects:
 - Cleveland (structure repair)
 - Lorain (structure and CDF repair)



LRB FY14 Dredging Priorities (Top 7)

1. Cleveland Harbor
2. Toledo Harbor
3. Fairport Harbor
4. Sandusky Harbor
5. Lorain Harbor
6. Buffalo Harbor
7. Huron Harbor



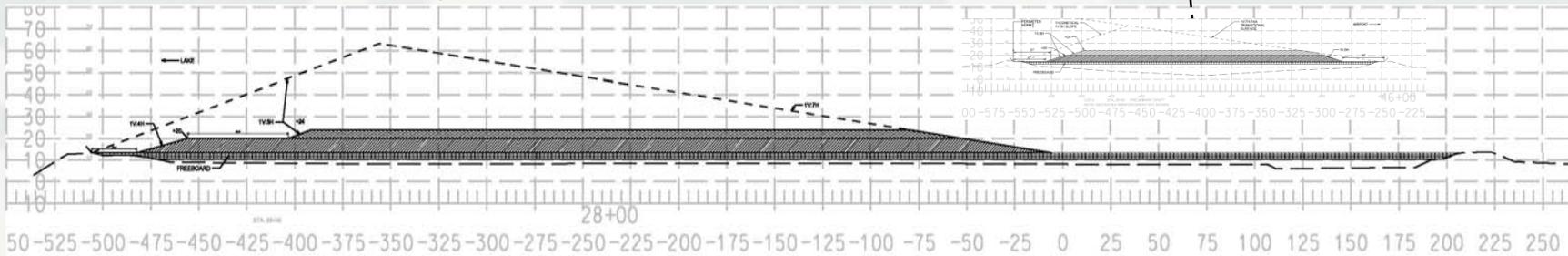
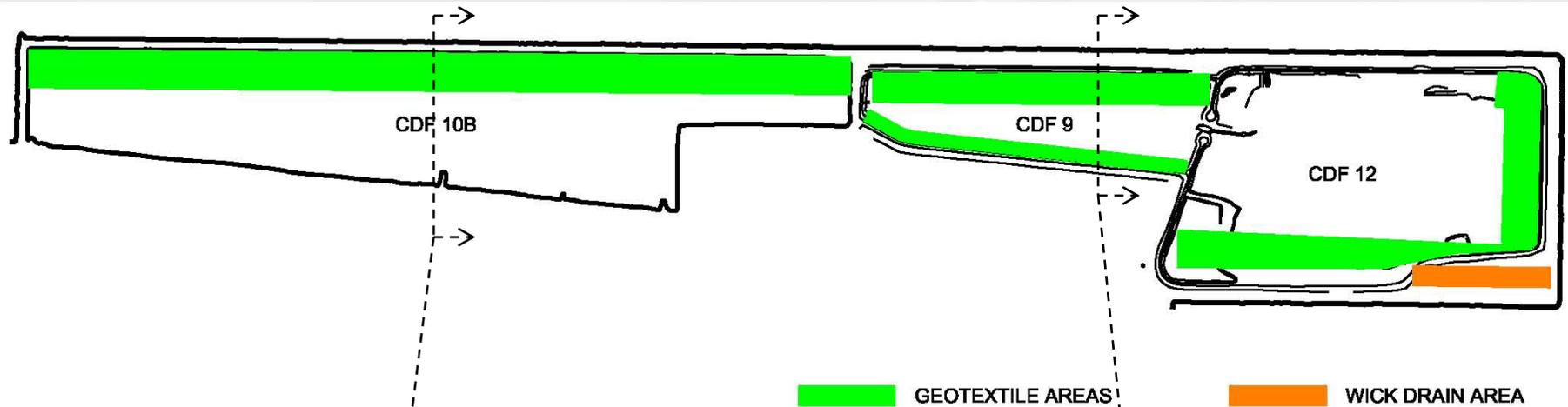
Cleveland Dredged Material Management

- August 1, 2012** **Non-Federal Sponsor's concurrence with Tentatively Selected Plan**
- October 2012** **Completed Agency Technical Review of Draft and Started Division Review**
- Dec. 3, 2012** **Received Letter from Port Authority requesting redirection**
- TBD** **Complete USACE Review and Start Public Review of Draft IDMMP/EA**



