

DISTRICT PERFORMANCE MANAGEMENT  
PROJECT MANAGEMENT PLAN

LAKESIDE RANCH  
STORMWATER TREATMENT AREA



**sfwmd.gov**

Project Manager Name: Jian Cai  
Project SAP PS ID: 100082  
Project ID (Optional)  
PMP Monitoring & Control Rev#:  
PMP Monitoring & Control Rev Date:  
Report Section Update Date:

0  
April 7, 2011

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# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## PROJECT MANAGEMENT PLAN

PROJECT NAME: LAKESIDE RANCH  
STORMWATER TREATMENT AREA

Project Manager: Jian Cai

Date: April 7, 2011

Rev# 0

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**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**APPROVALS**

**PROJECT INFORMATION**

Resource Area (requesting the project in AWP) Everglades Restoration & Capital Projects

Project Title Lakeside Ranch Stormwater Treatment Area

Project SAP PS ID 100082

Project ID (Other) \_\_\_\_\_

Project Manager: Jian Cai

Project Manager Supervisor: Alan Shirkey

Project Sponsor(s): Matthew Morrison

**BUSINESS REVIEWS & APPROVAL (SIGN)**

**Matthew Morrison**   
Project Sponsor

6/14/11  
Date

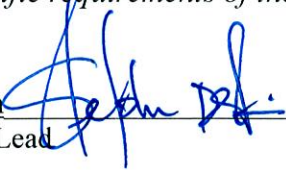
**John Dunnuck**   
Resource Area Manager

*Approved in PS Workflow. Signature is not required*

**Jeff Kivett**   
Department Manager

6/10/11  
Date

**Project Management Methodology & Financial Compliance Review:**  
*This project management plan is completed to Standards as set forth in the Districts Project Management Methodology Manual and SAP Project System 7900 Course Instruction. The project also meets specific requirements of the resource area's executing and supporting the project.*

**Stephan Destin**   
Project Control Lead

6/8/11  
Date

\_\_\_\_\_  
Project Control Support

\_\_\_\_\_  
Date

**Alan Shirkey**  
Project Manager Supervisor

*Approved in PS Workflow. Signature is not required*

**Mark Munro**  
Finance Manager

*Approved in PS Workflow. Signature is not required*



**NOTE:** PROJECT CHARTER PREVIOUSLY ATTACHED TO THE PROJECT IN PS

PMP REVISION LOG

**PMP REVISION TABLE**

PMP Rev No.	Date	PMP Revision Log Description	Project Phase Select Initiation, Planning, Execution, or Closeout	Issue & change Management Request Form Number (Required)
<i>Rev. 000</i>	4/7/2011	Approval of The Initiation PMP (SAP Executive Approval)	Initiation	0
<i>Rev 1</i>				



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**APPROVALS**

**RESOURCE AREA PMP PERIODIC PROJECT PERFORMANCE REPORTING & REVIEW LOG**

Report Data Date	<u>Resource Area</u> <u>PMP Periodic Project Performance Reporting &amp; Review Log</u>	Project Phase Select Initiation, Planning, Execution, or Closeout	Project Team and Resource Area Management Report Concurrence Date
	District Standard Reports Located In Report Section	Planning	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Execution	
	District Standard Reports Located In Report Section	Closeout	





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT PROJECT MANAGEMENT PLAN (PMP) REQUIREMENTS OVERVIEW

### RESPONSIBILITY FOR BUILDING THE PMP

Jian Cai, P.E.

The Charter is now incorporated into the sections entitled: Approvals, Executive Summary, & Team

### REQUIREMENTS FOR MAINTAINING/REVISING THE PMP

*This document is to be maintained over the projects life, including periodic updates to all components which have changed. Only changes documented through the change control process may be reflected within this plan and in the Revision Table. Changes to the Performance Report Section do not initiate a corresponding approved change control request as this section simply updates performance against the plan and is not a change to the plan.*

*The PMP must be maintained so that it is always equal to the original approved plan plus all approved changes. The changes are documented using the Districts Monitoring & Controlling Methodology. The associated forms and log section in the Monitoring & Controlling Section of this PMP is to be maintained with this documentation.*

### REQUIREMENTS FOR MAINTAINING PERFORMANCE REPORTS IN THE PMP

*The PMP integrates periodic Project Performance Reporting. By integrating plan and performance information the complete project may be reviewed in terms of plan and actual performance within this single document. The reporting section of this PMP contains the standard District Reports and frequency with which they are to be maintained. The reports are to be updated and inserted into this PMP document according to the update frequency.*

### PMP CONSTRUCTION AND MAINTENANCE SUPPORT



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### EXECUTIVE SUMMARY

#### PROJECT LOCATION

This project is located in Okeechobee and Martin Counties and consists of canal improvement, stormwater treatment area (STA), inflow pump station S-650, and a pump station S-191A to maintain flood protection levels in the Rim Canal, L-47. The STA facilities encompass a 2,700-ac site in the S-135 Sub basin in Martin County.

The pump stations will be owned and operated by the South Florida Water Management District. Pump station S-650 is located in Martin County. S-191 A pump station is located in Okeechobee County. These pump stations' coordinates are:

Pump Station	Latitude	Longitude
S-650	27.1582	-80.6775
S-191A	27.1926	-80.6775

**MANDATES:** The project is a component of the Lake Okeechobee Watershed Construction Project-Lake Okeechobee Phase II Technical Plan. The Lake Okeechobee Phase II Technical Plan was authorized by the Northern Everglades and Estuaries Protection Act (NEEPA). The Lakeside Ranch STA is also a "project component" of the Comprehensive Everglades Restoration Plan (CERP). The Water Resources Development Act (WRDA) 2000 and the Lake Okeechobee Watershed (LOW) Project Delivery Team (PDT) endorsed the establishment of an STA in the Basin.

In the 2005 Florida legislative session, the Legislature and the Governor approved funds to assist with the restoration of Lake Okeechobee under the Lake Okeechobee and Estuary Recovery Program (LOER). As part of this program, the District then began design of the Lake Okeechobee Fast Track (LOFT) Projects of which includes Lakeside Ranch STA.

#### PROJECT SCOPE SUMMARY

The Lakeside Ranch STA was identified as a component of the Lake Okeechobee Watershed (LOW) project whose planning phase was initiated by the Corps of Engineers in 2006. The South Florida Water Management District (District) expedited certain projects in the watershed in 2007 to make measurable improvements to the health of Lake Okeechobee prior to completion of the LOW project. These expedited projects are collectively called the Lake Okeechobee Fast Track (LOFT) projects. The Lakeside Ranch STA is one component of LOFT. This project conducted geotechnical investigations, surveys, and modeling of the area to determine options for design of the STA. Conceptual planning had determined a need for a 2700 acre STA. The interaction of this STA with the other LOFT projects is considered.

This stormwater treatment area is intended to serve as a large regional treatment facility that provides treatment of flows from the entire Taylor Creek and Nubbin Slough Basin (S-



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

133, S-191, S-135, and possibly S-154 Sub basins). Previous environmental assessments had been conducted at the site and had determined the need for cleanup at the arsenic contaminated site (the old cattle dipping vat area) prior to construction. The District's land management group had led this cleanup effort. Cultural resource investigations were also conducted by the District to support permitting efforts. An Environmental Impact Statement was also prepared by the District.

The project will be constructed in phases to match available funding. Phase I, which is under construction, consists of improvements of canal L-63 and L-64, the STA –North and pump station S-650. The construction of these components will be complete in February 2012. Phase II, which is in the final design stage, includes the STA-South and S-191A pump station. The construction of these components will start once funding becomes available.

### PROJECT SCHEDULE

#### Phase I

Start Date: August 31, 2000.      Plan Finish Date: September 30, 2012.

#### Phase II

Plan Start Date: August 31, 2000. Plan Finish Date: September 30, 2015

### EXECUTIVE SUMMARY

#### PROJECT JUSTIFICATION

This project is part of the District's Lake Okeechobee and Estuary Recovery (LOER) initiative to improve the health of the lake by reducing phosphorus loads.

#### PROJECT DELIVERABLES

AWP or Other Deliverable	Date
Basis of Design Report	7/2007
Preliminary Design Submittal	1/2008
Intermediate Design Submittal – STA - North	7/18/2008
Intermediate Design Submittal – S650 PS	9/23/2008
Intermediate Design Submittal – STA - South	7/18/2008
Intermediate Design Submittal – S191A PS	6/11/2010
Pre-Final Design Submittal – STA-North	8/22/2008
Pre-Final Design Submittal – S650 PS	2/20/2009
Pre-Final Design Submittal – STA-South 1	3/13/2009
Pre-Final Design Submittal – STA-South 2	8/6/2010
Pre-Final Design Submittal – S191A PS	9/13/2010
Final Design Submittal – STA-North	10/10/2008
Final Design Submittal – S650 PS	7/27/2009
Final Design Submittal – STA-South	4/29/2011



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Final Design Submittal – S191A PS	5/27/2011
Governing Board – STA-North	3/2009
Governing Board – S650 PS	12/2009
Notice to Proceed – STA-North	4/20/2009
Notice to Proceed – S650 PS	3/10/2010
Substantial Completion – STA - North	11/7/2011
Substantial Completion – S650 PS	12/15/2011
Final Completion – STA - North	1/6/2012
Final Completion – S650 PS	2/13/2012
Project Complete	9/30/2014

<b>AWP Deliverables</b>	<b>Quarter</b>
Complete Engineering Design	3 of FY11
Complete Earth Work of Phase I	3 of FY11
Complete Power Connection to Phase I	4 of FY11

### *Performance Measures:*

<b>Performance Measures Listing</b>
1. Complete design in FY11
2. Complete construction of Phase I in 2 of FY12
3. Acceptance of the project



**ASSETS**

<b>Asset Assessment</b>	<b>Response</b>
1. <i>Name of Asset manager that the items below was reviewed with.</i>	Meryl Posner
2. <i>Will the project result in an asset?</i>	Yes
3. <i>If yes, will the District own the asset?</i>	Yes
4. <i>Will the project increase the useful life of an existing asset?</i>	Yes

<b>Asset List</b>
<b>1. STA - North</b>
Rip-Rap Canals
Roadway at CR 15B, Box Culvert
Access Road
Inlet Control Structures
Outlet Control Structures
Concrete Weirs
Basin Drains
Stilling Wells Piping
Box Culverts
Concrete Overflow Spillways
Electrical Systems
Boat Ramps
Monitoring Platforms
Weed Barriers
Pizometers
Staff Gauges
Pre-cast Buidings
Bollards
Fence
Guardrail
Telemetry
<b>2. S-650 Pump Station</b>
Building
SCADA



Pumps

Electrical Motors

Generator

Trash Rack

Water Control Structure

Inlet Control Structures

Fence

**3. STA-South**

Rip-Rap Canals

Recreational Area (Kiosks, Composting Toilet)

Telemetry

Inlet Control Structures

Outlet Control Structures

Concrete Weirs

Basin Drains

Stilling Wells Piping

Box Culverts

Concrete Overflow Spillways

Electrical Systems

Boat Ramps

Monitoring Platforms

Weed Barriers

Pizometers

Staff Gauges

Pre-cast Buildings

Bollards

Fence

Guardrail

**4. S-191A Pump Station**

Building

Microwave Communication System

Pumps



Auto Control System
Electrical Motors
Generator
Trash Rack
Water Control Structure
Inlet Control Structures
Fuel Tanks
Guardrail
Fence
Bollards
Stilling Wells Piping
Monitoring Platform

PROJECT GOALS/OBJECTIVES

Goals & Objectives Listing
1. The goal of the project is to remove phosphorus in the stormwater runoff.
2. The objective is to treat stormwater runoff from the surrounding area and releases from Taylor Creek Reservoir (another LOFT component) before they enter Lake Okeechobee.
3. This project is meant to reduce the phosphorus load in the watershed and to Lake Okeechobee.
4. The success of the entire LOFT project will be measured by the amount of phosphorus removed.

PROJECT JUSTIFICATION

Justification
1. This project is part of the District's Lake Okeechobee and Estuary Recovery (LOER) initiative to improve the health of the lake by reducing phosphorus loads.
2. This STA is included in the Northern Everglades Technical Plan and is a component of the CERP Lake Okeechobee Watershed Project.
3.
4.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**FUNDING/COSTS/RESOURCES**

	Fiscal Year	Ad Valorem \$	Dedicated \$	Total FTE (hrs)	Total FTE \$	Total Ad Valorem Contract \$	Total \$
Year 1	2007	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Year 2	2008	<u>17,320</u>	<u>130,002.34</u>	<u>925</u>	<u>17,320</u>	<u>0</u>	<u>147,322.34</u>
Year 3	2009	<u>59,039</u>	<u>6,280,992.14</u>	<u>2527</u>	<u>59,039</u>	<u>0</u>	<u>6,340,031.14</u>
Year 4	2010	<u>245,490</u>	<u>10,996,026.16</u>	<u>4500</u>	<u>245,490</u>	<u>0</u>	<u>11,241,516.16</u>
Year 5	2011	<u>402,596</u>	<u>13,443,710.22</u>	<u>4822</u>	<u>402,596</u>	<u>0</u>	<u>13,846,306.22</u>
Year 6	2012	<u>194,332</u>	<u>5,594,293.68</u>	<u>3100</u>	<u>194,332</u>	<u>0</u>	<u>5,788,625.68</u>
Year 7	2013	<u>109,285</u>	<u>14,844,630.05</u>	<u>2900</u>	<u>109,285</u>	<u>0</u>	<u>14,953,915.05</u>
Year 8	2014	<u>64,382</u>	<u>23,910,494.47</u>	<u>1555</u>	<u>64,382</u>	<u>0</u>	<u>23,974,876.47</u>
Year 9	2015	<u>64,382</u>	<u>15,230,533.78</u>	<u>1555</u>	<u>64,382</u>	<u>0</u>	<u>15,294,915.78</u>
	<b>Grand Total</b>	<u>1,156,826</u>	<u>90,430,674.84</u>	<u>21,884</u>	<u>1,156,826</u>	<u>N/A</u>	<u>91,587,508.84</u>

**EXECUTIVE SUMMARY**

**Responsible Functional Area**

<b>Funding Source: I517</b>
1. 2210112000/101000/202000
2. 2214116000/202000/412000
3. 3315206000/202000/221000
4. 3314205000/202000/412000
5. 3314226000/202000/412000
6. 3314225200/202000/412000
7. 3316207100/202000
8. 4512168200/202000
9. 4513169000/202000
10. 5110171000/202000
11. 6130233000/202000
12.

**COSTS**

Actual Cost Settlement: The actual cost will be settled with ERCP and reimbursed by the Florida Department of Environmental Protection.





## RESOURCE REQUIREMENTS

The resource requirements are depicted in the table above for Funding-Total All Years.

## ASSUMPTIONS

- The scope, as identified in this document, will not be modified unless the modifications are approved by the Sponsors and Management Oversight Committee.
- If the Project Sponsors authorize a change to the scope, the schedule and project budget will be adjusted accordingly.
- The resources identified as project team members in this document will be made available at the time they are needed to execute their tasks.
- The project will be fully funded through its duration.

CONSTRAINTS: Available funding

## RELATED PROJECTS

Taylor Creek STA, Brady Ranch STA



**TEAM**

**PROJECT MANAGEMENT OVERSIGHT TEAM LISTING & RESPONSIBILITY**

*The oversight team provides guidance to the project manager. This team is typically made up of Management levels above the project manager and is responsible for approving policies, plans, standards, and procedures including quality assurance, risk management, and performance measurement plans. The oversight team approves changes, monitors performance and assists the project manager in resolving issues escalated by the project manager. Identify the name(s), role(s), and responsibilities of the Project Management Oversight Team. Note: The oversight team is not the team which is directly executing the project or responsible for planning, execution, or performance of any of its WBS elements or activities. The oversight team specifically excludes the PM, WBS Persons Responsible, WBS Applicants, & Activity /Activity Element resources.*

<b>Name</b>	<b>Role</b>	<b>Responsibility</b>
Larry Carter	ERCPC Assistant Dep. Exec Director	Approves policies and sets performance measures
John Dunnuck	ERCPC Business Services Director	Approves changes and funding, ERCPC
Karen Estock	O & M Dept. Director, Infrastructure Maintenance, North	Monitors performance and assists in resolving O&M infrastructure issues
Temperince Morgan	ERCPC Dept. Director, Policy and Coordination	Monitors performance and assists in resolving coordination issues
Susan Sylvester	O & M Dept. Director, Operations	Assists in resolving structure operations issues
Jeff Kivett	ERCPC Engineering Director	Monitors performance and assists in resolving engineering design issues
Ulrich Cordon	ERCPC Construction Director	Monitors performance and assists in resolving construction issues



**PROJECT TEAM LISTING**

*The project team is the list of team members, by name, directly supporting the project which is responsible for developing the strategies to deliver the project. The identified resources will be responsible for development, maintenance, and support of all project management plan elements throughout all project phases.*

*Project team members include: Project Manager, Project Manager Supervisor, and supporting functions. Supporting functions are all functions required for the project including but not limited to Budget, Finance, Assets, Permitting, Land, IT, Modeling, and Procurement. The supporting functions identified in the Person Responsible, & Applicant fields in Project System.*

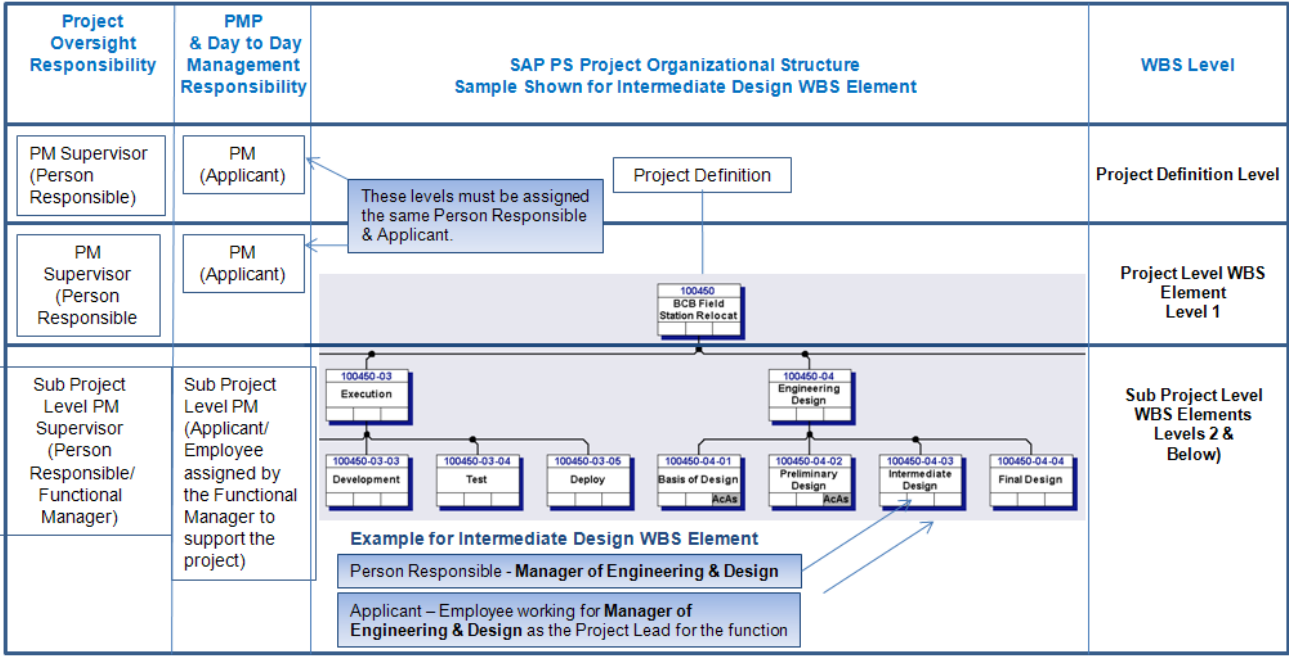
*The assigned (by BSD) Resource Area Project Control Specialist and or Subject Matter Expert will provide the project team with support in the use of this document for constructing, maintaining, and reporting their portion of the projects overall plan and performance through all project phases. It is the project team's responsibility to proactively request support resources in a timely manner with appropriate advance notice of business requirements and report cycles to insure accurate, up to date project information.*

USACE Project:  Y or  N (check one)

Name	Role	Responsibility
<b>Everglades Restoration &amp; Capital Projects Resources Area</b>		
Jian Cai	Applicant, ERCP Engineering Project Manager	PMP and day-to-day project management
Alan Shirkey	Project Manager Supervisor	Project oversight
John Mitnik	Responsible Manager, ERCP Engineering Projects	Oversight of engineering project management
Greg Cantelo	Responsible Manager, ERCP Engineering Design	Oversight of engineering project design
Mike Hiscock	Responsible Manager, ERCP Construction	Oversight of project construction
Richard Barnes	Responsible Project Manager, Surveying	Oversight of surveying
Matt Morrison	Responsible Manager, Planning	Oversight of planning
<b>Operation &amp; Maintenance Resources Area</b>		
Rich Virgil	Responsible Manager, OM	Oversight of OM and review
Raymond Peters	Responsible Manager, Field Operation	Oversight of field operation



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1. Additional WBS elements below level 2 may exist up through WBS level 7.
2. All elements must have responsible persons and applicants assigned. Resources assigned at the Activity Level(not shown) are managed on a day to day basis by the Applicant for the WBS the Activities are assigned to.

**Functional Managers (SAP PS Person Responsible):**

Once the project kick off meeting has occurred during the initiation of the project the functional managers are to estimate the required skill type & total FTE that is required by their function to support the project for the full projects duration.

The functional managers identified on the prior Team Listing will actively own their portion of the Project Management Plan for the function. They perform a managerial role and are to be actively managing their assigned WBS elements by working directly with the overall project manager and the functional lead employee (Applicant) which they have assigned to the project. The functional managers insure the requirements of the project and their function are met by proactively meeting with the overall project manager and Applicant to Initiate, Plan, Execute, Close, and Monitor & Control the project to the standards within this manual.

**Functional Project Lead (SAP PS Applicant):**

The functional managers assign a lead employee of the function to support the project: The lead employee assigned to the project for the function is assigned to the SAP PS Applicant field for their respective WBS elements identifying responsibility. The lead functional employee is to manage the WBS in the manner the overall project manager manages the project. The lead functional employee works closely with the project manager to insure their portion of the project work meets all requirements of the project as defined in this manual for all phases. The lead employee may also perform the role of the Functional Manager Employee described below for smaller work efforts where more than one functional person is not required to support the project.



