

Project Name: C&SF: CERP North Palm Beach County – Part 2 (LL) (K P2)
Project ID: 1200 (CERP Project WBS # 18)
Lead Agency: USACE / SFWMD
Authority: Not authorized
Funding Source: Federal/State

Strategic Plan Goal(s) Addressed: 1-A.2

Measurable Output(s): 220 million gallons per day of ASR wells (.220 billion gallons per day)

April 1999 (Restudy) Project Synopsis: Included two separable elements: (1) the C-51 Regional Groundwater ASR system and (2) the L-8 Basin Aquifer Storage and Recovery (ASR) system to provide additional long-term storage within the North Palm Beach County region.

Current Project Synopsis: The purpose of this feature is to capture and store excess flows from the C-51 Canal, currently discharged to the Lake Worth Lagoon, for later use during dry periods.

- **C-51 Regional Groundwater Aquifer Storage and Recovery (LL)** includes a series of aquifer storage and recovery wells with a capacity of 170 million gallons per day as well associated pre- and post-water quality treatment to be constructed along the C-51 Canal in Palm Beach County. The initial design of the wells assumed 34-well clusters, each with a capacity of 5 million gallons per day with chlorination for pre-treatment and aeration for post-treatment. The ASR facilities will be used to inject and store surficial aquifer ground water adjacent to the C-51 Canal into the upper Floridan Aquifer instead of discharging the canal water out to tide. Water will be returned to the C-51 Canal to help maintain canal stages during the dry-season. If water is not available in the ASR system, existing rules for water delivery to this region will be applied.
- **L-8 Basin Aquifer Storage and Recovery (K Part 2)** includes ASR wells with a capacity of 50 million gallons per day and associated pre- and post- water quality treatment to be constructed within the L-8 Basin or along the City of West Palm Beach water supply conveyance and storage system or a combination of both. The initial design of the wells assumed 10 wells, each with a capacity of 5 million gallons per day with chlorination for pre-treatment and aeration for post-treatment. During periods when the West Palm Beach Catchment Area is above desirable stages, 50 million gallons per day will be diverted to Lake Mangonia for storage in the ASR wells.

Current Status: This project has not yet begun.

Est. Cost: \$ 233,009,000

Project Schedule: TBD

Detailed Project Budget Information (rounded):

North Palm Beach County - Part 2	Expenditures Thru FY 2009
USACE	\$0
SFWMD	\$0
Total	\$0