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CDF Improvements for Tentatively Selected Plan



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Evaluation of Open Lake Placement Suitability

- Biological testing was completed in late November
- Low levels of contaminants in sediment
- Complex Tiered Evaluation is now underway
- Engaging Ohio EPA on USACE process



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Cleveland Harbor Green Breakwaters/Engineering With Nature Demonstration Project



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Repair Section



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Horizontal Groove Textured Toe Block



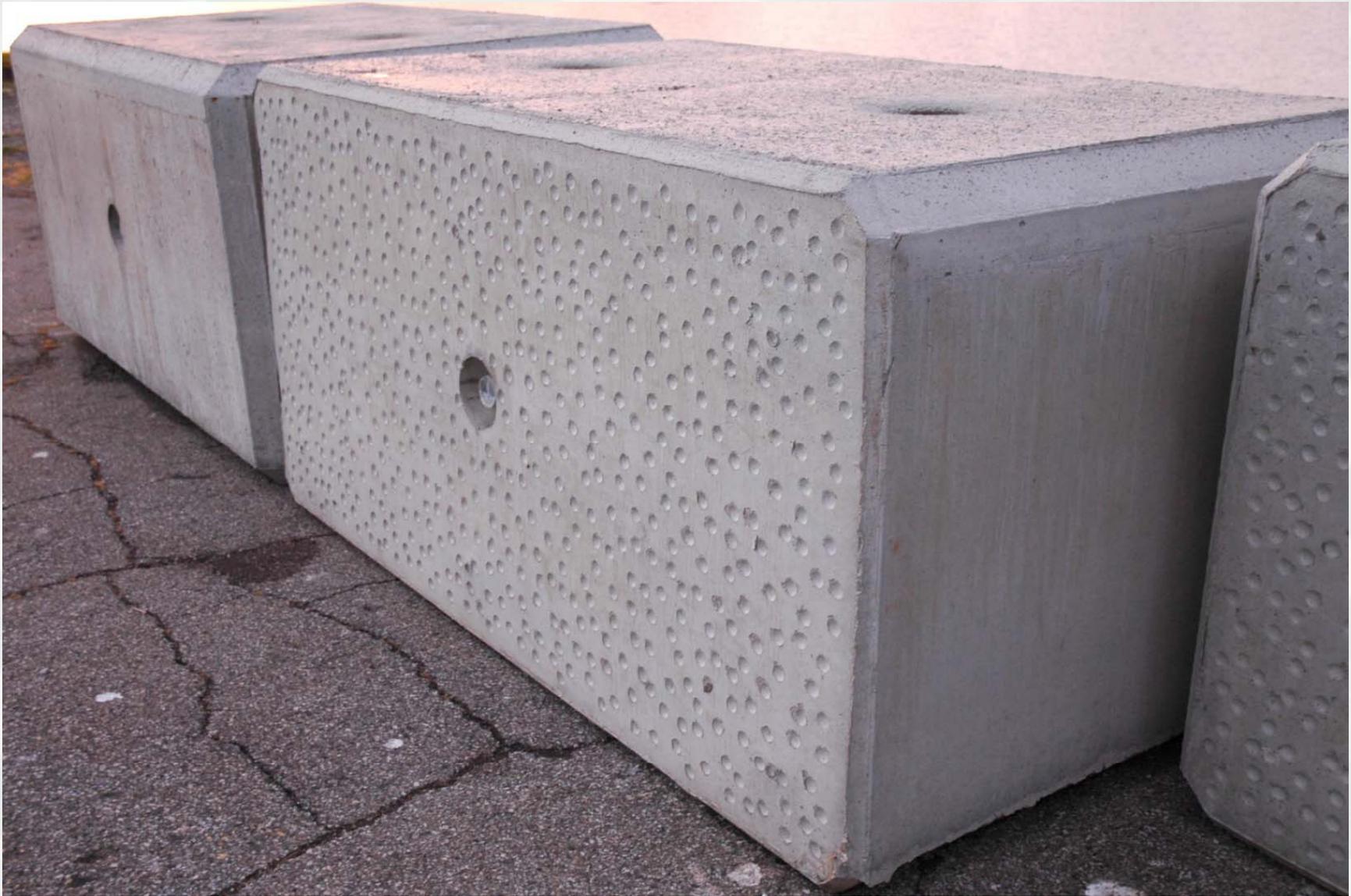
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Fish Habitat Shelf Textured Toe Block