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*Functional Employee (SAP PS Activity Resource or Activity Element Resource):  
 Additional employees that will directly be performing the day to day work will be assigned as resources to Activities or Activity Elements. These employees are coordinated by the Applicant for their assigned WBS. There must always be an assigned Applicant for each WBS.*

**Project Team Listing by Resource Area**

*The project manager is to complete the team table below based on the estimates provided by the functional managers after the project Initiation Kickoff Meeting.*

<b>Project Team Listing - Requirements by Resource Area</b>				
Functional Manger = Person Responsible, Applicant = Project Functional Lead identified by Functional manager, Resource = Functional Employee Performing work on project activities(s) assigned by the Functional Manager.				
List Functions	Functional Mngr.	Skill of Functional Employee	Identify Employee As Person Responsible , Applicant, or Resource	Total FTE Required for Complete Project
Everglades Restoration & Capital Proj.				
1. Engineering project management		Civil Engineering		1.9
2. Engineering design		Civil / Electrical /Mechanical, Engineering		1.0
3. Permitting		Permitting		0.2
4. Construction		Civil Engineering		4.8
5. Restoration Science		Science/hydrology		0.35
Operations and Maintenance				
1. Project identification		Civil Engineering		
2. Project initiation		Civil Engineering		
3. Project oversight		Civil Engineering		0.3
4. Project monitoring		Civil Engineering		0.85
Regulatory and Public Affairs				
1. Dewatering Permitting Evaluation		Hydro geologist		0.1
2.				
3.				
4.				
Corporate Resource				
1. Project monitoring and reporting		PMP Certification		0.2
2. Information Technology		Network Engineering		0.45
3.				
4.				
<b>Total Resource Requirements</b>				<b>10.15</b>

*Each Applicant identified above is responsible to support all phases of the project and insure all elements of the PMP are accurate for their portion (assigned WBS elements) of the project.*



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

When the Planning PMP and corresponding detailed SAP PS plan is developed (prior to request for Planning PMP approval), the Applicants and Resources above will be identified by name for each WBS in SAP Project System that they support and are assigned to in the project SAP PS fields as follows.

<b><i>Project Terminology</i></b>	<b><i>SAP PS Field</i></b>	<b><i>District Terminology</i></b>
<i>OBS</i>	<i>Person Responsible</i>	<i>Functional Manager for WBS</i>
<i>OBS</i>	<i>Applicant</i>	<i>Functional Lead for WBS</i>
<i>Resource</i>	<i>Activity / Activity Element Resource</i>	<i>Functional employee performing work under the direction of the Applicant.</i>



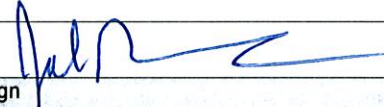
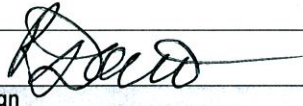
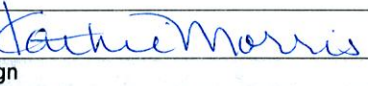
**PROJECT RESOURCE AREA TEAM COMMITMENT & SIGNATURES**

*The resource area's supporting the project with team members identified in the Project Team Listing & Requirements page of the PMP are to sign off on the commitment. It is expected that the supporting Resource Area's will own their portion of the Project Management Plan and be actively managing their assigned WBS elements from project initiation through closure while meeting the requirements of the project as well as their resource area.*

Business Services Directors:

*The Resource Area's BSD's commit to providing the functional resources identified on the prior Team Listing by signing off on the team listing commitment below. Actual names will be provided as noted below in order to disseminate the project PMP Template to its WBS owners so they may directly support the planning, execution, monitoring controlling, reporting, and closeout effort.*

**BSD Commitment to Provide Resources (by Resource Area)**

 <b>Project Team Listing - Commitment Sign Off by Resource Area</b>		
By signature below each Resource Area supporting the project commits to providing the necessary resources to support the project as identified in the Project Team Listing in the Team section of the PMP. Resources will be identified by name at the point the Initiation PMP is approved and construction of the Planning PMP begins.		
<b>Everglades Restoration and Capital Projects BSD</b>		
John Dunnuck	X	
Print:	Sign	Date 6/15/11
<b>Operations &amp; Maintenance BSD</b>		
Doug Bergstrom	X	
Print	Sign	Date 6/17/11
<b>Regulatory &amp; Public Affairs BSD</b>		
	X	
Print	Sign	Date
<b>Corporate Resources BSD</b>		
Kathie Morris	X	
Print	Sign	Date 6/20/2011



**SAP PROJECT SYSTEM ELEMENTS OF THE PMP**



*The sections (WBS through Plan Value) which follow contain PMP elements which are directly developed within SAP Project System.*

*These SAP Project System PMP elements are integrated into this document once they are developed in SAP PS to provide a single source of information for the PMP. As with all PMP elements this data must be revised each time an approved monitor/control change revises them.*

- WORK BREAKDOWN STRUCTURE
- ORGANIZATIONAL BREAKDOWN STRUCTURE
- WORK DEFINITION
- SCHEDULE
- RESOURCES
- PLANNED VALUE



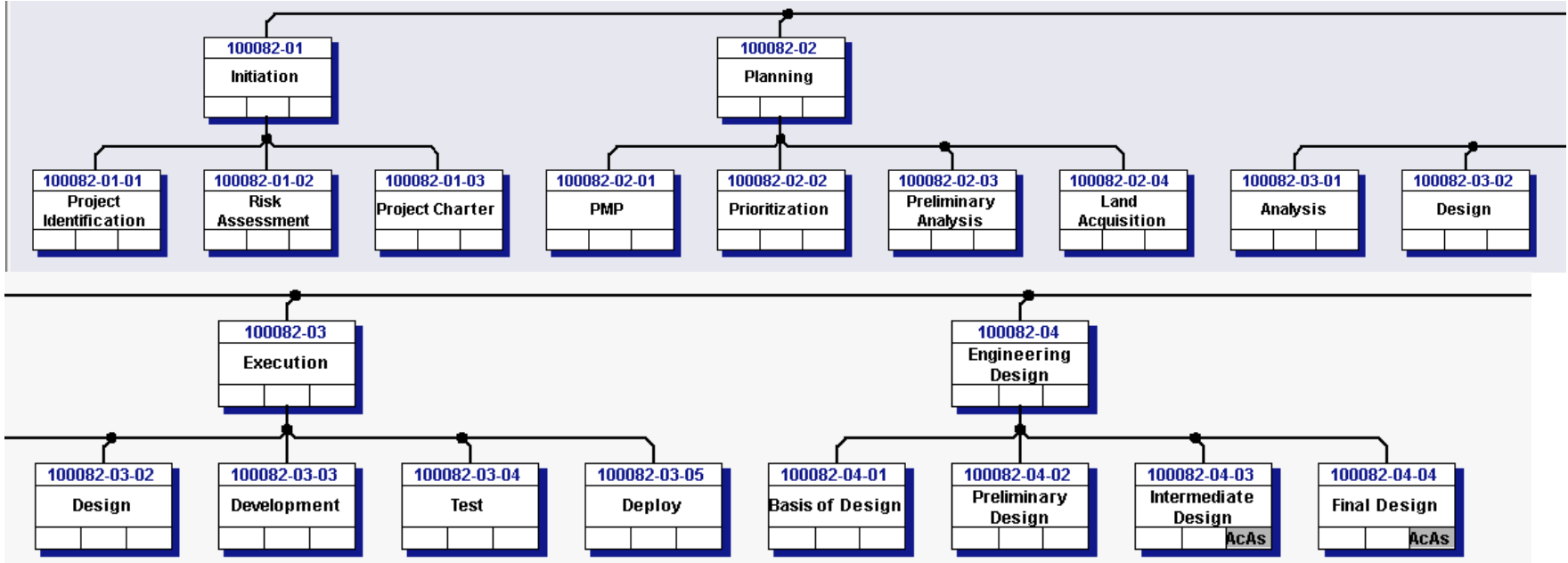


**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**WORK BREAKDOWN STRUCTURE (WBS)**

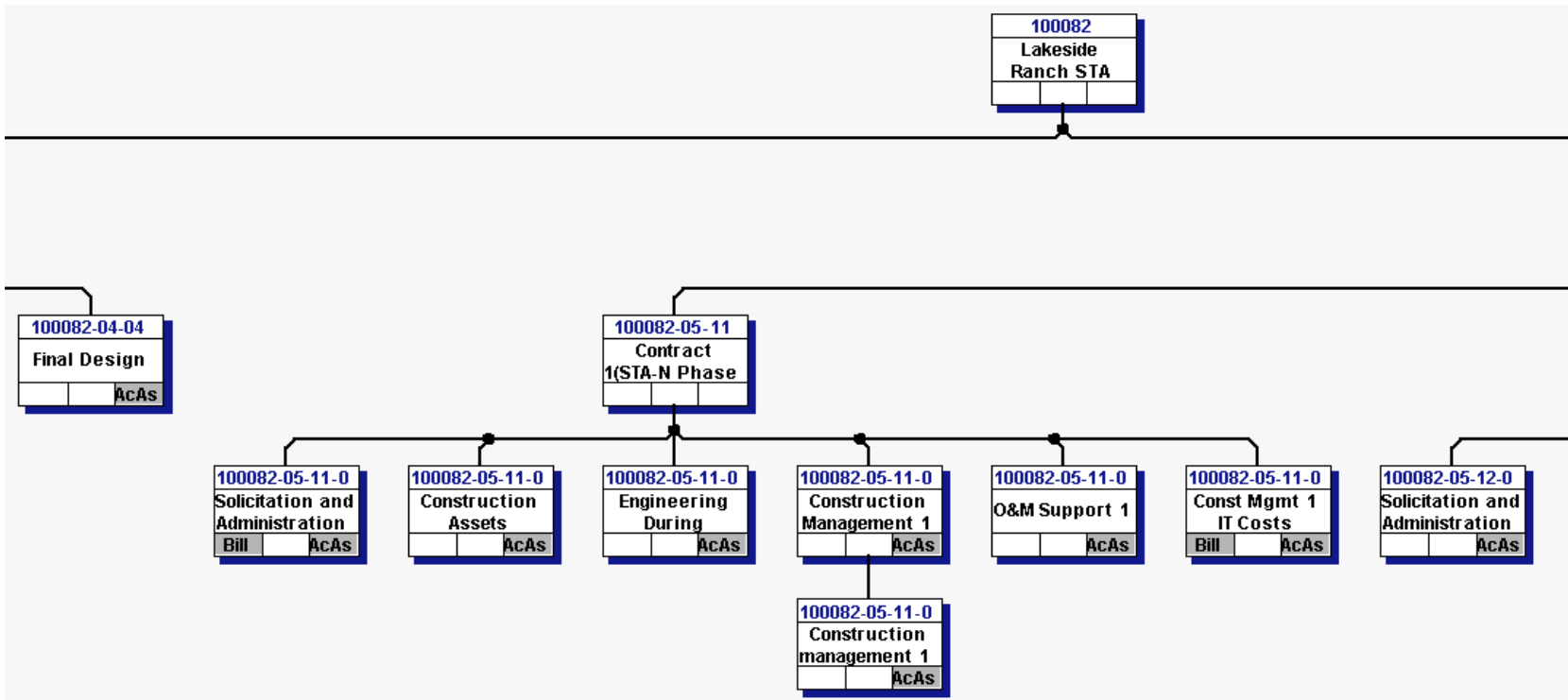
**WORK BREAKDOWN STRUCTURE CHART (BY WBS)**

**REFER TO SAP PROJECT SYSTEM REPORT: CJ20N FOR PS100082**



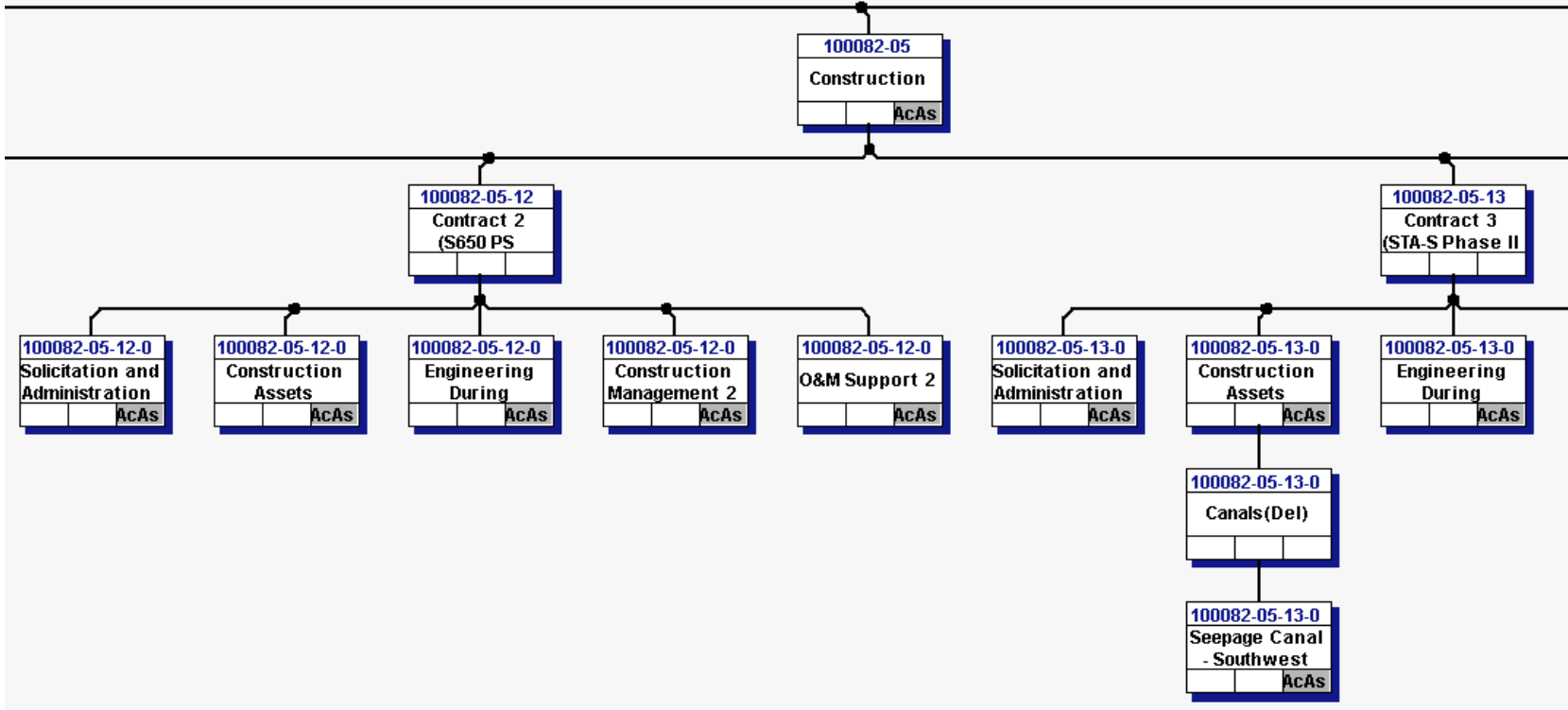


# SOUTH FLORIDA WATER MANAGEMENT DISTRICT



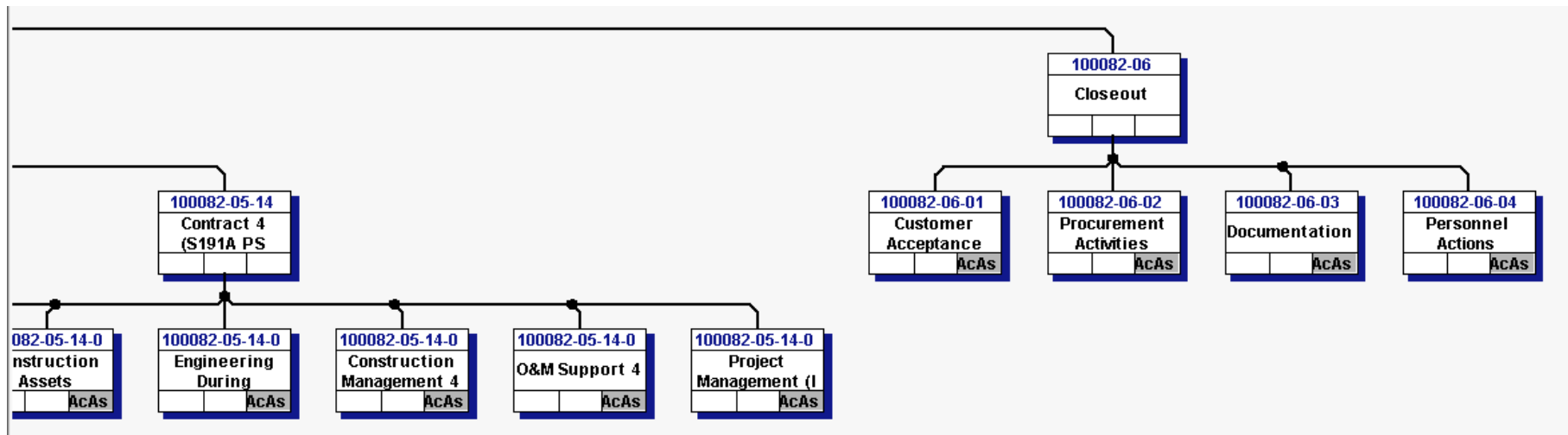
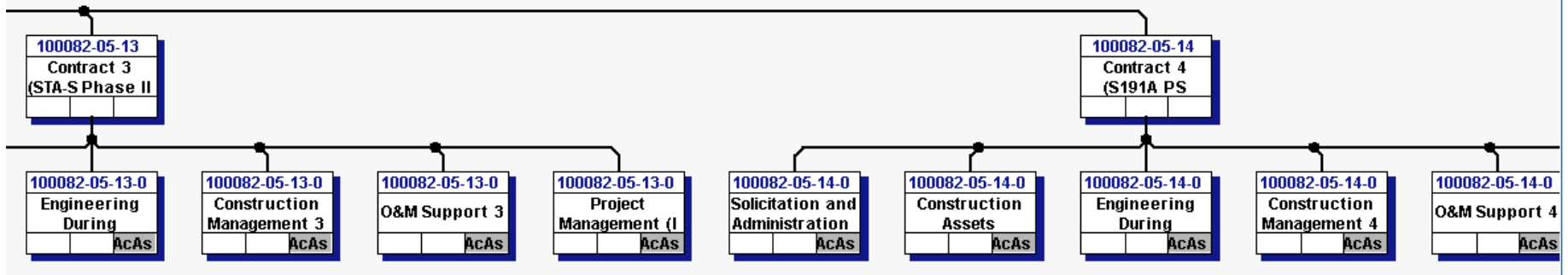


# SOUTH FLORIDA WATER MANAGEMENT DISTRICT





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**WORK BREAKDOWN STRUCTURE**

**WORK BREAKDOWN STRUCTURE TABULAR REPORT (BY WBS)**

**REFER TO SAP PROJECT SYSTEM REPORT: CN41 FOR PS100082**



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

	Project object	Project object	Project cost sch 000	Actual costs	Start (B)	Finish (B)	Act1 Start	Finish (A)	Work	Work (A)
	Lakeside Ranch STA	100082	91,539,849.84 USD	18,442,526.77 USD	08/31/2000	09/30/2015	07/15/2008	09/28/2012	21,884.0 HR	7,341.5
1	Lakeside Ranch STA	100082	91,539,849.84 USD	18,442,526.77 USD	08/31/2000	09/30/2015	07/15/2008	09/28/2012	21,884.0 HR	7,341.5
2	Initiation	100082-01	0.00 USD	0.00 USD	09/30/2005	10/01/2006				
3	Project Identification	100082-01-01	0.00 USD	0.00 USD	09/30/2005	10/01/2006				
3	Risk Assessment	100082-01-02	0.00 USD	0.00 USD	09/30/2005	10/01/2006				
3	Project Charter	100082-01-03	0.00 USD	0.00 USD	09/30/2005	10/01/2006				
2	Planning	100082-02	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	PMP	100082-02-01	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Prioritization	100082-02-02	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Preliminary Analysis	100082-02-03	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Land Acquisition	100082-02-04	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
2	Execution	100082-03	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Analysis	100082-03-01	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Design	100082-03-02	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Development	100082-03-03	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Test	100082-03-04	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
3	Deploy	100082-03-05	0.00 USD	0.00 USD	09/01/2000	10/01/2006				
2	Engineering Design	100082-04	1,852,446.26 USD	1,270,844.60 USD	09/01/2005	09/30/2015	07/15/2008	05/11/2011	1,252.0 HR	239.5
3	Basis of Design	100082-04-01	0.00 USD	0.00 USD	09/01/2005					
3	Preliminary Design	100082-04-02	0.00 USD	0.00 USD	09/01/2005					
3	Intermediate Design	100082-04-03	0.00 USD	0.00 USD	09/30/2005	06/21/2012				
4	Intermediate Design	4080505	0.00 USD	0.00 USD	09/30/2005	06/21/2012				
3	Final Design	100082-04-04	1,852,446.26 USD	1,270,844.60 USD	07/15/2008	09/30/2015	07/15/2008	05/11/2011	1,252.0 HR	239.5
4	Final Design	4080506	1,429,733.00 USD	1,191,548.25 USD	07/15/2008	09/30/2014	07/15/2008	04/12/2011		
4	Engineering Support	5002015	174,720.00 USD	46,175.98 USD	09/30/2010	09/30/2010				
4	Technical Review (O&M)	5002068	5,054.10 USD	0.00 USD	07/15/2008	09/30/2015			100.0 HR	0.0
4	Technical Review - Tech Services(INT)	5002163	10,720.45 USD	7,476.91 USD	02/17/2010	09/30/2015	02/17/2010	05/11/2011	200.0 HR	175.5
4	Technical Review - Construction	5002164	5,691.89 USD	0.00 USD	07/15/2008	09/30/2013			100.0 HR	0.0
4	Technical Review (IT)	5004865	871.57 USD	1,055.89 USD	07/15/2008	09/30/2015	06/24/2010	04/12/2011	852.0 HR	64.0
4	Technical Review (JJG - FY11)	5005337	84,918.43 USD	24,587.57 USD	07/15/2008	09/30/2011	07/15/2008	04/12/2011		
4	Technical Review (Alan Hall)	5005589	21,168.00 USD	0.00 USD	12/15/2010	09/28/2012				
4	Taylor	5005759	7,954.82 USD	0.00 USD	07/15/2008	09/30/2015				
4	Final Design (FY11)	5006872	111,614.00 USD	0.00 USD	07/15/2008	09/30/2015				
5	W003R5 - Engineering Design FY11	5006872	111,614.00 USD	0.00 USD						
2	Construction	100082-05	89,677,533.58 USD	17,171,682.17 USD	08/31/2000	09/30/2015	01/22/2009	09/28/2012	20,432.0 HR	7,102.0
3	Construction	4118164	1.00 USD	0.00 USD	08/31/2000	09/30/2015				
4	FPL Service	4118164	1.00 USD	0.00 USD						
3	Contract 1(STA-N Phase I)	100082-05-11	27,543,493.02 USD	13,986,337.33 USD	10/04/2007	09/30/2015	01/22/2009	09/28/2012	9,492.0 HR	6,529.5
4	Solicitation and Administration 1	100082-05-11-01	1,179,939.18 USD	329,561.21 USD	01/22/2009	09/30/2015	05/08/2009	09/28/2012	5,492.0 HR	2,894.0
4	Construction Assets Contract 1	100082-05-11-02	20,550,837.59 USD	10,592,575.67 USD	10/04/2007	09/28/2012				
4	Engineering During Construction 1	100082-05-11-03	2,206,270.58 USD	1,125,183.76 USD	01/22/2009	09/30/2015	06/08/2010	04/12/2011	500.0 HR	4.5
4	Construction Management 1	100082-05-11-04	3,577,127.01 USD	1,930,034.03 USD	01/22/2009	09/30/2015	01/22/2009	05/18/2011	3,100.0 HR	3,631.0
4	O&M Support 1	100082-05-11-05	20,336.00 USD	0.00 USD	01/22/2009	09/30/2013			400.0 HR	0.0
4	Const Mgmt 1 IT Costs	100082-05-11-06	8,982.66 USD	8,982.66 USD	02/17/2010	04/12/2011	02/17/2010	04/12/2011		
3	Contract 2 (S650 PS PHase I)	100082-05-12	8,080,406.50 USD	3,184,789.84 USD	04/04/2008	09/30/2014	11/17/2009	05/17/2011	3,980.0 HR	572.5
4	Solicitation and Administration 2	100082-05-12-01	27,735.94 USD	12,854.73 USD	05/26/2009	09/30/2014	11/17/2009	11/09/2010	280.0 HR	0.0
4	Construction Assets Contract 2	100082-05-12-02	7,879,000.00 USD	3,158,410.02 USD	04/04/2008	09/28/2012				
4	Engineering During Construction 2	100082-05-12-03	19,378.36 USD	50.49 USD	05/26/2009	09/30/2013	02/11/2011	03/29/2011	500.0 HR	4.250
4	Construction Management 2	100082-05-12-04	88,732.26 USD	1,427.28 USD	05/26/2009	09/30/2013	11/30/2010	05/17/2011	1,600.0 HR	75.0



