Savannah Harbor DMMP Presentation for AAPA

GaDOT Office of Intermodal Programs
January 17, 2008
Savannah Local Sponsor

- DOT became sponsor December 8, 1999
- DOT funded sponsor work since 1972 ($148,577,398); average $4.2 mil/yr
- Provide lands, easements, rights-of-way
- Provide upland diked disposal areas
- Holds Corps harmless except for negligence due to Corps or their contractors
- Partner with the Corps
- DOT & Corps sign Project Cooperation Agreement on January 14, 2005 (Implements WRDA96)
Savannah Disposal Areas

- 9 upland diked, 1 undiked, 1 offshore area
- 42 Miles dikes
- Dike height varies 16-52 ft mllw
- 6394 diked acres in SC; 466 diked acres in Ga.
- Currently, DOT pays 35% of dike projects using State GO Bonds
Maintenance Dredging

- Corps dredges 1 Mil CY/yr - Bar Channel
- 7 Mil CY/yr - inner channel = football field
  0.7 mile high
- Slurry has 8 billion gal water = Savannah annual drinking water demands
- Corps spends $15 Mil/yr dredging
Area 12B Receiving Dredged Material
6-8 Months After Area Drained
Area 12A - 2002
Savannah Harbor, Georgia
Federal Navigation Channel
Disposal Areas
for River Station 0 to 40
Annual Maint. Qty = 974,800 cubic yards

- Georgia - South Carolina State Line
- Dikes
- Navigation Channel

Property Ownership
- GDOT
- Jasper Co.
- USFWS

Area of Map

Jasper County, SC
Chatham County, GA
Savannah

Miles
0 0.5 1 2 3 4

N
<table>
<thead>
<tr>
<th>SAMPLE OF DISPOSAL AREA ACTIVITIES</th>
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<tbody>
<tr>
<td><strong>PREDICTED VOLUMES (CY) TO BE DREDGED INTO THE SAVANNAH HARBOR DISPOSAL AREAS</strong></td>
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<tr>
<td>1N</td>
<td>NOT USED (USFWS ALLOWS ONLY SAND)</td>
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<td>1S</td>
<td>DISPOSAL AREA NOT DIKED</td>
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<tr>
<td>2A</td>
<td>DRYING</td>
<td>BUILD DIKE</td>
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<td>1,423,400</td>
<td>5,412,000</td>
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<td>Breach X dike</td>
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<td>BUILD DIKE</td>
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**Legend:**
- **Green**: DRYING OCCURING
- **Red**: AREA DRYING
- **Yellow**: DIKE CONSTRUCTION
2009 ACTIVITIES

Dike Construction
Drying
Receiving Dredged Material
No Activity
2010 ACTIVITIES

Dike Construction
Drying
Receiving Dredged Material
No Activity

JASPER COUNTY, SC

CHATHAM COUNTY, GA
2011 ACTIVITIES

- Dike Construction
- Drying
- Receiving Dredged Material
- No Activity
2012 ACTIVITIES

JASPER COUNTY, SC

CHATHAM COUNTY, GA

- Dike Construction
- Drying
- Receiving Dredged Material
- No Activity
2013 ACTIVITIES

- Dike Construction
- Drying
- Receiving Dredged Material
- No Activity

JASPER COUNTY, SC
CHATHAM COUNTY, GA

Legend:
- Green: Dike Construction
- Red: Drying
- Blue: Receiving Dredged Material
- Lavender: No Activity
Environmental Oversight

LTMS 1992 to 1997
State of South Carolina
• SC DNR
• SCDHEC OCRM

Federal
• FWS
• NMFS
• EPA
Property Ownership

GDOT Acres in Jasper Co., SC
4773 acres in useable floor of areas
1265 acres in dike footprint
4702 acres in marsh
10,740 acres total
WHY GaDOT OWNS PROPERTY IN JASPER COUNTY, S.C.

• Ownership of borrow material
• Corps requirement of Real Estate
• Requirement for environmental mitigation plan
• Settle lawsuits with previous owners
• Cost of fee title almost same as easement
• Safety
• Security
• Vandalism prevention
Jasper Terminal Issues

- Disposal area replacement
- Environmental mitigation plan impacts
- Added dredging costs
- Footprint alternatives
DMMP Issues

- Lack of federal funding
- New Jasper Terminal