South Florida Everglades Ecosystem Restoration
Central & Southern Florida Project (C&SF)

- **Authorization**: Flood Control Act of 1948 +

- **Purpose**: Flood Control, Water Conservation & Control, Salt Water Intrusion, F&W, Water Supply to ENP, FL Bay/FL Keys, & Environmental Restoration

- **Features**: 46 bridges, 10 locks, 670 miles of canals, 809 miles of levees, 130 control & diversion structures, & 16 pump stations

- **Project Cost**: $2.9B
- **Cost Share**: Varies
- **Local Sponsor**: Various
Historic Flow

Current Flow

CHALLENGE
Everglades Ecosystem Restoration

**Current Program**

- Modified Water Deliveries to ENP (Funded Thru DOI)
- Kissimmee River Restoration
- Critical Projects Program
- Continuing Authorities Program (1135, 206)
- Central & Southern Florida Project
  - Upper St Johns
  - Manatee
  - C-51 / STA-1E
  - C-111
  - CERP
Authorized as part of the Everglades National Park Expansion Act of 1989:

- $398 million
- to be constructed by the Corps of Engineers

Includes:

- Re-establishing flow along historical flow path into ENP.
- Protection of developed areas, housing, businesses, and agriculture areas
- Improvement to Tamiami Trail to allow greater flows and higher water levels

Status:

- Construction is underway
Modification to existing features of C&S project to improve water discharges to ENP:

- $250 million

Features:

- Construction of 4 500 cfs pump stations
- Construction of a 10 mile long detention and buffer area to capture flood water discharges and separate ENP from developed areas.

Status:

- Construction underway.
Components

Reconnect 3A/3B flowpath
- L67A & C structures

Restore flows to NESRS
- S-355’s and Tamiami Trail

Mitigate seepage impacts
- S-356 and 8.5 SMA

Minimize or eliminate wet season transfers
- G-211 or S-331

Reduce seepage losses from ENP and maintain flood protection
- C-111 detention area

Restore Taylor Slough and reduce damaging discharges to Barnes Sound
- C-111 detention area
- Taylor Slough Bridge
- Remove C-111 spoil mounds
On December 11, 2000, the President signed the Water Resources Development Act of 2000, approving:

**Comprehensive Everglades Restoration Plan**

A series of environmental and other improvements over 30+ years with an estimated cost of $7.8 billion
Aquifer Storage & Recovery – 330 Wells

Surface Water Storage Reservoir – 170,000 acres

Stormwater Treatment Areas (STAs) – 36,000 acres

Reuse Wastewater at 2 Regional Plants

Seepage Management

Removing 240 miles of Barriers to Sheetflow

Operational Changes
WCA Decomp Project Area

- “Heart” of the restoration effort
- Stakeholders eager to see progress on Decomp

Dependent on quantity and quality of inflows
Dependant on seepage management
Dependant on quantity, quality of replacement source water

Legend:
- Bridge Tamiami Trail
- Degrade Levee/Fill Canal
- Weirs
- Spillway
Seepage Management Pilot Project Study Area Map
Levee Elev ~ 10 ft NGVD
-70 ft S-335
-85 ft
Min 5’ embedment
100 ft
450 ft
20 ft Overlap
450 ft
100 ft
-70 ft
Wells

L-30 Seepage Management Pilot Project
Biscayne Bay Coastal Wetlands
Historic Flow

Current Flow

Future Flow

The Goal

CERP
Thank You!