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

+	4	Construction Management 2	100082-05-12-04	88,732.26 USD	1,427.28 USD	05/26/2009	09/30/2013	11/30/2010	05/17/2011	1,600.0 HR	75.0
-	4	O&M Support 2	100082-05-12-05	65,559.94 USD	12,047.32 USD	05/26/2009	09/30/2013	11/17/2009	05/17/2011	1,600.0 HR	493.250
+	5	CX - O&M Staff Internal Support 2	4081724 052	19,103.26 USD	572.57 USD		09/30/2013	12/08/2009	01/11/2010	400.0 HR	19.250
+	5	Field Station Internal Supports 2	4081724 054	13,798.64 USD	10,261.47 USD		09/30/2013	11/17/2009	04/05/2011	400.0 HR	417.5
+	5	CX - O&M Staff Internal Support 2	4081724 056	18,894.91 USD	0.00 USD					400.0 HR	0.0
+	5	Field Station Internal Supports 2(M	4081724 057	13,763.13 USD	1,213.28 USD			04/07/2011	05/17/2011	400.0 HR	56.5
-	3	Contract 3 (STA-6 Phase II)	100082-05-13	27,898,892.01 USD	0.00 USD	08/31/2000	09/30/2015			3,380.0 HR	0.0
+	4	Solicitation and Administration 3	100082-05-13-01	174,441.38 USD	0.00 USD	06/16/2009	09/30/2015			180.0 HR	0.0
+	4	Construction Assets Contract 3	100082-05-13-02	23,000,000.00 USD	0.00 USD	09/01/2000	09/30/2015				
+	4	Engineering During Construction 3	100082-05-13-03	1,974,493.30 USD	0.00 USD	06/16/2009	09/30/2015			500.0 HR	0.0
+	4	Construction Management 3	100082-05-13-04	2,730,021.18 USD	0.00 USD	06/16/2009	09/30/2015			1,400.0 HR	0.0
+	4	O&M Support 3	100082-05-13-05	19,936.15 USD	0.00 USD	06/16/2009	09/30/2015			400.0 HR	0.0
+	4	Project Management (INT)	100082-05-13-06	0.00 USD	0.00 USD	08/31/2000	09/30/2015			900.0 HR	0.0
-	3	Contract 4 (S191A PS Phase II)	100082-05-14	26,154,741.05 USD	555.00 USD	08/31/2000	09/30/2015			3,580.0 HR	0.0
+	4	Solicitation and Administration 4	100082-05-14-01	129,343.59 USD	555.00 USD	06/22/2009	09/30/2015			180.0 HR	0.0
+	4	Construction Assets Contract 4	100082-05-14-02	22,200,000.00 USD	0.00 USD	10/01/2013	09/30/2015				
+	4	Engineering During Construction 4	100082-05-14-03	1,619,499.37 USD	0.00 USD	06/22/2009	09/30/2015			500.0 HR	0.0
+	4	Construction Management 4	100082-05-14-04	2,185,955.52 USD	0.00 USD	06/22/2009	09/30/2015			1,600.0 HR	0.0
+	4	O&M Support 4	100082-05-14-05	19,942.57 USD	0.00 USD	06/22/2009	09/30/2015			400.0 HR	0.0
+	4	Project Management (INT)	100082-05-14-06	0.00 USD	0.00 USD	08/31/2000	09/30/2015			900.0 HR	0.0
-	2	Closeout	100082-06	9,870.00 USD	0.00 USD	09/01/2000	09/30/2015			200.0 HR	0.0
+	3	Customer Acceptance	100082-06-01	3,948.00 USD	0.00 USD	03/01/2012	09/30/2015			80.0 HR	0.0
+	3	Procurement Activities	100082-06-02	1,974.00 USD	0.00 USD	03/29/2012	08/04/2015			40.0 HR	0.0
+	3	Documentation	100082-06-03	1,974.00 USD	0.00 USD	04/26/2012	09/01/2015			40.0 HR	0.0
+	3	Personnel Actions	100082-06-04	1,974.00 USD	0.00 USD	05/24/2012	09/30/2015			40.0 HR	0.0



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**ORGANIZATIONAL BREAKDOWN STRUCTURE (OBS)**





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**ORGANIZATIONAL BREAKDOWN STRUCTURE BY OBS (RESPONSIBLE PERSONS & APPLICANTS WITH WBS)**

**REFER TO SAP PROJECT SYSTEM REPORT: CN43N OBS WITH WBS FOR PS100082**

Person responsible	Applicant	Lev	WBS element	Name	Basic start date	Finish (B)	Finish (F)	Actual start
John Mitnik	Jianchang Cai	1	100082	Lakeside Ranch STA	08/31/2000	09/30/2015		
John Mitnik	Jianchang Cai	2	100082-01	Initiation	09/30/2005	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-01-01	Project Identification	09/30/2005	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-01-02	Risk Assessment	09/30/2005	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-01-03	Project Charter	09/30/2005	10/01/2006		
John Mitnik	Jianchang Cai	2	100082-02	Planning	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-02-01	PMP	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-02-02	Prioritization	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-02-03	Preliminary Analysis	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-02-04	Land Acquisition	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	2	100082-03	Execution	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-03-01	Analysis	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-03-02	Design	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-03-03	Development	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-03-04	Test	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	3	100082-03-05	Deploy	09/01/2000	10/01/2006		
John Mitnik	Jianchang Cai	2	100082-04	Engineering Design	07/15/2008	09/30/2014		
John Mitnik	Jianchang Cai	3	100082-04-01	Basis of Design	09/01/2005			
John Mitnik	Jianchang Cai	3	100082-04-02	Preliminary Design	09/01/2005			
John Mitnik	Jianchang Cai	3	100082-04-03	Intermediate Design	09/30/2005	06/21/2012		
John Mitnik	Jianchang Cai	3	100082-04-04	Final Design	07/15/2008	09/30/2015		
John Mitnik	Jianchang Cai	2	100082-05	Construction	08/31/2000	09/30/2015		
John Mitnik	Jianchang Cai	3	100082-05-11	Contract 1 (STA-N Phase I)	01/22/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-11-01	Solicitation and Administration 1	01/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-11-02	Construction Assets Contract 1	10/04/2007	09/28/2012		
John Mitnik	Jianchang Cai	4	100082-05-11-03	Engineering During Construction 1	01/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-11-04	Construction Management 1	01/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	5	100082-05-11-04-01	Construction management 1 (EXP)	10/01/2010	10/01/2010		
John Mitnik	Jianchang Cai	4	100082-05-11-05	O&M Support 1	01/22/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-11-06	Const Mgmt 1 IT Costs	02/17/2010	04/12/2011		
John Mitnik	Jianchang Cai	3	100082-05-12	Contract 2 (S650 PS PHase I)	05/26/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-12-01	Solicitation and Administration 2	05/26/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-12-02	Construction Assets Contract 2	04/05/2008	09/28/2012		
John Mitnik	Jianchang Cai	4	100082-05-12-03	Engineering During Construction 2	05/26/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-12-04	Construction Management 2	05/26/2009	09/30/2013		
John Mitnik	Jianchang Cai	4	100082-05-12-05	O&M Support 2	05/26/2009	09/30/2013		



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

John Mitnik	Jianchang Cai	4	100082-05-12-05	O&M Support 2	05/26/2009	09/30/2013		
John Mitnik	Jianchang Cai	3	100082-05-13	Contract 3 (STA-S Phase II)	06/16/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-13-01	Solicitation and Administration 3	06/16/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-13-02	Construction Assets Contract 3	10/01/2013	09/30/2015		
John Mitnik	Jianchang Cai	5	100082-05-13-02-02	Canals(Del)	09/01/2000	06/21/2012		
Michael Hiscock	John Creswell	6	100082-05-13-02-...	Seepage Canal - Southwest	11/06/2009	06/21/2012		
John Mitnik	Jianchang Cai	4	100082-05-13-03	Engineering During Construction 3	06/16/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-13-04	Construction Management 3	06/16/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-13-05	O&M Support 3	06/16/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-13-06	Project Management (INT)	08/31/2000	09/30/2015		
John Mitnik	Jianchang Cai	3	100082-05-14	Contract 4 (S191A PS Phase II)	08/31/2000	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-01	Solicitation and Administration 4	06/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-02	Construction Assets Contract 4	10/01/2013	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-03	Engineering During Construction 4	06/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-04	Construction Management 4	06/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-05	O&M Support 4	06/22/2009	09/30/2015		
John Mitnik	Jianchang Cai	4	100082-05-14-06	Project Management (INT)	08/31/2000	09/30/2015		
John Mitnik	Jianchang Cai	2	100082-06	Closeout	09/01/2000	06/21/2012		
John Mitnik	Jianchang Cai	3	100082-06-01	Customer Acceptance	03/01/2012	03/28/2012		
John Mitnik	Jianchang Cai	3	100082-06-02	Procurement Activities	03/29/2012	08/04/2015		
John Mitnik	Jianchang Cai	3	100082-06-03	Documentation	04/26/2012	09/01/2015		
John Mitnik	Jianchang Cai	3	100082-06-04	Personnel Actions	05/24/2012	09/30/2015		



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## WORK DEFINITION

### WORK DEFINITION DETAILS WITH WBS, SCOPE, AND RESOURCE REQUIREMENTS

**REFER TO SAP PROJECT SYSTEM REPORT:      CN41N      FOR PS100082**

Project Structure Overview	Identification	Work	Work cent...	U...	Proj.cost plan	Duration	Person Respo...	Unit/du...
▼ Lakeside Ranch STA	100082	21,884.0		HR	91,539,849.84	3,827.0	00020218	HR
▼ ▲ Lakeside Ranch STA	100082	21,884.0		HR	91,539,849.84	9,999.9	00020218	HR
▶ ▲ Initiation	100082-01				0.00	6,048.0	00020218	HR
▶ ▲ Planning	100082-02				0.00	9,999.9	00020218	HR
▶ ▲ Execution	100082-03				0.00	9,999.9	00020218	HR
▼ ▲ Engineering Design	100082-04	1,252.0		HR	1,852,446.26	9,999.9	00020218	HR
▲ Basis of Design	100082-04-01				0.00	0.0	00020218	HR
▲ Preliminary Design	100082-04-02				0.00	0.0	00020218	HR
▼ ▲ Intermediate Design	100082-04-03				0.00	9,999.9	00020218	DAY
📁 Intermediate Design	4080505				0.00	1,689	202	DAY
▼ ▲ Final Design	100082-04-04	1,252.0		HR	1,852,446.26	9,999.9	00020218	DAY
▼ 📁 Final Design	4080506				1,429,733.00	1,563	202	DAY
▼ WO - Piezometer monitoring FY09	4080506 0010				56,000.00	0		DAY
📁 4080506 0010 1	4080506 0010 ...							
📁 WO - Piezometer monitoring future FY10	4080506 0020				86,706.00	0		DAY
📁 VOID WO - S191A STA South Revisions FY10	4080506 0030				0.00	0		DAY
📁 WO - S191A STA South Revisions FY10	4080506 0040				863,284.00	0		DAY
📁 WO03R5 - Engineering Design FY10	4080506 0050				218,071.00	0		DAY
📁 WO03R5 - Engineering Design FY11	4080506 0060				111,614.00	0		DAY
▼ 📁 Correction to 4080506 0010	4080506 0070				24,605.00			
📁 4080506 0070 1	4080506 0070 ...							
▼ 📁 Correction Again to 4080506/0010	4080506 0080				24,605.00			
📁 4080506 0080 1	4080506 0080 ...							
📁 WO03R7 (FY11)	4080506 0090				44,848.00	0		DAY
▼ 📁 Engineering Support	5002015				174,720.00	0	495	DAY
📁 VOID - Engineering Support (FY10 EXT)	5002015 0010				0.00	0		DAY
📁 FY10 Engineering Support Lakeside Ranch	5002015 0020				174,720.00	0		DAY
▼ 📁 Technical Review (O&M)	5002068	100.0		HR	5,054.10	1,815	176	DAY
▼ 📁 Tech Review Data Management (INT)	5002068 0010	100.0	EN350	HR	5,054.10	400		DAY
📁 ENGINEER PRINCIPAL	2000 EN350 /002	100.0	EN350	HR		400		DAY
▼ 📁 Technical Review - Tech Services(INT)	5002163	200.0		HR	10,720.45	1,417	176	DAY
▶ 📁 Tech Review (INT)	5002163 0010	200.0	EN350	HR	10,720.45	400		DAY
▶ 📁 Technical Review Support (Ext -A Hall)	5002163 0020				0.00	0		DAY
▼ 📁 Technical Review - Construction	5002164	100.0		HR	5,691.89	1,311	158	DAY



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Project Structure Overview	Identification	Work	Work cent...	U...	Proj.cost plan	Duration	Person Respo...	Unit/du...
▼  Technical Review - Construction	5002164	100.0		HR	5,691.89	1,311 158		DAY
▼  Tech Review -Construction (INT)	5002164 0010	100.0	EN350	HR	5,691.89	400		DAY
ENGINEER PRINCIPAL	2000 EN350 /002	100.0	EN350	HR		400		DAY
▼  Technical Review (IT)	5004865	852.0		HR	871.57	1,815 176		DAY
▶  Tech Review (INT) - FY10	5004865 0010	20.0	IT614	HR	871.57	0		DAY
▶  Tech Review (INT) - FY11	5004865 0020	832.0	IT625	HR	0.00	0		DAY
▼  Technical Review (JJG - FY11)	5005337				84,918.43	688 176		DAY
▶  Technical Review (JJG- FY11)	5005337 0010				24,596.00	0		DAY
▶  Internal Order Transferred (FY11)	5005337 0030				60,322.43	0		DAY
▼  Technical Review (Alan Hall)	5005589				21,168.00	452 235		DAY
Technical Review FY11	5005589 0010				10,584.00	0		DAY
Technical Review FY12	5005589 0020				10,584.00	0		DAY
▼  Taylor	5005759				7,954.82	1,815 006		DAY
Taylor Oct 2010 (100082)	5005759 0010				7,954.80	0		DAY
Taylor Nov 2010 (100082)	5005759 0020				0.01	0		DAY
Taylor Dec 2010 (100082)	5005759 0030				0.01	0		DAY
▼  Final Design (FY11)	5006872				111,614.00	1,815 158		DAY
WO03R5 - Engineering Design FY11	5006872 0010				111,614.00	0		DAY
▼  Construction	100082-05	20,432.0		HR	89,677,533.58	9,999.9 00020218		DAY
▼  Construction	4118164				1.00	3,827 202		DAY
FPL Service	4118164 0010				1.00	0		DAY
▼  Contract 1 (STA-N Phase I)	100082-05-11	9,492.0		HR	27,543,493.02	9,999.9 00020218		DAY
▼  Solicitation and Administration 1	100082-05-11-01	5,492.0		HR	1,179,939.18	9,999.9 00020218		DAY
▶  Component 1Project Coordination	4080558	2,560.0		HR	246,613.60	1,685 202		DAY
▶  Permitting and Compliance 1	5002036				85,730.70	0 342		DAY
▶  Permitting and Compliance 1(GT)	5002759				20,000.00	132 495		DAY
▶  Wetland Mitigation	5003932				39,658.00	209 342		DAY
▶  Engineering Support External	5004386				229,105.00	1,685 176		DAY
▶  IT Technical Review	5004926	832.0		HR	36,624.64	1,685 176		DAY
▶  Groundwater Baseline Monitoring	5005168				84,702.00	252 048		DAY
▶  Permitting and Compliance (FY11)	5005338				36,950.00	168 158		DAY
▶  Cultural Resources	5005573				99,687.73	1,685 018		DAY
▶  Wetland Mitigation FY11 and on	5005590				18,827.00	1,685 018		DAY
▶  Caracara Monitoring	5005645	100.0		HR	3,922.00	1,194 018		DAY
▶  FPL Contract (FY11)	5006678				51,158.81	0 176		DAY
▶  Wetland Monitoring	5006942				25,926.00	1,685 342		DAY
▶  Permitting and Compliance (FY12)	5006949				32,957.00	0 342		DAY
▶  Water Quality Plan & Compliance	5007047	2,000.0		HR	148,076.70	1,685 342		DAY



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

▶	Water Quality Plan & Compliance	5007047		2,000.0		HR	148,076.70	1,685 342	DAY
▶	Land Management	5007124					20,000.00	1,685 193	DAY
▼	Construction Assets Contract 1	100082-05-11-02					20,550,837.59	9,999.9 00020218	DAY
▶	Construction Assets Contract 1	4118599					12,975,088.55	1,253 158	DAY
▶	FY 11 Contracts	5005339					7,575,749.04	105 158	DAY
▼	Engineering During Construction 1	100082-05-11-03		500.0		HR	2,206,270.58	9,999.9 00020218	DAY
▶	EDC Staff Internal 1	4080558 0510		500.0 EN325		HR	19,194.58	0	DAY
▶	EDC Staff External - Service 1	4080558 0540					1.00	622	DAY
▶	WO - Engineering During Construction	5000010					1,081,539.00	1,685 202	DAY
▶	Engineering During Construction (3314)	5005356					1,095,596.24	410 158	DAY
▶	Engineering During Construction (3315)	5006601					9,939.76	0 176	DAY
▼	Construction Management 1	100082-05-11-04		3,100.0		HR	3,577,127.01	9,999.9 00020218	DAY
▶	CM Staff Internal Support 1	4080558 0450		1,400.0 CM220		HR	69,421.27	200	DAY
▶	CM Staff Internal Support 1	4080558 0590		1,400.0 CM220		HR	76,802.40	200	DAY
▶	WO - Construction Management	5000009					3,376,654.30	1,685 158	DAY
▶	IT Cost	5002003					27,066.84	678 158	DAY
▶	Antenna Pole and Installation	5002835					5,770.00	0 158	DAY
▶	Construction Management 1	5005428		300.0		HR	18,996.00	157 077	DAY
▶	Construction management 1 (EXP)	100082-05-11-04-01					2,416.20	24 00020218	DAY
▼	O&M Support 1	100082-05-11-05		400.0		HR	20,336.00	9,999.9 00020218	DAY
▶	O&M Staff Internal Support 1	4080558 0520		400.0 PM325		HR	20,336.00	200	DAY
▼	Const Mgmt 1 IT Costs	100082-05-11-06					8,982.66	6,960 00020218	DAY
▶	IT Equip/Instal JV 5002003 and 5002758	5003239					8,982.66	290 048	DAY
▼	Contract 2 (S650 PS PHase I)	100082-05-12		3,980.0		HR	8,080,406.50	9,999.9 00020218	DAY
▼	Solicitation and Administration 2	100082-05-12-01		280.0		HR	27,735.94	9,999.9 00020218	DAY
▶	Construction Contract 2	4081724		280.0		HR	14,308.64	1,095 202	DAY
▶	Permitting and Compliance 2(Culture Res)	5002931					13,427.30	1,095 347	DAY
▶	Pump Test	5005839					0.00	1,347 158	DAY
▼	Construction Assets Contract 2	100082-05-12-02					7,879,000.00	9,999.9 00020218	DAY
▶	FY10 S650 Pump Station - Contract 2	5001246					3,000,000.00	627 202	DAY
▶	FY11-12 S650 Pump Station - Contract 2	5001247					4,879,000.00	879 202	DAY
▼	Engineering During Construction 2	100082-05-12-03		500.0		HR	19,378.36	9,999.9 00020218	DAY
▶	EDC Staff Internal 2	4081724 0510		500.0 EN325		HR	19,378.36	600	DAY
▼	Construction Management 2	100082-05-12-04		1,600.0		HR	88,732.26	9,999.9 00020218	DAY
▶	CM Staff Internal Support 2	4081724 0450		1,600.0 CM220		HR	88,732.26	200	DAY
▼	O&M Support 2	100082-05-12-05		1,600.0		HR	65,559.94	9,999.9 00020218	DAY
▶	CX - O&M Staff Internal Support 2	4081724 0520		400.0 EN345		HR	19,103.26	200	DAY
▶	Field Station Internal Supports 2	4081724 0540		400.0 PST1010		HR	13,798.64	0	DAY



