

# Appendix 1-4: Comprehensive Everglades Restoration Plan Annual Report – 470 Report

Wanda Caffie-Simpson, Matthew Morrison  
and Steve Poonaisingh

Contributors: Angela Carney<sup>1</sup>, Stacey Feken<sup>2</sup>,  
Sheryl Jones<sup>3</sup>, Bonnie Lawhon<sup>1</sup> and Ray Linch<sup>1</sup>

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## INTRODUCTION

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The Comprehensive Everglades Restoration Plan (CERP) Annual Report (also known as the CERP 470 Report) is required to provide oversight and accountability for financial commitments under the Everglades restoration legislation, and to record progress of the CERP implementation, in accordance with Section 373.470(7), Florida Statutes (F.S.). This report is prepared annually by the South Florida Water Management District (SFWMD or District) in cooperation with the Florida Department of Environmental Protection (FDEP), and is made available to the legislature and public as part of the *2012 South Florida Environmental Report (SFER) – Volume I*. The CERP Annual Report fulfills statutory reporting requirements, providing CERP financial updates for Fiscal Year 2011 (FY2011) (October 1, 2010–September 30, 2011) and the status on the CERP implementation. The report is divided into three parts (A, B, and C), paralleling the content requirement outlined in the statute.

Similar to previous SFERs, Parts (A) and (B) in this year's report provide an update on District and FDEP fund appropriations and expenditures related to the CERP Program. Information is provided on the Florida Forever Trust Fund, the Save Our Everglades Trust Fund, and other funding sources used for CERP projects, components, features, or facilities that benefit CERP. Additionally, itemized expenditures related to CERP implementation are presented, along with the purpose for which the funds were expended, the unencumbered fund balance remaining for CERP implementation, and the schedule of anticipated expenditures for the next fiscal year (FY2012). As FDEP fund appropriations, revenues, and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) is also included. Reporting information for NEEPP is presented in Appendix 8-1 of this volume.

Part (C) in this year's report provides an overview of the CERP implementation by reviewing the progression of each project or component through the CERP implementation process. Additionally, highlights of key CERP activities occurring during the reporting cycle are provided. To further streamline annual reporting, project specific details such as descriptions, project

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<sup>1</sup> Florida Department of Environmental Protection, Bureau of Finance and Accounting, Tallahassee, FL

<sup>2</sup> Florida Department of Environmental Protection, Office of Ecosystem Projects, Tallahassee, FL

<sup>3</sup> Florida Department of Environmental Protection, Division of State Lands, Tallahassee, FL

schedules, fiscal year milestones, and accomplishments are available in the SFER Consolidated Project Report Database at [www.sfwmd.gov/SFER](http://www.sfwmd.gov/SFER). Further reporting information on CERP is also available at [www.evergladesplan.org](http://www.evergladesplan.org) and [www.sfstore.org/documents/index.html](http://www.sfstore.org/documents/index.html).

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## **PART (A) FUNDS – SFWMD AND FDEP**

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### **BACKGROUND**

Pursuant to Section 373.470(7)(a), F.S., Part (A) of the CERP Annual Report contains fiscal-year information on revenues, expenditures, fund balance, and anticipated expenditures related to CERP implementation. This is summarized in **Tables 1** through **4** as follows:

- **Table 1:** FY2011 revenues
- **Table 2:** FY2011 expenditures
- **Table 3:** FY2011 unencumbered fund balance remaining in trust funds or other accounts
- **Table 4:** Anticipated expenditures for the next fiscal year, FY2012

Only revenues, expenditures, and unencumbered balances dedicated to CERP are included in these tables. The financial information contained in this annual report is taken from unaudited FY2011 records. Audited FY2011 information is scheduled to be available during the second quarter of FY2012. Any changes to the financial information presented in this appendix will be reflected in the District's Comprehensive Annual Financial Report and in future CERP Annual Reports. No federal revenues or expenditures are shown in these schedules.

The District is funding its share of CERP with revenues from several sources, the largest portion of which is composed of *ad valorem* taxes. Other sources include, but are not limited to, state appropriations, investment earnings on available cash balances, contributions from local governments, mitigation revenues, long-term debt, and Florida Forever Program funds (for additional information, see Volume II, Chapter 6A).

### **BASIS OF PRESENTATION**

Accounting principles, policies, and practices of both the District and the FDEP conform to generally accepted accounting principles (GAAPs) for state and local governments, and are structured in accordance with the Government Accounting Standards Board requirements. GAAPs require the use of fund accounting. A fund is a separate fiscal and accounting entity having a self-balancing set of accounts. Fund accounting is designed to segregate transactions related to certain functions or activities to ensure resources are applied to finance the activities and objectives for which the resources are received and to show compliance with legal and contractual obligations.

**Table 1.** Comprehensive Everglades Restoration Plan (CERP) revenues for Fiscal Year 2011 (FY2011) (October 1, 2010–September 30, 2011)<sup>1</sup>.

Source	SFWMD <sup>2</sup>	FDEP <sup>3</sup>	Other Local Sponsors	Total
Save Our Everglades Trust Fund:				
Bond Proceeds				
Documentary Stamp Taxes (for Debt Service)		\$14,228,207		\$14,228,207
Transfer-Water Management Lands Trust Fund		\$10,000,000		\$10,000,000
Investment Earnings (net)		\$1,254,235		\$1,254,235
<b>Save Our Everglades Trust Fund – Total</b>		<b>\$25,482,442</b>		<b>\$25,482,442</b>
Ad Valorem Resources	\$96,229,901			\$96,229,901
Investment Earnings	\$1,825,587			\$1,825,587
Water Management Lands Trust Fund				
Florida Forever Trust Fund	\$14,978,016	\$807,015		\$15,785,031
State Appropriations	\$320,071			\$320,071
Alligator Alley Toll Revenues	\$169,201			\$169,201
Lease Revenues	\$989,365			\$989,365
Miscellaneous Revenues	\$199,649			\$199,649
<b>Total Revenues</b>	<b>\$114,711,790</b>	<b>\$26,289,457</b>	<b>N/A</b>	<b>\$141,001,247</b>

<sup>1</sup> Federal revenues are not listed in this table.<sup>2</sup> This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.<sup>3</sup> This information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP).

**Table 2.** CERP expenditures for FY2011<sup>1,2</sup>.

<b>Projects</b>	<b>Total Expenditures</b>
<b>Local Sponsor - SFWMD<sup>3,4</sup></b>	
<b>Pilot Projects</b>	
Lake Okeechobee ASR Pilot	\$0
Caloosahatchee (C-43) River ASR Pilot	\$0
Hillsboro ASR Pilot	\$63,995
ASR Regional Study	\$285,931
Lake Belt In-Ground Reservoir Technology Pilot	\$0
L-31N Seepage Management Pilot	\$58,252
Wastewater Reuse Technology Pilot	\$0
<b>Kissimmee River and Lake Okeechobee Region</b>	
Lake Okeechobee Watershed	\$119,086
Lake Istokpoga Regulation Schedule	\$0
Lake Okeechobee Aquifer Storage and Recovery	\$0
<b>Caloosahatchee River Region</b>	
C-43 Basin Storage Reservoir – Part 1	\$446,795
C-43 Basin Aquifer Storage and Recovery – Part 2	\$0
Caloosahatchee Backpumping with Stormwater Treatment	\$0
<b>Upper East Coast Region</b>	
Indian River Lagoon – South / C-44 Reservoir and STA	\$9,574,307
<b>Everglades Agricultural Area</b>	
River of Grass	\$194,904,375
Everglades Agricultural Area Storage Reservoirs – Phase 1	\$0
EAA Bolles and Cross Canals	\$0
Everglades Agricultural Area Storage Reservoirs – Phase 2	\$0
<b>Big Cypress Region</b>	
Big Cypress/L-28 Interceptor Modifications	\$0
<b>Water Conservation Areas and Everglades Region</b>	
Flow to NW and Central WCA 3A	\$0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$938,688
WCA-3 Decomp and Sheetflow Enhancement – Part 2	\$0
ENP Seepage Management	\$1,137
Loxahatchee National Wildlife Refuge Internal Canal Structures	\$0
Modify Holey Land Wildlife Management Area Operation Plan	\$0
Modify Rotenberger Wildlife Management Area Operation Plan	\$0
Melaleuca Eradication and Other Exotic Plants	\$65,531

**Table 2.** Continued.

<b>Projects</b>	<b>Total Expenditures</b>
<b>Lower East Coast Region</b>	
Loxahatchee River Watershed (formerly North Palm Beach County) – Part 1	\$2,362,470
Loxahatchee River Watershed (formerly North Palm Beach County) – Part 2	\$0
ACME Basin B Discharge	\$0
Strazzulla Wetlands	\$0
Site 1 Impoundment	\$457,258
Broward County WPA	\$313,780
C-11 Impoundment	\$0
C-9 Impoundment	\$0
WCA-3A/3B Seepage Management	\$0
C-4 Structure	\$0
Bird Drive Recharge Area	\$798
PBC Agriculture Reserve Reservoir – Part 1	\$0
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2	\$0
Hillsboro Aquifer Storage & Recovery – Part 2	\$0
Diverting WCA Flows to CLB to Downstream Natural Areas	\$0
Broward Co. Secondary Canal System	\$0
North Lake Belt Storage Area	\$0
Central Lake Belt Storage Area	\$0
Everglades National Park Seepage Management	\$0
Biscayne Bay Coastal Wetlands	\$13,089,838
C-111 Spreader Canal	\$14,414,628
<b>Southwestern Florida Region</b>	
Picayune Strand (Southern Golden Gate Estates) Hydrologic Restoration	\$4,508,151
<b>Florida Bay and Florida Keys Region</b>	
Florida Keys Tidal Restoration	\$0
<b>Critical Restoration Projects</b>	
Ten Mile Creek	\$71,561
Western Tamiami Trail Culverts	\$0
Western C-4 Water Control Structures	\$0
Southern Crew/Imperial River Flow-way	\$7,307,998
Lake Trafford Restoration	\$1,446,692
Lake Okeechobee Water Retention/Phosphorus Removal	\$88,716
Western C-11 Water Quality Improvement	\$0
Critical Restoration Program Controls	\$0

