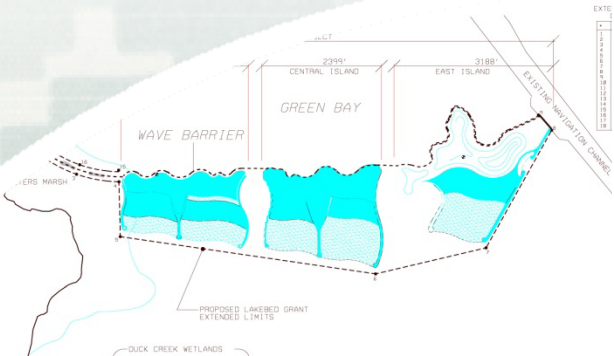


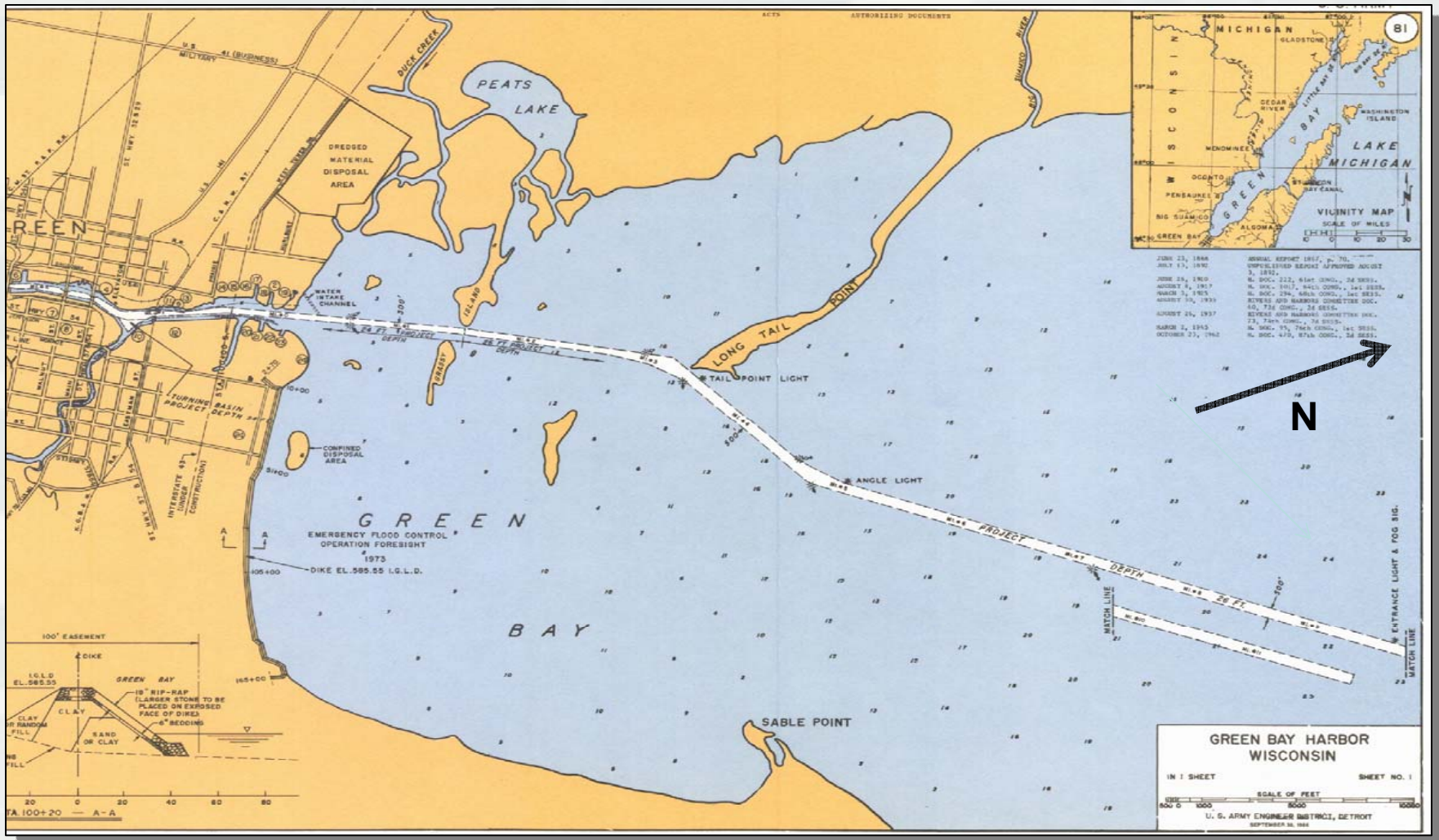
# Green Bay Harbor Cat Island Dredged Material Placement Facility

