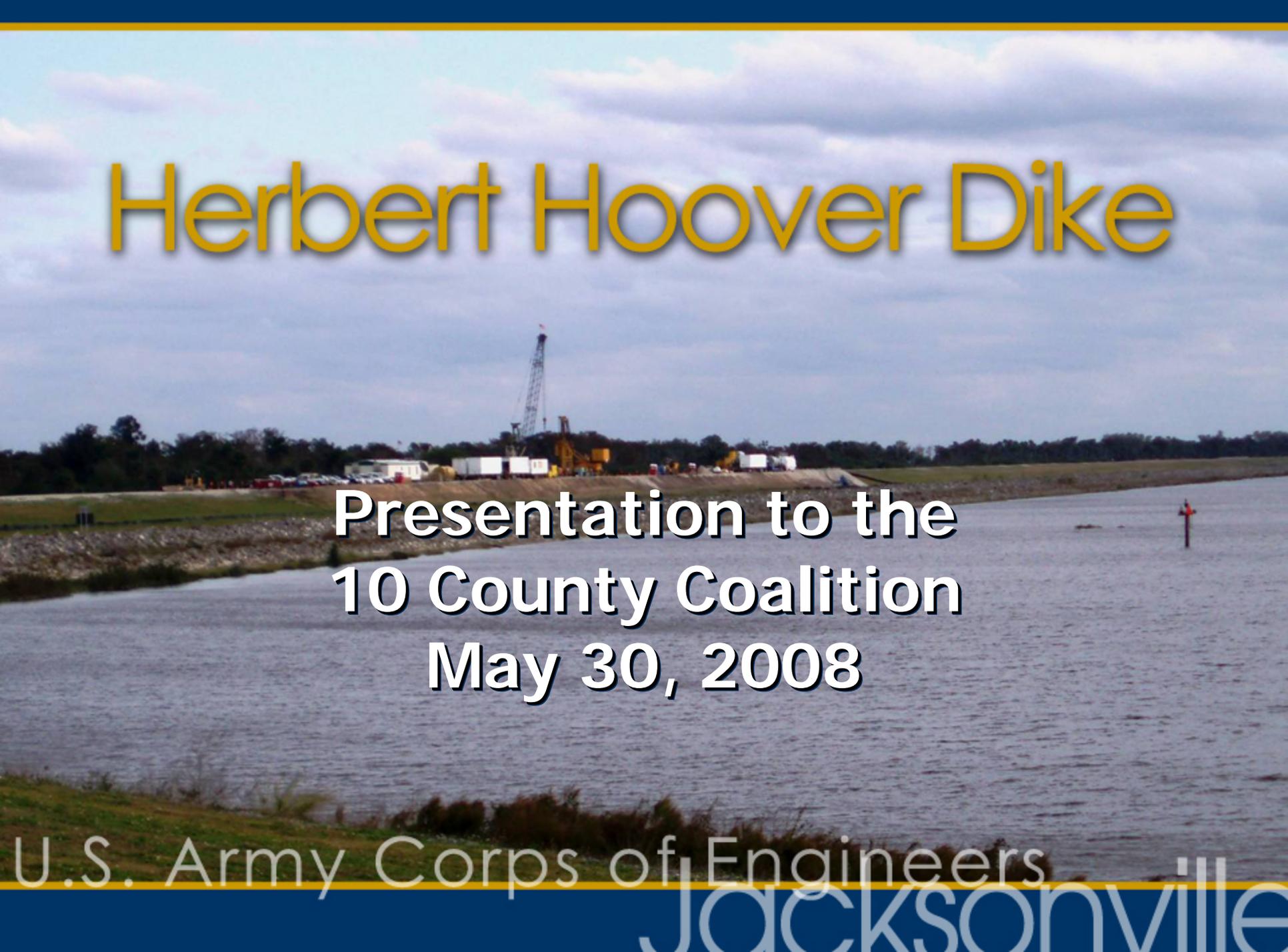


Herbert Hoover Dike

The background image shows a wide expanse of water in the foreground, likely a reservoir or a large body of water. In the middle ground, a long dike or embankment is visible, with various construction equipment and materials along its length. A prominent crane stands on the dike. The sky is overcast with grey clouds. The overall scene depicts a large-scale engineering project in progress.