**Table 2.** Continued.

<b>Projects</b>	<b>Total Expenditures</b>
<b>Reconnaissance, Feasibility, and Planning Studies</b>	
Southwest Florida Feasibility Study	\$28,184
Florida Bay and Florida Keys Feasibility Study	\$0
Indian River Lagoon Feasibility Study	\$0
Water Preserve Areas Feasibility Study	\$0
<b>Monitoring and Evaluation</b>	
RECOVER	\$288,667
Adaptive Assessment and Monitoring	\$2,757,706
<b>Program Management and Support</b>	
Program Management	\$5,439,216
Program Support <sup>5</sup>	\$37,404,728
Program Controls	\$0
Public Involvement and Outreach	\$1,545
Environmental and Economic Equity	\$0
Data Management	\$1,257,508
Interagency Modeling Center	\$586,733
Master Recreation Plan	\$0
Programmatic Regulations	\$0
<b>CERP Pre-Cursors</b>	
C-111 Project Implementation	\$796,720
<b>Other Local Sponsors<sup>6</sup></b>	
Comprehensive Integrated Water Quality Feasibility Study (FDEP)	\$26,980
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A
Henderson Creek/Belle Meade Restoration (FDEP)	N/A
Lakes Park Restoration (Lee County)	N/A
Winsburg Farms Wetlands Restoration (Palm Beach County)	N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A
Restoration of Pineland & Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A
<b>Total</b>	<b>\$299,107,974</b>

<sup>1</sup> Federal expenditures are not listed in this table.

<sup>2</sup> Refer to Table 5, Expenditures By Project for actual funds reimbursed by FDEP during FY2011.

<sup>3</sup> Project expenditures include indirect costs that are charged to the program by applying a federally approved rate to direct salaries.

<sup>4</sup> This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.

<sup>5</sup> Includes debt service for SFWMD of \$15,743,641 on the 2006 series Certificates of Participation to fund project construction; and debt service and administrative costs for existing bonds issued by FDEP for both CERP and NEEPP projects.

<sup>6</sup> For local sponsors other than the SFWMD, "N/A" indicates the information is not available.

**Table 3.** CERP unencumbered fund balance for FY2011<sup>1</sup>.

	SFWMD <sup>2</sup>	FDEP <sup>5</sup>	Other Local Sponsors	Total
<b>Fund Balance as of October 1, 2010<sup>3</sup></b>	<b>\$241,990,993</b>	<b>\$41,982,737</b>	<b>N/A</b>	<b>\$283,973,730</b>
Add: Revenues	\$114,711,790	\$26,289,457	N/A	\$141,001,247
Less: Expenditures	(\$263,617,026)	(\$23,584,263)	N/A	(\$287,201,289)
<b>Fund Balance as of September 30, 2011<sup>3</sup></b>	<b>\$93,085,757</b>	<b>\$44,687,932</b>	<b>N/A</b>	<b>\$137,773,689</b>
Less: Encumbrances - as of September 30, 2011	(\$1,726,172)	(\$57,813)	N/A	(\$1,783,985)
Less: Designated Fund Balance <sup>4</sup>	(\$21,695,927)	(\$0)	N/A	(\$21,695,927)
Add: Fund Balance Reserved for Encumbrances as of September 30, 2011	\$0	\$0	N/A	\$0
<b>Unencumbered Balance as of September 30, 2011</b>	<b>\$69,663,658</b>	<b>\$44,630,119</b>	<b>N/A</b>	<b>\$114,293,777</b>

<sup>1</sup> Federal expenditures are not included in this table.<sup>2</sup> This information is being presented prior to the completion of the SFWMD annual audit and is subject to further adjustments.<sup>3</sup> Fund balance figures for SFWMD include the CERP Ad Valorem Fund, Other Creditable CERP Fund and CERP capital construction fund.<sup>4</sup> This represents the CERP *ad valorem* portion of fund balance designated to fund the following year's budget.<sup>5</sup> The information for FDEP reflects the Save Our Everglades Trust Fund in its entirety, including funding to be used for NEEPP implementation.

**Table 4.** CERP anticipated expenditures for FY2012<sup>1</sup>.

	<b>Total Anticipated Expenditures<sup>4</sup></b>
<b>Local Sponsor - South Florida Water Management District</b>	
<b>Pilot Projects</b>	
Lake Okeechobee ASR Pilot	\$0
Caloosahatchee (C-43) River ASR Pilot	\$0
Hillsboro ASR Pilot	\$55,307
ASR Regional Study	\$21,496
Lake Belt In-Ground Reservoir Technology Pilot	\$0
L-31N Seepage Management Pilot	\$79,655
Wastewater Reuse Technology Pilot	\$0
<b>Kissimmee River and Lake Okeechobee Region</b>	
Lake Okeechobee Watershed	\$14,253
Lake Istokpoga Regulation Schedule	\$0
Lake Okeechobee Aquifer Storage and Recovery	\$0
<b>Caloosahatchee River Region</b>	
C-43 Basin Storage Reservoir – Part 1	\$241,476
C-43 Basin Aquifer Storage and Recovery – Part 2	\$0
Caloosahatchee Backpumping with Stormwater Treatment	\$0
<b>Upper East Coast Region</b>	
Indian River Lagoon – South (Includes C-44 Reservoir / STA)	\$6,583,543
C-44 Reservoir / STA	\$0
<b>Everglades Agricultural Area</b>	
River of Grass	\$69,029
Everglades Agricultural Area Storage Reservoirs – Phase 1	\$0
EAA Bolles and Cross Canals	\$0
Everglades Agricultural Area Storage Reservoirs – Phase 2	\$0
<b>Big Cypress Region</b>	
Big Cypress/L-28 Interceptor Modifications	\$0
<b>Water Conservation Areas and Everglades Region</b>	
Flow to NW & Central WCA 3A	\$0
WCA-3 Decomp and Sheetflow Enhancement – Part 1	\$285,818
WCA-3 Decomp and Sheetflow Enhancement – Part 2	\$0
ENP Seepage Management	\$0
Loxahatchee National Wildlife Refuge Internal Canal Structures	\$0
Modify Holey Land Wildlife Management Area Operation Plan	\$0
Modify Rotenberger Wildlife Management Area Operation Plan	\$0
Melaleuca Eradication and Other Exotic Plants	\$9,592

**Table 4.** Continued.

	<b>Total Anticipated Expenditures</b>
<b>Lower East Coast Region</b>	
Loxahatchee River Watershed (formerly North Palm Beach County – Part 1)	\$38,931,928
Loxahatchee River Watershed (formerly North Palm Beach County – Part 2)	\$0
Strazzulla Wetlands	\$0
Site 1 Impoundment	\$35,000
Broward County WPA	\$110,479
C-11 Impoundment	\$0
C-9 Impoundment	\$0
WCA-3A/3B Seepage Management	\$0
C-4 Structure	\$0
Bird Drive Recharge Area	\$0
PBC Agriculture Reserve Reservoir – Part 1	\$0
PBC Agriculture Reserve Aquifer Storage & Recovery – Part 2	\$0
Hillsboro Aquifer Storage & Recovery – Part 2	\$0
Diverting WCA Flows to CLB to Downstream Natural Areas	\$0
Broward Co. Secondary Canal System	\$0
North Lake Belt Storage Area	\$0
Central Lake Belt Storage Area	\$0
Everglades National Park Seepage Management	\$0
Biscayne Bay Coastal Wetlands	\$550,706
C-111 Spreader Canal	\$1,219,084
<b>Southwestern Florida Region</b>	
Picayune Strand (Southern Golden Gate Estates) Hydrologic Restoration	\$897,795
<b>Florida Bay and Florida Keys Region</b>	
Florida Keys Tidal Restoration	\$0
<b>Critical Restoration Projects</b>	
Ten Mile Creek	\$801,164
Western Tamiami Trail Culverts	\$0
Western C-4 Water Control Structures	\$0
Southern Crew/Imperial River Flow-ways	\$907,337
Lake Trafford Restoration	\$0
Lake Okeechobee Water Retention/Phosphorus Removal	\$666,580
Western C-11 Water Quality Improvement	\$0
Critical Restoration Project Implementation Support	\$0

