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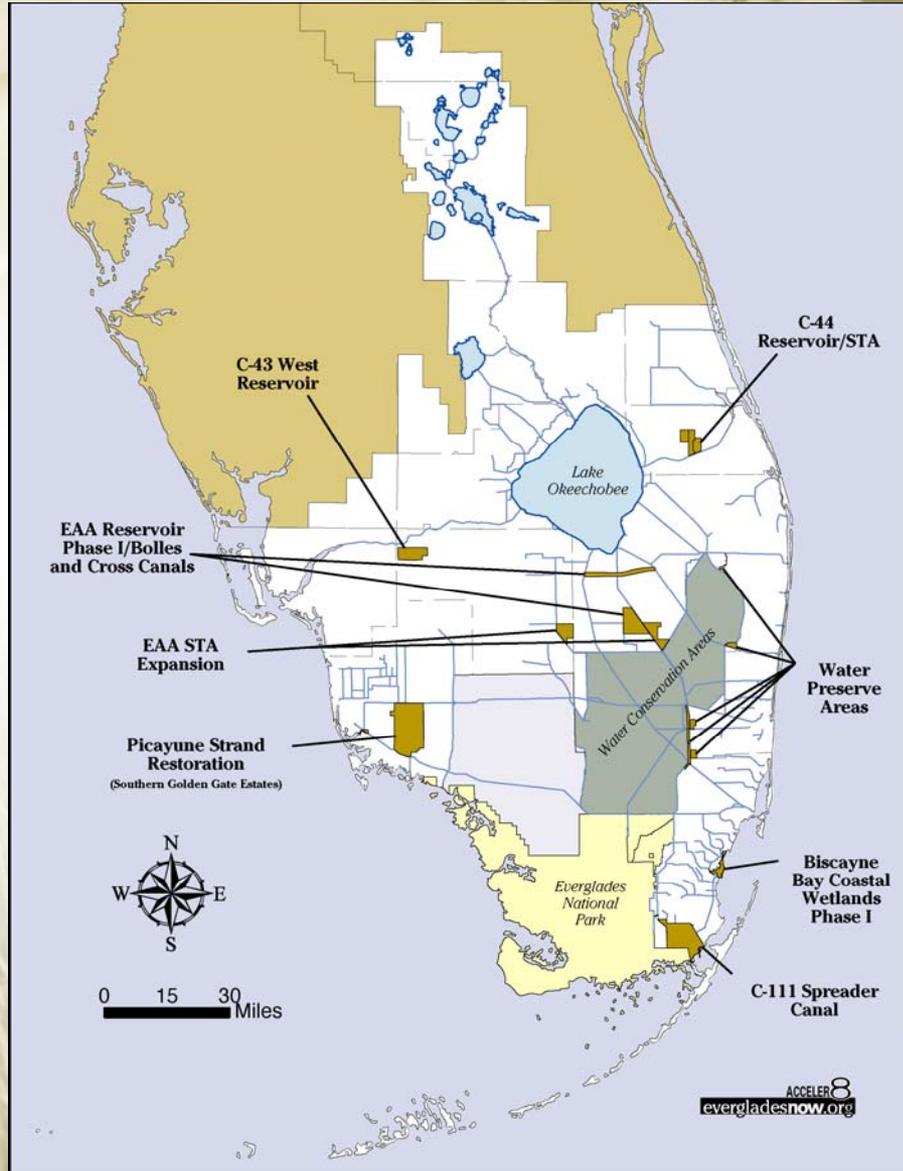
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# Everglades Restoration

## *Stepping Up the Pace*



# Everglades Restoration Accelerated Projects



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# Acceler8

## ■ Achieves Restoration Goals Faster

- CERP projects with PIRs already under way
- Provides approximately 50% of planned CERP surface water storage
- Earlier improvements in water quality
- Reduces water deliveries to estuaries
- Earlier improvements in Lake Okeechobee habitat
- Earlier improvements in water flow and timing / hydropatterns to the natural system
- Provides greater flood control and water supply management flexibility