**Presentation to the
10 County Coalition
May 30, 2008**

U.S. Army Corps of Engineers

Jacksonville

Briefing Purpose

To provide an update on the
Herbert Hoover Dike Rehabilitation Project

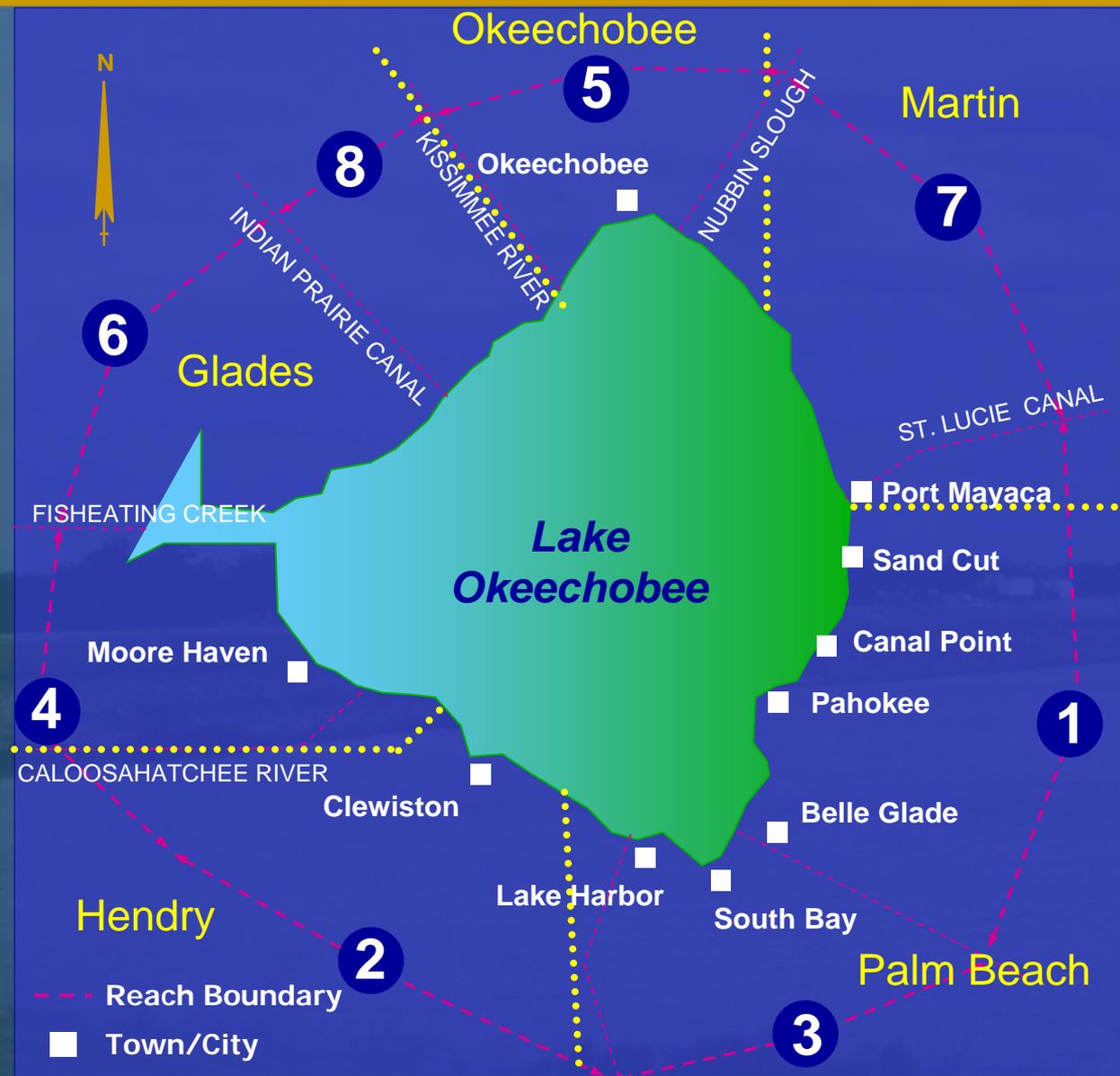
HHD Rehabilitation

Reaches in miles

1 - 22.4	5 - 14.5
2 - 20.4	6 - 28.0
3 - 6.7	7 - 17.6
4 - 15.7	8 - 12.5

Construction priorities

Reaches 1, 2 & 3



HHD Rehab Reach 1



Reach	Miles
1A	4.6
1B	3.7
1C	7.0
1D	7.0

Rehabilitation Schedule

- **Continue Reach 1 construction**
- **Budgets**
 - Spending this FY: \$54.8 million
 - FY 2009: \$77.4 million
 - FY 2010: Unknown
- **Completion dates**
 - Reach 1: 2008 – 2013
 - Reaches 2 and 3: 2011 – 2020
 - Reach 7: 2020 – 2024
 - Reaches 4, 5, 6 and 8: 2025 – 2030