**Table 4.** Continued.

	<b>Total Anticipated Expenditures</b>
<b>Reconnaissance, Feasibility and Planning Studies</b>	
Southwest Florida Feasibility Study	\$12,187
Florida Bay and Florida Keys Feasibility Study	\$0
Indian River Lagoon Feasibility Study	\$0
Water Preserve Areas Feasibility Study	\$0
<b>Monitoring and Evaluation</b>	
RECOVER	\$120,858
Adaptive Assessment and Monitoring	\$1,137,758
<b>Program Management and Support</b>	
Program Management and Support	\$12,165,742
Geodetic Vertical Control Surveys	\$0
Program Controls	\$0
Public Involvement and Outreach	\$0
Environmental and Economic Equity	\$0
Data Management	\$1,033,309
Master Recreation Plan	\$0
Interagency Modeling Center	\$757,075
Programmatic Regulations	\$0
Project Implementation Support	\$0
Program Indirect Costs <sup>2</sup>	\$4,750,000
Debt Service <sup>3</sup>	\$32,288,217
<b>CERP Pre-Cursors</b>	
C-111 Project Implementation	\$455,155
<b>Other Local Sponsors</b>	
Comprehensive Integrated Water Quality Feasibility Study (FDEP)	\$363,337
Biscayne Bay Feasibility Study (Miami-Dade DERM)	N/A
Seminole Tribe Big Cypress Reservation Water Conservation Plan (Seminole Tribe)	N/A
Henderson Creek/Belle Meade Restoration (FDEP)	\$0
Lakes Park Restoration (Lee County)	N/A
Winsburg Farms Wetlands Restoration (Palm Beach County)	N/A
Miccosukee Water Management Plan (Miccosukee Tribe)	N/A
Restoration of Pineland and Hardwood Hammocks in C-111 Basin (Miami-Dade County)	N/A
West Miami-Dade Reuse (Miami-Dade County)	N/A
South Miami-Dade Reuse (Miami-Dade County)	N/A
<b>Total</b>	<b>\$104,563,880</b>

<sup>1</sup> Federal expenditures are not listed on this table.

<sup>2</sup> Includes the cost of District central service departments (accounting, budget, procurement, etc.) charged to the program by applying a federally approved indirect rate to direct salaries.

<sup>3</sup> Represents budgeted debt service in FY2012 on Certificates of Participation issued in 2006 (FY2007) to fund project construction and debt service on existing bonds issued by FDEP to fund CERP and NEEPP.

<sup>4</sup> Total Anticipated Expenditures include debt service and personal services.

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## **PART (B) FUNDS – FDEP**

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### **BACKGROUND**

Pursuant to Section 373.470(7)(b), F.S., Part (B) of the CERP Annual Report provides a detailed account of all funds expended by the state of Florida toward land acquisition, design and construction for CERP in FY2011. Every CERP project component is or will be described in a Project Implementation Report, and a Project Partnership Agreement subsequently will be executed. The amount of expenditures to be credited toward the state of Florida's share of funding for implementation of CERP will be developed during the detailed design phase and affirmed in the respective Project Partnership Agreements.

**Table 5** provides the FDEP Annual Report for CERP. As FDEP fund appropriations and expenditures reflect the Save Our Everglades Trust Fund in its entirety, funding used for implementation of the Northern Everglades and Estuaries Protection Program (NEEPP) is also included (refer to Appendix 8-1 of this volume for reporting information on NEEPP).

### **BASIS OF PRESENTATION**

The FDEP's accounting policies conform to GAAP for state and local governmental units and are structured in accordance with the Government Accounting Standards Board requirements. The information in these special-purpose financial presentations relates to the general fund and to special revenue funds classified as a governmental fund type. Special revenue funds are used to account for specific revenue sources that are legally restricted to expenditure for specified purposes (see **Table 5**).

**Table 5.** Florida Department of Environmental Protection, CERP, and NEEPP<sup>1</sup> Annual Report for FY2011.

	Save Our Everglades Trust Fund	Florida Forever Trust Fund	Totals
<b>Revenues By Fund Source</b>			
Documentary Stamp Taxes for Debt Service	\$14,228,207		\$14,228,207
Transfer-Water Management Lands Trust Fund	\$10,000,000		\$10,000,000
Florida Forever Trust Fund		\$807,015	\$807,015
Interest Earnings (Net)	1,254,235		\$1,254,235
<b>Total Revenues</b>	<b>\$25,482,442</b>	<b>\$807,015</b>	<b>\$26,289,457</b>
<b>Expenditures By Project<sup>2</sup></b>			
<b>CERP Projects:</b>			
C-43 Basin Storage Reservoir Project (Berry Groves)	\$2,863,068		\$2,863,068
IRL-S / C-44 Basin Storage Reservoir St. Lucie	\$3,679,531		\$3,679,531
IRL-S / C-23/ C-24 Reservoir	(\$3,009,120)		(\$3,009,120)
Biscayne Bay Coastal Wetlands	\$701,982		\$701,982
C-111 Spreader Canal Project	\$7,430,356		\$7,430,356
Fakahatchee Strand		\$58,525	\$58,525
Picayune Strand (Southern Golden Gate Estates) Hydrologic Restoration		\$748,490	\$748,490
Water Quality Feasibility Study	\$26,980		\$26,980
<b>NEEPP Projects:</b>			
Northern Everglades Agricultural Nonpoint Source (NELOCASLDA1)	\$6,000,000		\$6,000,000
Lake Okeechobee Protection Plan (LOP1)	\$9,314,137		\$9,314,137
South Florida Water Management District - Land Purchases (SFLND)	(\$21,265,650)		(\$21,265,650)
St. Lucie River Watershed Projects (SLRWP1)	\$1,165,145		\$1,165,145
<b>CERP and NEEPP:</b>			
Debt Service on Bonds	\$15,658,914		\$15,658,914
Transfer – Administrative Trust Fund	\$211,906		\$211,906
<b>Total Expenditures</b>	<b>\$22,777,248</b>	<b>\$807,015</b>	<b>\$23,584,263</b>
<b>Encumbrances</b>	\$57,813		\$57,813
<b>Total Encumbrances</b>	<b>\$57,813</b>		<b>\$57,813</b>
<b>Excess (Deficiency) of Revenues Over Expenditures and Encumbrances</b>	\$2,647,382		\$2,647,382
<b>Unencumbered Balance as of September 30, 2010</b>	\$41,982,737		\$41,982,737
<b>Fund Balance Reserved for Encumbrances as of September 30, 2010</b>			\$0
<b>Unencumbered Balance as of September 30, 2011</b>	<b>\$44,630,119</b>	<b>\$0</b>	<b>\$44,630,119</b>

<sup>1</sup> Refer to Appendix 8-1 of this volume for information on NEEPP.<sup>2</sup> Expenditures by project reflect trust fund monies issued to SFWMD through the FDEP reimbursement process.

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## **PART (C) – IMPLEMENTATION STATUS**

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### **BACKGROUND**

The Comprehensive Everglades Restoration Plan (USACE and SFWMD, 1999) is a conceptual plan that proposes major modifications to the Central and Southern Florida Project in order to reverse decades of ecosystem decline. Specifically, the plan describes nearly 50 major projects and 68 project components to be constructed at an original cost estimate of \$10.9 billion, in 2004 dollars. Major components of CERP focus on restoring the quantity, quality, timing, and distribution of water for the natural system, and include aquifer storage and recovery, in-ground reservoirs, rainfall-driven operations, removing barriers to sheetflow, seepage management, stormwater treatment areas, surface water storage reservoirs, and water reuse and conservation. The estimated costs for CERP have increased to \$13.5 billion, based on price level (inflation) adjustments to 2009 dollars; and revisions made to scope based on finalized designs for projects such as the Indian River Lagoon – South, Picayune Strand Restoration, Site 1 Impoundment, and C-111 Spreader Canal Western projects ([www.evergladesplan.org/pm/program\\_docs/cerp\\_reports\\_congress.aspx](http://www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx); USACE, 2010). Maps of the CERP projects and components, including pilot projects, are provided in **Figures 1a–1h**.

The timeframe of the Central and South Florida Project Comprehensive Review Study (Restudy) did not permit a thorough investigation of all the regional water resource challenges in South Florida; therefore, several new feasibility studies were proposed. These studies will be conducted under the authority of the Water Resources Development Act of 1996, which allows for the continuation of studies and analyses that are necessary to further the Comprehensive Plan. These studies will investigate conceptual designs developed under the Comprehensive Plan and make regional recommendations for meeting the future needs of agricultural, urban, and environmental users. A map of the CERP Feasibility and Reconnaissance Studies is provided as **Figure 2**. Additional information is available at <http://www.evergladesplan.org/pm/studies/studies.aspx>.

In addition to activities outlined in the plan, several non-CERP projects were under way when the plan was written and are necessary precursors for many CERP projects. This precedence relationship was acknowledged when WRDA 2000 required the completion of certain of these projects before appropriations are made for related CERP restoration projects. A map of the Critical Restoration Projects is provided as **Figure 3**. Additional information is available at [http://www.saj.usace.army.mil/Divisions/Planning/Branches/Environmental/Projects\\_Critical.htm](http://www.saj.usace.army.mil/Divisions/Planning/Branches/Environmental/Projects_Critical.htm).

