



# **SFWMD Construction Projects Update**

**Project & Lands Committee Meeting  
April 13, 2011**

**Ralph Hayden, Constructability Engineer  
Construction Department  
Everglades Restoration & Capital Projects**

# Construction Project Workload

## December 2010

**SFWMD – 292 M**

**USACE – 141 M**

**Totals = 433 M**

## April 2011

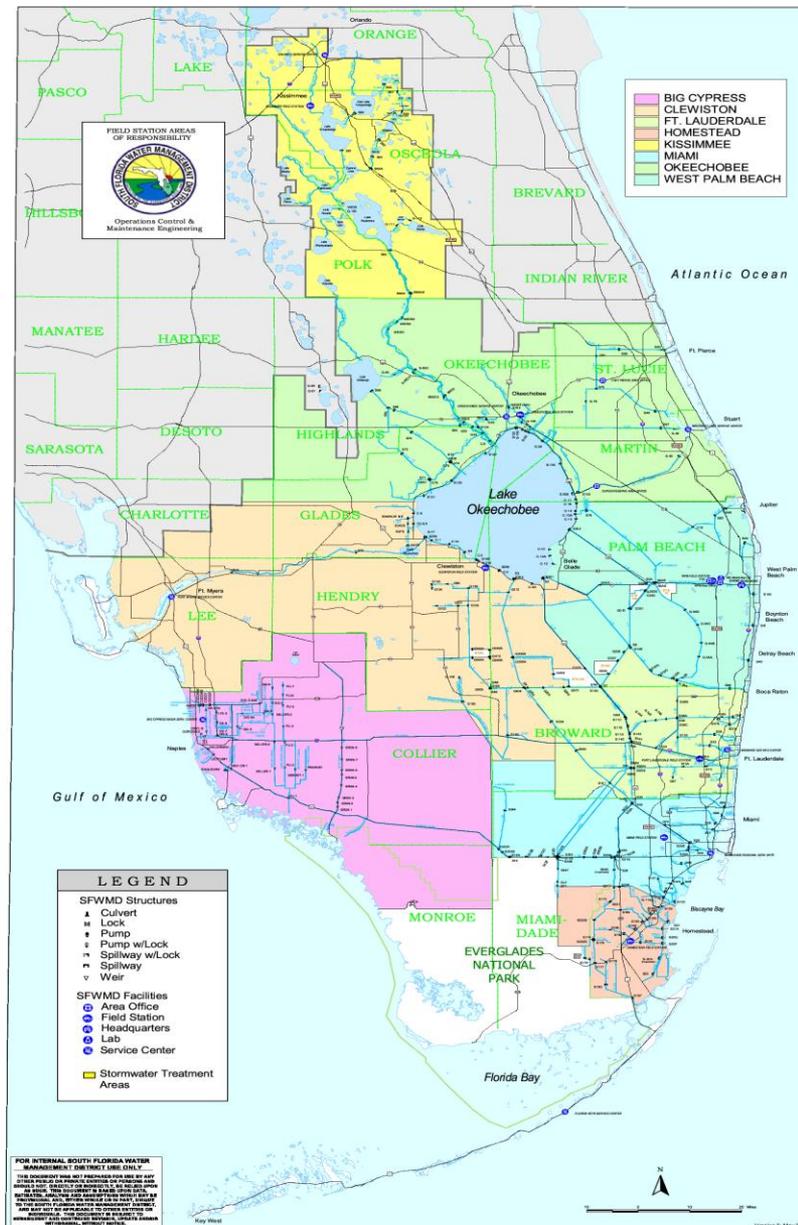
**SFWMD – 283.6 M**

**USACE – 219.7 M**

**Totals = 503.3 M**

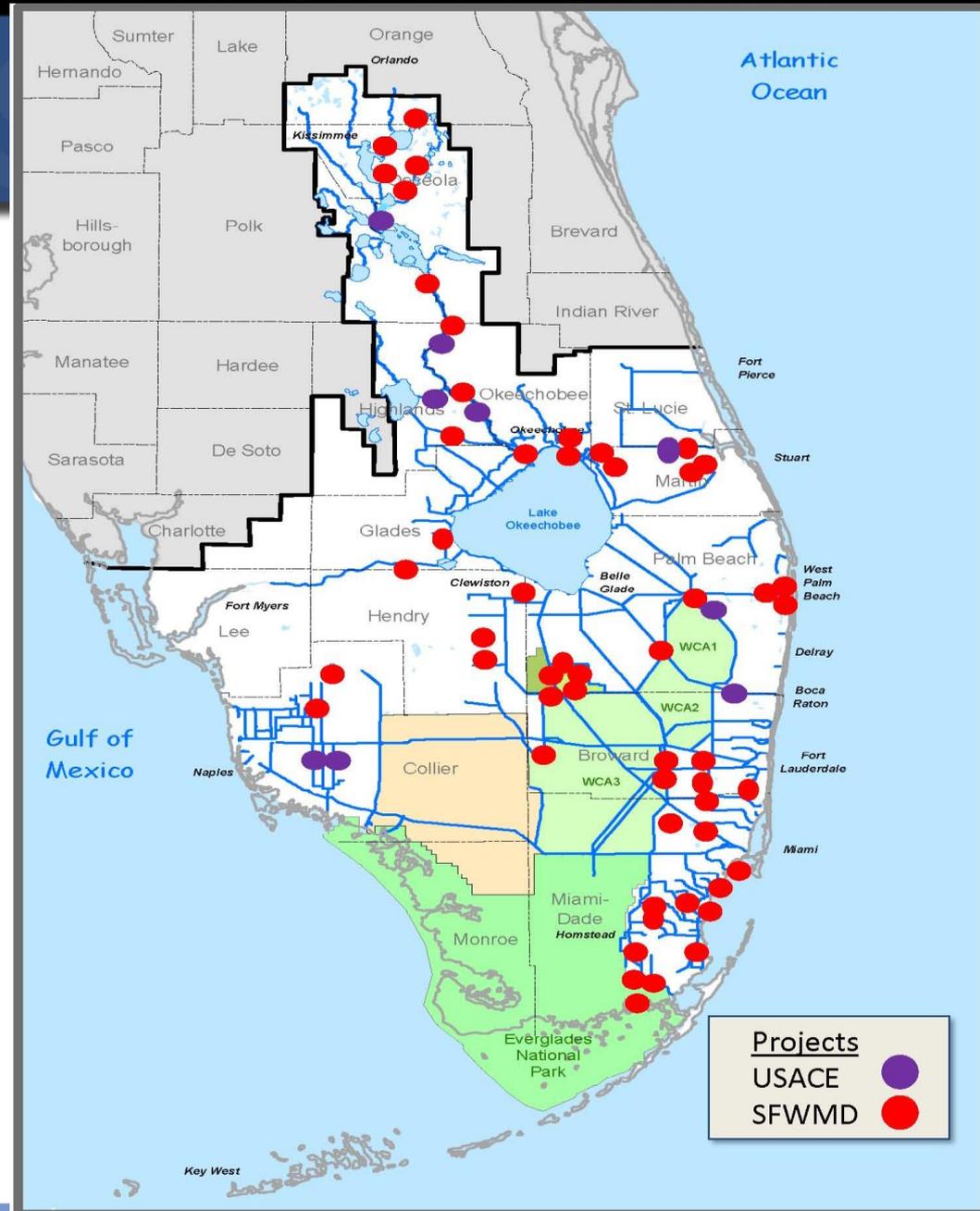
# Field Station Locations

- Big Cypress
- Clewiston
- Ft. Lauderdale
- Homestead
- Kissimmee/St. Cloud
- Miami
- Okeechobee
- West Palm Beach



# Construction Project Locations

- Fifty-six District projects
- Ten USACE projects



# Kissimmee/St. Cloud

## Concrete Repair Projects



# Kissimmee/St. Cloud (Cont.)

## Three Month Look Ahead (in bold)

April 2011

<u>Kissimmee/St Cloud</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
S-60 Gate Operator Replacement	0.6	6/1/10
SW Kissimmee Boat Ramp	0.8	12/24/10
<b>S-62 Concrete Repairs</b>	<b>0.8</b>	<b>5/14/11</b>
<b>S-65/65A Navigation Locks</b>	<b>4</b>	<b>5/18/11</b>
<b>S-59 Concrete Repairs</b>	<b>1.1</b>	<b>5/30/11</b>
<b>S-63 Concrete Repairs</b>	<b>1.1</b>	<b>5/30/11</b>
Private Aids to Navigation Marker Replacement	0.3	10/12/11
Kissimmee Lower Floridian Aquifer Drilling Test	1.5	12/3/11