Detroit District

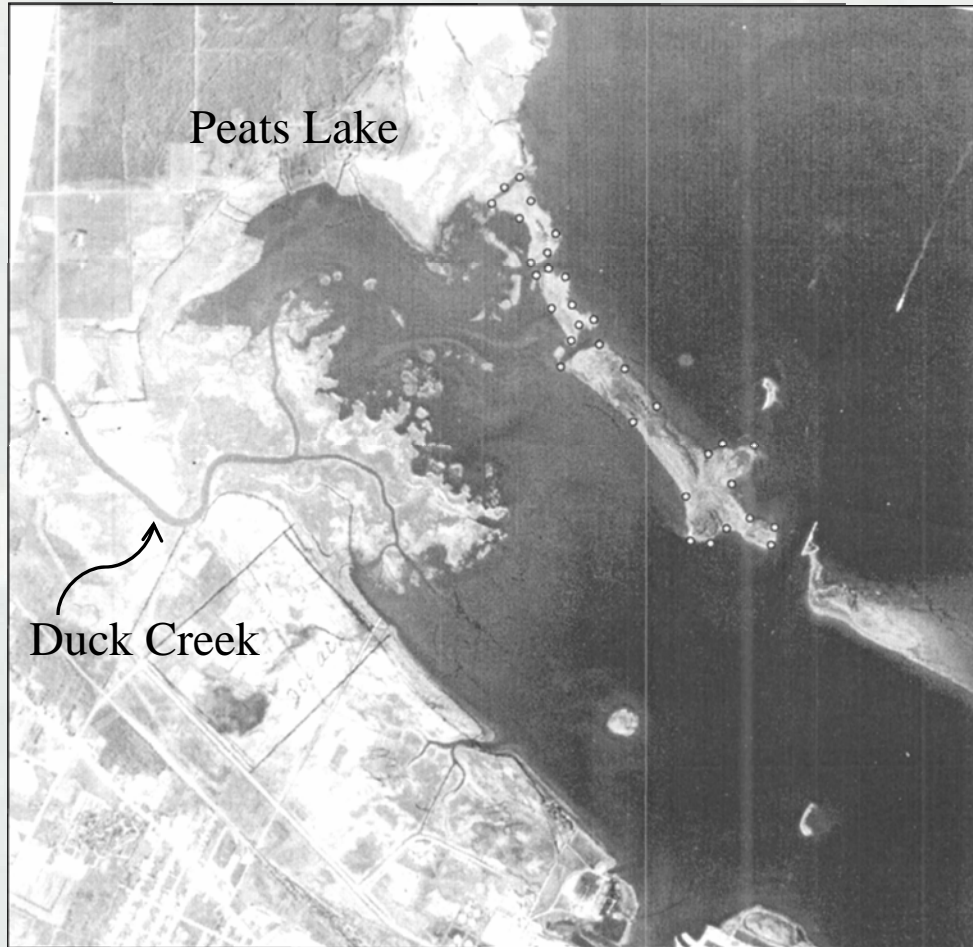


US Army Corps of Engineers  
**BUILDING STRONG**

# Fox River and Green Bay, Wisconsin



# Cat Island Chain - 1965



Fox River Mouth



**BUILDING STRONG**®

# Green Bay



Mud Dump Area  