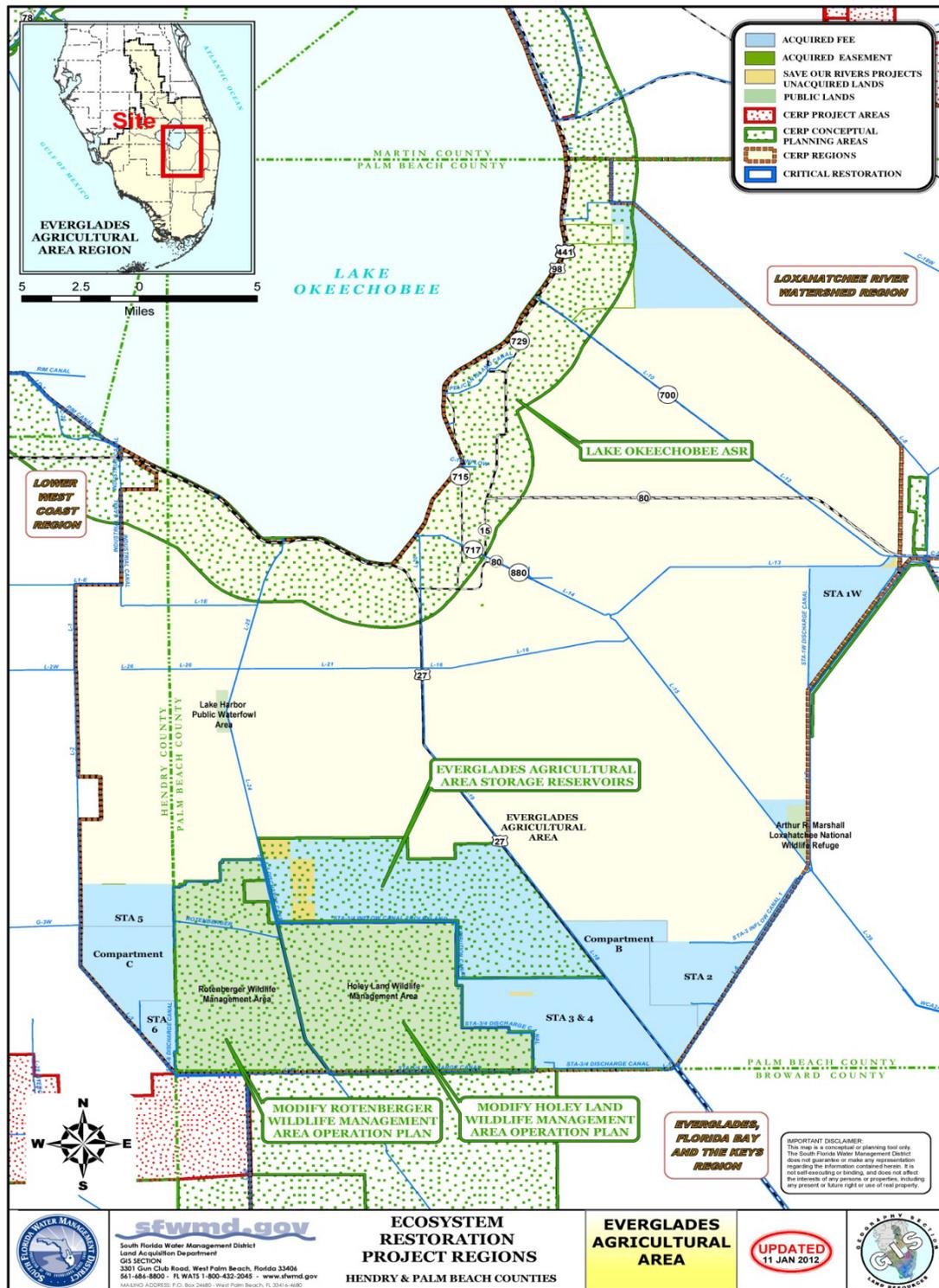
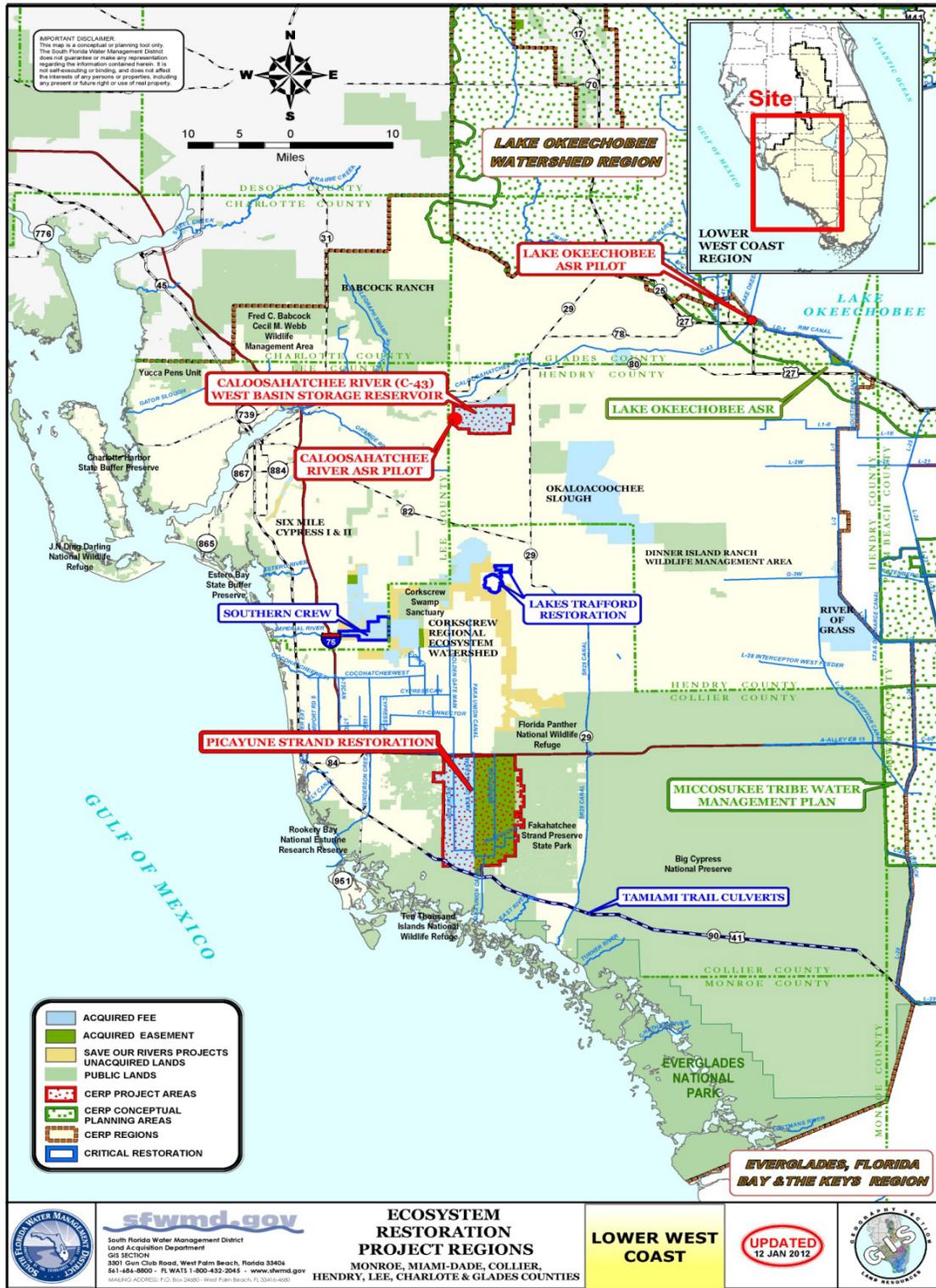


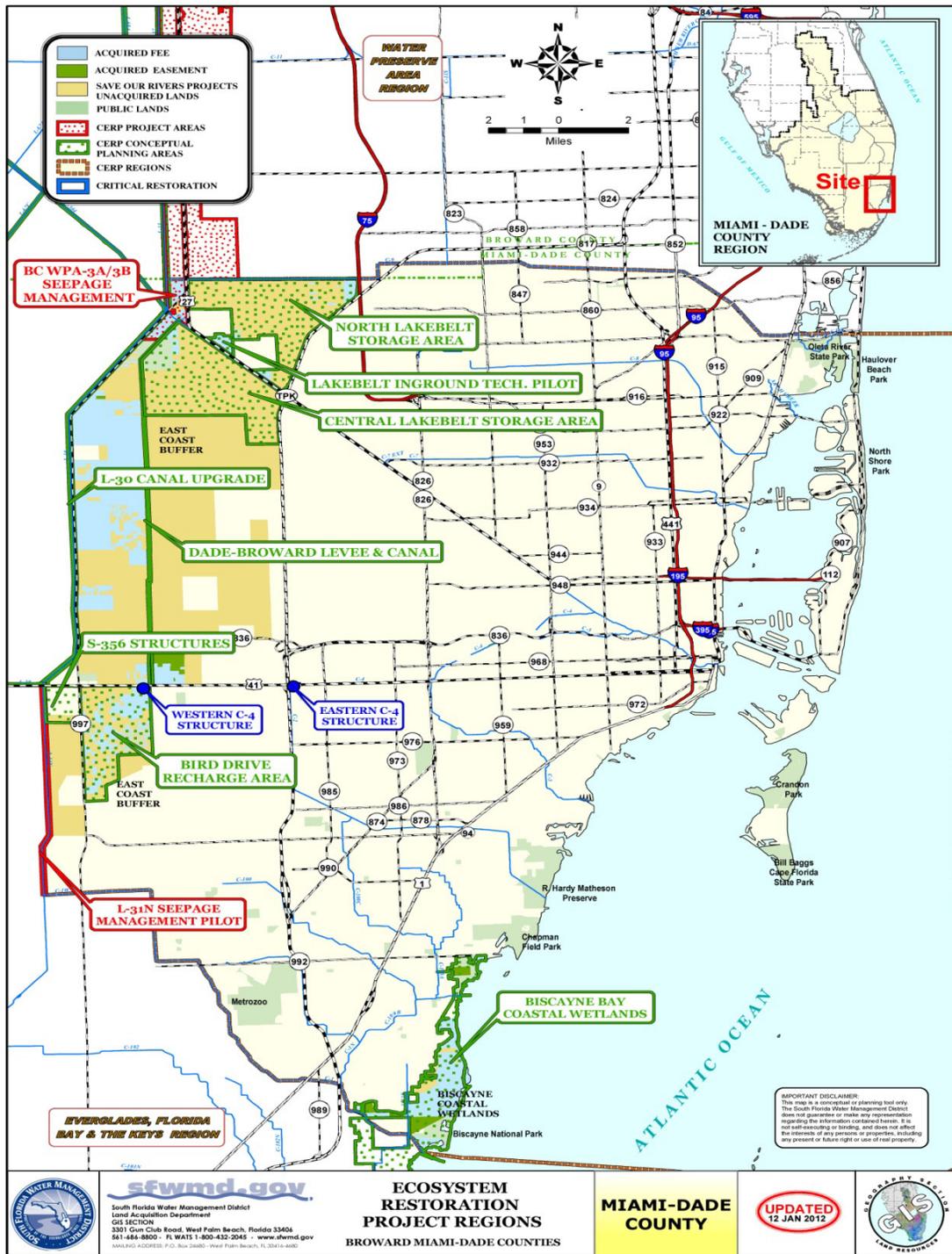
Figure 1a. General location of CERP projects and components, Everglades Agricultural Area region.





