

**USACE/SAJ**

**SOUTH FLORIDA ECOSYSTEM  
RESTORATION FINANCIAL BRIEF**

**CISRERP  
23 August 2011**



# USACE SAJ Reorganization

## Everglades Division

Stu Appelbaum, Division Chief

Eric Bush, Deputy

Mike Rogalski, Branch Chief – HHD Branch

Howie Gonzales, Branch Chief – Project Management Branch

Karen Tippett, Branch Chief – Program Management

Dave Tipple, Branch Chief – RECOVER & System Wide Analysis Branch

Kim Taplin, SFWMD Liaison

## Programs & Project Management Division

Dave Hobbie, Division Chief

Mike Rogalski, Deputy

Howie Gonzales, Branch Chief – Ecosystem Restoration

Karen Tippett, Branch Chief – Program Management

Kim Taplin, SFWMD Liaison

## Planning & Policy Division

Stu Appelbaum, Division Chief

Eric Bush, Deputy

Dave Tipple, Branch Chief – RECOVER & System Wide Analysis Branch



# PRESIDENT'S CIVIL WORKS YEARLY BUDGET

## (\$\$ IN MILLIONS)

### SOUTH FLORIDA ECOSYSTEM RESTORATION BUDGET

	FY09		FY10		FY11		FY12	
	\$\$	%	\$\$	%	\$\$	%	\$\$	%
CIVIL WORKS BUDGET	4,741	3.9%	5,125	4.2%	4,939	3.6%	4,631	3.5%
CW CONSTRUCTION \$\$	1,478	12.5%	1,718	12.5%	1,690	10.7%	1,558	10.4%
SFER CONSTRUCTION \$\$	185		214		180		163	



# SAJ FY10/ARRA/FY11/FY12BUDGET

SFER PROGRAM – CONSTRUCTION FUNDING					
PROJECT	FY10 CONFERENCE	ARRA FY10	FY11WORK PLAN	FY12 PBUD	TOTAL
C&SF	\$132.7	\$91.4	\$148.5	\$114.1	\$486.7
KISSIMMEE	\$44.7	\$7.5	\$7.0	\$45.6	\$104.8
MWD *	\$8.4		\$8.0	\$7.5	\$23.9
E&SF	\$2.7		\$5.2	\$3.0	\$10.9
<b>SFER</b>	<b>\$188.5</b>	<b>\$98.9</b>	<b>\$168.7</b>	<b>\$170.2</b>	<b>\$626.3</b>

\* MWD DOI Funded



# **South Florida Ecosystem Restoration**

- **Four Programs within the SFER**

- **Central & Southern Florida**

- Includes Comprehensive Everglades Restoration Plan (CERP)

- **Kissimmee River Restoration Project**

- **Everglades and South Florida Ecosystem Restoration**

- Also known as the Critical Projects

- **Modified Water Deliveries to Everglades National Park**

- Funded 100% DOI



# Central and Southern Florida Program

- FY11 – Award of 4 Construction Contracts

- Picayune Strand Restoration
  - Faka Union Pump Station
- Indian River Lagoon South
  - C-44 Troup Indiantown intake canal
- C-51 /STA 1 East Project Deficiencies
  - S-362 Trash Rakes
  - Culvert Repairs

- FY12 – Award of 2 Construction Contracts

- C-111 South Dade - North Detention Area
- C-51 / STA 1East – remaining culvert repairs



# Kissimmee River

- **FY11 – Award of 4 construction contracts**
  - S-67 Erosion Repair - Awarded in Jun
  - Reach 2/3 Oxbow Dredging – Award scheduled 06 Sep
  - S-65D Boat Ramp – Award scheduled 09 Sep
  - S-69 Weir – Award scheduled 26 Sep
  
- **FY12 – Award of 2 construction contracts**
  - S-65E Spillway
  - Reach 3 Backfill – 2.2 miles of backfill
  
- **Last construction contract in FY13**
  - Reach 2 backfill – 6.5 miles of backfill



# **Everglades and South Florida Ecosystem Restoration**

- FY11

- Seminole Big Cypress project
  - Award Basin 4

- FY12

- CoE completing work on Lake Okeechobee Water Retention - Nubbin Slough
- Seminole Big Cypress
  - Award Basins 2/3