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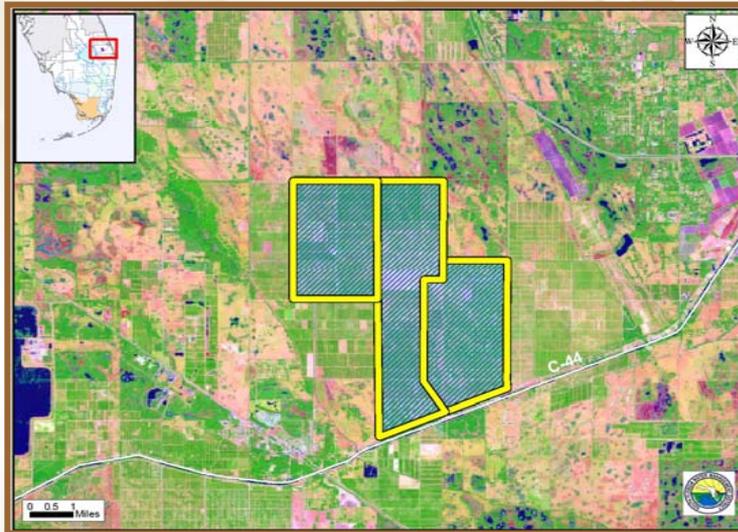
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# C-44 Reservoir/STA

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## DESCRIPTION

- As a component of the larger Indian River Lagoon South Restoration Project, this **Acceler8** project consists of a 4,000-acre, 10-foot-deep above-ground reservoir that will provide additional water storage for the C-44 basin. The project also includes a 4,000-acre stormwater treatment area to capture and treat excess rain water runoff.

## PURPOSE/BENEFITS

### Water Supply & Flood Control:

- Capture and store local stormwater runoff from the basin; treat some or all of it and return it to the C-44 (St. Lucie) Canal when needed.
- Increase available water supplies for the environment and human needs

### Water Quality:

- Decrease/attenuate excess historical water flow from Lake Okeechobee to the St. Lucie Estuary
- Reduce amounts of phosphorus entering the estuary

### Recreation:

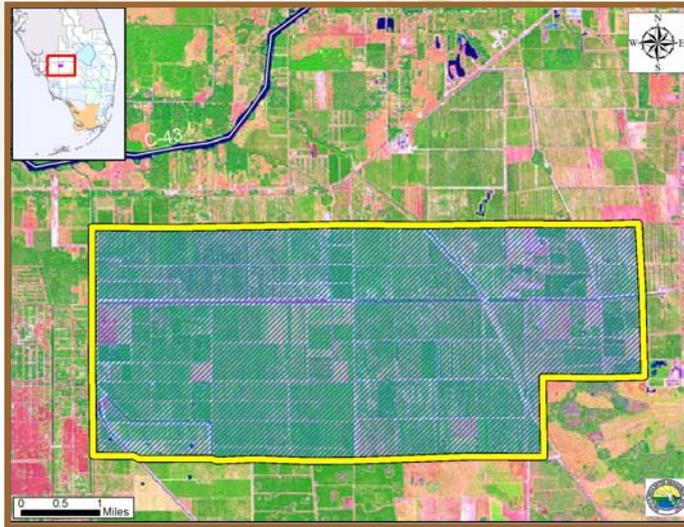
- Provide public access and recreation opportunities



# C-43 West Reservoir

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## DESCRIPTION

- This will comprise a significant portion of the overall water storage requirement for the C-43 basin. The **Acceler8** project consists of an above-ground reservoir located along the Caloosahatchee River. Maximum storage capacity is 160,000 acre-feet. Water depth will vary from 12-16 feet. The reservoir will be constructed on an 11,000-acre parcel owned by the District in Hendry County, west of LaBelle.

## PURPOSE/BENEFITS

### Restoration & Reduce Releases:

- Capture and store regulatory releases from Lake Okeechobee, reducing discharges to coastal estuaries
- Capture and store stormwater runoff from the C-43 basin, decreasing/attenuating excess water flow to the Caloosahatchee Estuary

### Water Supply:

- Provide water supply for the Caloosahatchee Estuary restoration by attenuating peak flows during the wet season and providing essential flow for estuary health during the dry season.
- Additional available water supplies for agricultural and urban demands

