

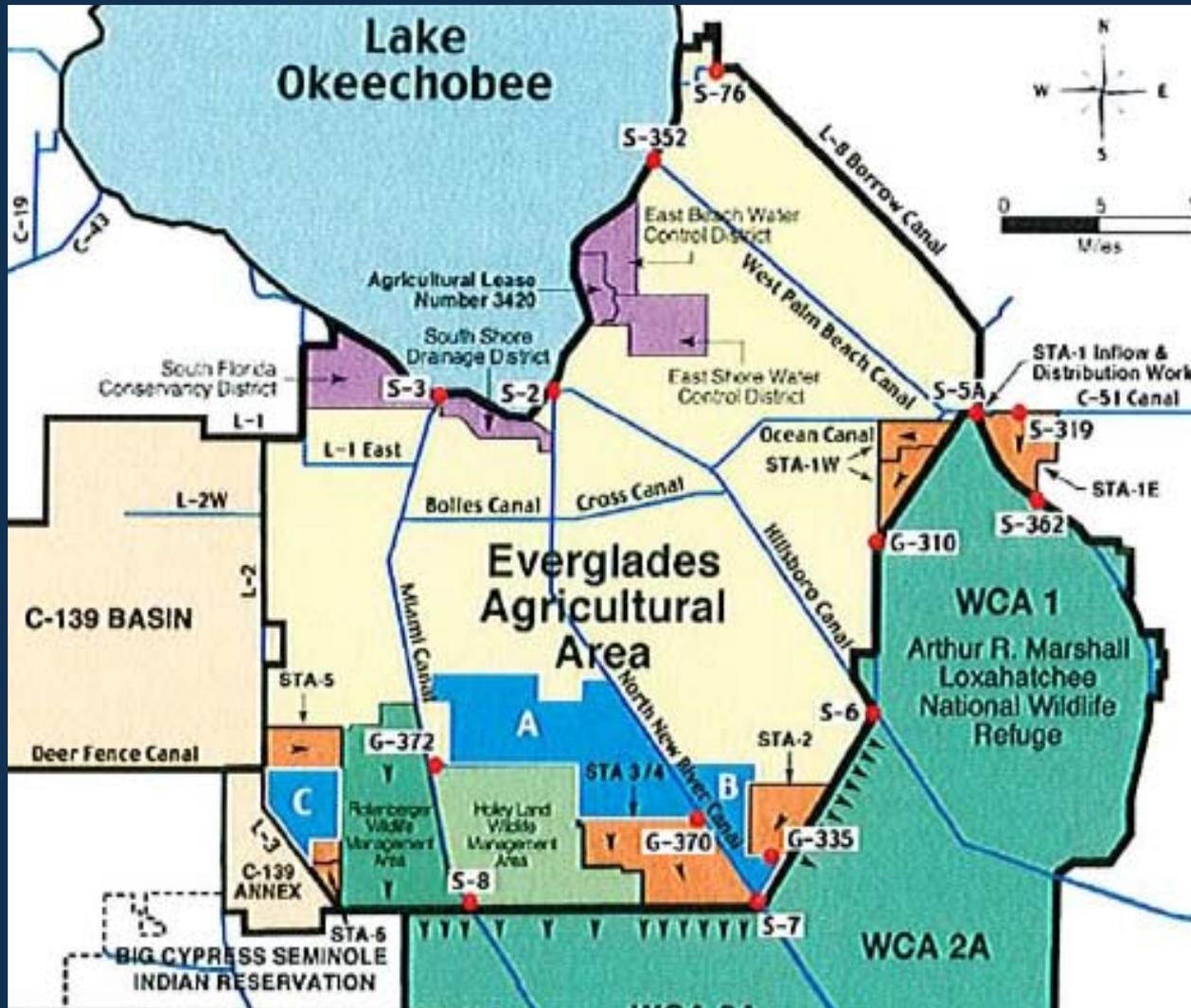


EAA Conveyance Improvements

Governing Board Project & Lands
Committee Meeting
March 13, 2013

*Jeff Kivett, P.E., Bureau Chief
Engineering & Construction Bureau*

Project Location - Ocean (L13), Cross (L16), Bolles (L21) & W Bolles (L26) Canals