# **Modified Water Deliveries to ENP**

- Project is funded 100% by DoI
- Ongoing work
  - Construction of the Tamiami Trail Bridge
    - Scheduled for completion in FY13
  - Turn over of 8.5 Square Mile Area



# **Integrated Delivery Schedule (IDS)**

- Tool developed to guide sequencing of Federal and non-Federal projects
  - Includes CERP projects as well as non-CERP projects
- Responds to recommendations of NAS and GAO
- Integrates funding requirements and ecological benefits
- Living document , updated as needed
- Currently working with SFWMD to update out year budget estimates based on budget cuts across both agencies
- Update to IDS expected in late 2011 timeframe



# SFER Integrated Delivery Schedule

Project	Total Project Cost (\$M)	Year										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Seminole Big Cypress	\$60	●			●							
West Palm Beach Canal/STA-1E	\$318	●						●				
C-111 South Dade	\$391	●									●	
Kissimmee River Restoration	\$636	●										
Modified Water Deliveries to Everglades National Park	\$414											
Tamiami Trail Modifications	\$113	●			●							
Picayune Strand Restoration	\$448											
Merritt Pump Station	\$65	●			●							
Faka Union Pump Station	\$100		●			●						
Flood Protection Features	\$30				●	●						
Miller Pump Station	\$75					●			●			
Site 1 Impoundment	\$109		●		●							
Phase 1			●		●							
Phase 2						●			●			
Indian River Lagoon-South	\$1,882											
C-44 Intake Canal	\$45		●		●							
C-44 Reservoir	\$205					●			●			
C-44 STA	\$115							●			●	
Melaleuca Eradication and Other Exotic Plants	\$17		●		●							
C-111 Spreader Canal	\$154											
Design Test	\$2	●	●									
Western Project	\$150	●	●	●								
Biscayne Bay Coastal Wetlands	\$595											
Phase 1	\$162	●	●						●			
Caloosahatchee River (C-43)	\$977											
West Basin Storage Reservoir	\$595											
Broward County Water Preserve Areas	\$901											
C-11 Impoundment												
WCA 3A&3B Levee/S-356												●
C-9 Impoundment												●
Water Conservation Area 3 Decompartmentalization and Sheetflow	\$390											
Decomp Physical Model	\$10		●		●							
Decomp Part 1	\$196											●
Decomp Part 2	\$133											●
Decomp Part 3	\$52											
Loxahatchee River Watershed Restoration Project	\$287	●	●	●								
ENP Seepage Management	\$532											●
Lake Okeechobee Watershed	\$1,561											●
Herbert Hoover Dike Rehabilitation	\$991	●										●
Lakeside Ranch STA Phase 1	\$105	●	●	●								
Long-Term Plan for Achieving Water Quality Goals in the Everglades Protection Area Projects (100% State)	\$1,500	●	●	●	●	●	●	●				
Central Everglades Storage Project	TBD											

- Projects are currently federal construction.
- Projects are currently non-federal construction, subject to change based on further authorization and funding.
- Construction has started on these projects.

Foundation Projects
Generation 1 Projects
Generation 2 Projects
Generation 3 Projects
Other Projects

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August 2011



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# 50/50 COST SHARE CREDITING PROCESS

- **CERP Master Agreement Overview**
  - Only costs for projects with executed Project Partnership Agreements (PPAs) will be considered
  - SFWMD receives credit for costs associated with land acquisition and “in-kind work” on construction
  - To avoid a required cash contribution, Federal expenditures must be less than the total of SFWMD’s actual credits plus “projected contributions”
- **The USACE will recognize the SFWMD’s “projected contributions” as follows:**
  - **Immediately upon signing a PPA**
    - The value of all lands needed for the project
    - The cost of construction completed prior to signing the agreement
  - **Upon execution of an SFWMD contract for construction**
    - The entire amount obligated by the contract



# 50/50 COST SHARE CREDITING PROCESS

- **Master Agreement Procedures**
  - Quarterly financial reports
  - Yearly adjustments to maintain 50-50 cost-share balance
    - Revise construction responsibilities for upcoming years
    - Reschedule execution of PPAs
    - Government may provide lands
    - Adjust construction schedules
    - Provide cash contribution, as necessary
- **50/50 Cost Share balance for CERP includes funds obligated to date for design and construction, as well as land costs**
- **USACE can never get ahead of SFWMD in 50-50 cost-share balance, even for short periods**



