

Project Name: C&SF: CERP Acme Basin B Discharge (OPE)
Project ID: 2306 (CERP Project WBS # 38)
Lead Agency: USACE / SFWMD
Authority: WRDA 2000 (*Programmatic Authority < \$25 M*)
Funding Source: Federal/State

Strategic Plan Goal(s) Addressed: Primary: 2-A.3

Secondary: 3-C.2

Measurable Output(s):

365-acre constructed upland/wetland mosaic improved

17,000 acre-feet (ac-ft) per year recaptured for reuse

1,000 acre-feet per year supplement to Lake Worth Drainage District municipal water supply

14,000 acre-feet per year of water conveyance to WCA-2, WCA-3, Everglades National Park, and Shark River Slough

April 1999 (Restudy) Project Synopsis: The concept includes construction of a wetland or chemical treatment area and a storage reservoir with a combined total storage capacity of 3,800 acre-feet located adjacent to the Loxahatchee National Wildlife Refuge in Palm Beach County. Stormwater runoff from Acme Basin "B" will be pumped into the wetland treatment area and then into the storage reservoir, until such time as the water can be discharged into the Loxahatchee National Wildlife Refuge if water quality treatment criteria is met, or into the one of two alternative locations: the Palm Beach County Agricultural Reserve Reservoir (VV) or the combination above-ground and in-ground reservoir area located adjacent to the L-8 Borrow Canal and north of the C-51 Canal (GGG).

Current Project Synopsis: Acme Basin B encompasses approximately 8,680 acres of low-density development with the primary land uses being rural residential lots and nurseries with a substantial presence of stables and other equestrian uses. The primary goal of the Acme Basin B Discharge project is to provide surface water to the refuge that would otherwise be routed through Basin A to C-51 and lost to tide.

In the time period between the Restudy and the start of the Acme Basin B Discharge Project Implementation Report (PIR), the land the Restudy had envisioned for a reservoir was sold to a developer. Thus, due to real estate cost increases, the project changed from an on-site water quality treatment project to a water conveyance project to an off-site water quality treatment area (STA 1E).

Current Status: The SFWMD has decided to work with local interests to expedite design and construction of the Acme Basin B Discharge project, outside the CERP.

Est. Cost: \$ 24,241,000

Project Schedule:

2002 Planning begun.

TBD Construction completed.

Detailed Project Budget Information (rounded):

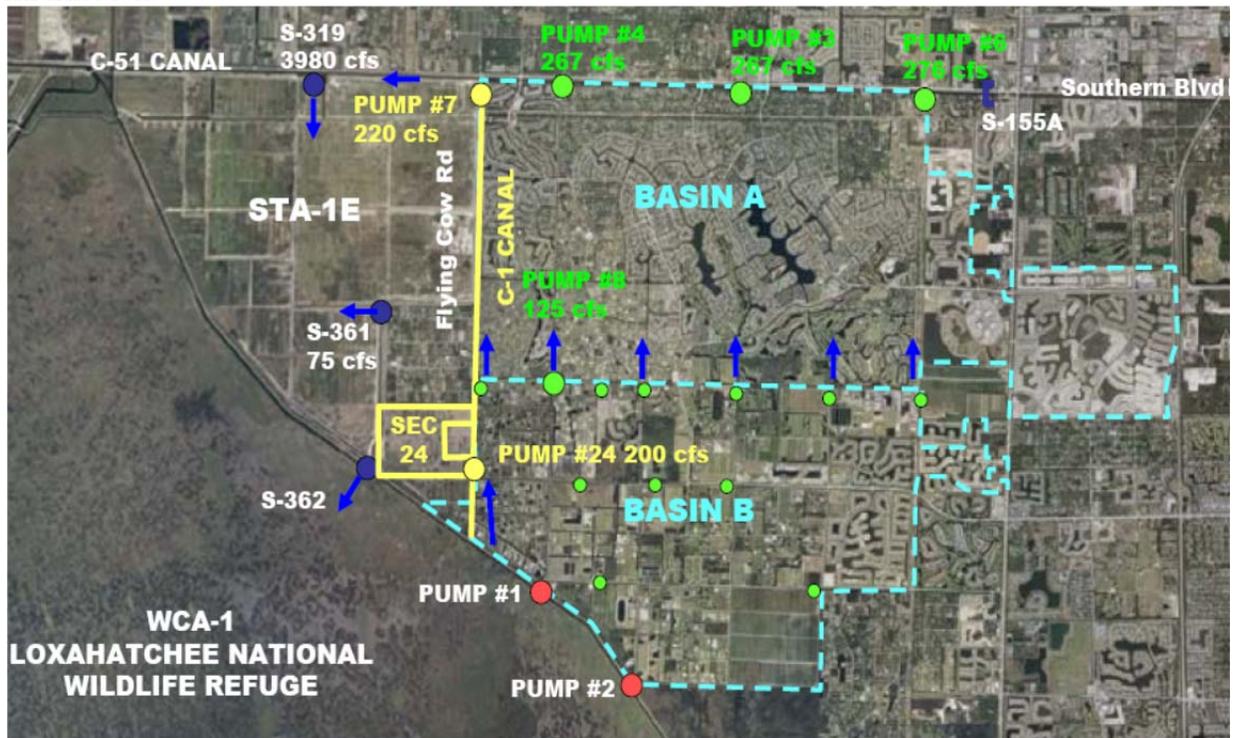
Acme Basin B Discharge	Expenditures Thru FY 2011
USACE	\$2,238,400
SFWMD	\$631,875
Total	\$2,870,275

Hyperlinks: http://www.evergladesplan.org/pm/projects/proj_38_acme.cfm
https://my.sfwmd.gov/portal/page?_pageid=1855,2831593,1855_2830635&_dad=portal&_schema=PORTAL&navpage=abbd

Contact: Jeff Couch, Okeechobee Section Chief, Everglades Division, USACE
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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. Actual expenditures include all federal expenditures through FY09 (Sept, 2009) and sponsor verified and recorded in kind credit through 4th quarter FY07.