1969

October, 1999



**BUILDING STRONG**<sup>®</sup>

# Cat Island in Green Bay

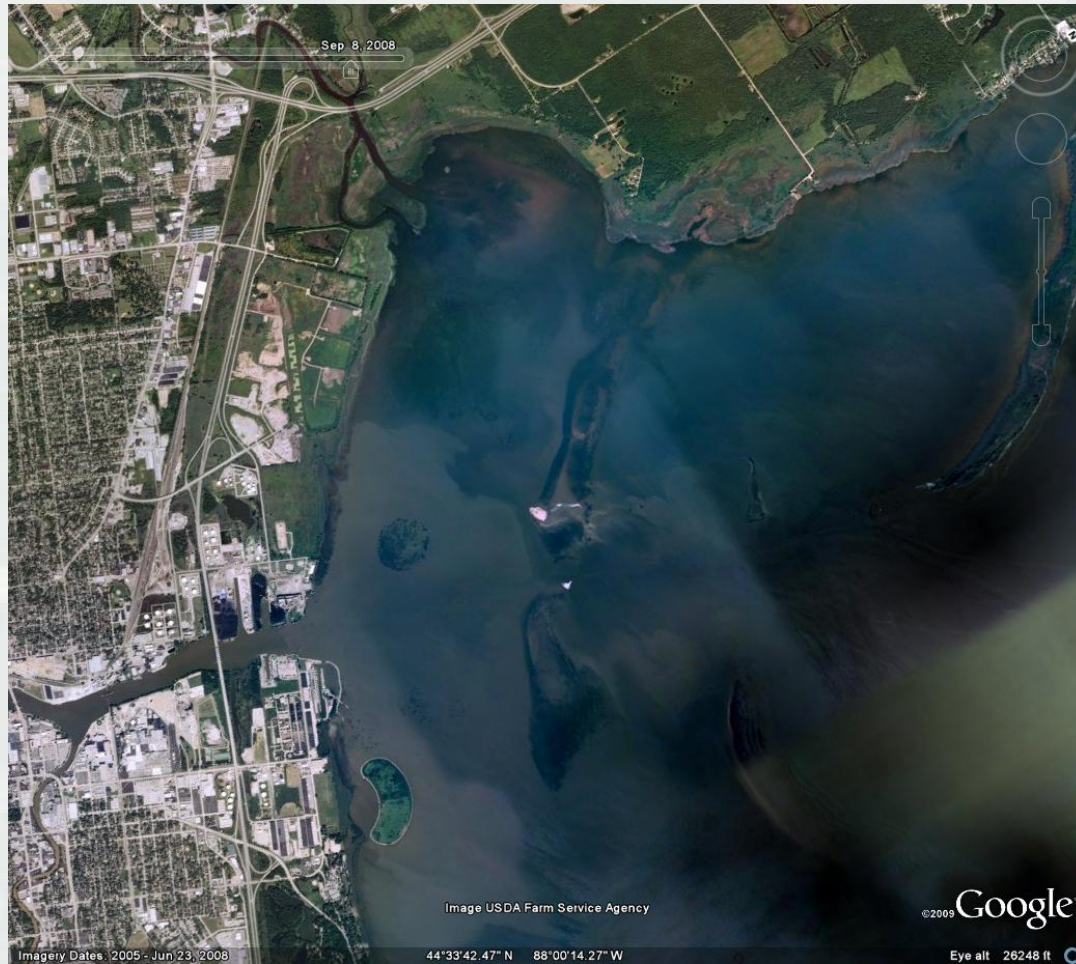


- Double-crested cormorant
- American White Pelican
- Herring Gull
- Ring-billed Gull
- Black-Crowned Night Heron