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Dimple Textured and Non-textured Toe Blocks



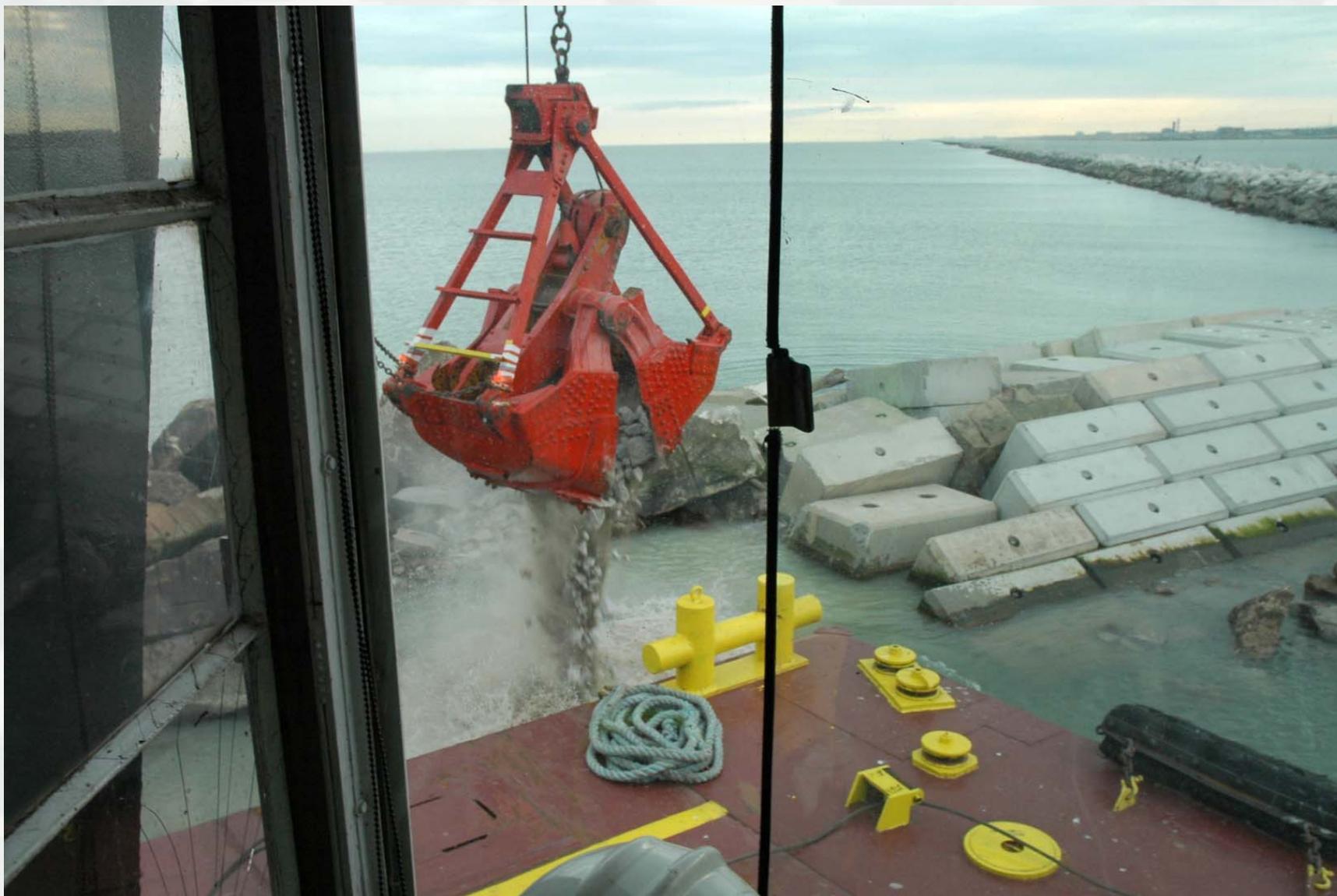
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Beginning of Repair Section