# Okeechobee



**65-D Tower**



**C-41A Canal Bank**

# Okeechobee (Cont.)

## Three Month Look Ahead (in bold)

April 2011

<u>Okeechobee</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>C-44 TIWCD Temporary Configuration</b>	<b>2.5</b>	<b>10/8/2010</b>
<b>C-44 Intake Canal Road</b>	<b>0.3</b>	<b>5/3/2011</b>
<b>S-65/65A Navigation Locks</b>	<b>4</b>	<b>5/18/2011</b>
<b>C-44 C-132 &amp; N C-133 Canals</b>	<b>1</b>	<b>5/22/2011</b>
<b>S-65D Tower</b>	<b>1.1</b>	<b>5/26/2011</b>
<b>S-65D Navigation Lock Refurbishment</b>	<b>3</b>	<b>5/29/2011</b>
Lake Okeechobee Bridge	0.15	7/25/2011
Fuel Tank Platforms (North)	0.8	11/11/2011
Lakeside Ranch North	15.5	1/6/2012
G-78/79/81 Automation	1.1	1/17/2011
C-41A Bank Stabilization Phase 1	7.2	1/17/2012
Lakeside Ranch PS	6.8	2/13/2012
C-24 Bank Repairs	4.3	3/10/2012
C-41A Bank Stabilization Phase 2	9.2	6/8/2012
TIWCD Canal D Maintenance	0.2	TBD

# Clewiston

## Compartment C



# Clewiston (Cont.)

Three Month Look Ahead (in bold)	April 2011	
<u>Clewiston</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>Fuel Tank Platforms (Central)</b>	<b>0.3</b>	<b>5/28/2011</b>
<b>Clewiston FS Bridge Rehab.</b>	<b>0.1</b>	<b>6/5/2011</b>
Compartment C STA	47.5	8/15/2011
G-370/372 Emergency Repairs	0.1	9/11/2011
Compartment C PS G-508	35.2	12/15/2011
Compartment C Pumps	13.7	12/31/2011
Moore Haven Tower Replacement	1.4	2/9/2012

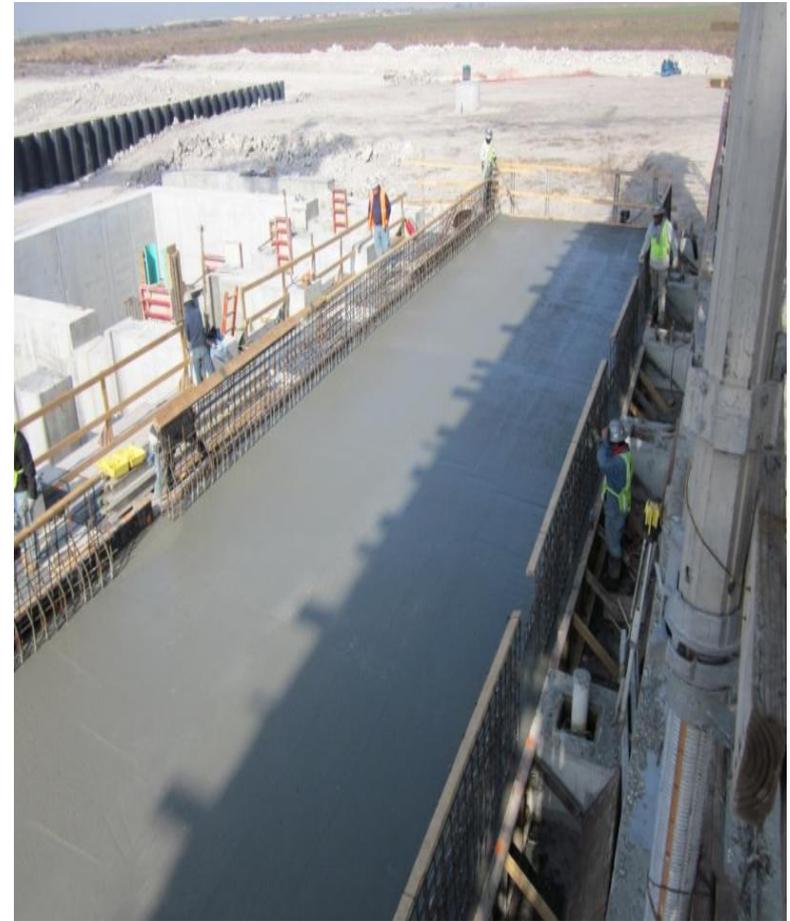
# West Palm Beach

## Environmental Services Laboratory



# West Palm Beach (Cont.)

## Compartment B



# West Palm Beach (Cont.)

Three Month Look Ahead (in bold)