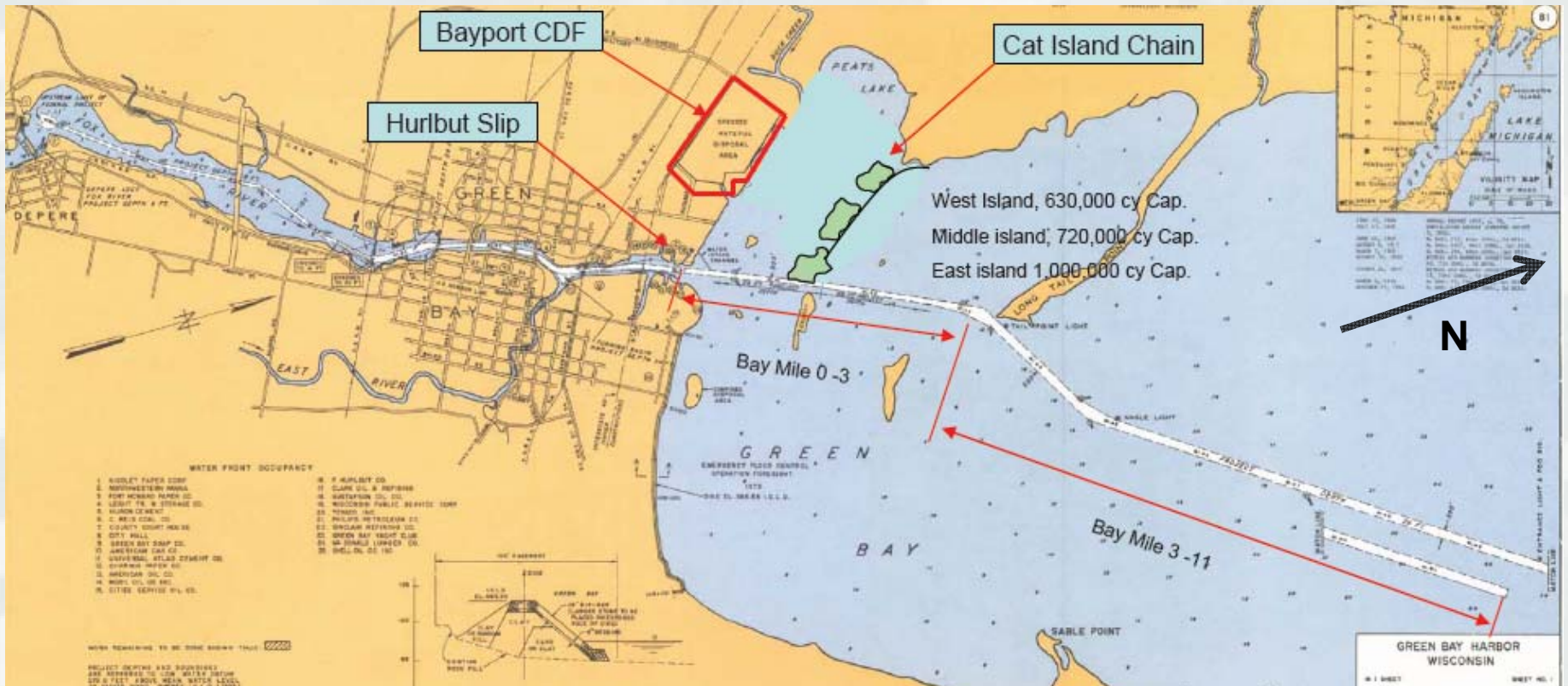
**BUILDING STRONG®**

# Lower Green Bay, 2008



**BUILDING STRONG®**

# Project Area in Green Bay



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# Beneficial Use of Dredged Material (Section 204 Authority)

- The Cat Island Restoration Project would Protect and Restore 1,200 acres of Wetlands.
- The Cat Island Restoration Project would Create More than 200 acres of Island Habitat.
- The Project is Supported by the U.S. Fish and Wildlife Service and the Wisconsin Department of Natural Resources.