# **50/50 COST SHARE CREDITING PROCESS**

- Current Executed PPA's
  - Picayune, Melaleuca Eradication, Site 1 Phase 1, Indian River Lagoon South Phase 1, L-31 Pilot
- Second group of projects ready for authorization
  - C-111 Spreader Canal, Biscayne Bay Coastal Wetlands, Broward County WPA, C-43 West Basin
- Third group of projects ready for authorization
  - Loxahatchee Watershed, DECOMP, ENP Seepage, Lake Okeechobee Watershed
- USACE anticipates funding for design in FY11 to be \$54M and FY12 to be \$43M
- The challenge is to ensure out year budgets do not cause the COE to exceed SFWMD in obligations and credits
  - SFWMD has invested \$1.4 billion dollars that are currently not creditable



# CERP 50/50 COST SHARE BALANCE

	THRU FY10			FY11			FY12			FY13			FY14			FY15		
	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL
DESIGN	419,736	447,674	867,410	54,500	21,700	943,610	43,060	22,255	1,008,925	43,000	15,501	1,067,426	43,000	15,085	1,125,511	43,000	15,085	1,183,596
PICAYUNE	93,588	152,221	245,809	87,000	420	333,229	13,614	60	346,903	82,500	820	430,223	5,200	820	436,243	3,500	60	439,803
LANDS	38,085	140,473	178,558			178,558			178,558			178,558			178,558			178,558
CONSTRUCTION	55,503	11,748	67,251	87,000	420	154,671	13,614	60	168,345	82,500	820	251,665	5,200	820	257,685	3,500	60	261,245
MERRITT	55,503	11,748	67,251	5,000	410	72,661	4,300	50	77,011	1,500	700	79,211	700	500	80,411			80,411
FAKA			-	82,000	10	82,010	9,314	10	91,334	3,000	120	94,454	2,500	320	97,274	1,500	60	98,834
PROTECTION										18,000		18,000			18,000			18,000
MILLER										60,000		60,000	2,000		62,000	2,000		64,000
SITE 1	46,790	2,611	49,401	2,000	-	51,401	2,000	-	53,401	2,000	-	55,401	-	-	55,401	-	-	55,401
LANDS	2,611	2,611	5,222	-	-	5,222	-	-	5,222	-	-	5,222	-	-	5,222	-	-	5,222
PHASE I	2,611	2,611	5,222			5,222			5,222			5,222			5,222			5,222
PHASE II			-			-			-			-			-			-
CONSTRUCTION	44,179	-	44,179	2,000	-	46,179	2,000	-	48,179	2,000	-	50,179	-	-	50,179	-	-	50,179
PHASE I	44,179		44,179	2,000		46,179	2,000		48,179	2,000		50,179			50,179			50,179
PHASE II***			-			-			-			-			-			-
MELALEUCA ERADICATION	1,601	53	1,654	270	-	1,924	100	-	2,024			2,024			2,024			2,024
LANDS	-	-	-			-			-			-			-			-
CONSTRUCTION	1,601	53	1,654	270		1,924	100		2,024			2,024			2,024			2,024
IRLS	-	412,330	412,330	30,270	2,153	444,753	3,000	400	448,153	2,000	-	450,153	45,000	-	495,153	75,000	-	570,153
LANDS **	-	401,340	401,340			401,340			401,340			401,340			401,340			401,340
CONSTRUCTION	-	10,990	10,990	30,270	2,153	43,413	3,000	400	46,813	2,000	-	48,813	45,000	-	93,813	75,000	-	168,813
C-44 TIWC		10,990	10,990	30,270	2,153	43,413	3,000	400	46,813	2,000		48,813			48,813			48,813
C-44 Reservoir			-			-			-			-	45,000		45,000			90,000
C-44 STA			-			-			-			-			-	30,000		30,000
TOTAL	561,715	1,014,889		174,040	24,273		61,774	22,715		129,500	16,321		93,200	15,905		121,500	15,145	
GRAND TOTAL			2,573,057			2,771,370			2,855,859			3,001,680			3,110,785			3,247,430
COE			966,485			1,140,525			1,202,299			1,331,799			1,424,999			1,546,499
SFWMD			1,606,572			1,630,845			1,653,560			1,669,881			1,685,786			1,700,931
DELTA (SFWMD - COE)			640,087			490,320			451,261			338,082			260,787			154,432
50/50 SPLIT			1,286,529			1,385,685			1,427,930			1,500,840			1,555,393			1,623,715
COE			(320,044)			(245,160)			(225,631)			(169,041)			(130,394)			(77,216)
SFWMD			320,044			245,160			225,631			169,041			130,394			77,216
DESIGN/CASH	419,736	447,674	867,410	54,500	21,700	76,200	43,060	22,255	65,315	43,000	15,501	58,501	43,000	15,085	58,085	43,000	15,085	58,085
LERRDS	40,696	544,424		-	-		-	-		-	-		-	-		-	-	
CONSTRUCTION/CASH	101,283	22,791		119,540	2,573		18,714	460		86,500	820		50,200	820		78,500	60	
TOTAL CASH REQ'D	521,019	470,465		174,040	24,273		61,774	22,715		129,500	16,321		93,200	15,905		121,500	15,145	
GRAND TOTAL	561,715	1,014,889		174,040	24,273		61,774	22,715		129,500	16,321		93,200	15,905		121,500	15,145	