### Recreation:

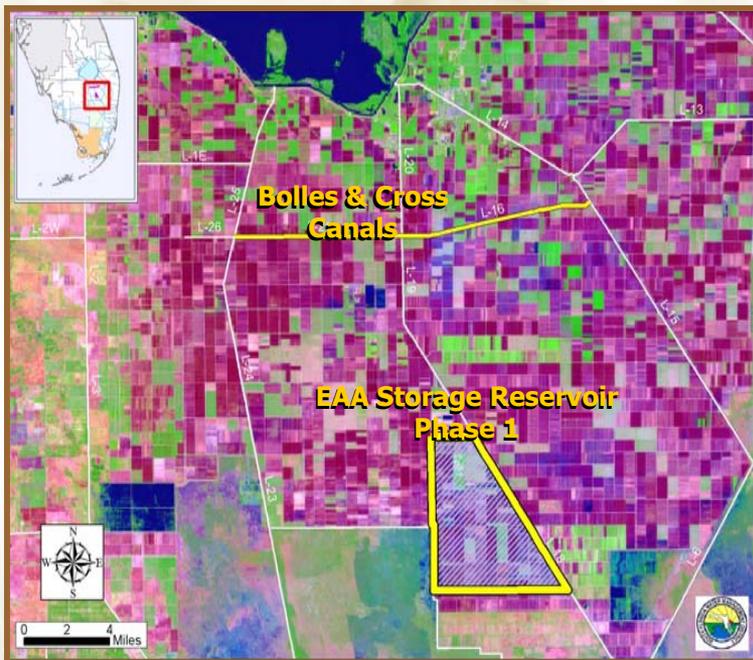
- Provide public access and recreation opportunities



# EAA Reservoir – Phase 1/ Bolles and Cross Canals

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## DESCRIPTION

- Above-ground 190,000 ac-ft storage reservoir in the southern region of the Everglades Agricultural Area (EAA),
- Conveyance capacity increases for Bolles & Cross Canal

## PURPOSE/BENEFITS

### Restoration:

- Capture, move and store regulatory releases from Lake Okeechobee, reducing discharges to coastal estuaries
- Capture, move and store agricultural stormwater runoff, reducing the need for backpumping

### Water Supply:

- Additional water available to meet Everglades and agricultural water demands, lessening water supply dependency on Lake Okeechobee

### Water Quality:

- Further reduce phosphorus inflows to the Everglades

### Flood Control:

- Additional flood control for lands adjacent to Bolles and Cross Canals

### Recreation:

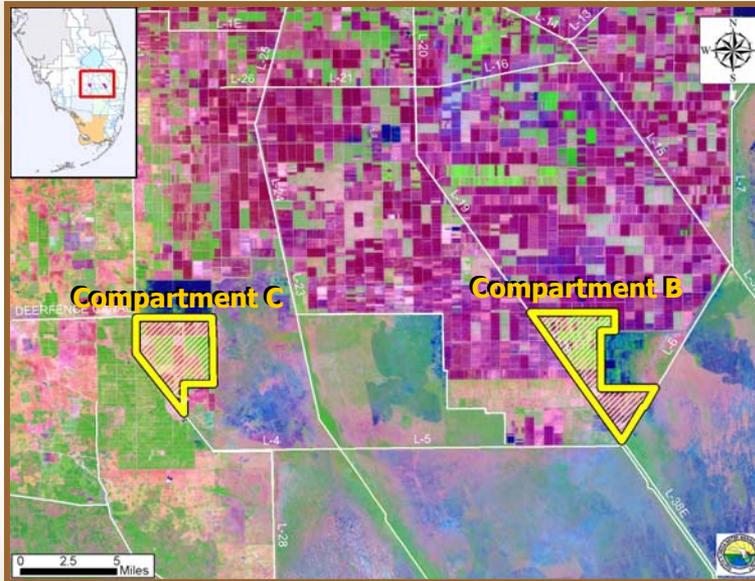
- Provide public access and recreation opportunities



# EAA STA Expansion

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## PURPOSE/BENEFITS

### Water Quality:

- Further reduce phosphorus levels and help achieve state water quality standards for the Everglades
- Improve existing STAs' ability to remove pollutants prior to discharge into the Everglades
- Provide operational flexibility for directing flows to optimize STA performance in improving water quality entering the Everglades