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Project Structure Overview	Identification	Work	Work cent...	U...	Proj.cost plan	Duration	Person Respo...	Unit/du...
▷  CX - O&M Staff Internal Support 2	4081724 0520	400.0	EN345	HR	19,103.26	200		DAY
▷  Field Station Internal Supports 2	4081724 0540	400.0	PST1010	HR	13,798.64	0		DAY
▷  CX - O&M Staff Internal Support 2 (New)	4081724 0560	400.0	EN345	HR	18,894.91	200		DAY
▷  Field Station Internal Supports 2(New)	4081724 0570	400.0	PST1010	HR	13,763.13	0		DAY
▽  Contract 3 (STA-8 Phase II)	100082-05-13	3,380.0		HR	27,898,892.01	9,999.9	00020218	DAY
▽  Solicitation and Administration 3	100082-05-13-01	180.0		HR	174,441.38	9,999.9	00020218	DAY
▷  Construction Contract 3	4081725	80.0		HR	4,070.39	1,584	202	DAY
▷  Permitting and Compliance 3	5003313	100.0		HR	170,252.00	1,584	342	DAY
▷  Permitting and Compliance 3 (3314)	5005425				118.99	1,584	158	DAY
▽  Construction Assets Contract 3	100082-05-13-02				23,000,000.00	9,999.9	00020218	DAY
▷  FY13 - 15 STA - South Contract 3	5003169				23,000,000.00	504	158	DAY
▷  Canals(Del)	100082-05-13-02-02				0.00	9,999.9	00020218	HR
▽  Engineering During Construction 3	100082-05-13-03	500.0		HR	1,974,493.30	9,999.9	00020218	DAY
▷  EDC Staff Internal 3	4081725 0510	500.0	EN325	HR	19,493.30	200		DAY
▷  Engineering During Construction 3	5003308				1,955,000.00	504	495	DAY
▽  Construction Management 3	100082-05-13-04	1,400.0		HR	2,730,021.18	9,999.9	00020218	DAY
▷  CM Staff Internal Support 3	4081725 0450	1,400.0	CM220	HR	75,021.18	200		DAY
▷  Construction Management 3	5003309				2,655,000.00	504	158	DAY
▽  O&M Support 3	100082-05-13-05	400.0		HR	19,936.15	9,999.9	00020218	DAY
▷  O&M Staff Internal Support 3	4081725 0520	400.0	EN345	HR	19,936.15	200		DAY
▽  Project Management (INT)	100082-05-13-06	900.0		HR	0.00	9,999.9	00020218	DAY
▷  Project Management (INT)	5007552	900.0		HR	0.00	3,827	176	DAY
▽  Contract 4 (S191A PS Phase II)	100082-05-14	3,580.0		HR	26,154,741.05	9,999.9	00020218	DAY
▽  Solicitation and Administration 4	100082-05-14-01	180.0		HR	129,343.59	9,999.9	00020218	DAY
▷  Construction Contract 4	4081726	80.0		HR	4,460.39	1,580	202	DAY
▷  Permitting and Compliance 4	5003312	100.0		HR	124,883.20	1,580	342	DAY
▽  Construction Assets Contract 4	100082-05-14-02				22,200,000.00	9,999.9	00020218	DAY
▷  FY13 - 15 S191A Pump Station Contract 4	5003172				22,200,000.00	504	158	DAY
▽  Engineering During Construction 4	100082-05-14-03	500.0		HR	1,619,499.37	9,999.9	00020218	DAY
▷  EDC Staff Internal 4	4081726 0510	500.0	EN325	HR	19,499.37	200		DAY
▷  Engineering During Construction 4	5003310				1,600,000.00	504	495	DAY
▽  Construction Management 4	100082-05-14-04	1,600.0		HR	2,185,955.52	9,999.9	00020218	DAY
▷  CM Staff Internal Support 4	4081726 0450	1,600.0	CM220	HR	85,955.52	200		DAY
▷  Construction Management 4	5003311				2,100,000.00	504	158	DAY
▽  O&M Support 4	100082-05-14-05	400.0		HR	19,942.57	9,999.9	00020218	DAY
▷  O&M Staff Internal Support 4	4081726 0520	400.0	PM325	HR	19,942.57	200		DAY
▽  Project Management (INT)	100082-05-14-06	900.0		HR	0.00	9,999.9	00020218	DAY
▷  Project Management (INT)	5007553	900.0		HR	0.00	3,827	176	DAY



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

▼ ⚠ Project Management (INT)	100082-05-14-06	900.0	HR	0.00	9,999.9	00020218	DAY
▷ 📁 Project Management (INT)	5007553	900.0	HR	0.00	3,827.176		DAY
▼ ⚠ Closeout	100082-06	200.0	HR	9,870.00	9,999.9	00020218	DAY
▼ ⚠ Customer Acceptance	100082-06-01	80.0	HR	3,948.00	480	00020218	DAY
▷ 📁 Closeout Network	4082103	80.0	HR	3,948.00	905.202		DAY
▷ ⚠ Procurement Activities	100082-06-02	40.0	HR	1,974.00	9,999.9	00020218	DAY
▷ ⚠ Documentation	100082-06-03	40.0	HR	1,974.00	9,999.9	00020218	DAY
▷ ⚠ Personnel Actions	100082-06-04	40.0	HR	1,974.00	9,999.9	00020218	DAY



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**CAPITOL WBS ELEMENTS  
CAPITOL WBS ELEMENTS (BY WBS)  
REFER TO SAP PROJECT SYSTEM REPORT: CN41      FOR PS 100082**





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Proj. def.	WBS element	Name	...	Inv. prof.	Int. prof.	Functional Area	Basic start date	Finish (B)
100082	100082	Lakeside Ranch STA				I517	08/31/2000	09/30/2015
100082	100082-01	Initiation				I517	09/30/2005	10/01/2006
100082	100082-01-01	Project Identification				I517	09/30/2005	10/01/2006
100082	100082-01-02	Risk Assessment				I517	09/30/2005	10/01/2006
100082	100082-01-03	Project Charter				I517	09/30/2005	10/01/2006
100082	100082-02	Planning				I517	09/01/2000	10/01/2006
100082	100082-02-01	PMP				I517	09/01/2000	10/01/2006
100082	100082-02-02	Prioritization				I517	09/01/2000	10/01/2006
100082	100082-02-03	Preliminary Analysis				I517	09/01/2000	10/01/2006
100082	100082-02-04	Land Acquisition				I517	09/01/2000	10/01/2006
100082	100082-03	Execution				I517	09/01/2000	10/01/2006
100082	100082-03-01	Analysis				I517	09/01/2000	10/01/2006
100082	100082-03-02	Design				I517	09/01/2000	10/01/2006
100082	100082-03-03	Development				I517	09/01/2000	10/01/2006
100082	100082-03-04	Test				I517	09/01/2000	10/01/2006
100082	100082-03-05	Deploy				I517	09/01/2000	10/01/2006
100082	100082-04	Engineering Design				I517	07/15/2008	09/30/2014
100082	100082-04-01	Basis of Design				I517	09/01/2005	
100082	100082-04-02	Preliminary Design				I517	09/01/2005	
100082	100082-04-03	Intermediate Design	X	ZPS01		I517	09/30/2005	06/21/2012
100082	100082-04-04	Final Design	X	ZPS01		I517	07/15/2008	09/30/2015
100082	100082-05	Construction	X	ZPS01		I517	08/31/2000	09/30/2015
100082	100082-05-11	Contract 1 (STA-N Phase I)				I517	01/22/2009	09/30/2013
100082	100082-05-11-01	Solicitation and Administration 1	X	ZPS01		I517	01/22/2009	09/30/2015
100082	100082-05-11-02	Construction Assets Contract 1	X	ZPS01		I517	10/04/2007	09/28/2012
100082	100082-05-11-03	Engineering During Construction 1	X	ZPS01		I517	01/22/2009	09/30/2015
100082	100082-05-11-04	Construction Management 1	X	ZPS01		I517	01/22/2009	09/30/2015
100082	100082-05-11-04-01	Construction management 1 (EXP)	X			I517	10/01/2010	10/01/2010
100082	100082-05-11-05	O&M Support 1	X	ZPS01		I517	01/22/2009	09/30/2013
100082	100082-05-11-06	Const Mgmt 1 IT Costs	X	ZPS01		I517	02/17/2010	04/12/2011
100082	100082-05-12	Contract 2 (S650 PS PHase I)				I517	05/26/2009	09/30/2013
100082	100082-05-12-01	Solicitation and Administration 2	X	ZPS01		I517	05/26/2009	09/30/2013
100082	100082-05-12-02	Construction Assets Contract 2	X	ZPS01		I517	04/05/2008	09/28/2012
100082	100082-05-12-03	Engineering During Construction 2	X	ZPS01		I517	05/26/2009	09/30/2013
100082	100082-05-12-04	Construction Management 2	X	ZPS01		I517	05/26/2009	09/30/2013
100082	100082-05-12-05	O&M Support 2	X	ZPS01		I517	05/26/2009	09/30/2013



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

100082	100082-05-12-05	O&M Support 2	X	ZPS01	1517	05/26/2009	09/30/2013
100082	100082-05-13	Contract 3 (STA-S Phase II)		ZPS01	1517	06/16/2009	09/30/2015
100082	100082-05-13-01	Solicitation and Administration 3	X	ZPS01	1517	06/16/2009	09/30/2015
100082	100082-05-13-02	Construction Assets Contract 3	X	ZPS01	1517	10/01/2013	09/30/2015
100082	100082-05-13-02-02	Canals(Del)			1517	09/01/2000	06/21/2012
100082	100082-05-13-02-...	Seepage Canal - Southwest	X	ZPS01	1517	11/06/2009	06/21/2012
100082	100082-05-13-03	Engineering During Construction 3	X	ZPS01	1517	06/16/2009	09/30/2015
100082	100082-05-13-04	Construction Management 3	X	ZPS01	1517	06/16/2009	09/30/2015
100082	100082-05-13-05	O&M Support 3	X	ZPS01	1517	06/16/2009	09/30/2015
100082	100082-05-13-06	Project Management (INT)	X	ZPS01	1517	08/31/2000	09/30/2015
100082	100082-05-14	Contract 4 (S191A PS Phase II)		ZPS01	1517	08/31/2000	09/30/2015
100082	100082-05-14-01	Solicitation and Administration 4	X	ZPS01	1517	06/22/2009	09/30/2015
100082	100082-05-14-02	Construction Assets Contract 4	X	ZPS01	1517	10/01/2013	09/30/2015
100082	100082-05-14-03	Engineering During Construction 4	X	ZPS01	1517	06/22/2009	09/30/2015
100082	100082-05-14-04	Construction Management 4	X	ZPS01	1517	06/22/2009	09/30/2015
100082	100082-05-14-05	O&M Support 4	X	ZPS01	1517	06/22/2009	09/30/2015
100082	100082-05-14-06	Project Management (INT)	X	ZPS01	1517	08/31/2000	09/30/2015
100082	100082-06	Closeout			1517	09/01/2000	06/21/2012
100082	100082-06-01	Customer Acceptance	X	ZPS01	1517	03/01/2012	03/28/2012
100082	100082-06-02	Procurement Activities	X	ZPS01	1517	03/29/2012	08/04/2015
100082	100082-06-03	Documentation	X	ZPS01	1517	04/26/2012	09/01/2015
100082	100082-06-04	Personnel Actions	X	ZPS01	1517	05/24/2012	09/30/2015



**SCHEDULE**

**PROJECT SCHEDULE DEVELOPMENT AND RESOURCE REQUIREMENTS**

*The project schedule represents the sequence of work as shown by the logic connecting each activity. The schedule accurately reflects the planned start and finish dates for all activities as well as the timing and value of expenditures.*

*All activities are planned below the lowest level of the business standard WBS structure and all activities are at the lowest level of the WBS which has been established for the project. This is the required level for all projects to manage scope, schedule, planned cost, actual cost, physical progress, performance, forecasts and estimates.*

SCHEDULE REPORTS & PURPOSE

1-2 EXECUTIVE LEVEL OVERVIEWS

3 FULL DETAIL SCHEDULE FOR USE BY THE PROJECT TEAM IN MANAGING SCHEDULE DETAILS

4 CRITICAL PATH – LIST OF ITEMS THAT WILL DELAY PROJECT IF NOT PERFORMED ON TIME.

5 MILESTONES MUST INCLUDE MILESTONES CORRESPONDING TO QUARTERLY ANNUAL WORK PLAN COMMITMENT ITEMS

6 ALL ACTIVITIES MUST INCLUDE ONE OR MORE PREDECESSORS AND SUCCESSORS EXCEPT FOR THE FIRST AND LAST

*Include the following reports by replacing the sample reports which follow with the reports for your project*

- |   |                                |
|---|--------------------------------|
| 1. Schedule Gantt Chart Level 2 (by WBS & ES)                       | Transaction CJ20N Variant_____ |
| 2. Schedule Gantt Chart Level 3 (by WBS & ES)                       | Transaction CJ20N Variant_____ |
| 3. Schedule Gantt Chart All Levels (by WBS & ES with critical path) | Transaction CJ20N Variant_____ |
| 4. Schedule Gantt Chart Critical Path Only (by WBS & ES)            | Transaction CJ20N Variant_____ |
| 5. Schedule Milestone (by WBS)                                      | Transaction CJ20N Variant_____ |
| 6. Schedule Predecessor & Successor Report                          | Transaction CN49N Variant_____ |



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

SCHEDULE GANTT CHART LEVEL 2 (BY WBS & ES)

REFER TO SAP PROJECT SYSTEM REPORT: **CJ20N** FOR **PS100082**

								Project: 100082 Lakeside Ranch STA																																													
S	Hi	ID	Description	Bsc fin.	Start date	Duratn	Act. sta	Act.fini	000	2001				2002				2003																																			
									4	1	2	3	4	1	2	3	4	1	2	3	4																																
<input checked="" type="checkbox"/>		100082	Lakeside Ranch STA	09/30/2015	08/31/2000	9,999.9 HR			0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
<input checked="" type="checkbox"/>		100082	Lakeside Ranch STA	09/30/2015	08/31/2000	9,999.9 HR																																															
<input checked="" type="checkbox"/>		100082-01	Initiation	10/01/2006	09/30/2005	6,048.0 HR																																															
<input checked="" type="checkbox"/>		100082-02	Planning	10/01/2006	09/01/2000	9,999.9 HR																																															
<input checked="" type="checkbox"/>		100082-03	Execution	10/01/2006	09/01/2000	9,999.9 HR																																															
<input checked="" type="checkbox"/>		100082-04	Engineering Design	09/30/2014	07/15/2008	9,999.9 HR																																															
<input checked="" type="checkbox"/>		100082-05	Construction	09/30/2015	08/31/2000	9,999.9 HR																																															
<input checked="" type="checkbox"/>		100082-06	Closeout	06/21/2012	09/01/2000	9,999.9 HR																																															





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

<input checked="" type="checkbox"/>	100082-04	Engineering Design	09/30/2014	07/15/2008	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-04-01	Basis of Design		09/01/2005			
<input checked="" type="checkbox"/>	100082-04-02	Preliminary Design		09/01/2005			
<input checked="" type="checkbox"/>	100082-04-03	Intermediate Design	06/21/2012	09/30/2005	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-04-04	Final Design	09/30/2015	07/15/2008	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-05	Construction	09/30/2015	08/31/2000	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-05-11	Contract 1(STA-N Phas	09/30/2013	01/22/2009	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-05-12	Contract 2 (S650 PS P	09/30/2013	05/26/2009	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-05-13	Contract 3 (STA-S Pha	09/30/2015	06/16/2009	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-05-14	Contract 4 (S191A PS	09/30/2015	08/31/2000	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-06	Closeout	06/21/2012	09/01/2000	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-06-01	Customer Acceptance	03/28/2012	03/01/2012	480.0 HR		
<input checked="" type="checkbox"/>	100082-06-02	Procurement Activities	08/04/2015	03/29/2012	9,999.9 HR		
<input checked="" type="checkbox"/>	100082-06-03	Documentation	09/01/2015	04/26/2012	9,999.9 HR		
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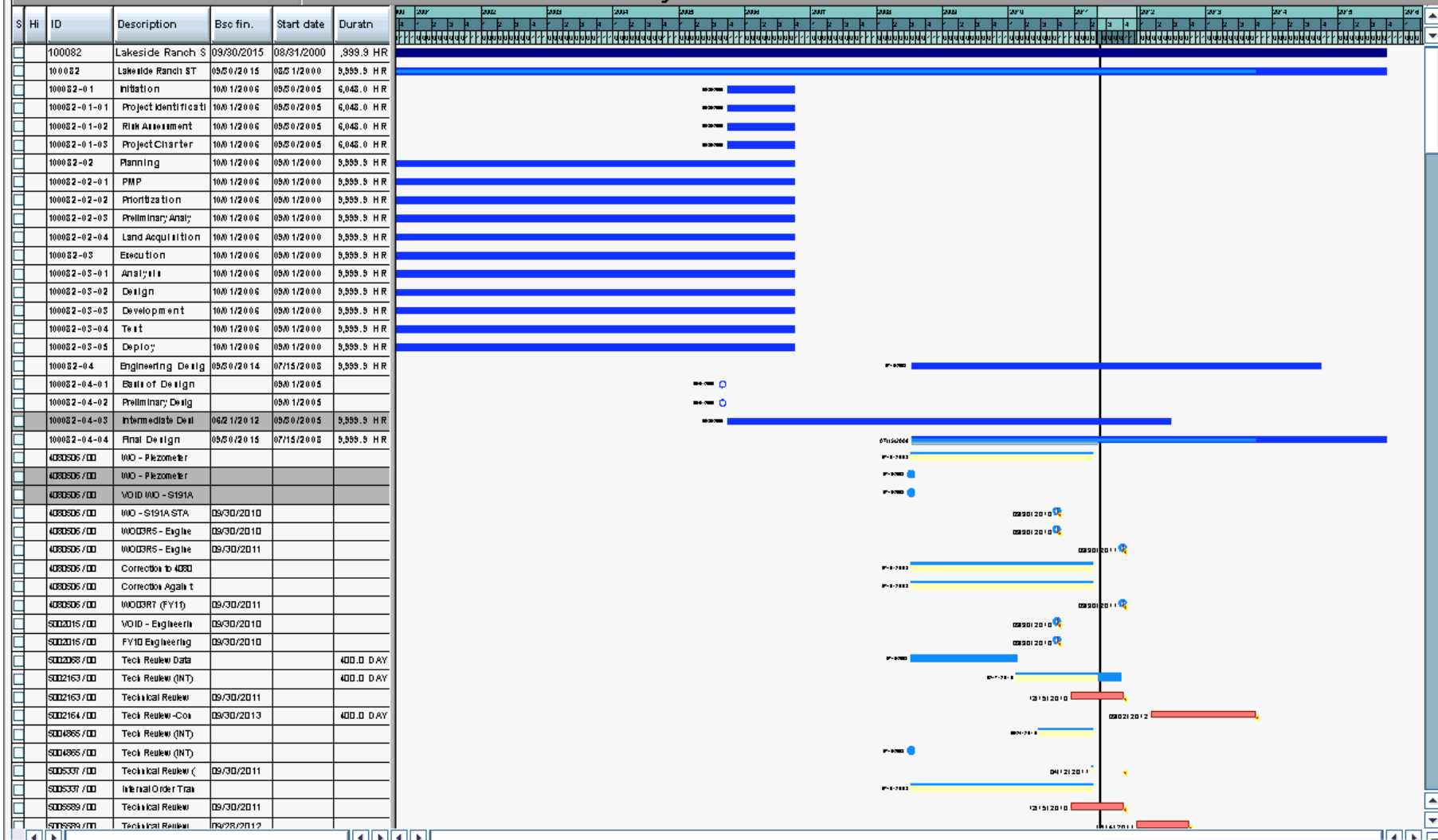


# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## SCHEDULE TIME SCALED LOGIC DIAGRAM ALL LEVELS (BY WBS & ES WITH CRITICAL PATH)