April 2011

<u>West Palm Beach</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>Compartment B South STA</b>	<b>14.2</b>	<b>5/13/2011</b>
<b>Compartment B NNRC Bridges</b>	<b>1.9</b>	<b>5/15/2011</b>
<b>Fuel Tank Platforms (Central)</b>	<b>0.3</b>	<b>5/28/2011</b>
<b>EOC Data Center Upgrades</b>	<b>2.1</b>	<b>5/30/2011</b>
<b>Compartment B North STA</b>	<b>16.8</b>	<b>6/11/2011</b>
<b>B-1 Atrium Roof Repairs</b>	<b>0.2</b>	<b>6/11/2011</b>
L-10 Bridge Repairs	0.2	7/14/2011
Environmental Service Lab	7.9	12/5/2011
Compartment B SBO PS G-435	11.7	12/10/2011
Compartment B Pumps	19.4	12/31/2011
WPB FS Roof Repairs	1.6	2/9/2012
Compartment B PS G-434 & G-436	49.3	2/11/2012
S-44/G-57 Gate Operator Replacement	1.3	5/9/2012
Temporary Forward Pumps	0.5	9/21/2012

# Ft. Lauderdale

## S-124 Culvert Replacement



# Ft. Lauderdale (Cont.)

## Three Month Look Ahead (in bold)

April 2011

<u>Ft Lauderdale</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
S-6 Gear Box Warranty	0	5/26/2011
<b>S-124 Gate Replacement</b>	<b>2.3</b>	<b>5/12/2011</b>
<b>Fuel Tank Platforms (South)</b>	<b>0.2</b>	<b>5/28/2011</b>
S-142 & S-143 Gate Replacement	1.5	11/8/2011
S-44/G-57 Gate Operator Replacement	1.3	5/9/2012
S-140 Refurbishment	4.5	7/6/2012

# Miami



## Deering Estate Flow-way



# Miami (Cont.)

## C-100 and C-2 Bank Stabilization



# Miami (Cont.)

Three Month Look Ahead (in bold)

April 2011

<u>Miami</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>G-420/422/S25 Roof Replacement</b>	<b>0.7</b>	<b>5/16/2011</b>
<b>C-2, C-100 Bank Stabilization</b>	<b>1.2</b>	<b>6/29/2011</b>
Deering Estates PS	4.2	9/6/2011
C-4 Flood Wall - Quick Start	0.4	11/11/2011

# Homestead



## C-111 Spreader Canal



**Pump Station S-200**



**Canal Liner**



**Frog Pond Seeding**

# Homestead (Cont.)

Three Month Look Ahead (in bold)	April 2011	
<u>Homestead</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>S-332D PS Hardening</b>	<b>0.8</b>	<b>4/3/2011</b>
<b>S-331 PS Hardening</b>	<b>0.6</b>	<b>5/1/2011</b>
<b>C-111 Aerojet</b>	<b>6.6</b>	<b>5/24/2011</b>
<b>Fuel Tank Platforms (South)</b>	<b>0.2</b>	<b>5/28/2011</b>
<b>C-111 Frog Pond</b>	<b>10.8</b>	<b>6/28/2011</b>
C-111 PS S-199/200	7.2	7/5/2011
S-20F Wingwall Replacement	0.3	7/16/2011
S-331 Repower & Gearboxes	1.4	8/30/2012

# Big Cypress Basin

Lake  
Trafford  
Dredging



# Big Cypress Basin (Cont.)

Three Month Look Ahead (in bold)	April 2011	
<u>Big Cypress Basin</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b>Bird Rookery Parking Area</b>	<b>0.2</b>	<b>Complete</b>
<b>Lake Trafford Dredging</b>	<b>7.5</b>	<b>Complete</b>
Golden Gate 6 & 7	1.5	1/10/2012