### Recreation:

- Provide public access and recreation opportunities

## DESCRIPTION

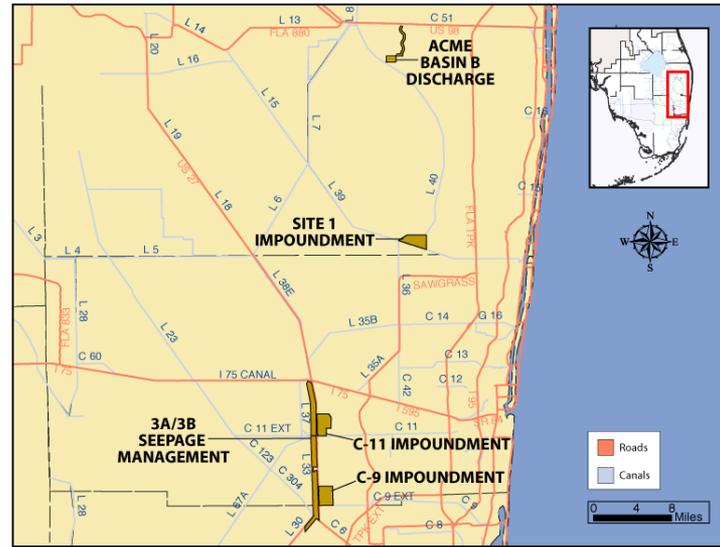
- Expand STA-2 with a new 2,000-acre Cell 4 and expand STA-5 by 2,560 acres by Dec 2006.
- Conduct regional feasibility study to determine optimal configuration of treatment works in remaining land of Compartments B and C.
- Compartments B and C construction complete by Dec 2008.



# Water Preserve Areas

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## PURPOSE/BENEFITS

### Restoration & Water Quality:

- Divert urban runoff into impoundments
- Improve hydropatterns in the Water Conservation Areas & ENP
- Enhance and increase spatial extent of wetlands
- Reduce seepage of pristine water from the Everglades; provide a buffer between natural and developed areas.
- Reduce the amount of excess water discharged to tide and "lost" to the system

### Water Supply:

- Provide supplemental water supply deliveries and aquifer recharge

### Recreation:

- Provide public access and recreation opportunities

## DESCRIPTION:

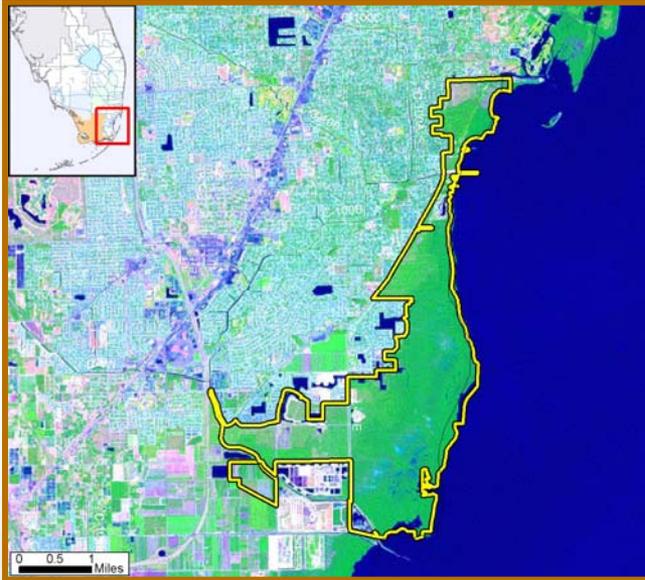
- **Site 1**
- **C-9 & C-11 Impoundments**
- **Acme Basin B**
- **WCA 3A & 3B Levee Seepage Mgmt**
- Projects consist of above-ground impoundments, a wetland buffer strip, pump stations, culverts, canals, water control structures and seepage control systems



# Biscayne Bay Coastal Wetlands: Ph. I

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## DESCRIPTION

- This **Acceler8** project is a component of a larger project that will expand the wetlands adjacent to Biscayne Bay in Miami-Dade County, enhancing the ecological health of Biscayne National Park. This project consists of the design and construction of two essential flow-ways, located at Deering Estates and Cutler Ridge.

## PURPOSE/BENEFITS

### Restoration:

- Restore the quantity, quality, timing and distribution of freshwater to Biscayne Bay and Biscayne National Park
- Improve salinity distribution near the shoreline, which will re-establish productive nursery habitat for shrimp and shellfish
- Capture, treat and re-distribute freshwater runoff from the watershed into Biscayne Bay, creating more natural water deliveries
- Expand spatial extent and connectivity of coastal wetlands