REFER TO SAP PROJECT SYSTEM REPORT: **CJ20N** FOR PS100082

Project: 100082 Lakeside Ranch STA



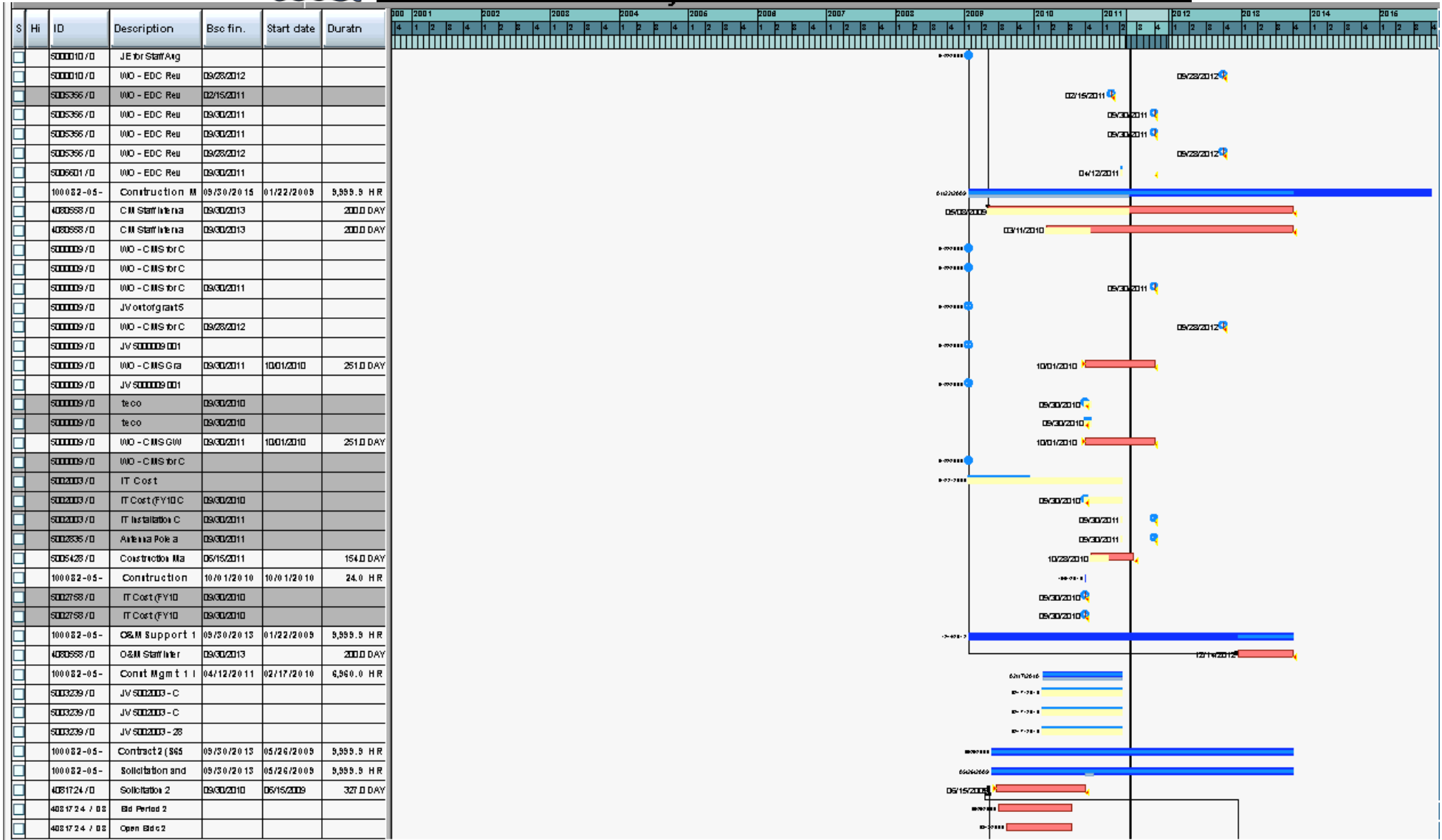








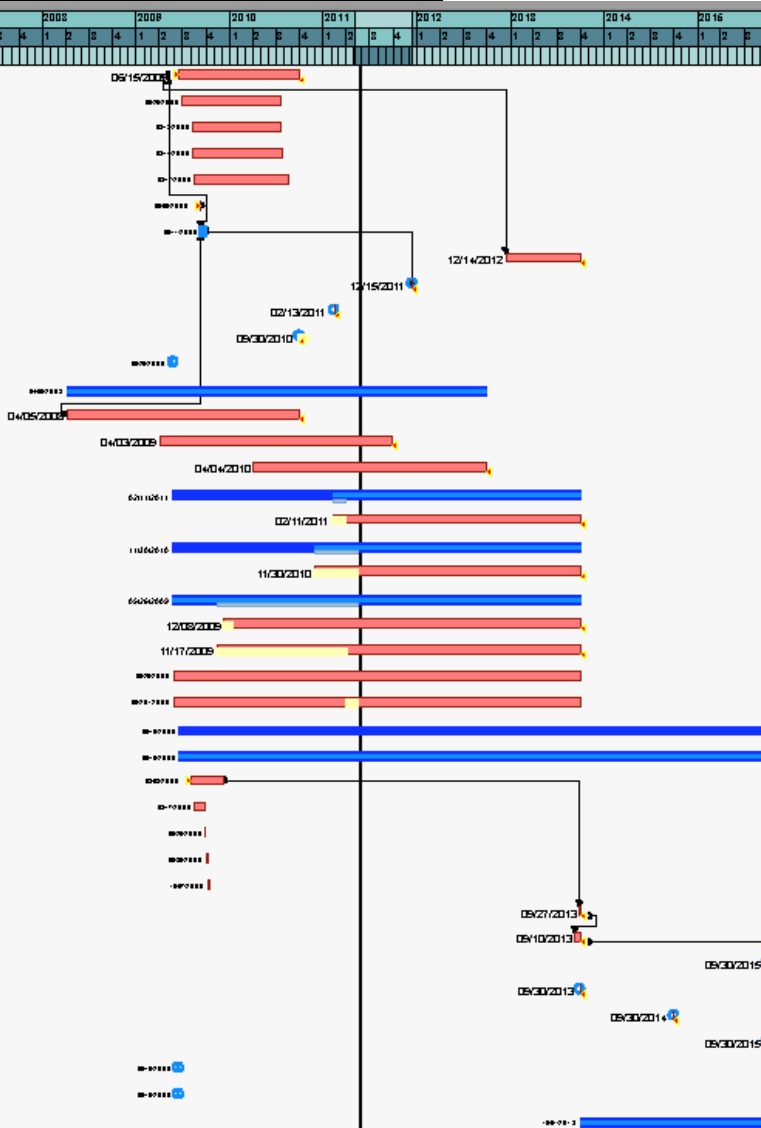
# SOUTH FLORIDA WATER MANAGEMENT DISTRICT





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

S	Hi	ID	Description	Bso fin.	Start date	Duratr																																																
<input type="checkbox"/>		4081724 / 0	Solicitation 2	08/30/2010	05/15/2009	327 D DAY																																																
<input type="checkbox"/>		4081724 / 02	Bid Period 2																																																			
<input type="checkbox"/>		4081724 / 03	Open Bids																																																			
<input type="checkbox"/>		4081724 / 04	Select Tentative																																																			
<input type="checkbox"/>		4081724 / 05	MB - OB Coord. t																																																			
<input type="checkbox"/>		4081724 / 0	MS - Present C		09/09/2009	2 D DAY																																																
<input type="checkbox"/>		4081724 / 0	MS - NTP Coast			15 D DAY																																																
<input type="checkbox"/>		4081724 / 0	Project Manage	08/30/2013		200 D DAY																																																
<input type="checkbox"/>		4081724 / 0	MS - Substantial		12/15/2011																																																	
<input type="checkbox"/>		4081724 / 0	MS - Final Com		02/13/2011																																																	
<input type="checkbox"/>		5002931 / 0	Canine Res. St	08/30/2010																																																		
<input type="checkbox"/>		5002931 / 0	Canine Res. St																																																			
<input type="checkbox"/>		100082-05-	Construction A	05/28/2012	04/05/2008	3,889.9 H R																																																
<input type="checkbox"/>		5001246 / 0	FY10 S650 P/m	08/30/2010																																																		
<input type="checkbox"/>		5001247 / 0	FY11 S650 P/m	08/30/2011		249 D DAY																																																
<input type="checkbox"/>		5001247 / 0	FY12 S650 P/m	08/30/2012		124 D DAY																																																
<input type="checkbox"/>		100082-05-	Engineering Cu	05/15/2013	05/26/2009	3,889.9 H R																																																
<input type="checkbox"/>		4081724 / 0	EDC Staff Intern	08/30/2013		800 D DAY																																																
<input type="checkbox"/>		100082-05-	Construction M	05/15/2013	05/26/2009	3,889.9 H R																																																
<input type="checkbox"/>		4081724 / 0	CM Staff Intern	08/30/2013		200 D DAY																																																
<input type="checkbox"/>		100082-05-	CM Support 2	05/15/2013	05/26/2009	3,889.9 H R																																																
<input type="checkbox"/>		4081724 / 0	CX - O&M Staff	08/30/2013		200 D DAY																																																
<input type="checkbox"/>		4081724 / 0	Field Station Int	08/30/2013																																																		
<input type="checkbox"/>		4081724 / 0	CX - O&M Staff			200 D DAY																																																
<input type="checkbox"/>		4081724 / 0	Field Station Int																																																			
<input type="checkbox"/>		100082-05-	Contracts (STA-	05/15/2015	05/16/2009	3,889.9 H R																																																
<input type="checkbox"/>		100082-05-	Solicitation and	05/15/2015	05/16/2009	3,889.9 H R																																																
<input type="checkbox"/>		4081725 / 0	Solicitation 3		08/03/2009	90 D DAY																																																
<input type="checkbox"/>		4081726 / 02	Bid Period 2																																																			
<input type="checkbox"/>		4081726 / 03	Open Bids																																																			
<input type="checkbox"/>		4081726 / 04	Select Tentative																																																			
<input type="checkbox"/>		4081726 / 05	MB - OB Coord. t																																																			
<input type="checkbox"/>		4081725 / 0	MS - Present C	08/30/2013		2 D DAY																																																
<input type="checkbox"/>		4081725 / 0	MS - NTP Coast	08/30/2013		15 D DAY																																																
<input type="checkbox"/>		4081725 / 0	MS - Substantial	08/30/2015																																																		
<input type="checkbox"/>		5003313 / 0	Permitting and	08/30/2013		252 D DAY																																																
<input type="checkbox"/>		5003313 / 0	Permitting and	08/30/2014																																																		
<input type="checkbox"/>		5003313 / 0	Permitting and	08/30/2015																																																		
<input type="checkbox"/>		5003313 / 0	Internal Support																																																			
<input type="checkbox"/>		5005425 / 0	Permit Complete																																																			
<input type="checkbox"/>		100082-05-	Construction A	05/15/2015	10/01/2013	3,889.9 H R																																																









**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

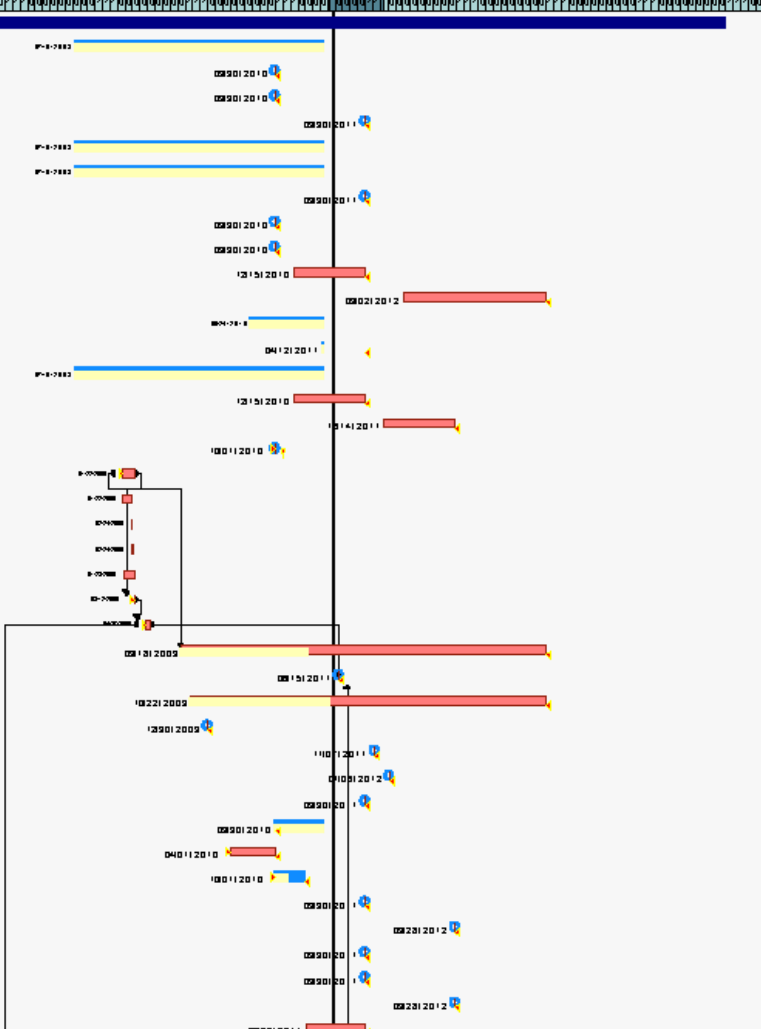
**SCHEDULE GANTT CHART CRITICAL PATH ONLY (BY WBS & ES)**

**REFER TO SAP PROJECT SYSTEM REPORT: CJ20N FOR PS100082**



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

S	Hi	ID	Description	Bsc fin.	Start date	Duratr	2011												2012												2013												2014											
							1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
		100082	Lakeside Ranch S	09/30/2015	09/31/2000	,399.9 HR																																																
		4080506 / 00	W0 - Plezometer																																																			
		4080506 / 00	W0 - S191A STA	09/30/2010																																																		
		4080506 / 00	W003R5 - Engine	09/30/2010																																																		
		4080506 / 00	W003R5 - Engine	09/30/2011																																																		
		4080506 / 00	Correction to 4080																																																			
		4080506 / 00	Correction Again t																																																			
		4080506 / 00	W003R7 (FY11)	09/30/2011																																																		
		S002015 / 00	VOID - Engineeri	09/30/2010																																																		
		S002015 / 00	FY10 Engineeri	09/30/2010																																																		
		S002163 / 00	Technical Review	09/30/2011																																																		
		S002164 / 00	Tech Review-Con	09/30/2013		400.0 DAY																																																
		S004865 / 00	Tech Review (NT)																																																			
		S005337 / 00	Technical Review (	09/30/2011																																																		
		S005337 / 00	Internal Order Tra																																																			
		S005589 / 00	Technical Review	09/30/2011																																																		
		S005589 / 00	Technical Review	09/28/2012																																																		
		S005759 / 00	Taylor Oct2010 (1	11/01/2010	10/01/2010																																																	
		4080588 / 03	Solicitation 1		01/22/2009	34.0 DAY																																																
		4080668 / 027	Bid Period 1																																																			
		4080668 / 027	Open Bid c o																																																			
		4080668 / 027	Releather to us W																																																			
		4080668 / 027	MB - GB Coord. to																																																			
		4080588 / 04	MS - Present Cost		03/12/2009	1.0 DAY																																																
		4080588 / 04	MS - NTP Constr		04/27/2009	14.0 DAY																																																
		4080588 / 04	Project Managem	09/30/2013		200.0 DAY																																																
		4080588 / 05	MS - Substantial	06/15/2011																																																		
		4080588 / 05	Permitting and Co	09/30/2013		200.0 DAY																																																
		4080588 / 05	Groundwater Moni	12/30/2009																																																		
		4080588 / 05	MS - Substantial	11/07/2011																																																		
		4080588 / 05	MS - Final Compl	01/06/2012																																																		
		S002036 / 00	Permitting and Co	09/30/2011																																																		
		S002789 / 00	Ft. Basinger GTF	09/30/2010																																																		
		S003932 / 00	Wetland Mitigatio	09/30/2010	04/01/2010	128.0 DAY																																																
		S003932 / 00	Wetland Mitigatio	01/31/2011	10/01/2010	81.0 DAY																																																
		S004386 / 00	FY 11 Engineeri	09/30/2011																																																		
		S004386 / 00	FY 12 Engineeri	09/28/2012																																																		
		S004926 / 00	Tech Review (NT)	09/30/2011																																																		
		S005168 / 00	W0-Plezometer	09/30/2011																																																		
		S005168 / 00	W0-Plezometer	09/28/2012																																																		
		S005336 / 00	Permitting and Co	09/30/2011																																																		





### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

S	Hi	ID	Description	Bsc fin.	Start date	Duratn	Timeline (2010-2016)																																																																																															
		5005338 / 00	Permitting and Co	09/30/2011																																																																																																		
		5005678 / 00	FPL Contract Infr	09/30/2011																																																																																																		
		5005699 / 00	Permitting and Co	09/28/2012																																																																																																		
		4118599 / 00	FY09 Generalizat	09/30/2009																																																																																																		
		4118599 / 00	FY09 Perimeter L	09/30/2009																																																																																																		
		4118599 / 00	FY09 Internal Lau	09/30/2009																																																																																																		
		4118599 / 00	FY09 Canal	09/30/2009																																																																																																		
		4118599 / 00	FY09 Canals	09/30/2009																																																																																																		
		4118599 / 00	FY09 Gated Struc	09/30/2009																																																																																																		
		4118599 / 00	FY10 General Co	09/30/2010																																																																																																		
		4118599 / 00	FY10 STA	09/30/2010																																																																																																		
		4118599 / 00	FY12 STA	09/28/2012	10/03/2011	67.0 DAY																																																																																																
		4118599 / 01	FY10 Final Invoic	09/30/2010																																																																																																		
		5005339 / 00	FY11 STA	09/30/2011																																																																																																		
		5005339 / 00	FY11 STA Additio	09/30/2011																																																																																																		
		5005339 / 00	Change Order No.	01/06/2012																																																																																																		
		5005339 / 00	Change Order No.	03/02/2012																																																																																																		
		4090588 / 05	EDC Staff Internal	09/30/2013																																																																																																		
		5000010 / 00	WD - EDC Reu 1	09/30/2010																																																																																																		
		5000010 / 00	WD - EDC Reu 2	09/30/2010																																																																																																		
		5000010 / 01	WD - EDC Reu 4	09/28/2012																																																																																																		
		5005356 / 00	WD - EDC Reu 3	02/15/2011																																																																																																		
		5005356 / 00	WD - EDC Reu 3	09/30/2011																																																																																																		
		5005356 / 00	WD - EDC Reu 3	09/30/2011																																																																																																		
		5005356 / 00	WD - EDC Reu 3	09/28/2012																																																																																																		
		5005601 / 00	WD - EDC Reu 3	09/30/2011																																																																																																		
		4090588 / 04	CM Staff Internal	09/30/2013		200.0 DAY																																																																																																
		4090588 / 05	CM Staff Internal	09/30/2013		200.0 DAY																																																																																																
		5000009 / 00	WD - CMS for Co	09/30/2011																																																																																																		
		5000009 / 00	WD - CMS for Co	09/28/2012																																																																																																		
		5000009 / 00	WD - CMS Grant	09/30/2011	10/01/2010	251.0 DAY																																																																																																
		5000009 / 01	te-co	09/30/2010																																																																																																		
		5000009 / 01	te-co	09/30/2010																																																																																																		
		5000009 / 01	WD - CMS G/WH	09/30/2011	10/01/2010	251.0 DAY																																																																																																
		5002003 / 00	IT Cost (FY10 Ca	09/30/2010																																																																																																		
		5002003 / 00	IT Installation Cos	09/30/2011																																																																																																		
		5002635 / 00	Antenna Pole and	09/30/2011																																																																																																		
		5005426 / 00	Construction Man	05/15/2011		154.0 DAY																																																																																																
		5002758 / 00	IT Cost (FY10 Ex	09/30/2010																																																																																																		
		5002758 / 00	IT Cost (FY10 Ex	09/30/2010																																																																																																		
		4090588 / 05	O&M Staff Intern	09/30/2013		200.0 DAY																																																																																																
		5003239 / 00	JV 5002003 - Cat																																																																																																			
		5003239 / 00	JV 5002003 - Cat																																																																																																			

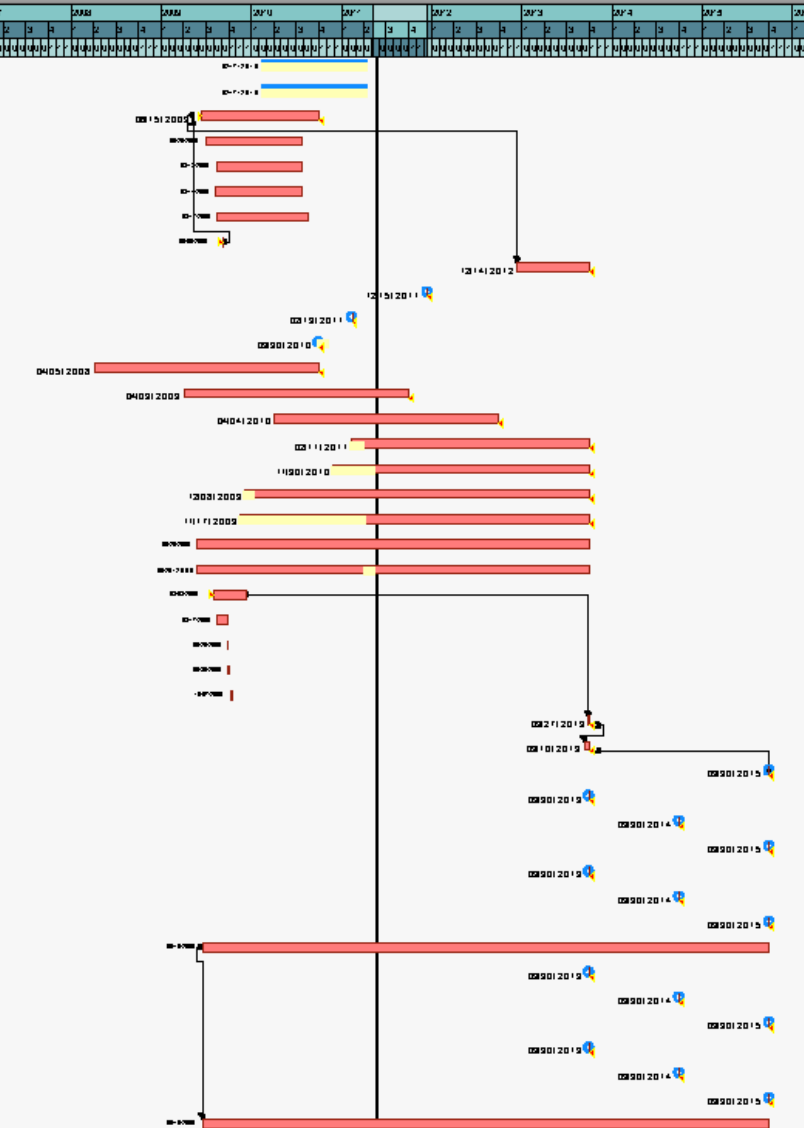




# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Project: 10082 Lakeside Ranch STA

S	Hi	ID	Description	Bso fin.	Start date	Duratr
		S003239 / 00	JV S002003 - Cat			
		S003239 / 00	JV S002003 - 262			
		4081724 / 03	Solicitation 2	08/30/2010	06/15/2009	327.0 DAY
		4081724 / 03.7	Bid Period 2			
		4081724 / 03.7	Open Bid c 2			
		4081724 / 03.7	Selective Bid W			
		4081724 / 03.7	MS - OB Coord. Is			
		4081724 / 04	MS - PresentCoit		09/09/2009	2.0 DAY
		4081724 / 04	Project Managem	08/30/2013		200.0 DAY
		4081724 / 05	MS - Substantial	12/15/2011		
		4081724 / 05	MS - Final Compl	02/13/2011		
		S002931 / 00	Centre Res. Stru	08/30/2010		
		S001246 / 00	FY10 S660 Pimp	08/30/2010		
		S001247 / 00	FY11 S660 Pimp	08/28/2011		249.0 DAY
		S001247 / 00	FY12 S660 Pimp	08/28/2012		124.0 DAY
		4081724 / 05	EDC Staff Internal	08/30/2013		600.0 DAY
		4081724 / 04	CM Staff Internal	08/30/2013		200.0 DAY
		4081724 / 05	CX - O&M Staff Is	08/30/2013		200.0 DAY
		4081724 / 05	Field Station Inter	08/30/2013		
		4081724 / 05	CX - O&M Staff Is			200.0 DAY
		4081724 / 05	Field Station Inter			
		4081725 / 03	Solicitation 3	08/03/2009		90.0 DAY
		4081726 / 03.7	Bid Period 2			
		4081726 / 03.7	Open Bid c 2			
		4081726 / 03.7	Selective Bid W			
		4081726 / 03.7	MS - OB Coord. Is			
		4081725 / 04	MS - PresentCoit	08/30/2013		2.0 DAY
		4081725 / 04	MS - NTP Constr	08/30/2013		15.0 DAY
		4081725 / 05	MS - Substantial	08/30/2015		
		S003313 / 00	Permitting and Co	08/30/2013		252.0 DAY
		S003313 / 00	Permitting and Co	08/30/2014		
		S003313 / 00	Permitting and Co	08/30/2015		
		S003169 / 00	FY13 STA - South	08/30/2013		
		S003169 / 00	FY14 STA - South	08/30/2014		
		S003169 / 00	FY15 STA - South	08/30/2015		
		4081725 / 05	EDC Staff Internal			200.0 DAY
		S003308 / 00	WD - EDC Contra	08/30/2013		252.0 DAY
		S003308 / 00	WD - EDC Contra	08/30/2014		
		S003308 / 00	WD - EDC Contra	08/30/2015		
		S003308 / 00	Vehicle Reimburs	08/30/2013		
		S003308 / 00	Vehicle Reimburs	08/30/2014		
		S003308 / 00	Vehicle Reimburs	08/30/2015		
		4081725 / 04	CM Staff Internal			200.0 DAY