HHD Reach 1

- **NEPA Activities**

- Environmental Assessment (EA) being completed for toe ditch fill in focus areas 1 and 6, and culvert 14 removal
- Final EA required prior to construction on these features

- **Environmental Impact Statement**

- Scheduled completion is Sept 09
- Required prior to land acquisition and construction of landside rehabilitation

- **Real Estate Acquisition**

- Coordinating required land acquisition with South Florida Water Management District for landside rehabilitation

HHD Reach 1

- **Landside design**

- Reach 1A design being completed by Corps Jacksonville District staff. Completion expected in Sept 08
- Reach 1B and 1D design completion expected in Apr 09
- Reach 1C landside rehabilitation contract will be awarded upon finalizing Reach 1B and 1D design criteria
- Filling in quarry (focus area 2, Reach 1D) design options are being explored by Jacksonville District staff
- Continued review, coordination with industry experts, other Corps districts, vertical team, dam safety experts and independent technical review

HHD Reach 1

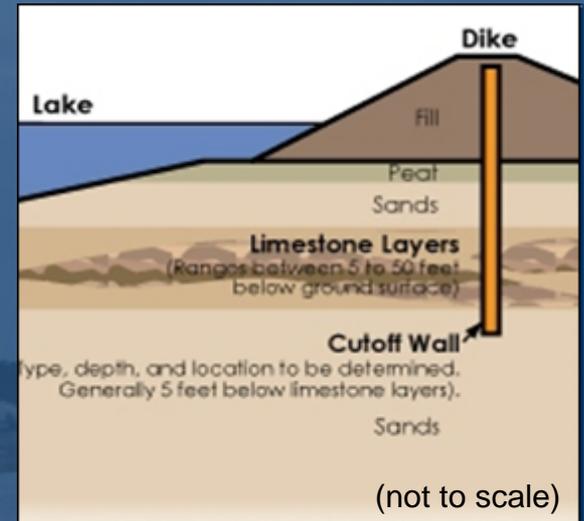
- **Current Construction**

- Seepage berm contract in Reach 1A completed in Feb 08
- Removal of melaluca trees in Reaches 2 and 3 by South Florida Operations office ongoing with completion expected in Jun 08
- First cutoff wall contract in Reach 1A
 - Contractor completing 3,500-foot section of cut-off wall



Reach 1 Cut-off Wall

- **Awarded to three contractors**
- **Performance based contracts**
 - Wall no wider than 36 inches
 - Depth based on geology, ranges from 40 to 60 feet deep
- **Provides the internal fix**
 - Unknown locations of piping channels in dike, foundation and limestone layers
 - Fix prevents future piping through layers and cuts-off existing pipes
 - Does not interrupt seepage through deep sand layer



Reach 1 Cut-off Wall



**Task order 1 is ongoing near
Port Mayaca**

- **Issuing multiple task orders**
 - Cut-off wall task order 2 (southern end of Reach 1A) was awarded in May 08 to the Bauer Foundation
 - Task order 3 (Reach 1D) award expected in mid-Jun 08
 - Task order 4 (Reach 1D) proposal period will begin upon award of task orders 3 and 4

HHD Reaches 2 & 3

- **Major Rehabilitation Report (MRR)**
 - System analysis and risk assessment phase of MRR is ongoing with expected Dec 08 completion
 - Field investigations (NEPA, surveying and geotechnical investigations ongoing)
 - Draft MRR on Reaches 2 & 3 expected in May 09, with final expected in Dec 09

Herbert Hoover Dike

- **Interim Risk Reduction Measures**

- Implementing new Lake Okeechobee Regulation Schedule
- Developing measures to address specific failure modes
- Addressing focus areas now
- Emergency action planning with state and local agencies
- Corps Emergency Plan
 - Equipment and 47,000 tons of materials prepositioned at 20 locations around the dike
 - Immediate response teams
 - Increased inspection frequency as the lake rises
 - Contracts in place for manpower, equipment and materials



Questions or Concerns?

U.S. Army Corps of Engineers

Jacksonville