### Recreation:

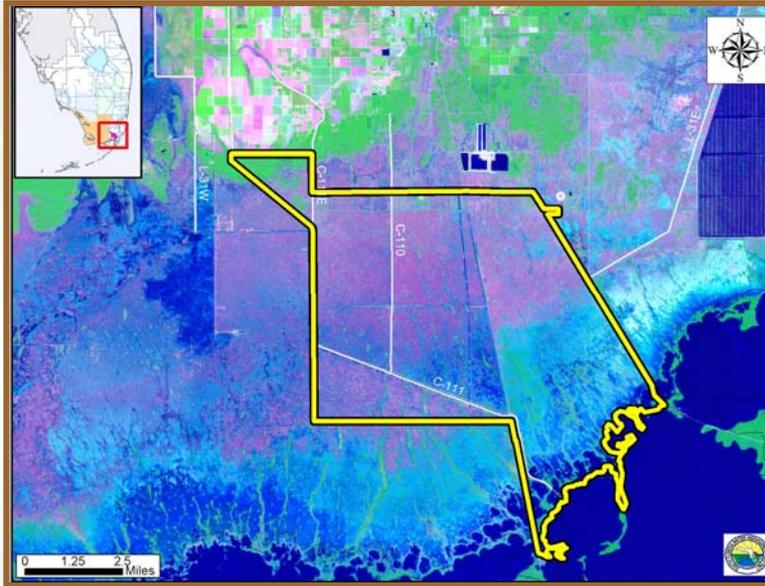
- Provide improved recreational opportunities in the Bay and adjacent wetlands.



# C-111 Spreader Canal

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## PURPOSE/BENEFITS

### Restoration:

- Provide more natural sheet-flow to Florida Bay by eliminating harmful point source discharges of freshwater through C-111
- Re-hydrate and re-establish sheet-flow and hydro-patterns that will sustain ecosystems in the Southern Glades and Model Lands
- Restore the quantity, quality, timing and distribution of freshwater to estuarine systems of Manatee Bay and Barnes Sound.

### Recreation:

- Provide public access and recreation opportunities

## DESCRIPTION

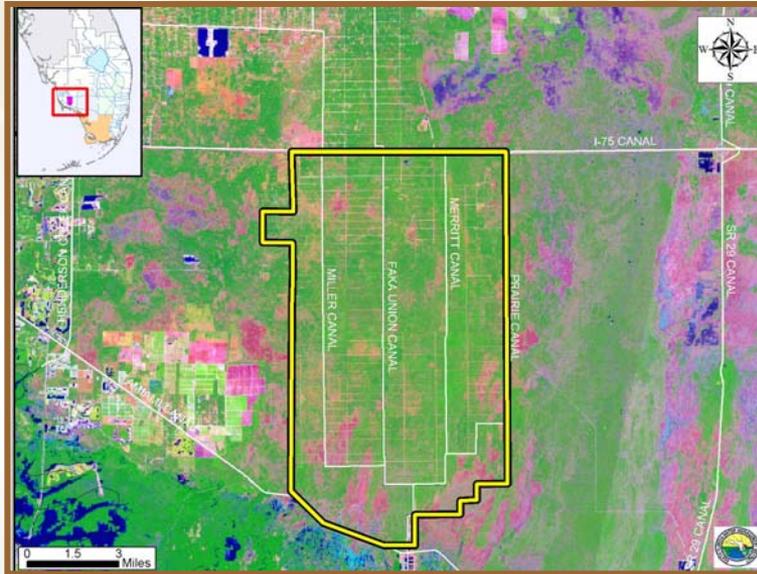
- This **Acceler8** project is a multipurpose project that provides for ecosystem restoration of freshwater wetlands, tidal wetlands and near-shore habitat, maintenance of flood protection, and recreation opportunities. Located in south Miami-Dade County, project works include pump stations, culverts, spreader canal, water control structures and a stormwater treatment area. In addition, an existing canal and levee will be degraded to enhance sheetflow across the restored area.



# Picayune Strand Restoration (Southern Golden Gate Estates)

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## DESCRIPTION

- 85 square miles of Collier County. Development of the Estates and associated 48 miles of canals and 290 miles of roads changed healthy wetland into distressed system. Runoff that once flowed to the coastal estuary was funneled into the Faka Union Canal System.