**Figure 1c.** General location of CERP projects and components, Lower West Coast region.





**Figure 1e.** General location of CERP projects and components, Miami-Dade County region.

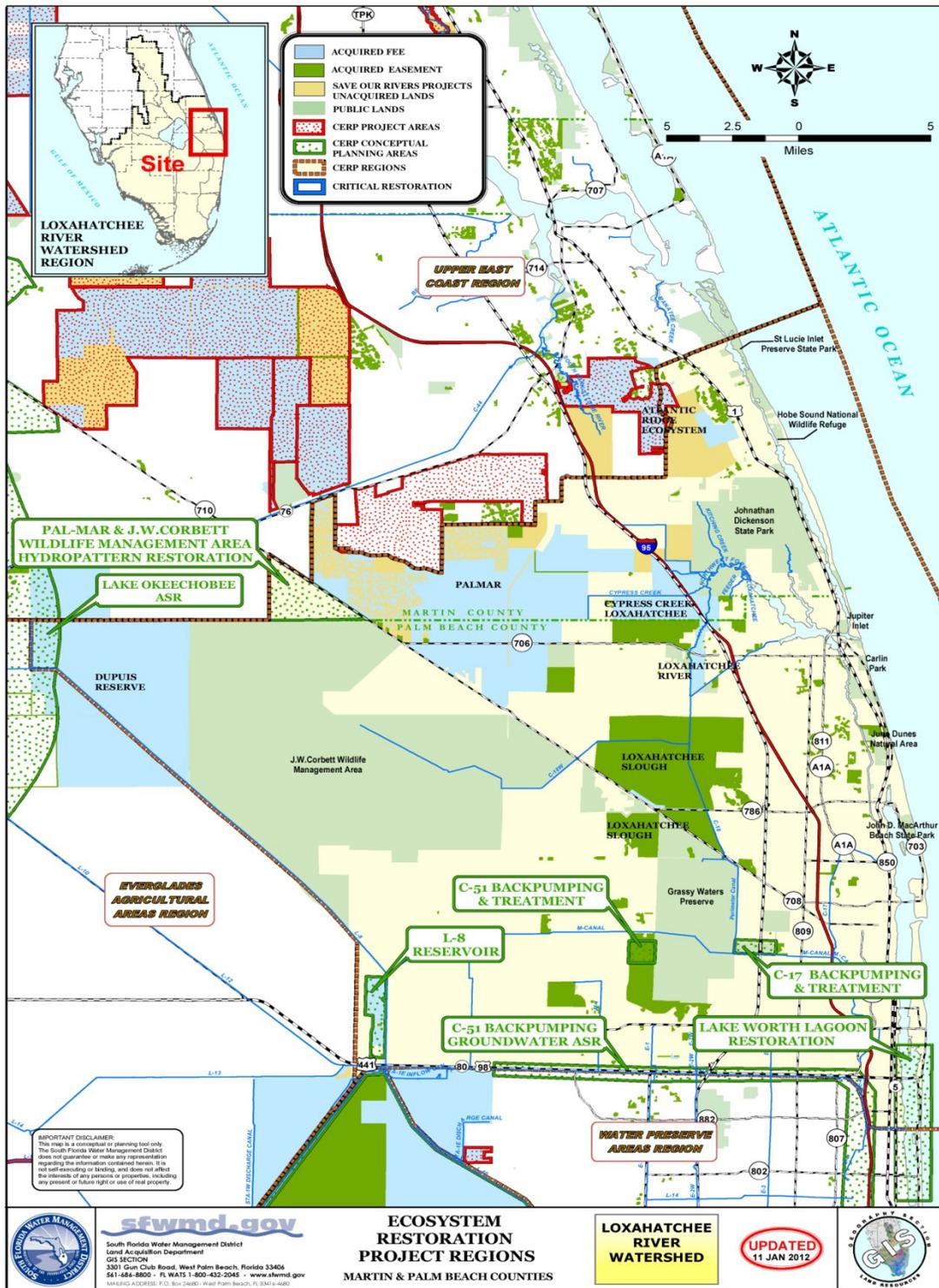
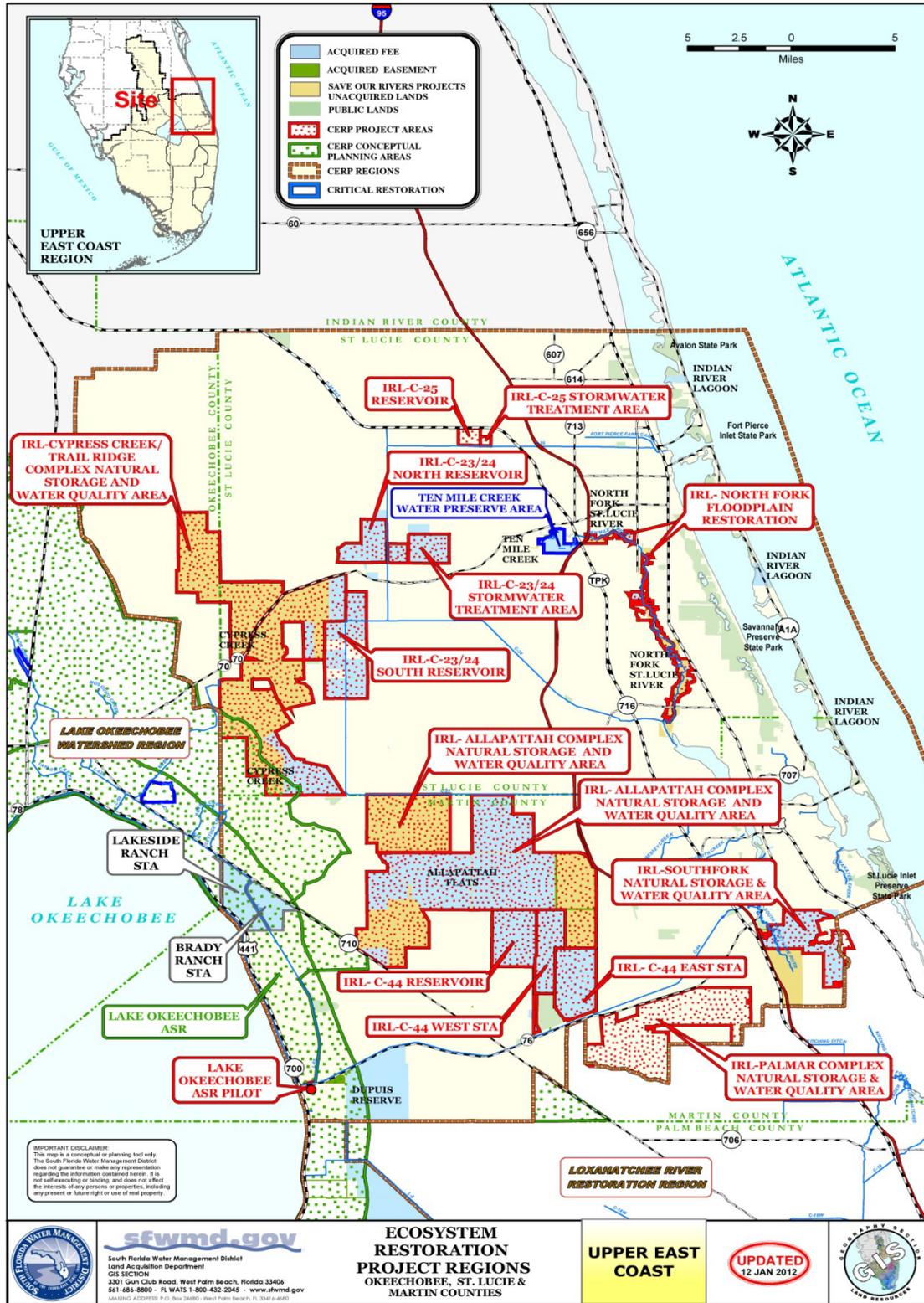


Figure 1f. General location of CERP projects and components, Loxahatchee River Watershed region.