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# CERP 50/50 COST SHARE BALANCE

	FY16		THRU FY16	FY17		THRU FY17	FY18		THRU FY18	FY19		THRU FY19	FY20		THRU FY20	REMAINING			
	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	COE	SFWMD	TOTAL	BALANCE
DESIGN	43,000	15,085	1,241,681	43,000	15,085	1,299,766	37,000	15,085	1,351,851	35,000	15,085	1,401,936	35,000	15,085	1,452,021				
PICAYUNE	1,500	817	442,120	-	-	442,120	-	-	442,120	-	-	442,120	-	-	442,120	-	-	-	-
LANDS			178,558			178,558			178,558			178,558			178,558			178,558	-
CONSTRUCTION	1,500	817	263,562	-	-	263,562	-	-	263,562	-	-	263,562	-	-	263,562	-	-	263,562	-
MERRITT			80,411			80,411			80,411			80,411			80,411			80,411	-
FAKA			98,834			98,834			98,834			98,834			98,834			98,834	-
PROTECTION			18,000			18,000			18,000			18,000			18,000			18,000	2,000
MILLER	1,500	817	66,317			66,317			66,317			66,317			66,317			66,317	18,000
SITE 1	-	-	55,401	-	-	55,401	-	-	55,401	-	-	55,401	-	-	55,401	-	-	55,401	-
LANDS	-	-	5,222	-	-	5,222	-	-	5,222	-	-	5,222	-	-	5,222	-	-	5,222	-
PHASE I			5,222			5,222			5,222			5,222			5,222			5,222	-
PHASE II			-			-			-			-			-			-	-
CONSTRUCTION	-	-	50,179	-	-	50,179	-	-	50,179	-	-	50,179	-	-	50,179	-	-	50,179	-
PHASE I			50,179			50,179			50,179			50,179			50,179			50,179	-
PHASE II***			-			-			-			-			-			-	-
MELALEUCA ERADICATION			2,024			2,024			2,024			2,024			2,024			2,024	-
LANDS			-			-			-			-			-			-	-
CONSTRUCTION			2,024			2,024			2,024			2,024			2,024			2,024	-
IRLS	76,000	-	646,153	88,000	-	734,153	30,000	-	764,153	-	-	764,153	-	-	764,153	-	-	764,153	-
LANDS **			401,340			401,340			401,340			401,340			401,340			401,340	-
CONSTRUCTION	76,000	-	244,813	88,000	-	332,813	30,000	-	362,813	-	-	362,813	-	-	362,813	-	-	362,813	-
C-44 TIWC			48,813			48,813			48,813			48,813			48,813			48,813	-
C-44 Reservoir	46,000		136,000	40,000		176,000	30,000		206,000			206,000			206,000			206,000	-
C-44 STA	30,000		60,000	48,000		108,000			108,000			108,000			108,000			108,000	-
TOTAL	120,500	15,902		131,000	15,085		67,000	15,085		35,000	15,085		35,000	15,085					
GRAND TOTAL			3,383,832			3,529,917			3,612,002			3,662,087			3,712,172				
COE			1,666,999			1,797,999			1,864,999			1,899,999			1,934,999				
SFWMD			1,716,833			1,731,918			1,747,003			1,762,088			1,777,173				
DELTA (SFWMD - COE)			49,834			(66,081)			(117,996)			(137,911)			(157,826)				

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