Project Name: **C&SF: CERP C-43 Basin Aquifer Storage and Recovery (D P2)**
Caloosahatchee River Aquifer Storage and Recharge Project (C-43ASR)
Project ID: 1205 (CERP Project WBS # 05)
Lead Agency: USACE / SFWMD
Authority: Not authorized
Funding Source: Federal/State

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

Measurable Output(s): 220 million gallons a day of ASR wells *(0.220 billion gallons per day)*

April 1999 (Restudy) Project Synopsis: Initially described with an above-ground reservoir(s) with a total storage capacity of approximately 160,000 acre-feet and aquifer storage and recovery wells with a capacity of approximately 220 million gallons per day and associated pre- and post- water quality treatment was to be located in the C-43 Basin in Hendry, Glades, or Lee Counties. The original design of the reservoir(s) assumed 20,000 acres (water levels fluctuating up to 8 feet above grade). Excess runoff from the C-43 Basin and Lake Okeechobee flood control discharges will be pumped into the proposed reservoir. Water from the reservoir will be injected into the aquifer storage and recovery well field for long-term storage. Any estuarine demands, not met by basin runoff and the aquifer storage and recovery wells, will be met by Lake Okeechobee as long as the lake stage is above a pre-determined level.

Current Project Synopsis: The original Caloosahatchee (C-43) Basin Storage Reservoir and Aquifer Storage and Recovery (ASR) project (component D in CERP) has since been divided into two separate projects. This latter ASR portion is now a distinct project (D P2); and is described apart from its prior association with Caloosahatchee River (C-43) West Basin Storage Reservoir (USACE WBS #4 and Task Force #1109). The purpose of the ASR feature is to capture C-43 Basin runoff and releases from Lake Okeechobee. Facilities will be designed for water supply benefits, some flood attenuation, to provide environmental water supply deliveries to the Caloosahatchee Estuary, and water quality benefits to reduce salinity and nutrient impacts of runoff to the estuary. It is assumed that, depending upon the location of the facility and pollutant loading conditions within the watershed, the facility could be designed to achieve significant water quality improvements, consistent with appropriate pollution load reduction targets.

Current Status: This project represents the ASR portion (D P2). This project has not yet begun and is planned in the future.

Est. Cost: $ 304,185,000

Project Schedule: TBD (ASR construction complete)

Detailed Project Budget Information (rounded):

C-43 Basin ASR	Expenditures Thru FY 2009
USACE	$0
SFWMD	$0
Total	**$0**

Hyperlink: http://www.evergladesplan.org/pm/projects/proj_05_c43_asr_2.cfm

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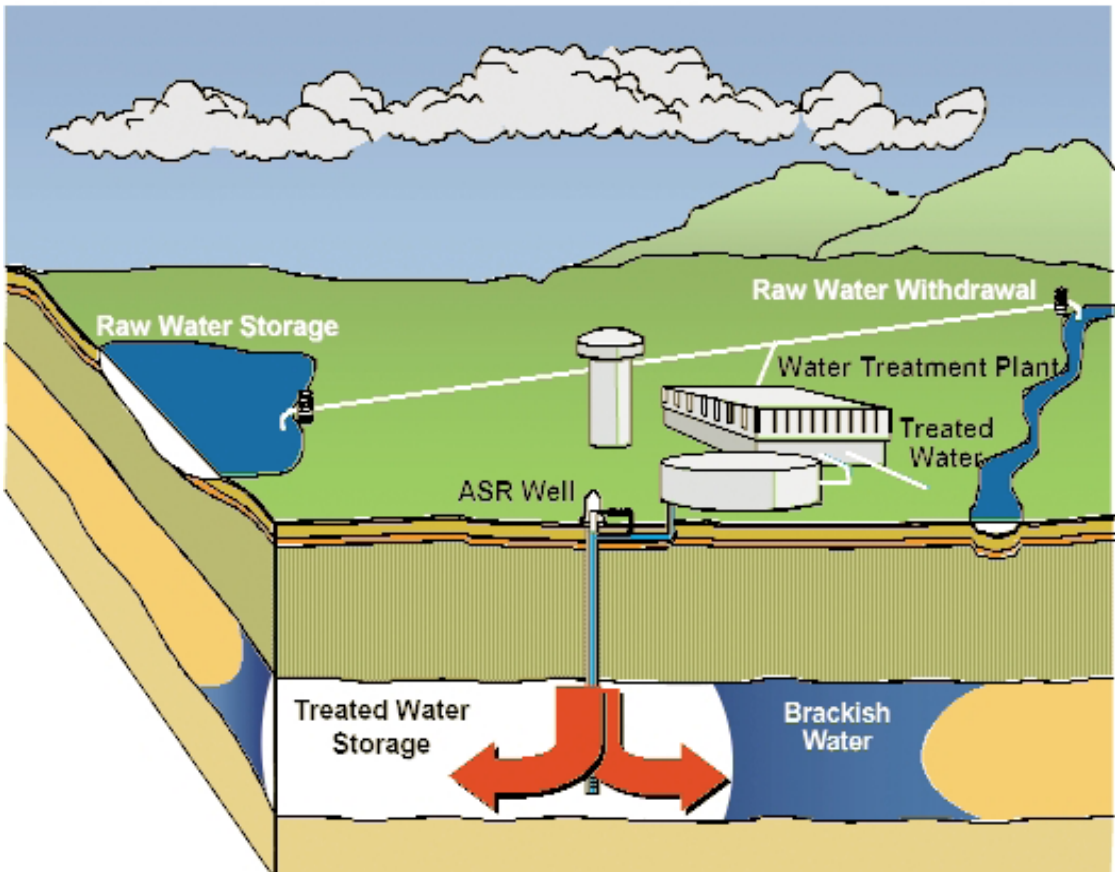
Source: Original project description summarized from the *Central and Southern Florida Project Comprehensive Review Study (Restudy) (1999).* Cost estimate information is updated to reflect current price levels in October 2009 dollars.