**Figure 1g.** General location of CERP projects and components, Upper East Coast region.

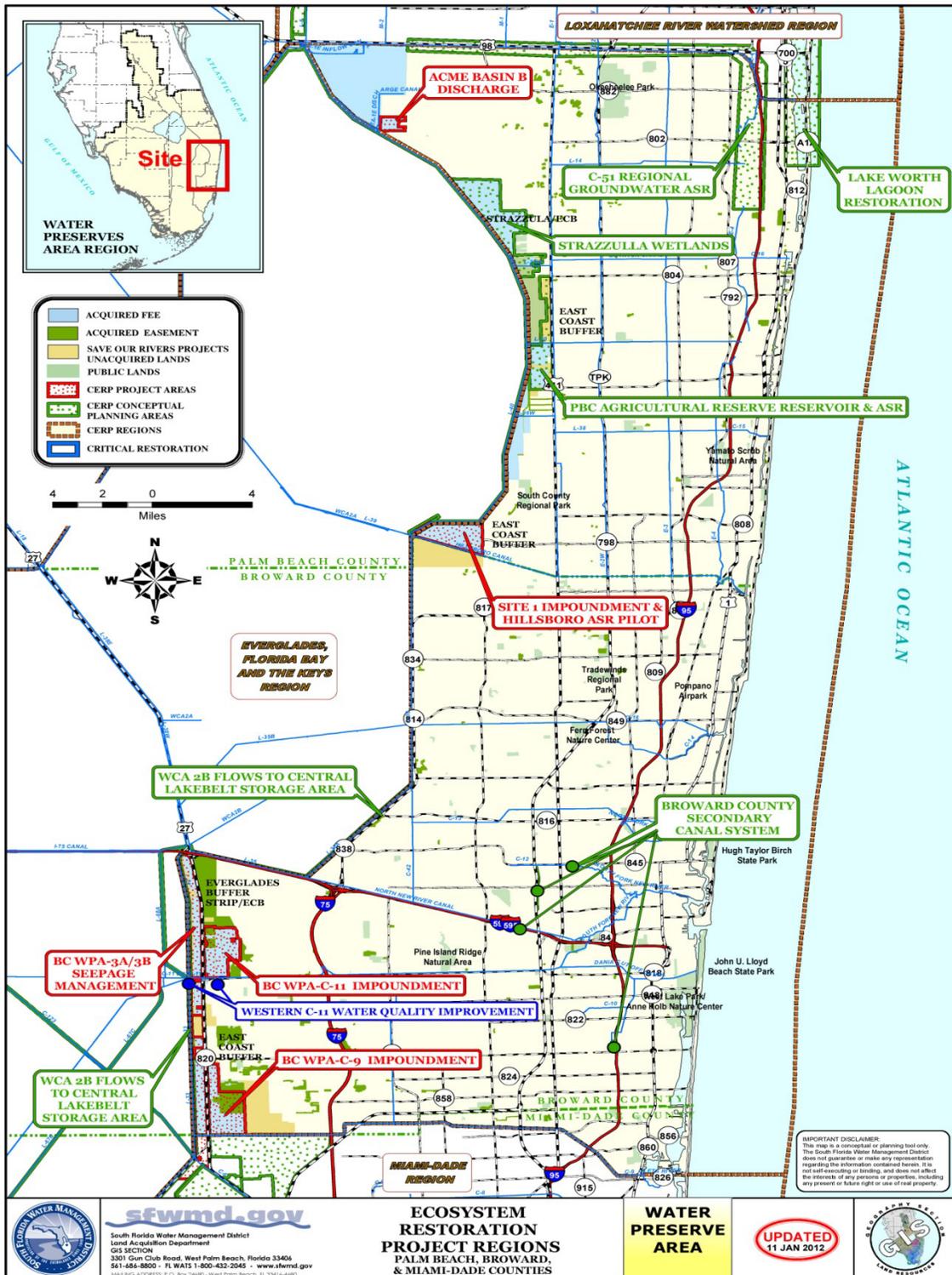
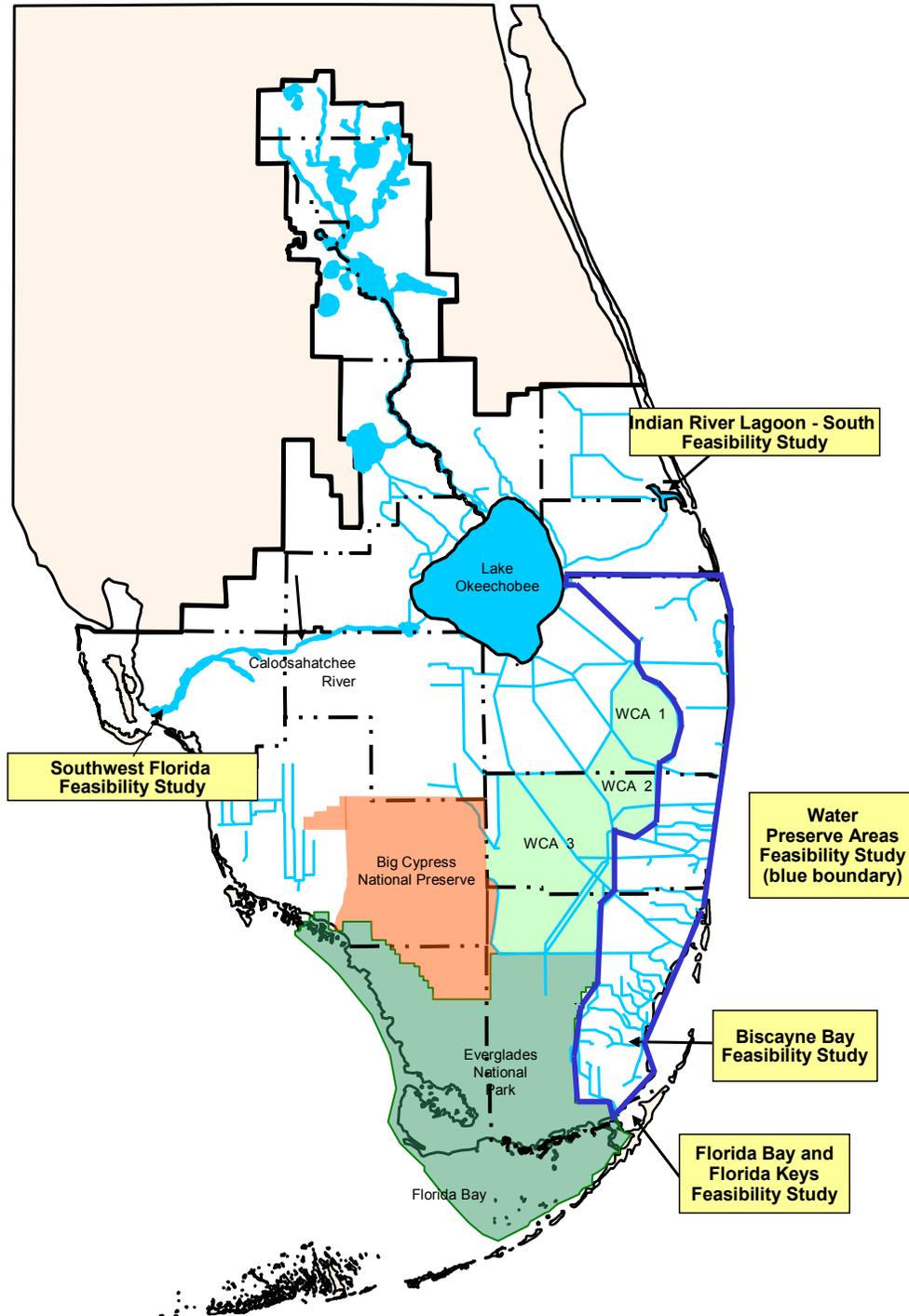
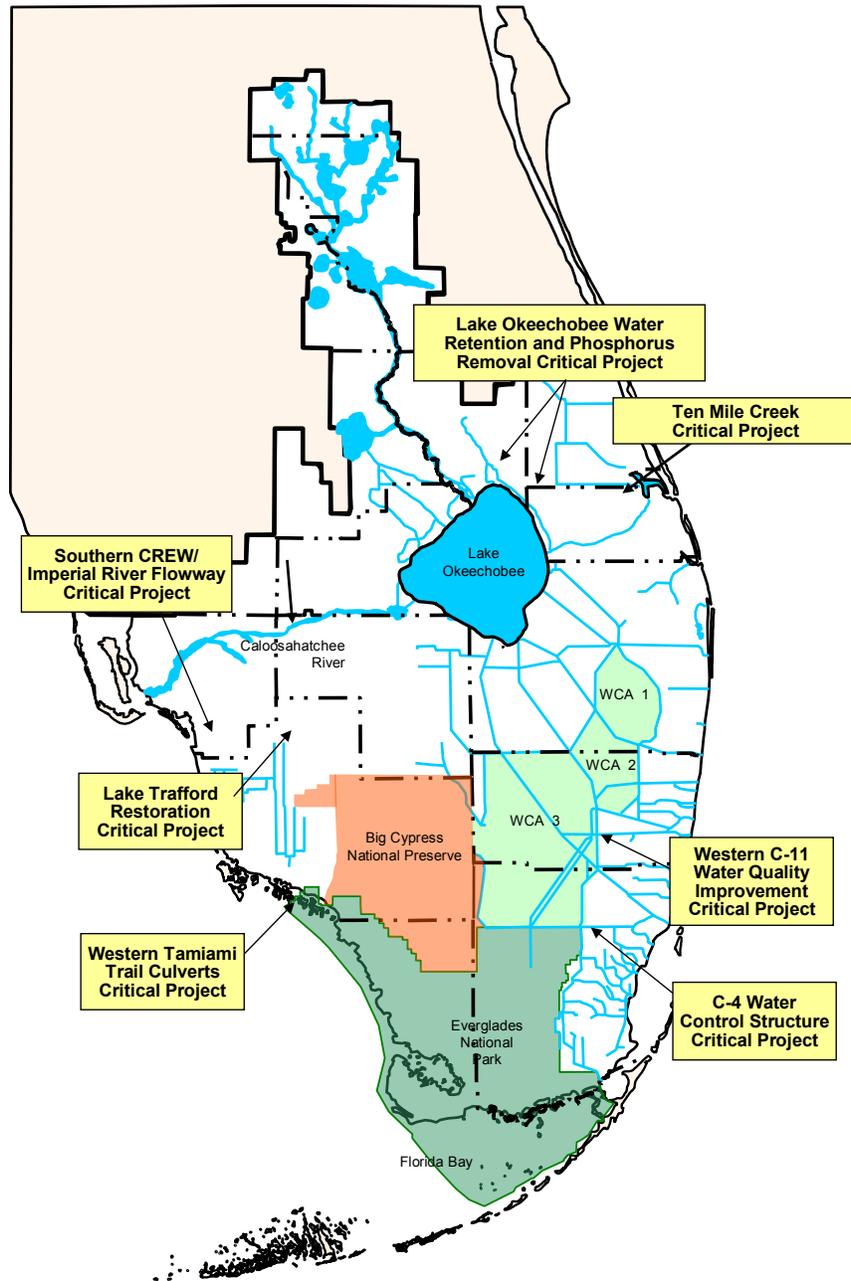