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Placing Aggregate Base Material



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Moving Toe Block into Place



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Positioning Toe Block



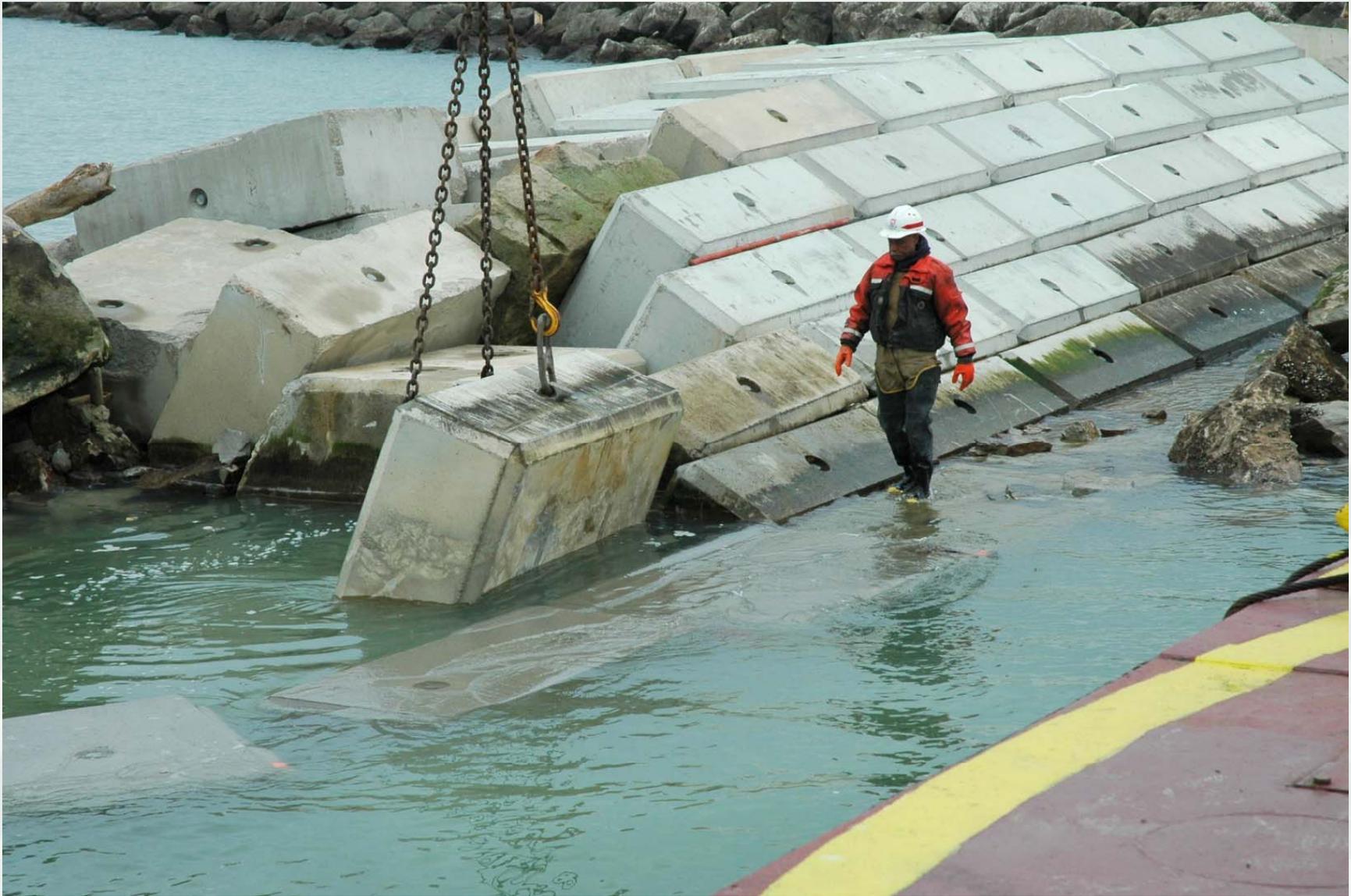
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Placing Fish Shelf Toe Block



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Placing Slope Block



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Installed Toe Blocks



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Completed Repair Section



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