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

S	Hi	ID	Description	Bso fin.	Start date	Duratn
<input type="checkbox"/>		S003169 / 00	FY14 STA - South		09/30/2014	
<input type="checkbox"/>		S003169 / 00	FY15 STA - South		09/30/2015	
<input type="checkbox"/>		4081725 / 05	EDC Staff Internal			200.0 DAY
<input type="checkbox"/>		S003308 / 00	WO - EDC Contra		09/30/2013	252.0 DAY
<input type="checkbox"/>		S003308 / 00	WO - EDC Contra		09/30/2014	
<input type="checkbox"/>		S003308 / 00	WO - EDC Contra		09/30/2015	
<input type="checkbox"/>		S003308 / 00	Vehicle Reimburs		09/30/2013	
<input type="checkbox"/>		S003308 / 00	Vehicle Reimburs		09/30/2014	
<input type="checkbox"/>		S003308 / 00	Vehicle Reimburs		09/30/2015	
<input type="checkbox"/>		4081725 / 04	C.M Staff Internal			200.0 DAY
<input type="checkbox"/>		S003309 / 00	WO - C.MS for Co		09/30/2013	252.0 DAY
<input type="checkbox"/>		S003309 / 00	WO - C.MS for Co		09/30/2014	
<input type="checkbox"/>		S003309 / 00	WO - C.MS for Co		09/30/2015	
<input type="checkbox"/>		S003309 / 00	Vehicle Reimburs		09/30/2013	
<input type="checkbox"/>		S003309 / 00	Vehicle Reimburs		09/30/2014	
<input type="checkbox"/>		S003309 / 00	Vehicle Reimburs		09/30/2015	
<input type="checkbox"/>		4081725 / 05	O&M Staff Interna			200.0 DAY
<input type="checkbox"/>		4081725 / 04	MS - Present Cont		09/30/2013	2.0 DAY
<input type="checkbox"/>		4081725 / 04	MS - NTP Constr		09/30/2013	15.0 DAY
<input type="checkbox"/>		4081725 / 05	MS - Substantial		09/30/2015	
<input type="checkbox"/>		4081725 / 05	TIFF Land Public		09/30/2013	
<input type="checkbox"/>		S003312 / 00	Permitting and Co		09/30/2013	252.0 DAY
<input type="checkbox"/>		S003312 / 00	Permitting and Co		09/30/2014	
<input type="checkbox"/>		S003312 / 00	Permitting and Co		09/30/2015	
<input type="checkbox"/>		S003312 / 00	Internal Support			
<input type="checkbox"/>		S003172 / 00	FY113 S191A.P4		09/30/2013	
<input type="checkbox"/>		S003172 / 00	FY114 S191A.P4		09/30/2014	
<input type="checkbox"/>		S003172 / 00	FY15 S191A.P4m		09/30/2015	
<input type="checkbox"/>		4081725 / 05	EDC Staff Internal			200.0 DAY
<input type="checkbox"/>		S003310 / 00	WO - EDC Contra		09/30/2013	252.0 DAY
<input type="checkbox"/>		S003310 / 00	WO - EDC Contra		09/30/2014	
<input type="checkbox"/>		S003310 / 00	WO - EDC Contra		09/30/2015	
<input type="checkbox"/>		4081725 / 04	C.M Staff Internal			200.0 DAY
<input type="checkbox"/>		S003311 / 00	WO - C.MS for Co		09/30/2013	252.0 DAY
<input type="checkbox"/>		S003311 / 00	WO - C.MS for Co		09/30/2014	
<input type="checkbox"/>		S003311 / 00	WO - C.MS for Co		09/30/2015	
<input type="checkbox"/>		4081725 / 05	O&M Staff Interna			200.0 DAY
<input type="checkbox"/>		4082103 / 00	Customer Accepta		09/01/2012	20.0 DAY

	2011		2012		2013		2014		2015		2016		2017		2018		2019		2020	
	J	F	M	A	M	J	J	A	M	M	J	F	F	A	M	M	J	F	F	A



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### SCHEDULE MILESTONE (BY WBS) REPORT

**REFER TO SAP PROJECT SYSTEM REPORT:      CJ20N      FOR PS 100082**

S	Hi	ID	Description	Bsc fin.	Start date	Duratn	Gantt Chart Data																																															
							2000				2001				2002				2003				2004																															
							1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4																												
<input type="checkbox"/>		<b>4080558 / 037</b>	<b>MS - GB Coord. to add contract 1 to</b>				0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0
<input type="checkbox"/>		4080558 / 04	MS - Present Contract 1 to GB		03/12/2009	1.0 DAY																																																
<input type="checkbox"/>		4080558 / 04	MS - NTP Construction Contract 1		04/27/2009	14.0 DAY																																																
<input type="checkbox"/>		4080558 / 05	MS - Substantial Completion 1	06/15/2011																																																		
<input type="checkbox"/>		4080558 / 06	MS - Substantial Completion	11/07/2011																																																		
<input type="checkbox"/>		4080558 / 06	MS - Final Completion	01/06/2012																																																		
<input type="checkbox"/>		<b>4081724 / 037</b>	<b>MS - GB Coord. to add contract 2 to</b>																																																			
<input type="checkbox"/>		4081724 / 04	MS - Present Contract 2 to GB		09/09/2009	2.0 DAY																																																
<input type="checkbox"/>		4081724 / 04	MS - NTP Construction Contract 2			15.0 DAY																																																
<input type="checkbox"/>		4081724 / 05	MS - Substantial Completion 2	12/15/2011																																																		
<input type="checkbox"/>		4081724 / 05	MS - Final Completion	02/13/2011																																																		
<input type="checkbox"/>		<b>4081725 / 037</b>	<b>MS - GB Coord. to add contract 3 to</b>																																																			
<input type="checkbox"/>		4081725 / 04	MS - Present Contract 3 to GB	09/30/2013		2.0 DAY																																																
<input type="checkbox"/>		4081725 / 04	MS - NTP Construction Contract 3	09/30/2013		15.0 DAY																																																
<input type="checkbox"/>		4081725 / 05	MS - Substantial Completion 3	09/30/2015																																																		
<input type="checkbox"/>		<b>4081726 / 037</b>	<b>MS - GB Coord. to add contract 4 to</b>																																																			
<input type="checkbox"/>		4081726 / 04	MS - Present Contract 4 to GB	09/30/2013		2.0 DAY																																																
<input type="checkbox"/>		4081726 / 04	MS - NTP Construction Contract 4	09/30/2013		15.0 DAY																																																
<input type="checkbox"/>		4081726 / 05	MS - Substantial Completion 4	09/30/2015																																																		



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
**SCHEDULE PREDECESSORS & SUCCESSORS (BY ACTIVITY)**

**REFER TO SAP PROJECT SYSTEM REPORT:    CN49N    FOR PS100082**



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Network 1	Actvy. desc. 1	Rel	Successor indicator	Time int.	Network 2	Act2	Activity desc. 2
4080558	Solicitation 1	FS	X		4080558	0420	MS - Present Contract 1 to GB
4080558	Solicitation 1	SS	X		4080558	0440	Project Management Coordination 1
4080558	MS - Present Contract 1 to GB	FS			4080558	0370	Solicitation 1
4080558	MS - Present Contract 1 to GB	FS	X		4080558	0430	MS - NTP Construction Contract 1
4080558	MS - NTP Construction Contract 1	FS			4080558	0420	MS - Present Contract 1 to GB
4080558	MS - NTP Construction Contract 1	FS	X		4080558	0500	MS - Substantial Completion 1
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0010	FY09 Perimeter Levee
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0020	FY09 Canal
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0050	FY09 Gated Structures
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0045	FY09 Culverts
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0005	FY09 Generalization
4080558	MS - NTP Construction Contract 1	SS	X		4118599	0011	FY09 Internal Levee
4080558	Project Management Coordination 1	SS			4080558	0370	Solicitation 1
4080558	MS - Substantial Completion 1	FS			4080558	0430	MS - NTP Construction Contract 1
4080558	MS - Substantial Completion 1	FF			4118599	0010	FY09 Perimeter Levee
4080558	MS - Substantial Completion 1	FF			4118599	0020	FY09 Canal
4080558	MS - Substantial Completion 1	FF			4118599	0050	FY09 Gated Structures
4080558	MS - Substantial Completion 1	FF			4118599	0045	FY09 Culverts
4080558	MS - Substantial Completion 1	FF			4118599	0005	FY09 Generalization
4080558	MS - Substantial Completion 1	FF			4118599	0011	FY09 Internal Levee
4118599	FY09 Generalization	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Generalization	SS			4080558	0430	MS - NTP Construction Contract 1
4118599	FY09 Perimeter Levee	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Perimeter Levee	SS			4080558	0430	MS - NTP Construction Contract 1
4118599	FY09 Internal Levee	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Internal Levee	SS			4080558	0430	MS - NTP Construction Contract 1
4118599	FY09 Canal	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Canal	SS			4080558	0430	MS - NTP Construction Contract 1
4118599	FY09 Culverts	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Culverts	SS			4080558	0430	MS - NTP Construction Contract 1
4118599	FY09 Gated Structures	FF	X		4080558	0500	MS - Substantial Completion 1
4118599	FY09 Gated Structures	SS			4080558	0430	MS - NTP Construction Contract 1
4080558	EDC Staff Internal 1	SS	X		4080558	0450	CM Staff Internal Support 1
4080558	EDC Staff External - Service 1	SS			4080558	0520	O&M Staff Internal Support 1
4080558	CM Staff Internal Support 1	SS			4080558	0510	EDC Staff Internal 1
4080558	O&M Staff Internal Support 1	SS	X		4080558	0540	EDC Staff External - Service 1
4081724	Solicitation 2	FS			4081724	0420	MS - Present Contract 2 to GB



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

4081724	Solicitation 2	FS			4081724	0420	MS - Present Contract 2 to GB
4081724	Solicitation 2	SS	X		4081724	0440	Project Management Coordination 2
4081724	MS - Present Contract 2 to GB	FS	X		4081724	0370	Solicitation 2
4081724	MS - Present Contract 2 to GB	FS	X		4081724	0430	MS - NTP Construction Contract 2
4081724	MS - NTP Construction Contract 2	FS			4081724	0420	MS - Present Contract 2 to GB
4081724	MS - NTP Construction Contract 2	SS			5001246	0010	FY10 S650 Pump Station
4081724	MS - NTP Construction Contract 2	FS	X		4081724	0500	MS - Substantial Completion 2
4081724	Project Management Coordination 2	SS			4081724	0370	Solicitation 2
4081724	MS - Substantial Completion 2	FS			4081724	0430	MS - NTP Construction Contract 2
5001246	FY10 S650 Pump Station	SS	X		4081724	0430	MS - NTP Construction Contract 2
4081725	Solicitation 3	FS	X		4081725	0420	MS - Present Contract 3 to GB
4081725	MS - Present Contract 3 to GB	FS			4081725	0370	Solicitation 3
4081725	MS - Present Contract 3 to GB	FS	X		4081725	0430	MS - NTP Construction Contract 3
4081725	MS - NTP Construction Contract 3	FS			4081725	0420	MS - Present Contract 3 to GB
4081725	MS - NTP Construction Contract 3	FS	X		4081725	0500	MS - Substantial Completion 3
4081725	MS - Substantial Completion 3	FS			4081725	0430	MS - NTP Construction Contract 3
4081725	EDC Staff Internal 3	SS	X		4081725	0450	CM Staff Internal Support 3
4081725	CM Staff Internal Support 3	SS			4081725	0510	EDC Staff Internal 3
4081726	Solicitation 4	FS	X		4081726	0420	MS - Present Contract 4 to GB
4081726	MS - Present Contract 4 to GB	FS			4081726	0370	Solicitation 4
4081726	MS - Present Contract 4 to GB	FS	X		4081726	0430	MS - NTP Construction Contract 4
4081726	MS - NTP Construction Contract 4	FS			4081726	0420	MS - Present Contract 4 to GB
4081726	MS - NTP Construction Contract 4	FS	X		4081726	0500	MS - Substantial Completion 4
4081726	MS - Substantial Completion 4	FS			4081726	0430	MS - NTP Construction Contract 4
4081726	EDC Staff Internal 4	SS	X		4081726	0450	CM Staff Internal Support 4
4081726	CM Staff Internal Support 4	SS			4081726	0510	EDC Staff Internal 4
4082103	Customer Acceptance	FS	X		4082103	0020	Closeout Procurement
4082103	Closeout Procurement	FS			4082103	0010	Customer Acceptance
4082103	Closeout Procurement	FS	X		4082103	0030	Closeout Documentation
4082103	Closeout Documentation	FS			4082103	0020	Closeout Procurement
4082103	Closeout Documentation	FS	X		4082103	0040	Closeout Personnel Actions
4082103	Closeout Personnel Actions	FS			4082103	0030	Closeout Documentation



**RESOURCES**

**RESOURCE PLAN**

*The Project Resource Plan details the human and material resources needed, how the resources will be used, the skill levels required, the time the resources are needed, and the type of resource, employee, contractor or equipment, needed. The plan is a description of what types of resources are required, in what quantities, for each activity or activity element in the WBS. The project manager or project liaison must gain concurrence with the manager of the resource that the resources planned to perform the work are correct in type, quantity, duration and will be available to support the projects requirements before the project plan is approved. The commitment for these resources is demonstrated by the signatures of the resource areas in the Project Team section of this plan.*

*Include the following reports by replacing the sample reports with the reports for your project*

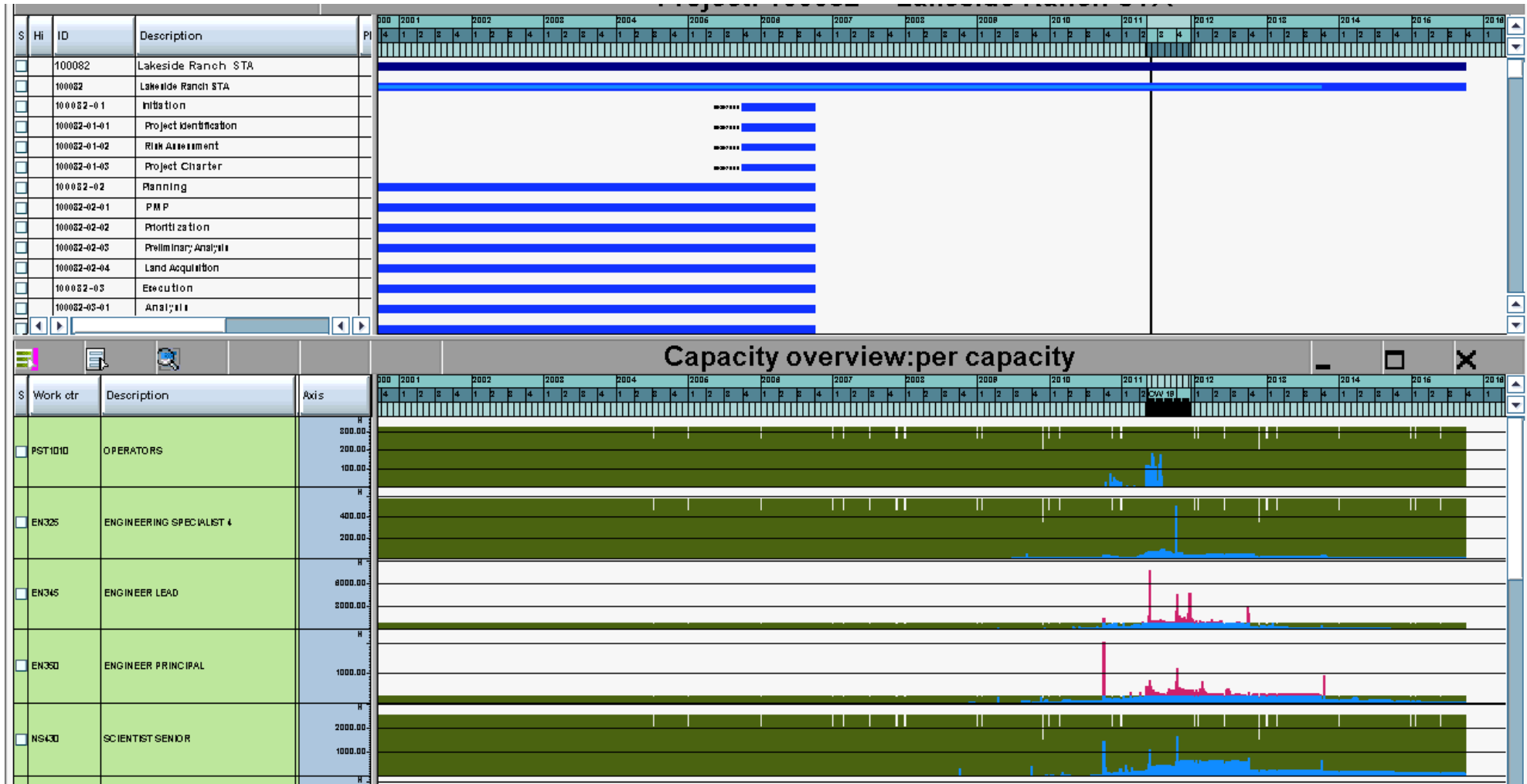
- |                             |             |             |         |
|-----------------------------|-------------|-------------|---------|
| 1. Resource Profile (Total) | Transaction | Not Defined | Variant |
| 2. Resource Table (Total)   | Transaction | CN47N       | Variant |



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

RESOURCE PROFILE

REFER TO SAP PROJECT SYSTEM REPORT: **CJ20N/PPB/CAPACITY OVERVIEW** FOR PS 100082

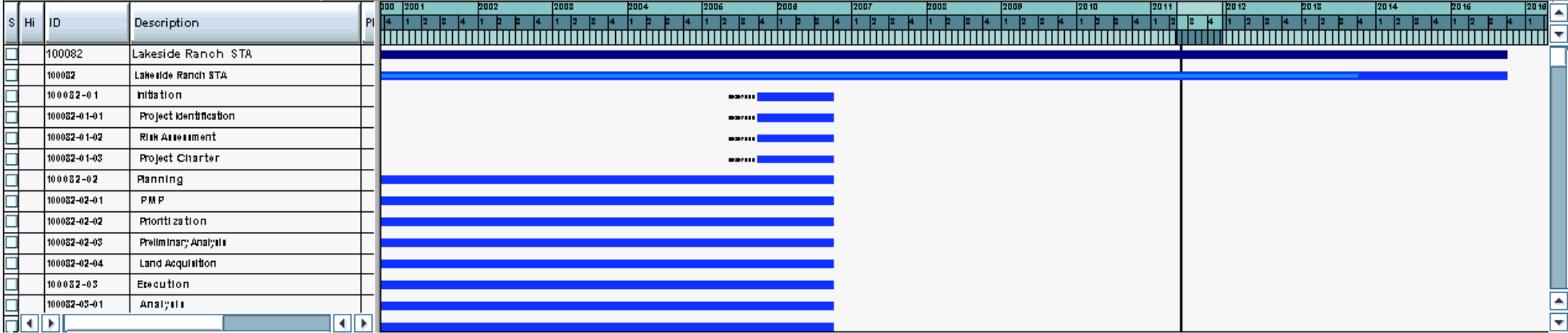




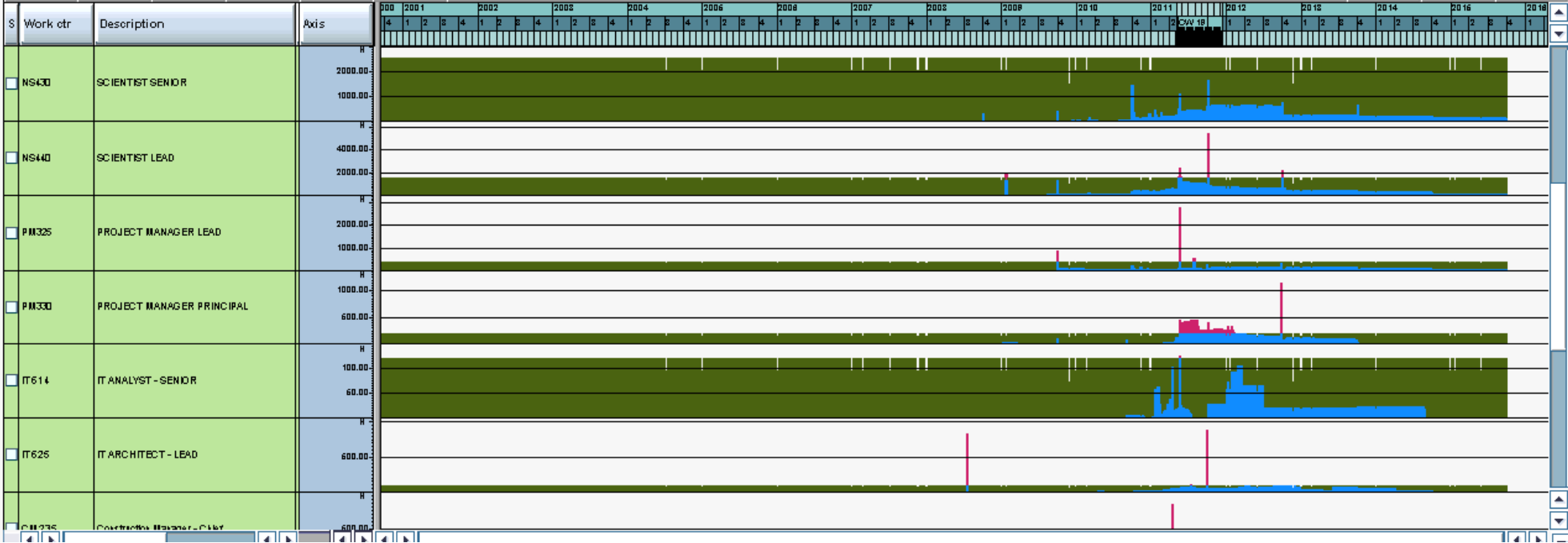


# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Project: 100082 Lakeside Ranch STA