# USACE Projects

River  
Acres  
Bridge

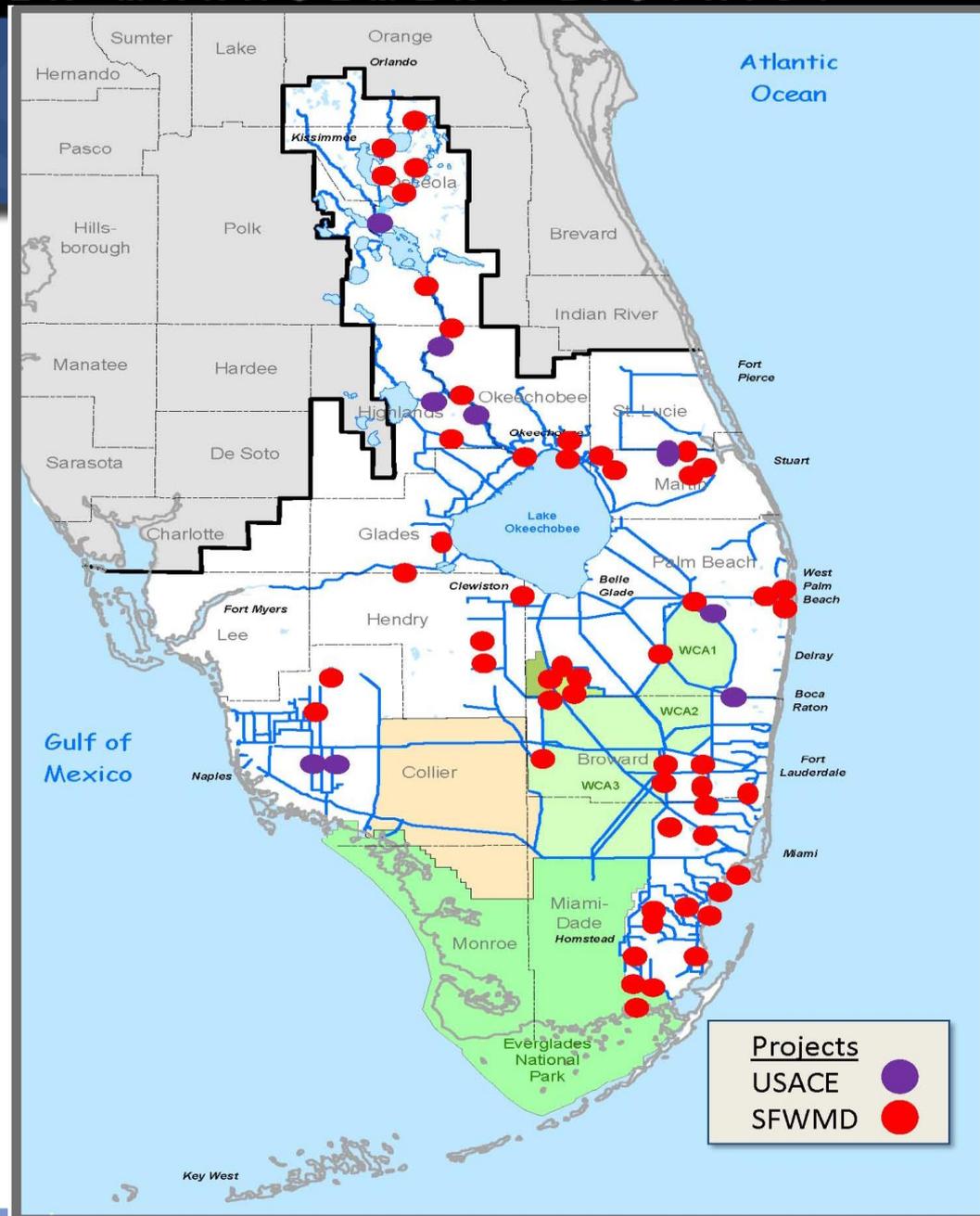


# USACE Projects (Cont.)

<u>USACE Projects</u>	<u>Cost (\$M)</u>	<u>Completion Date</u>
<b><u>West Palm Beach</u></b>		
Site 1 Impoundment	44	10/12/2012
S-377 Culverts Upgrades	N/A	8/10/2011
S-375 Culverts Repairs	N/A	11/11/2011
<b><u>Okeechobee</u></b>		
River Acres Features	2.7	12/5/2011
C-37 Canal Widening	15.7	8/1/2012
CSX Railroad Bridge	6.8	6/1/2013
Oxbow Dredging & Excavation	2.8	5/29/2012
C-44 STA Ph 1 Intake Canal	TBD	TBD
<b><u>Big Cypress Basin</u></b>		
Picayune Strand (Merritt P.S.)	53.1	9/12/2012
Picayune Strand (FAKA P.S.)	79	7/30/2014

# Construction Project Summary

- Fifty-six District projects
- Ten USACE projects
- Total cost of \$503 million





# Questions