Figure 1h. General location of CERP projects and components, Water Preserve Areas region.



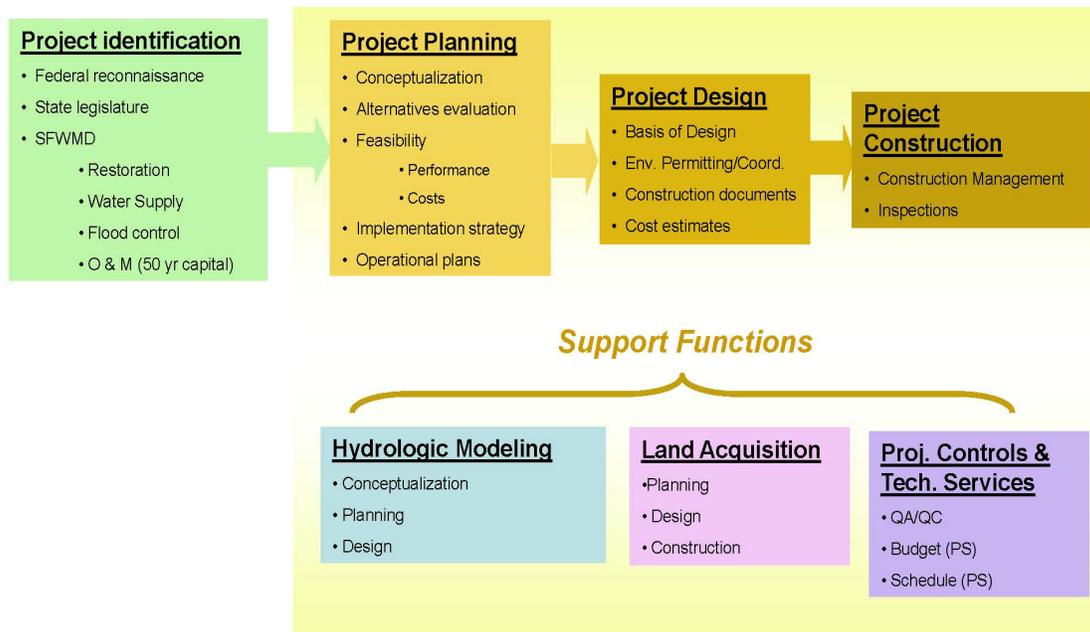
**Figure 2.** General location of Feasibility and Reconnaissance Studies.



**Figure 3.** General location of Critical Restoration Projects.

## PROJECTS STATUS OVERVIEW

CERP projects or components of projects progress through a standard implementation process that starts with completion of the project identification phase, formalized in the Comprehensive Everglades Restoration Plan. The process moves the project from the conceptually described projects and components contained in the Comprehensive Plan to more specifically defined features contained in Project Implementation Reports. These features are then designed, constructed, and operated to achieve project goals. In order to complete CERP implementation, projects and components must advance through the remaining phases of project planning, project design, and project construction, supported by modeling, land acquisition, and project controls and technical services performed throughout the process. **Figure 4** depicts an overview of the CERP implementation process.



**Figure 4.** CERP implementation process.

**Table 6** presents the progression of each CERP project and component through the CERP implementation process. It should be noted that the land acquisition support function is reflected as an implementation phase in the table, as Section 373.470(7), F.S., considers this activity alongside design and construction for financial reporting purposes. The post-implementation, operations phase is included in the table only for informational purposes.

There are 96 projects and components listed in the CERP implementation status table. During the reporting period, 27 CERP projects and components were actively being worked, including one project coordinated by another local sponsor. An additional 29 projects and components were inactive during the reporting period; however, one or more phases of the CERP implementation process have commenced. Eleven projects are being coordinated by other local sponsors. There are 25 pending projects that are planned to start in future years. Four projects are on-hold pending resolution of issues that may lead to project plan modifications.

The current listing of 96 projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of **Table 6** as a cross-reference. Project specific details such as descriptions, project schedules, fiscal year milestones and accomplishments, and project cost estimates are available in the SFER Consolidated Project Report Database at [www.sfwmd.gov/SFER](http://www.sfwmd.gov/SFER).

**Table 6.** CERP project implementation status.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
<b>Everglades Agricultural Area Region</b>								
G P1, G P2	08	EAA Reservoir - PH1 & 2 Remaining w/Bolles & Cross Canals Improvements	Inactive	x	x			
G P1, G P2, A8	08A	Everglades Agricultural Area Storage Reservoirs - Phase 1	On-Hold	x	x	x	x	
DD	15	Modify Holey Land Wildlife Management Area Operation Plan	Inactive	x				
EE	16	Modify Rotenberger Wildlife Management Area Operation Plan	Inactive	x				
<b>Everglades, Florida Bay and the Keys Region</b>								
II	11A	G-404 Pump Station Modifications	Inactive	x				
RR	11B	Flows to NW & Central WCA 3A	Inactive	x				
QQ P1, SS	12A	WCA 3 Decentralization and Sheetflow Enhancement (PIR #1)	Active	X				
QQ P1, SS	12A01	Miami Canal Backfilling & Northern 3A Hydropattern Restoration	Active	X				
QQ P1, AA, QQ P2, ZZ, SS P2, SS P1	12B	WCA 3 Decentralization and Sheetflow Enhancement (PIR #2 and PIR #3)	Pending					
QQ P1, AA	12B01	Restoring Eastern Everglades Flow Path	Pending					
QQ P2, ZZ	12B02	Restoring Western Everglades Flow Path	Pending					
QQ P1	12B03	Eastern Tamiami Trail	Pending					
SS P2	12B04	Canal & Levee Modifications in WCA 3	Pending					
SS P1	12B05	North New River Improvements (S-34 to C-6)	Pending					
AA	12B06	Additional S-345 Structures	Pending					
ZZ	12C	WCA - 3A & 3B Flows to CLBSA	Pending					
KK	14	Loxahatchee NWR Internal Canal Structures	Pending					
EEE	23	Flows to Eastern Water Conservation Area	Pending					
V	27A	L-31N Seepage Management	Inactive	x	x			
FF	27B	S-356 Structure	Pending					
U	43A	Bird Drive Recharge Area - Shallow Water Remaining	On-Hold	x	x			
U	43B	Bird Drive Recharge Area - Athol Subdivision - Shallow Water	On-Hold	x	x			
U	43C	Bird Drive Recharge Area - Deep Water	On-Hold	x	x			
WW, A8	29A	C-111 Spreader Canal Western Project	Active	x	x	x	x	
WW	29	C-111 Spreader Canal Eastern Project	Inactive	x	x			
OPE, FK	31	Florida Keys Tidal Restoration	Inactive	x				
PILOT	36	L-31N (L-30) Seepage Management Pilot	Active	x	x	x	x	
OPE	90	Miccosukee Water Management Plan	N/A					
<b>Lake Okeechobee Watershed Region</b>								
A	01A	North of Lake Okeechobee Storage Reservoir	Inactive	x	x			
W	01B	Taylor Creek/Nubbin Slough STA	Active	x	x	x	x	x
LOWQTF	01C	Lake Okeechobee Watershed Water Quality Treatment Facilities	Active	x	x			
OPE(LOTSD)	01D	Lake Okeechobee Tributary Sediment Dredging	Pending					
GG P1	03A	Lake Okeechobee ASR - Phase 1	Pending					
GG P2	03B	Lake Okeechobee ASR - Phase 2	Pending					
GG P3	03C	Lake Okeechobee ASR - Phase 3	Pending					
PILOT	32	Lake Okeechobee ASR Pilot <sup>1</sup>	Active	x	x	x	x	x