## PURPOSE/BENEFITS

### Restoration:

- Restore and enhance the wetlands in the project footprint
- Restore a natural sheet-flow to Ten Thousand Islands National Wildlife Refuge
- Significantly increase the size of wetlands

### Water Quality:

- Improve water quality and reduce volume of water delivered to coastal estuaries

### Flood Protection:

- Maintain flood protection for Northern Golden Gate Estates

### Recreation:

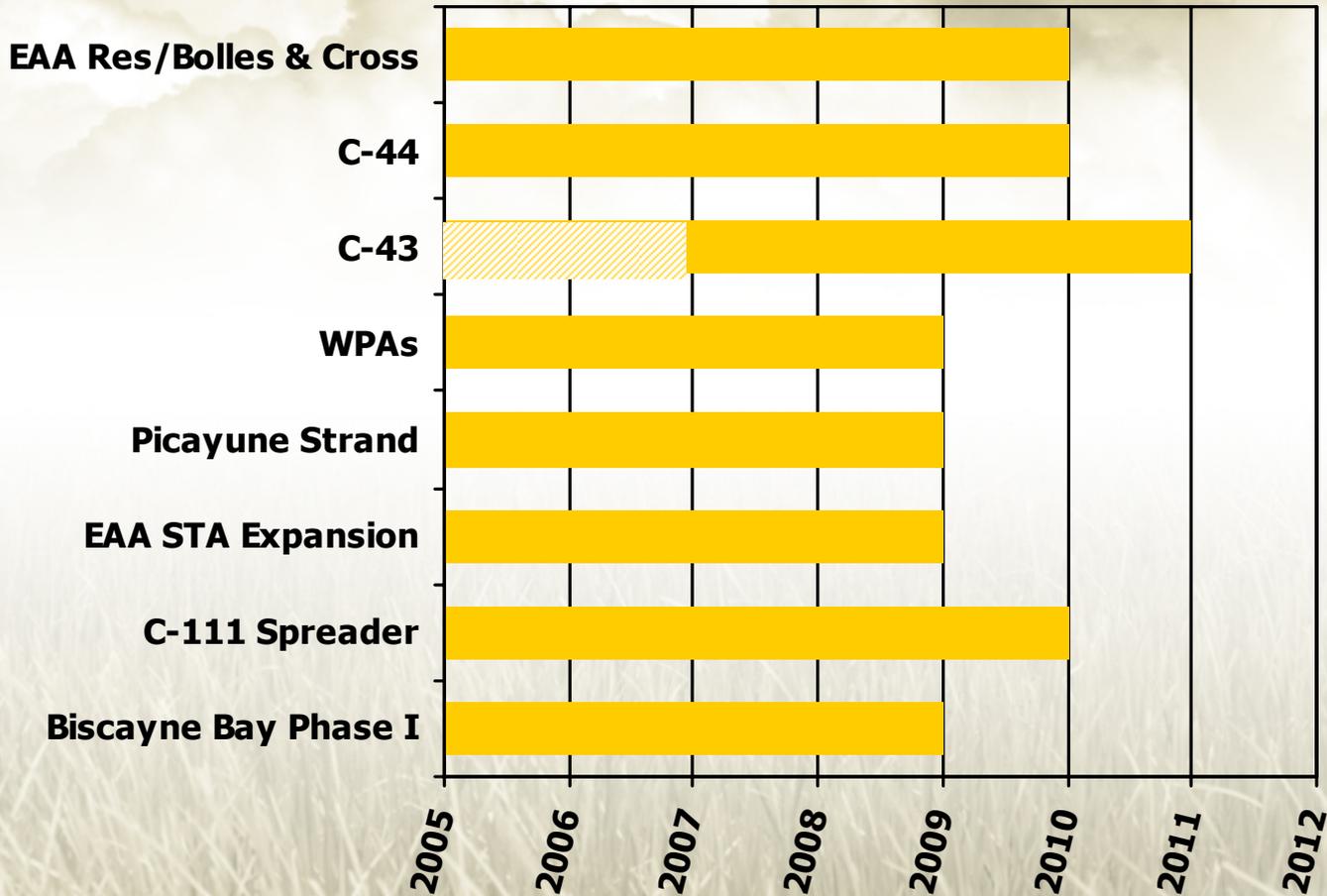
- Provide public access and recreation opportunities



# Acceler8 – Timeline

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C-43 lands under lease until 2007



# Acceler8 – Funding

## ■ Certificates of Participation

- Authorized under Florida Statute 373.584
- Provides for immediate up-front funding as opposed to “pay as you go”
- Utilizes existing revenues
- Type of financing also used by counties, school districts

## ■ State/Local Economic Impact

- Significant infusion of construction dollars next 5 years
- Creates business and employment opportunities

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## For More Information

■ Visit [everglades\*\*now\*\*.org](http://evergladesnow.org)



ACCELER8  
evergladesnow.org Organizational Chart

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