Additional Information:



Acme Basin B is one of two primary drainage basins within the Acme Improvement District (AID). The AID, a dependent district to the Village of Wellington, is located in central Palm Beach County, Township 43South and 44 South, Range 41 East. Acme Basin B boundaries generally follow Pierson Road to the north, Flying Cow Road to the west, the Arthur R. Marshall Loxahatchee National Wildlife Refuge (Refuge) to the southwest and south and Lake Worth Drainage District (LWDD) to the east.

Program Name: Infrastructure
Project Name: **Acme Basin B Discharge** - (Project is being implemented as part of the Long-Term Plan for Achieving Everglades Water Quality Goals)
Project ID: 2306A (CERP Project WBS# 38)
Lead Agency: SFWMD
Authority: Everglades Forever Act (EFA)
Funding Source: State - Long-Term Plan funding

Strategic Plan Goal(s) Addressed: 2.A.3

Measurable Output(s): Improved surface water quality for Everglades Protection Area; 1,028 ac-ft water storage

Project Synopsis: This project redirects runoff from Acme Basin B from direct discharge into WCA-1 (Loxahatchee National Wildlife Refuge) into C-51 and the STA 1E, resulting in improved quality of the water flowing into WCA-1.

The SFWMD proceeded in advance of a PIR to improve Everglades water quality by diverting urban stormwater runoff from the Acme Basin B basin into the C-51 canal and then to STA-1E for treatment. The project includes construction of two new pump stations and improvements to the C-1 canal, which will increase conveyance capacity and connect to the C-51 canal.

All of this work and all funding for this work is part of the Long-Term Plan.

Current Status: Phase 1 has been completed and included construction of Pump Station #7 and C-1 canal conveyance improvements. The Phase 2 design of the Section 24 Impoundment and Pump Station #9 has been completed. SFWMD work is complete.

Total Estimated Project Cost: \$41,621,545

Scheduled Construction Start Date: June 2006 (Phase 1)
Scheduled Project Completion Date: December 2007 (Phase 1)

Scheduled Construction Start Date: February 2009 (Phase 2)
Scheduled Project Completion Date: June 2010 (Phase 2)

Actual Expenditures to date by SFWMD*:

	Thru 2007	2008	2009	2010	2011	Total
SFWMD	\$11,089,625	\$3,984,526	\$5,388,306	\$7,408,503	\$115,000	\$27,985,960

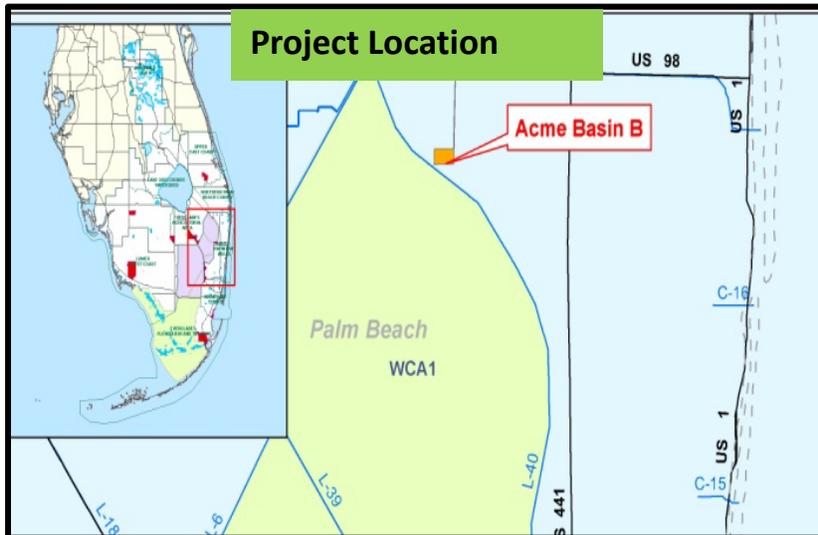
*Credit for expedited project work subject to inclusion in authorized Federal project. Amount estimated subject to credit once project is authorized, and authorization has been given to credit work accomplished prior to signing of a PCA.

Hyperlink:

http://my.sfwmd.gov/portal/page/portal/pg_grp_sfwmd_sfer/portlet_prevreport/2011_sfer/v1/chapters/v1_ch8.pdf

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Contact: Jorge A. Jaramillo, SFWMD



The Section 24 Impoundment shown above was part of Phase 2 of the Acme Basin B Discharge Expedited Project and was completed in June 2010.

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Acme Basin B Phase I Pump Station #7 was completed in December 2007.