**Table 6. Continued.**

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
<b>Lower West Coast Region</b>								
D P1	04	C-43 Basin Storage Reservoir - Part 1 Remaining	Inactive		x			
D P1, A8	04A	Caloosahatchee River (C-43) West Basin Storage Reservoir	Active	x	x	x		
D P2	05	C-43 Basin Storage Reservoir - Part 2	Inactive	x				
DDD	06	Caloosahatchee Back-pumping with Stormwater Treatment	Inactive					
CCC	10	Big Cypress - L-28 Interceptor Modifications	Inactive					
OPE, SEGGHR, A8	30	Picayune Strand Restoration	Active	x	x	x	x	
PILOT	33	Caloosahatchee River (C-43) ASR Pilot <sup>1</sup>	Active	x	x	x		
OPE	93	Henderson Creek/Belle Meade Restoration	N/A					
OPE	94	Lakes Park Restoration	Active	x	x	x		
OPE	96	Seminole Tribe Big Cypress Reservation Water Conservation Plan	N/A	x	x	x		
<b>Miami-Dade County Region</b>								
XX P2	25A	North Lake Belt Storage Area - Phase 2	Pending					
XX P1	25B	North Lake Belt Storage Area - Phase 1	Inactive	x	x			
S P1	26	Central Lake Belt Storage - Phase 1	Pending					
S P2	26A	Central Lake Belt Storage - Phase 2	Pending					
FFF/OPE, A8	28A	Biscayne Bay Coastal Wetlands - Phase 1	Active	x	x	x	x	x
FFF/OPE	28	Biscayne Bay Coastal Wetlands - Phase 2	Inactive	x	x			
PILOT	35	Lake Belt In-Ground Reservoir Technology Pilot	Inactive	x				
PILOT	37A	South Miami-Dade WW Reuse Pilot	N/A					
PILOT	37B	West Miami-Dade WW Reuse Pilot	N/A					
NONE	92	Restoration of Pineland & Hardwood Hammocks in C-111 Basin	N/A					
HHH	97	West Miami-Dade Reuse	N/A	x				
BBB	98	South Miami-Dade Reuse	N/A	x				
<b>Loxahatchee River Watershed</b>								
OPE(PALMAR), K P1, GGG, OPE(LWL), X, Y	17	Loxahatchee River Watershed Restoration Project						
OPE(PALMAR)	17A	Pal Mar and JW Corbett Wildlife Mgt Area Hydropattern Restoration	Active	x	x	x	x	
K P1	17B	L-8 Basin Modifications	Active	x				
GGG	17C	C-51 & L-8 Reservoir	Active	x	x	x	x	x
OPE(LWL)	17D	Lake Worth Lagoon Restoration	Active	x		x	x	
X	17E	C-17 Backpumping & Treatment	Inactive	x				
Y	17F	C-51 Backpumping and Treatment	Inactive	x				
LL, K P2	18	Loxahatchee River Watershed Restoration Aquifer Storage and Recovery						
LL, K P2	18A	C-51 & L-8 Basin Aquifer Storage & Recovery	Peding					
NONE	91	Winsberg Farms Wetlands Restoration	N/A	x	x	x	x	x

Table 6. Continued.

Region/ Restudy Component	Comp ID	Component Name	General Status	Implementation Process				
				Planning	Land Acquisition	Design	Construction	Operations
<b>Upper East Coast Region (IRL-South)</b>								
UU, A8	07A01	C-44 Reservoir	Active	x	x	x	x	
	07A01	C-44 Test Cells	Active	x	x	x	x	x
B, A8	07A02	C-44 West STA	Active	x	x	x		
B, A8	07A03	C-44 East STA	Active	x	x	x		
UU	07A04	Pal Mar Complex	Active	x				
UU	07B05	C-23/C-24 North Reservoir	Inactive	x	x			
UU	07B06	C-23/C-24 South Reservoir	Inactive	x	x			
UU	07B07	C-23/C-24 STA	Inactive	x	x			
B	07B09	Allapattah Complex	Active	x	x	x	x	x
UU	07B10	Cypress Creek Complex	Inactive	x	x			
B	07B13	Southfork Storage & Water Quality	Inactive	x	x			
UU	07C12	C-25 Reservoir & STA	Inactive	x				
UU	07C14	North Fork Floodplain Restoration	Inactive	x	x	x	x	x
UU	07C15	Muck Remediation & Artificial Habitat	Inactive	x				
<b>Water Preserve Area Region</b>								
VV P1	20	PBC Agricultural Reserve Reservoir - Part 1	Inactive	x	x			
VV P2	21	PBC Agricultural Reserve Reservoir - Part 2	Pending					
M P2	22	Hillsboro Aquifer Storage and Recovery	Pending					
CC P1	24	Broward County Secondary Canal System	N/A					
PILOT	34	Hillsboro ASR Pilot <sup>1</sup>	Active	x	x	x	x	x
NONE, A8	38	Acme Basin B Discharge	N/A	x	x	x	x	x
OPE	39	Strazzulla Wetlands	Inactive	x	x	x		
M P1, A8	40	Fran Reich Preserve - Site 1 Impoundment	Active	x	x	x	x	
O, A8	45A	WCA 3A & 3B Levee Seepage Management	Active	x	x	x		
Q, A8	45B	C-11 Impoundment	Active	x	x	x		
R, A8	45C	C-9 Impoundment	Active	x	x			
T	46	C-4 Control Structures	Pending					
YY, S P1	48A	L-30 Canal Upgrade	Pending					
YY, S P1	48B	WCA - 2B Flows to CLBSA	Pending					
BB	49B	Dade-Broward Levee & Canal	Inactive	x	x			

<sup>1</sup> Included in the ASR Regional Study.

NOTE: The current listing of projects and components can be linked to the CERP original suite of 50 major projects and 68 project components using the Restudy component identifier found in the first column of **Table 6** as a cross-reference.

#### **General Status**

- **Pending** – Project start date is pending.
- **Inactive** – One or more phases of the CERP implementation process have commenced; however, no additional work was performed during the reporting period, pending resolution of some external driver (priorities, funding constraint, scheduling, etc.).
- **On-Hold** – Work on project has been discontinued due to potential project plan modifications.
- **Active** – Project implementation activities occurred in the current fiscal year (FY2011).

## **CERP IMPLEMENTATION HIGHLIGHTS**

Key activities and milestones completed during the reporting period are highlighted below.

### **Land Acquisition**

- Approximately 243,149 acres, or 60 percent, of estimated lands needed for CERP have been acquired as of June 30, 2011.

### **Planning**

#### ***C-111 Spreader Canal Western Project***

- The C-111 Spreader Canal Western Project Final Project Implementation Report and Environmental Impact Statement was completed in accordance with the requirements of Section 601(d) of the Water Resource Development Act of 2000 and recommends authorization of the project. The recommended features of the project have been designed to restore ecosystem function in Taylor Slough, and downstream, affected areas in Florida Bay, Everglades National Park, and the Model Lands and Southern Glades areas.

#### ***Loxahatchee River Watershed Restoration Project***

- Computer simulations were conducted for evaluating optimum reservoir size in support of the Tentatively Selected Plan.
- A dry season pilot test was completed for delivering water to the Loxahatchee River, Loxahatchee Slough, and Grassy Waters Preserve; valuable information was provided to optimize the project's final pump station design.

#### ***Water Conservation Area 3 Decompartmentalization and Sheet Flow Enhancement (Decomp) – Part 1***

- The identification of the Final Array of Alternatives was completed, and a regional-scale hydrologic computer simulation using the South Florida Water Management Model was conducted to evaluate different project alternatives.

### **Construction**

#### ***Biscayne Bay Coastal Wetlands – Phase I***

- More than 57 percent of the Deering Estates component of the Biscayne Bay Coastal Wetlands Project was constructed.
- Exotic and nuisance vegetation from 20 acres served by L-31E culverts were removed.

#### ***Fran Reich Preserve (Site 1 Impoundment) Project***

- The first phase of construction commenced with a groundbreaking ceremony on October 20, 2010.

**C-111 Spreader Canal Western Project**

- The status of three contracts awarded to construct expedited features within the C-111 Spreader Canal Western Project are as follows:

Construction Contract	Percent Complete
Frog Pond Detention Area	97%
Aerojet Canal, L-31E and C-110	94%
S-199 and S-200 Pump Stations	76%

**Picayune Strand Restoration Project**

- The Phase II Road Removal, located between the Merritt Canal and Faka Union Canal was completed.
- A USACE contract was awarded for construction of the Faka Union Pump Station and Phase III Road Removal.
- A groundbreaking ceremony was held on February 18, 2011, to mark construction start of the Faka Union Pump Station and Phase III Road Removal.

**Melaleuca Eradication and Other Exotic Plants**

- A Project Partnership Agreement between the SFWMD and USACE for cost-sharing the construction and operation of the Mass Rearing Annex building was finalized. The building will consist of a lab and office space for the approved biocontrol agents to be mass reared for release on CERP lands to help eradicate melaleuca (*Melaleuca quinquenervia*), Old World climbing fern (*Lygodium microphyllum*), Brazilian pepper, (*Schinus terebinthifolius*), and other invasive exotics.
- A groundbreaking ceremony for the Mass Rearing Annex building was held on May 10, 2011, at the U.S. Department of Agriculture – Agricultural Research Service in Davie.

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## LITERATURE CITED

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USACE. 2010. 2010 Report To Congress (Draft). U.S. Army Corps of Engineers, Jacksonville, FL. On-line at [www.evergladesplan.org/pm/program\\_docs/cerp\\_reports\\_congress.aspx](http://www.evergladesplan.org/pm/program_docs/cerp_reports_congress.aspx).