



Freshwater Wetlands Preservation
Acquire freshwater wetlands that would become part of the SNWR

NSBL&D Fish Bypass
Restore access to historical spawning grounds for endangered sturgeon

Water Supply Impoundment
Mitigate for chloride impacts at the City of Savannah water treatment plant

Flow Re-Routing
Reduce salinity impacts to tidal freshwater wetlands in and near SNWR

Marsh Restoration
Compensate for lost brackish marsh by restoring DMCA 1S

Striped Bass Stocking
Compensate for adverse impacts to Striped bass spawning and nursery habitats

Value to the Nation

Garden City Terminal

- 4th largest container port in US
- Largest single terminal operation in North America
- Fastest growing container port in the Nation for the last 10 years
- 2.92M TEU through-put in 2011
- Supports in GA over 295,000 jobs, \$14.5B in income and \$2.6B in state and local taxes annually
- Supports in SC over 19,500 jobs, \$4.3B in income, \$33.7M in state and local taxes annually
- \$61.7 billion in revenue (9% of Georgia's total sales) annually
- \$6.1 billion in Federal, state and local taxes annually

Oxygen Injection System
Remove the incremental effects of the project on dissolved oxygen

Meeting Areas
Construct two meeting areas to facilitate two-way traffic

CSS Georgia Removal
Recover and preserve remains of the Confederate Ironclad

Kings Island Turning Basin
Deepen and enlarge to 1,600-feet x 1,600-feet

Boat Ramp
Restore boater access to the Back River

Upland Dredged Material Containment Areas
Increase capacity to accommodate deepening materials

Bend Wideners
Widen channel 100 ft. at three critical turns

Channel Deepening
Remove approximately 24,000,000 cubic yards of material to deepen from 42 to 47 feet

Channel Extension
Extend entrance channel across ocean bar an additional 7.1 miles

Monitoring & Adaptive Management
Implementing adaptive management features if post-construction monitoring shows them to be needed

Project Information

- Deepen from 42' to 47' NED selected plan
- \$652M total first cost (FY12 price levels)
- \$292M total mitigation cost
- 70% federal 30% non-federal cost share
- \$174M annual net benefits
- Benefits derived from increased transportation efficiencies
- 5.5:1 @ 4% (discount rate) benefit to cost ratio
- Projected to create 11,000+ jobs nationwide, 3,700+ bi-state, 2,400+ locally



Savannah Harbor Expansion Project (SHEP)

BUILDING STRONG®