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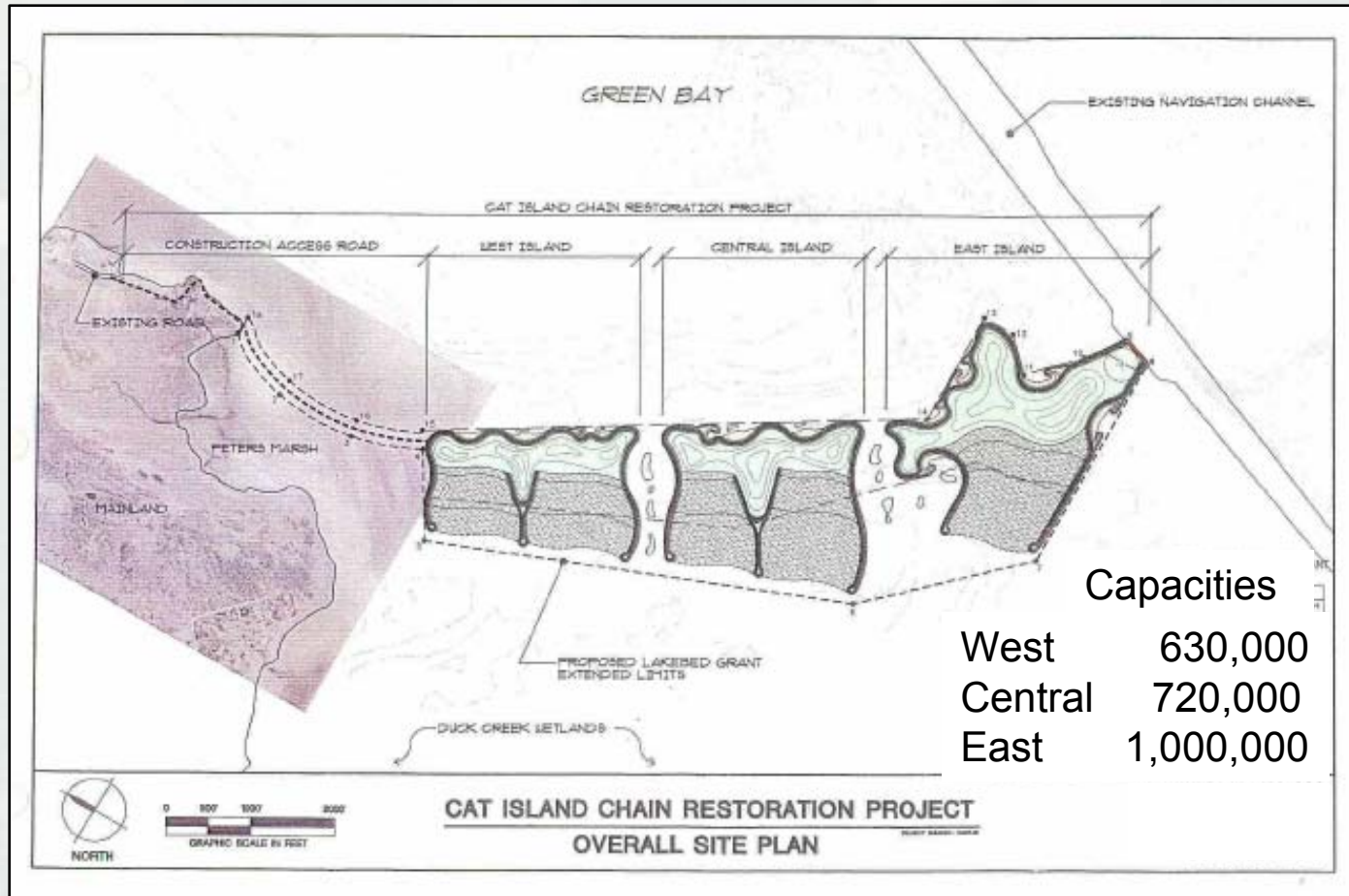
# Corps Selection Criteria

## (O&M Authority)

- Selected Alternative would have to Provide for Placement of 2.3M cubic yards of coarse-grained outer channel material and 2M cubic yards of fine-grained inner channel material.
- Alternatives Evaluated per Corps Criteria.
  - ▶ Engineeringly Feasible.
  - ▶ Environmentally Acceptable.
  - ▶ Least Costly.



# Cat Island Chain Restoration



**BUILDING STRONG®**

# Proposed Cat Island DMDF



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# Funding

- Federal

- ▶ GLRI (FY11) - \$6M
- ▶ GLRI (FY12) - \$6M
- ▶ Energy & Water Act (FY13)
  - \$7M (President's Budget)
  - \$6.65M (House)

- County

- ▶ GLRI (Wave Barrier) - \$1.5M
- ▶ Wisconsin DoT
- ▶ County
- ▶ Natural Resources Damage Assessment



# Cost Sharing for Cat Island DMDF

- Non-Federal Share (25% of Project Cost)
  - ▶ Can Include Work-in-Kind Amount with Approval of Integral Determination Report.
  - ▶ Must be Provided Up Front.
  
- Additional Amount (10% of Project Cost)
  - ▶ Can include crediting for Real Estate.
  - ▶ Must be Cash.
  - ▶ May be paid over a 30-year period.



# The Green Bay Harbor Review Strategy

- ✓ M-CACES Cost Risk Analysis.
- ✓ Division and HQ Review and Approval of Draft DMMP.
- ✓ GL-SAND Model Validation.
- ✓ Agency Technical Review.
- ✓ Design Value Engineering Review.
- ✓ DMMP and EA Public Review.
- ✓ Independent External Peer Review.
- ✓ Division and HQ Approval of Final DMMP.
- ✓ Integral Determination Report.
- Project Partnership Agreement.



# Critical Milestones

- Corps – Approval of Proposal to Credit the Sponsor for Providing Stone. *Done!*
- Corps – Review and Approval of Project Partnership Agreement.
- County – Award Construction Contract for Wave Barrier. *Done!*
- County – Board of Commissioners Approval of Project Partnership Agreement. *Done!*

