

Project Name: C&SF: CERP Central Lake Belt Storage Area (S P1 & S P2) (EEE)
Project ID: 1110 (CERP Project WBS # 26): *Central Lake Belt Storage Area (S); Flows to Eastern Water Conservation Areas (EEE - previously WBS #23)*
Lead Agency: USACE / SFWMD
Authority: Not authorized
Funding Source: Federal/State

Strategic Plan Goal(s) Addressed: **Primary:** 1-A.1 **Secondary:** 1-B.1

Measurable Output(s):

- 190,000 acre-feet storage
- 640 acres stormwater treatment area

April 1999 (Restudy) Project Synopsis:

S and EEE: Includes pumps, water control structures, a stormwater treatment area of 640 acres (water level fluctuating up to 4-feet above grade), and a combination above-ground and in-ground storage reservoir of 5,200 acres (water level fluctuating from 16-feet above to 20-feet below grade) with a total storage capacity of approximately 190,000 acre-feet located in Miami-Dade County. A subterranean seepage barrier will be constructed around the perimeter to enable drawdown during dry periods and to prevent seepage losses. A pilot will address potential impacts to the county's Northwest Wellfield during construction and/or operation.

Excess water from Water Conservation Areas 2 and 3 will be diverted into the L-37, L-33, and L-30 Borrow Canals, running along the eastern boundaries of the Water Conservation Areas, and pumped into the Central Lake Belt Storage Area. Water supply deliveries will be pumped through an STA prior to discharge to the Everglades via the L-30 Borrow Canal and a reconfigured L-31N Borrow Canal. A structure will be provided on the Snapper Creek Canal to provide regional system deliveries when water from the Central Lake Belt Storage Area is not available to: (1) Northeast Shark River Slough, (2) Water Conservation Area 3B, and (3) to Biscayne Bay through Snapper Creek Canal at Florida's Turnpike, improving hydropatterns in that order, if available.

Current Project Synopsis: The purpose of the feature is to store excess water from Water Conservation Areas 2 and 3 and to provide environmental water supply deliveries to: (1) Northeast Shark River Slough, (2) Water Conservation Area 3B, and (3) to Biscayne Bay, in that order, if available. It is assumed that water diverted from WCAs 2 and 3 is of adequate quality to return to the Everglades Protection Area and Biscayne Bay. Final configurations and treatment requirements were to come from a Water Preserve Areas Feasibility Study.

Though drafted, the study scope became too large, so projects are being revisited separately.

Current Status: A pilot test of this technology will be conducted prior to final design of this component. Since this facility is to be located within a protection area, the pilot test will be designed to identify and address potential impacts to the Miami-Dade County's Northwest Wellfield, which may occur during construction and/or operation. Project is planned in the future.

Est. Cost: \$ 700,568,000

Project Schedule: TBD

Detailed Project Budget Information (rounded):

Central Lake Storage Reservoir (S)	Expenditures Thru FY 2009
USACE	\$0
SFWMD	\$0
Total	\$0

Flows to Eastern Water (EEE)	Expenditures Thru FY 2009
USACE	\$0
SFWMD	\$0
Total	\$0

Hyperlinks: http://www.evergladesplan.org/pm/projects/proj_26_central_lake_belt.cfm
http://www.evergladesplan.org/pm/projects/proj_23_flow_eastern.cfm

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Source: Original project description summarized from the *Central and Southern Florida Project Comprehensive Review Study (Restudy)* (1999). Cost estimate information is updated to reflect current price levels in October 2009 dollars.