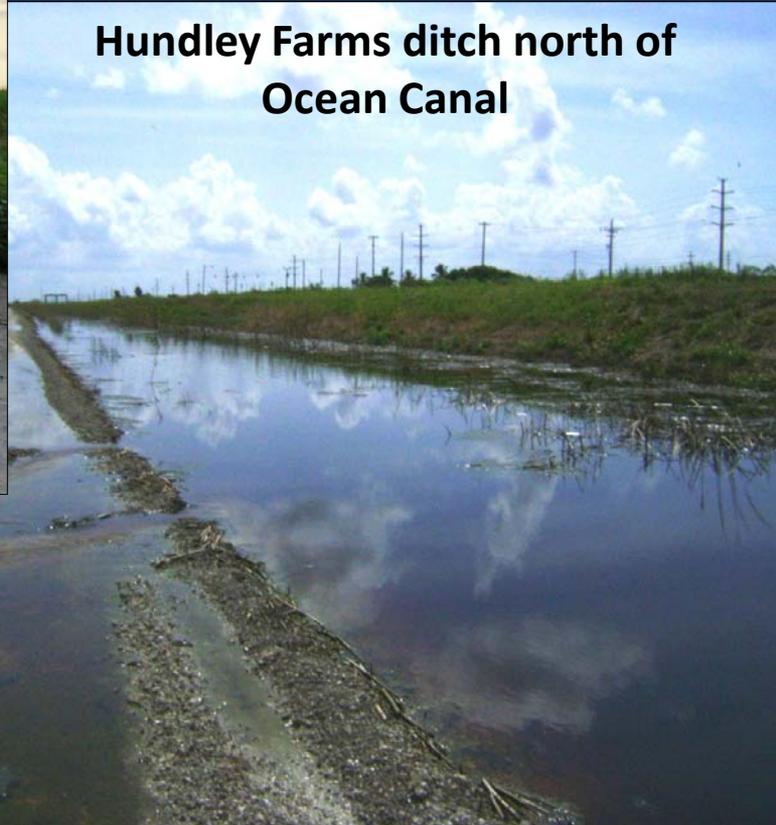


TS Isaac - Conditions

Levee road on north side of
Cross Canal repair work



Hundley Farms ditch north of
Ocean Canal



Project Benefits

- Provides increased operational flexibility for the C&SF system
 - Able to redistribute flows within the EAA
- Reduces back pumping into Lake Okeechobee
- Increases flood protection for adjacent agricultural areas
 - Widened canals
 - Improved levees
- Enhance water quality & STA performance
 - Move excess flows to treatment areas with available capacity
 - Reduce high stages
 - Enhance vegetation growth

Project Challenges

- Funding opportunities/constraints
- Operational constraints during construction
- Environmental impacts/restraints
- Potential of soil/sediment contamination
- Multiple adjacent landowners
- Multiple stakeholder coordination

Ocean (L13) Canal

- Remove canal conveyance constrictions located in G-341



Cross (L16) Canal

- Increase L16 Canal capacity, includes blasting
- Replace infrastructure constricting canal section



Bolles (L21) Canal

- Increase L21 canal capacity, includes blasting
- Replace infrastructure constricting canal section
- Perform updated modeling of the EAA system to determine if pumps, canal modifications or other facilities may be required to send additional flows south to the A1 FEB and west to STA 5/6



West Bolles (L26) Canal

- Feasibility Study of Bolles (L26) westward extension to L2 and potential pump station at L-2 to pull water west and send south to STA 5/6
- Bolles (L26) westward extension to L2 and pump station
- Includes 7 miles of new canal and 600 cfs pump station



Project Costs

Planning, Engineering and Design costs are roughly estimated to be \$5,000,000

Construction Item	Conceptual Cost
Ocean Canal Widening	\$ 4,555,051
Cross Canal Excavation	\$ 51,531,658
NNR Hump Removal	\$ 2,477,314
Bolles Canal Excavation	\$ 26,824,074
Ag PS & Culvert Replace	\$ 11,017,288
West Bolles Expansion	\$ 55,569,883
Totals	\$ 151,975,268

Questions

