The Role of CERP in Addressing Lake Okeechobee Watershed Issues

Stu Appelbaum
Deputy for Restoration Program Management
Army Corps of Engineers, Jacksonville District
On December 11, 2000, the President signed the Water Resources Development Act of 2000, approving:

**Comprehensive Everglades Restoration Plan (CERP)**

A program providing for the restoration, preservation, and protection of the south Florida ecosystem while providing for other water-related needs of the region.
68
CERP Components

Surface Water Storage
Reservoirs – 180,000 acres

Aquifer Storage
& Recovery – 330 wells

Stormwater Treatment
Areas (STAs) – 36,000 acres

Reuse Wastewater – 2 Regional plants

Seepage Management

Removing Barriers
to Sheetflow – 240 miles

Operational Changes - Rainfall Based Deliveries
Yellow Book
Headwaters Storage Reservoirs

North of LO 200,000 ac-ft
Taylor Creek/Nubbin Slough 50,000 ac-ft
C-44 40,000 ac-ft
EAA 360,000 ac-ft
C-43 160,000 ac-ft
Southern L-48 48,000 ac-ft

858,000 ac-ft
Yellow Book Aquifer Storage and Recovery

CERP ASR Sites | Wells
--- | ---
Lake Okeechobee | 200
Caloosahatchee | 44
L-8 Basin | 10
C-51 Basin | 34
Central PBC | 15
Hillsboro | 30
**TOTAL** | **333**

Note: Design Capacity for each ASR well = 5 million gallons per day (mgd).
C-44 Reservoir and STA

- Storage: 30,000 acre-feet
- STA 2,000 acres
- SFWMD Test Cell
Everglades Agricultural Area Storage Reservoir
Lake Okeechobee Watershed

Water Storage & Treatment
- K42 Reservoir - 161,263 ac-ft
- I-17 Reservoir - 79,560 ac-ft
- T-26 Reservoir - 32,000 ac-ft
- T-01 STA - 3,975 acres
- I-01 STA - 8,044 acres
Project Locations

Lake Okeechobee Water Retention / Phosphorus Removal Project

Legend
- Stormwater Treatment Areas
- Roads
- Water Canal

Taylor Creek STA (Grassy Island Ranch)

Nubbin Slough STA (Newpalm/Newcomer Dairy)

Map created on Jan 18, 2003 by S. Wallson, DRS
Taylor Creek STA

- 190 acres
- Located on Taylor Creek
- Contract Amount: $2,872,797
- Former land use: beef cattle
- Contract completion: July 2005
Nubbin Slough STA

- 780 acres
- Located on Nubbin Slough
- Contract amount: $8,863,769
- Former land use: dairy
- Contract completion: September 2005
Questions?