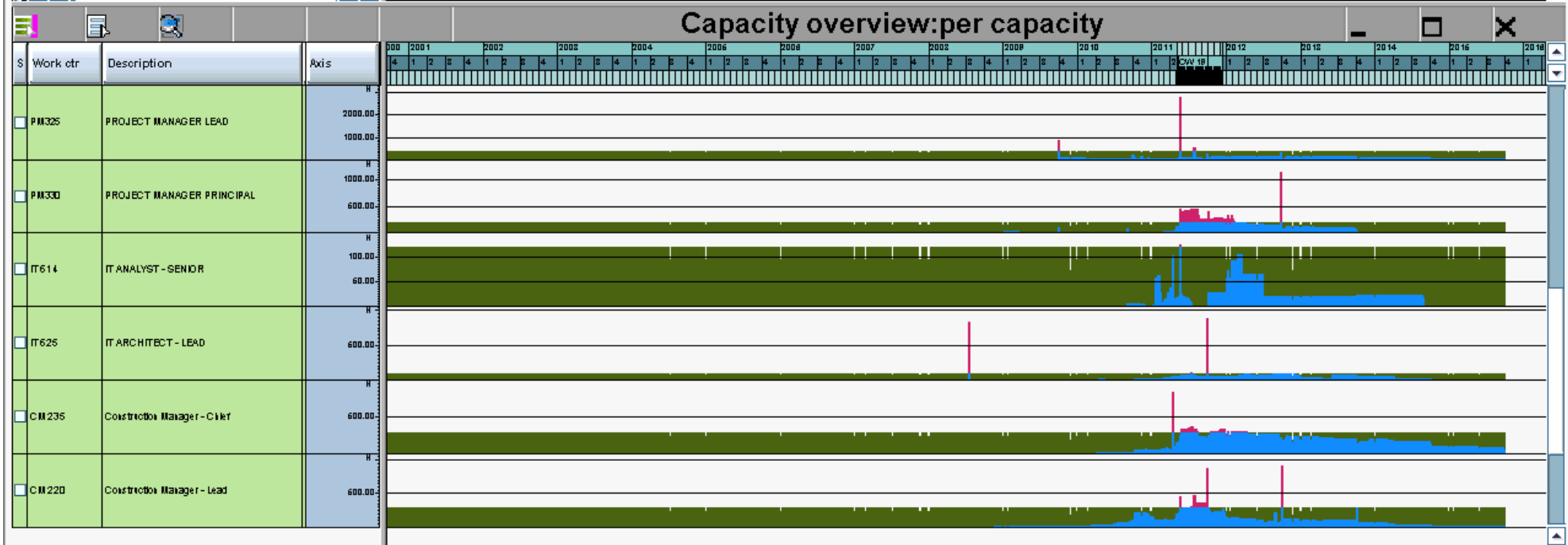
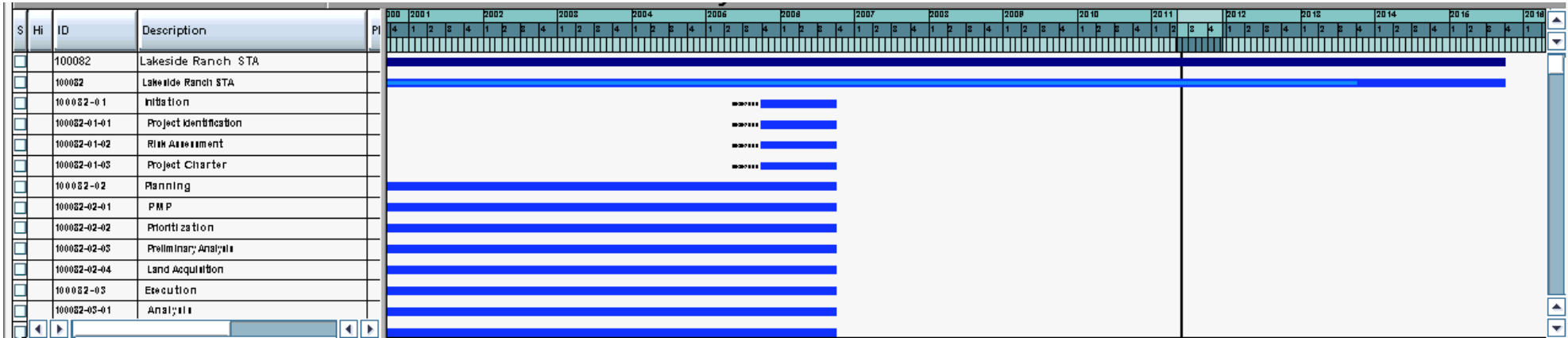


## Capacity overview: per capacity





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**RESOURCE LIST & REQUIREMENTS BY WORK CENTER**

**REFER TO SAP PROJECT SYSTEM REPORT: CN47N FOR PS 100082**



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WorkCntr	Work center text	Work
CM220	Construction Manager - Lead	1,400.0
	Construction Manager - Lead	1,400.0
	Construction Manager - Lead	1,400.0
	Construction Manager - Lead	1,600.0
	Construction Manager - Lead	1,600.0
EN325	ENGINEERING SPECIALIST 4	500.0
	ENGINEERING SPECIALIST 4	500.0
	ENGINEERING SPECIALIST 4	500.0
EN345	ENGINEER LEAD	100.0
	ENGINEER LEAD	100.0
	ENGINEER LEAD	200.0
	ENGINEER LEAD	200.0
	ENGINEER LEAD	400.0
	ENGINEER LEAD	400.0
	ENGINEER LEAD	400.0
	ENGINEER LEAD	400.0
	ENGINEER LEAD	900.0
	ENGINEER LEAD	900.0
EN350	ENGINEER PRINCIPAL	100.0
	ENGINEER PRINCIPAL	100.0
	ENGINEER PRINCIPAL	200.0
IT614	IT ANALYST - SENIOR	20.0
IT625	IT ARCHITECT - LEAD	832.0
	IT ARCHITECT - LEAD	832.0
NS430	SCIENTIST SENIOR	80.0
	SCIENTIST SENIOR	100.0
NS440	SCIENTIST LEAD	2,000.0
PM325	PROJECT MANAGER LEAD	40.0
	PROJECT MANAGER LEAD	40.0
	PROJECT MANAGER LEAD	40.0
	PROJECT MANAGER LEAD	80.0
	PROJECT MANAGER LEAD	200.0
	PROJECT MANAGER LEAD	200.0
	PROJECT MANAGER LEAD	400.0
	PROJECT MANAGER LEAD	400.0
PM330	PROJECT MANAGER PRINCIPAL	80.0
	PROJECT MANAGER PRINCIPAL	80.0
	PROJECT MANAGER PRINCIPAL	80.0
	PROJECT MANAGER PRINCIPAL	80.0
PST1010	OPERATORS	400.0
	OPERATORS	400.0



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### PLAN VALUE

*The project Plan Value details the cost over time based on the resources assigned and the time they are scheduled to occur within the project. The cumulative value of this cost is plotted over time which provides the District with the projects planned expenditure for any given point in time during the projects life. Performance is managed to this plan curve which demonstrates how well the project is planned and or the projects performance to plan. Approved changes are reflected in the plan through the Districts Monitoring & Controlling process*

- |                          |             |      |         |
|--------------------------|-------------|------|---------|
| 1. Planned Value (Curve) | Transaction | CN41 | Variant |
| 2. Planned Value (Table) | Transaction | CN41 | Variant |



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
PLANNED VALUE**

PLANNED VALUE CUMMULATIVE CURVE REPORT (DOLLARS)

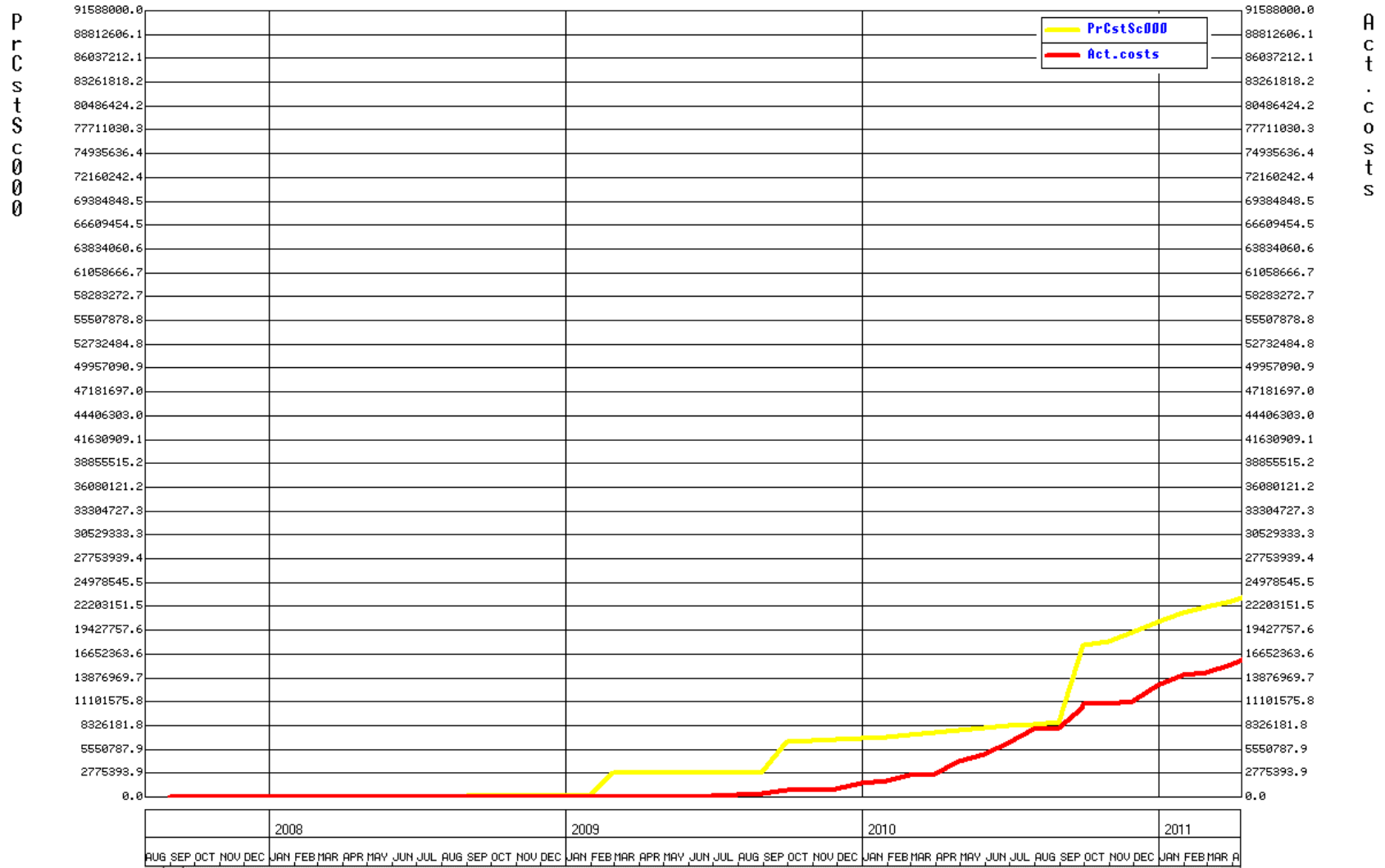
**REFER TO SAP PROJECT SYSTEM REPORT: CN41 FOR PS100082**



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Lakeside Ranch STA

Project Def. 100082

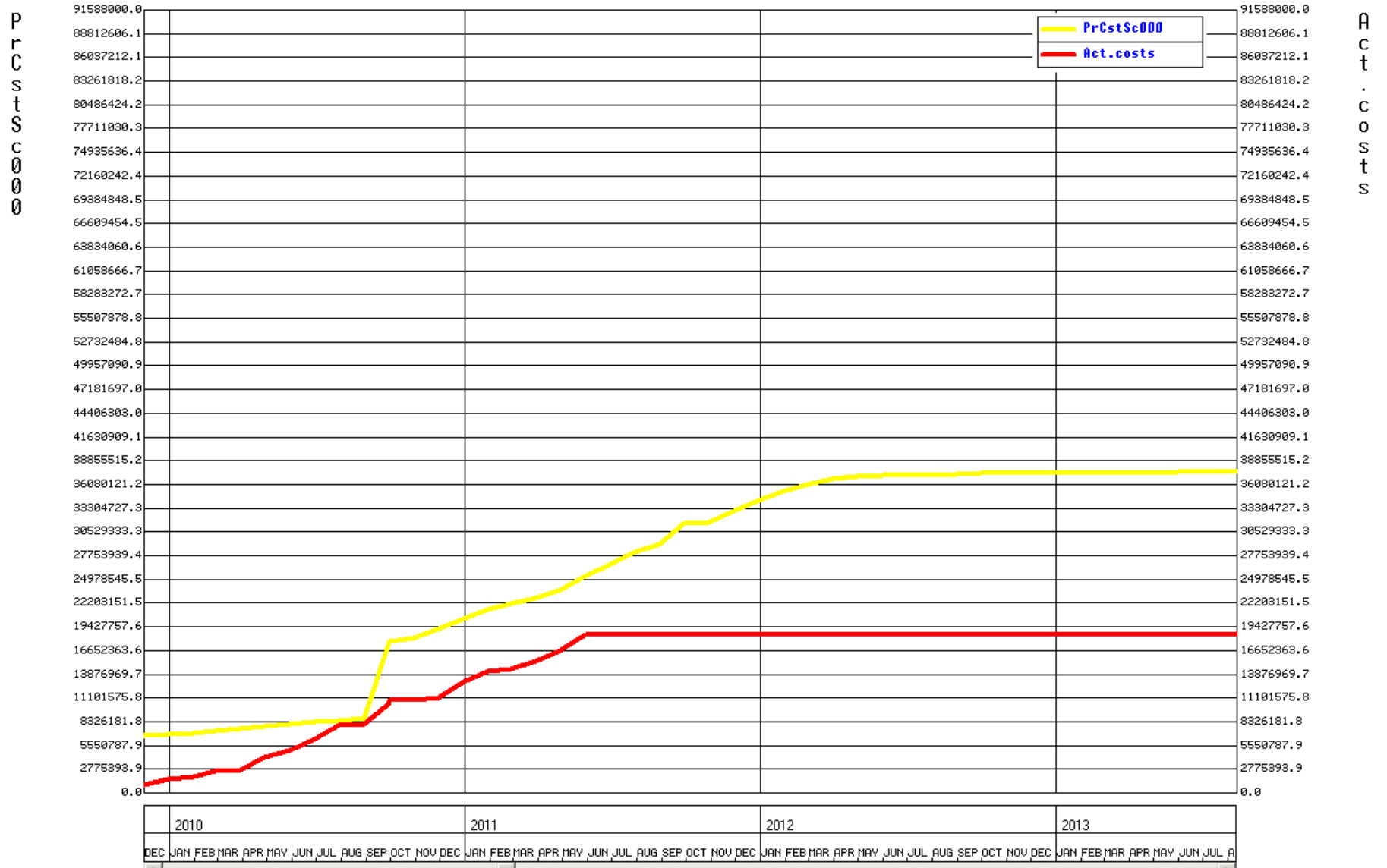




# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Lakeside Ranch STA

Project Def. 100082



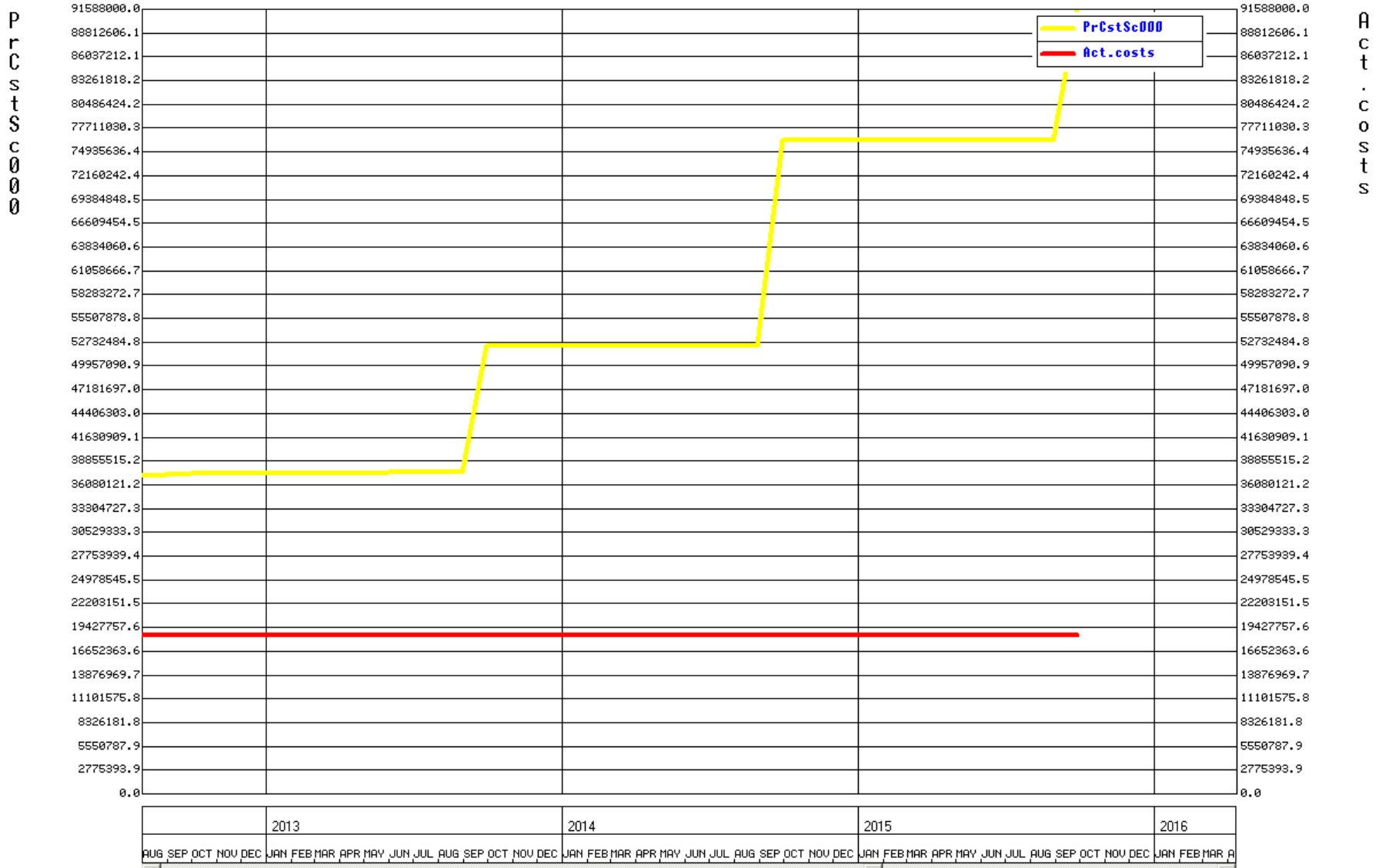




# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## Lakeside Ranch STA

Project Def. 100082





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**PLANNED VALUE**

PLANNED VALUE TABULAR REPORT (DOLLARS BY FISCAL YEAR, MONTH AND TOTALS)

**REFER TO SAP PROJECT SYSTEM REPORT: CN41 FOR PS 100082**



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Project Def. 100082 Lakeside Ranch STA  
 No. of Year Per: 99(108)

Year	Per	Project cost sch 000	Actual costs
<b>Total</b>		<b>91,587,508.84 USD</b>	<b>18,442,526.77 USD</b>
0000		0.00 USD	0.00 USD
2007	000	0.00 USD	0.00 USD
2007			
2007 012			
2008		147,322.34 USD	0.00 USD
2008 000		0.00 USD	0.00 USD
2008 010		1,091.14 USD	0.00 USD
2008 011		144,468.60 USD	0.00 USD
2008 012		1,762.60 USD	0.00 USD
2009		6,340,031.14 USD	741,470.32 USD
2009 000		0.00 USD	0.00 USD
2009 001		1,932.31 USD	0.00 USD
2009 002		1,428.23 USD	0.00 USD
2009 003		1,848.31 USD	0.00 USD
2009 004		86,005.37 USD	0.00 USD
2009 005		2,526,015.68 USD	0.00 USD
2009 006		9,068.50 USD	0.00 USD
2009 007		11,748.50 USD	0.00 USD
2009 008		16,791.94 USD	29,696.45 USD
2009 009		30,195.76 USD	167,936.05 USD
2009 010		37,456.11 USD	44,859.42 USD
2009 011		50,876.78 USD	147,588.08 USD
2009 012		3,566,663.65 USD	351,390.32 USD
2009 013		0.00 USD	0.00 USD
2010		11,241,516.16 USD	10,147,924.77 USD
2010 000		0.00 USD	0.00 USD
2010 001		92,495.09 USD	31,801.97 USD
2010 002		117,219.79 USD	196,675.96 USD
2010 003		162,840.69 USD	609,025.63 USD
2010 004		178,450.18 USD	304,207.53 USD
2010 005		219,959.65 USD	692,257.80 USD
2010 006		237,155.44 USD	77,419.74 USD
2010 007		252,588.76 USD	1,465,738.46 USD
2010 008		255,153.41 USD	886,075.31 USD
2010 009		267,380.48 USD	1,307,819.43 USD
2010 010		240,025.60 USD	1,621,517.72 USD
2010 011		202,462.06 USD	108,976.04 USD
2010 012		9,015,785.01 USD	2,406,158.38 USD
2010 013		0.00 USD	440,250.80 USD
2011		13,846,306.22 USD	7,553,131.68 USD



### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

2011	13,846,306.22	USD	7,553,131.68	USD
2011 000	0.00	USD	0.00	USD
2011 001	317,370.38	USD	17,448.09	USD
2011 002	1,175,774.09	USD	264,455.42	USD
2011 003	1,117,845.57	USD	1,817,423.91	USD
2011 004	1,117,268.36	USD	1,176,466.30	USD
2011 005	605,688.46	USD	361,134.52	USD
2011 006	734,777.98	USD	874,770.14	USD
2011 007	958,097.32	USD	1,253,266.79	USD
2011 008	1,596,506.85	USD	1,788,166.51	USD
2011 009	1,327,579.01	USD	0.00	USD
2011 010	1,416,526.09	USD	0.00	USD
2011 011	1,003,220.65	USD	0.00	USD
2011 012	2,475,651.46	USD	0.00	USD
2012	5,788,625.68	USD	0.00	USD
2012 000	0.00	USD	0.00	USD
2012 001	61,056.88	USD	0.00	USD
2012 002	1,401,653.63	USD	0.00	USD
2012 003	1,145,125.99	USD	0.00	USD
2012 004	1,030,961.89	USD	0.00	USD
2012 005	859,093.22	USD	0.00	USD
2012 006	735,093.53	USD	0.00	USD
2012 007	243,186.43	USD	0.00	USD
2012 008	42,229.53	USD	0.00	USD
2012 009	37,156.47	USD	0.00	USD
2012 010	45,447.01	USD	0.00	USD
2012 011	37,847.06	USD	0.00	USD
2012 012	149,774.04	USD	0.00	USD
2013	14,953,915.05	USD	0.00	USD
2013 000	0.00	USD	0.00	USD
2013 001	13,930.21	USD	0.00	USD
2013 002	12,113.83	USD	0.00	USD
2013 003	13,791.55	USD	0.00	USD
2013 004	15,922.44	USD	0.00	USD
2013 005	14,406.14	USD	0.00	USD
2013 006	15,922.44	USD	0.00	USD
2013 007	16,680.67	USD	0.00	USD
2013 008	16,680.67	USD	0.00	USD
2013 009	15,164.23	USD	0.00	USD
2013 010	16,680.67	USD	0.00	USD
2013 011	16,680.67	USD	0.00	USD
2013 012	14,785,941.53	USD	0.00	USD
2014	23,974,876.47	USD	0.00	USD



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

2013	14,953,915.05	USD	0.00	USD
2013 000	0.00	USD	0.00	USD
2013 001	13,930.21	USD	0.00	USD
2013 002	12,113.83	USD	0.00	USD
2013 003	13,791.55	USD	0.00	USD
2013 004	15,922.44	USD	0.00	USD
2013 005	14,406.14	USD	0.00	USD
2013 006	15,922.44	USD	0.00	USD
2013 007	16,680.67	USD	0.00	USD
2013 008	16,680.67	USD	0.00	USD
2013 009	15,164.23	USD	0.00	USD
2013 010	16,680.67	USD	0.00	USD
2013 011	16,680.67	USD	0.00	USD
2013 012	14,785,941.53	USD	0.00	USD
2014	23,974,876.47	USD	0.00	USD
2014 000	0.00	USD	0.00	USD
2014 001	3,841.27	USD	0.00	USD
2014 002	3,172.37	USD	0.00	USD
2014 003	3,506.30	USD	0.00	USD
2014 004	3,506.30	USD	0.00	USD
2014 005	3,172.37	USD	0.00	USD
2014 006	3,506.30	USD	0.00	USD
2014 007	3,673.18	USD	0.00	USD
2014 008	3,506.30	USD	0.00	USD
2014 009	3,506.30	USD	0.00	USD
2014 010	3,673.18	USD	0.00	USD
2014 011	3,506.30	USD	0.00	USD
2014 012	23,936,306.30	USD	0.00	USD
2015	15,294,915.78	USD	0.00	USD
2015 000	0.00	USD	0.00	USD
2015 001	3,955.20	USD	0.00	USD
2015 002	3,095.46	USD	0.00	USD
2015 003	3,783.33	USD	0.00	USD
2015 004	3,439.44	USD	0.00	USD
2015 005	3,267.51	USD	0.00	USD
2015 006	3,783.33	USD	0.00	USD
2015 007	3,783.33	USD	0.00	USD
2015 008	3,439.44	USD	0.00	USD
2015 009	3,783.33	USD	0.00	USD
2015 010	3,783.33	USD	0.00	USD
2015 011	3,611.43	USD	0.00	USD
2015 012	15,255,190.65	USD	0.00	USD



## QUALITY



### QUALITY PLAN OVERVIEW

Delivery of Engineering Projects ensures quality through the Technical Review and Acceptance process at each phase of project design. Technical reviews are managed by the Technical Services Section to obtain independent technical reviews for all relevant engineering disciplines. The Engineering Manager or Consultant provides a Quality Certificate of Compliance upon submittal of the deliverable at each design phase certifying that the QA program was followed and the deliverable was subjected to QC review. Each Certificate will be included in the PMP. Upon completion of reviews at the Preliminary and Final Design, a Technical Review Briefing (TRB) is presented to manager representatives of the affected District organizational units. Only upon signature by the managers or their representatives is the project approved to proceed to the next phase. Copies of the signed TRB approval sheet will become part of the PMP updates.

# Technical Review Briefing (TRB) Consensus Sheet

(to be completed at the TRB)

Briefing Date: 1/15/2010

Project Name/ Phase: LRSTA S-191A Preliminary Design

Project Manager: Jian Cai

Project SAP Number: 100082

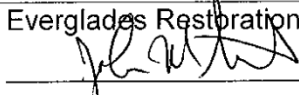
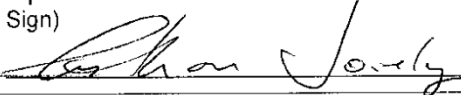
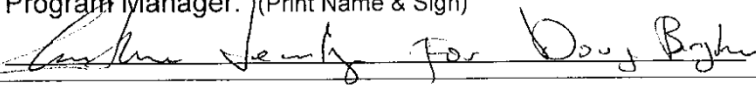
Summary of Comments, Direction, and Issues to Carry Forward to Next Phase:

1. US Hwy 98 — Emergency access to the site, no turn lane should be involved.
2. Roundabout Access, 25' extension from the service bridge, sheet pile raised to 21' elevation.
3. No Access from Lake O. Dike to the site (which was proposed in Dr check)
4. 4 generators, one for each pump but CDM will need to do parallel analysis to determine the small pump <sup>station</sup> (service plan for 4 generators) (Continued on the attached) and pumps w.

## Consensus for Proceeding to Next Project Phase:

Current Phase: Preliminary Design

Next Phase: Intermediate Design

Everglades Restoration Resource Area: (Print Name & Sign) 	Date: 1/15/10
Operations and Maintenance Resource Area: (Print Name & Sign) 	Date: 1/15/10
Water Resources Management Resource Area: (Print Name & Sign)	Date: _____
Corporate Resources: (Print Name & Sign)	Date: _____
Government & Public Affairs: (Print Name & Sign)	Date: _____
Program Manager: (Print Name & Sign) 	Date: 1/15/10

Version 1.2

1/2

5/22/09



5. Staff gage - NAVD and NGVD will be used and specified. CDM will work from the District's draft specs.
6. Access to the pipe coupling next to the pump column. CDM will look ~~on~~ the possibility of providing the access.

Preliminary TRB Consensus Approval





**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Technical Review Briefing (TRB) Consensus Sheet**

(To be completed at the TRB)

Briefing Date: March 25, 2011

Project Name/ Phase: Lakeside Ranch Stormwater Treatment Area – STA-S

Project Manager: Jian Cai

Project SAP Number: 100082

Summary of Comments, Direction, and Issues to Carry Forward to Next Phase:

TRM : We move forward w/ the current design but use the specs latest. ~~we will~~ If the operation in STA-N and other area shows problems / unsuccessful operation, we'll look at this design again. At this point, there is on one TRM manufacturer having no problem in supplying this water. It's suggested to take this materia to DLT for approved.

Surcharge Loading : CDM will verify the structures and equipment used, make ~~sure~~ <sup>check</sup> if 250 psf is adequate or made modification if it's necessary.

operation plan : check w/ operation to see if they have any comments. (Sally / paul)

**Consensus for Proceeding to Next Project Phase:**

Current Phase: Final Design

Next Phase: Corrected Final

Everglades Restoration & Capital Projects Resource Area (Print Name & Sign) <u>ACAN SHIRKEY</u>	Date: <u>3-25-11</u>
Operations & Maintenance Resource Area (Print Name & Sign) <u>Northon Jovely</u>	Date: <u>3/25/11</u>
Corporate Resources Resource Area (Print Name & Sign) <u>J. LABRANA</u>	Date: <u>3/25/11</u>
Other Signatory – i.e. USACE Representative (modify as needed) (Print Name & Sign) _____	Date: _____
Other Signatory (Print Name & Sign) _____	Date: _____




**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

**Quality Certificate of Compliance  
(Engineering Services Division)**

Project Name Lakeside Ranch STA Project	Contract No./Work Order No. 4600000852/WO3R5	Date 08/06/2010
Deliverable Description <ul style="list-style-type: none"> <li>Task 4.2.1.9 - Pre-Final Design Submittal Report Package - STA South (Modified)</li> </ul> <p>Consisting of the following:</p> <ul style="list-style-type: none"> <li>25 copies of the Pre-Final Design Report</li> <li>25 copies of the Pre-Final Design Opinion of Probable Construction Cost</li> <li>5 full-size copies of the plans (including 2 signed &amp; sealed sets)</li> <li>22 half-size copies of the plans</li> <li>25 copies of the draft specifications</li> <li>25 CDs of PDF files</li> <li>1 CD of DWG files</li> <li>25 copies of the LRSTA South Operations Plan</li> <li>1 set of half-size red-line drawings</li> </ul>		
		

\_\_\_\_\_ CDM \_\_\_\_\_ has completed preparation of the above referenced  
Consultant Name

deliverable and herein submits it to the South Florida Water Management District (SFWMD) in accordance with the requirements of the referenced Work Oder. It has been verified that this submittal includes all required components of the deliverable. Where required components are not submitted, an explanation and schedule for submitting the missing component(s) has been provided. Notice is hereby given that all quality control activities, appropriate to the level of risk and complexity inherent in the Project, have been completed. Compliance with established procedures as documented in the Project's Quality Control Plan submitted to the SFWMD has been verified.

**This certification in no way relieves/replaces/changes/impacts/mitigates the contractual requirements to follow the consultant's own Quality Assurance/Quality Control (QA/QC) processes and procedures.**

Consultant Quality Manager (Print) David L. Collins, P.E.	Consultant Quality Manager (Signature) <i>D. L. Collins</i>	Date 08/06/2010
Consultant Project Manager (Print) William K. Taylor	Consultant Project Manager (Signature) <i>William K. Taylor</i>	Date 08/06/2010



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

**Quality Certificate of Compliance**  
**(Engineering Services Division)**

Project Name Lakeside Ranch STA Project	Contract No./Work Order No. 4600000852/W03R5	Date 09/13/2010
Deliverable Description <ul style="list-style-type: none"> <li>Task 4.2.1.5 - Pre-Final Design Submittal Report Package - S-191A Pump Station (renamed Final Design)</li> </ul> <p>Consisting of the following:</p> <ul style="list-style-type: none"> <li>28 copies of the Final Design Report</li> <li>5 copies of the Final Design Opinion of Probable Construction Cost</li> <li>5 full-size copies of the plans</li> <li>23 half-size copies of the plans</li> <li>28 copies of the Volume I and Volume II of the technical specifications</li> <li>31 electronic copies of entire report</li> </ul>		

CDM has completed preparation of the above referenced  
Consultant Name

deliverable and herein submits it to the South Florida Water Management District (SFWMD) in accordance with the requirements of the referenced Work Oder. It has been verified that this submittal includes all required components of the deliverable. Where required components are not submitted, an explanation and schedule for submitting the missing component(s) has been provided. Notice is hereby given that all quality control activities, appropriate to the level of risk and complexity inherent in the Project, have been completed. Compliance with established procedures as documented in the Project's Quality Control Plan submitted to the SFWMD has been verified.

**This certification in no way relieves/replaces/changes/impacts/mitigates the contractual requirements to follow the consultant's own Quality Assurance/Quality Control (QA/QC) processes and procedures.**

Consultant Quality Manager (Print) David L. Collins, P.E.	Consultant Quality Manager (Signature) <i>DL Collins</i>	Date 09/13/2010
Consultant Project Manager (Print) William K. Taylor	Consultant Project Manager (Signature) <i>William K. Taylor</i>	Date 09/13/2010



## RISK



### RISK MANAGEMENT PLAN

#### Rule of Thumb

*All projects have risks. A project without any identified risks typically indicates a project with a weak risk plan. Identify, analyze, and establish; risks, a risk resolution plan, and impact.*

#### Risk Form

*Utilize the risk form below to document all risk descriptions, triggers (what will cause the risk to occur), response plan (what will be done if the risk does occur), probability (percent chance of the risk occurring), impact (total cost if the risk occurred), and magnitude in dollars (probability times impact), hours (where applicable for labor) and duration impact to the activity the risk is associated with. Risk status must be planned for and maintained throughout the project life to determine which risks have passed and those that remain a threat at project completion.*

#### Lack of Historical Performance & Unknowns

*The Risk plan is paramount to insuring accuracy of project performance measurement. One of the most significant issues project managers may face is having to develop a project plan before the full required scope is known or where the scope is known but it is so unique there is no basis for developing an accurate estimate. When this occurs the project manager must complete the Risk plan for what is unknown. The costs and impacts of the risks in the risk plan are not to be included in the other elements of the PMP. IE; activity planned cost, resources, schedule, quality, communication, etc.*

#### Management Acceptance of Risks

*When management signs off on the plan they are also agreeing to the Risks and their associated defined costs. When Risks are realized the PM has the full authority to approve the required Issue Management and Change Control Request Form*

#### Risk Planning Components

***Risk Management Planning includes but is not limited to:***

1. Identifying those things that could go wrong during the project.
2. Identifying the work the risk is associated with (Project, WBS, Activity, etc).
3. Identifying the type of risk (Risk Code: Estimating, Legal, Technological, etc).
4. Determining the likelihood of occurrence (probability).
5. Determining the impact to the project if the event occurs.
6. Determining the exposure level (dollars, duration, etc.).
7. Planning the risk response for those items most likely to occur.
8. Returning risk funding when risk has past.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**



**RISK ASSESSMENT PLAN SORT BY WBS**

Expand the table to cover all WBS elements and activities for the project. It is also acceptable to export the WBS full structure and activity list from SAP PS and develop a matrix as shown below with the same columns. You may add additional columns if needed but keep the order the same for the columns shown below. Insert the specific risk(s) for each activity of the project in the table below. You may have more than one risk per activity. If a risk covers all activities on a WBS element identify the risk at the WBS level. If a risk may impact the whole project you may identify the risk at the project level.

WBS	WBS Description	Risk Status	Risk Description	Risk Trigger	Risk Response	Risk Code	Probability Percent	Impact Dollars	Risk Dollars	Risk Hours	Risk Duration
		Planned Realized Not Realized				Estimating Technological Natural Man Made					
<b>Preliminary Design</b>	Preliminary Design	Not Realized	Resource availability								
<b>Intermediate Design</b>	<b>Intermediate Design</b>	Not Realized	Resource availability								
<b>Final Design</b>	<b>Final Design</b>	Not Realized	Resource Availability								
<b>Construction</b>	<b>Construction Contract</b>										
Risk 1	Future Funding	Planned	Resource Availability	FY12 Funding	Reschedule Project	Man Made	Low (10%)	N/A	N/A	N/A	N/A
Risk 2	Change Order	Planned	Structure Installation	Site Conditions	Investigate Negotiate	Natural	Moderate (30%)				
<b>Total</b>								\$	\$	\$	



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**COMMUNICATION**

**COMMUNICATION PLAN**

Establish the Communication Plan for the project by editing the As Needed Communications section in the file below to meet project requirements. The *Required Communications* and *Required Reporting* sections of this Plan are business standard requirements and are not to be edited.

**Communication Plan Responsibility Codes O=Organize, A=Attend, C= Copy,**

Project Communication Type	Frequency	Medium	Responsibility Codes											Enter Date(s) of Occurrence
			Project Mgr	Project Team & WBS Element PM's	Resource Area Manager	Project Sponsor	Contract Specialist	Outreach Specialist	Executive Office	MAT	DLT			
<b>District Required Communications</b>														
1. Project Initiation Kickoff Meeting	At kickoff	Meeting	O	A	A/C	A	A	A						
2. PMP Initiation Review	Prior to PMP Executive Approval	Meeting	O	A	A/C	A								
3. PMP Initiation Approval	Prior to development of full PMP	Meeting	O	A	A/C	A								
4. PMP (Full Plan) Development Meeting	During PMP development as Req'd.	Meeting	O	A	A/C	A								
5. PMP (Full Plan) Approval for Budget Submission Meeting	Prior to Budget Submission	Meeting			O/A									
6. PMP (Full Plan) Review Meetings	At kickoff, & revisions	Meeting	O	A	A/C	A								
7. Project Execution Kickoff Meeting	At kickoff	Meeting	O	A	A/C	A	A	A	C					
8. Monthly Project Updates & Checks: Cost & Schedule Corrections, Time Entry, Receipt for work performed, Progress Entry, and Schedule Updates.	Monthly	Meeting	O	A										
9. Project Pre Close Meeting														
10. Project Closeout Meeting			O		A/C	A	A							
<b>District Required Reporting</b>														
Monthly Project Reports	Monthly (see Report section)	Email	O	A	C	C								See Approvals Section -Report Log
Resource Area Management Monthly Report Review & Action Plan Submitted to Executive Office	Monthly (see Report section)	Meeting	A		O									
Executive Office Monthly Report Reviews	As Requested	Meeting			A				O	A	A			
<b>As Needed Communications</b>														
Procurement Review Meetings	As Needed	Meeting	O	A	C		A	A						
Monitor & Control Review Meeting	As Needed		O	A	C									
Lessons Learned	As Needed	Meeting	O	A	C	C	C	C						
Project Newsletter	As Needed	Email	O	C	C	C	C	C	C	C	C	C		



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**ACCEPTANCE**

**PROJECT ACCEPTANCE CRITERIA**

*The essential characteristics and/or performance requirements for the deliverables that have to be present for the project deliverables to be considered acceptable. These are based on objective and not subjective criterion. The project may utilize the template below or a modified version that supports the needs of the project. If additional procedures are required, list them.*

*A project completion and acceptance sign off form is also attached to formally confirm completion and acceptance of the project by the customer, sponsor and project manager. This form may be modified to meet specific project requirements.*

<b>Deliverable</b>	<b>Criteria</b>
Preliminary Design	Approval at the TRB
Final Design	Approval at the TRB
Corrected Final Design Ready to Advertise	Approval by the Engineering Department Director
Construction	Adherence to Contract Documents, Plans and Specifications
Closeout	Acceptance by Sponsor



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

It is required for all projects to document customer acceptance on the following form. If another form is required by the business/customer imbed the required form after this District standard form in the PMP. If there are items missing on the form below they may be added. Do not delete the standard form.

**CUSTOMER ACCEPTANCE**

**CUSTOMER PROJECT COMPLETION AND ACCEPTANCE SIGN OFF**

Resource Area ( Owner of The Project): ERCP			
Project Name:	Lakeside Ranch Stormwater Treatment Area	PS Project Number:	100082
Project Manager:	Jian Cai	Date:	

The undersigned agree in principle that the completed project satisfactorily meets the Acceptance Deliverables and Criteria set forth in the attached Project Acceptance Criteria Form

_____	_____
<b>Client Signature</b>	<b>Date</b>
_____	_____
<b>Joel Arrieta</b>	<b>Director, Field Operation North</b>
_____	_____
<b>Sponsor</b>	<b>Project Manager</b>
_____	_____
<b>Matthew Morrison, Director Project coordination</b>	<b>Jian Cai, Lead Engineer</b>





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### CLOSEOUT

#### PROJECT CLOSEOUT PROCEDURES

*This section of the PMP captures lessons learned during the project, and documents closure completion.*

*These items are to be completed as the project progresses:*

Lessons Learned Form

Project Management Plan Closeout Performance Review Form

Lessons Learned Form

Lessons learned are to be collected by WBS. Key inputs for lessons learned are to come from the WBS Applicant in conjunction with The WBS Responsible Person and Project Manager.

They may be collected at any appropriate level WBS. A project level lesson learned may be attached at the project level WBS. A specific lesson learned for Design should be written for and collected at the Design WBS element. This allows for lessons learned to be associated with standard work types, their standard District work structure, and collected across all projects for any standard WBS element/work type.

Project Management Plan Closeout Performance Review Form

This form lists the steps for project closure and the items to be closed.

When the project is ready to be closed, the Project Management Plan Closeout Performance Review form is to be completed by the project team and presented at the project technical closure meeting to review the required technical closure items (TECO) and at the project final closure meeting to review the final closure items (CLSD).

Closure Review Meetings

Each project level technical and final closure team meeting is to include the Business Performance Management Office to attend and validate completion of the closure requirements.

The Project Management Plan Closeout Performance Review is scored, and the score becomes part of the project record.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**CLOSEOUT**

**LESSONS LEARNED BY WBS**

DATE: \_\_\_\_\_

WORKING PLAN ID: \_\_\_\_\_

TARGET PLAN ID: \_\_\_\_\_

<b>WBS</b>	<b>WBS / activity Description where the issue occurred.</b>	<b>Issue description.</b>	<b>What was the root cause? ( process, people, communication, dependencies)</b>	<b>How was the Issue Corrected? How may the issue be avoided in the future?</b>	<b>Estimated cost to be saved.</b>	<b>Estimated time to be saved.</b>
<b>WBS</b>	<b>Description</b>					
Activity A	Description					
Step 1	Description					
Step 2	Description					
Step 3	Description					
Activity B	Description					
Step 1	Description					
Step 2	Description					
Activity C	Description					
Step 1	Description					
Step 2	Description					
Step 3	Description					



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

Project 100XXX TECO Review Date XX/XX/XX																					
CHECK	District Project Management Plan Closeout Performance Review The following TECO and CLSD steps must be completed in the order specified below.	SCORE	GRADE																		
		TOTAL TECO CLSD																			
TECO	<input type="checkbox"/> 1. <b>Change Control.</b> Ensure resolution of all change control requests (CN41/Get project version... to compare working plan with latest approved target plan; CN41/Project definition attachments to view change control requests (CCRs), Charter, and PMP; FMEDDW to view budget changes).																				
	<input type="checkbox"/> 2. <b>Receipts.</b> Receive all delivered goods and services (details in SAP 7800 manual). Verify with ME2J <ul style="list-style-type: none"> <li>Use the MIGO SAP transaction to receive goods. If there is a remaining quantity in the PO line that is not going to be received, set the <b>Delivery Complete Indicator</b> so the unused funds are disencumbered and made available in FM. If the PO line was created in a previous FY, the unused funds are made available in the FY in which they were created and cannot be used in the current FY.</li> <li>Use the ML81N SAP transaction to receive services. If there is a remaining amount in the PO line that is not going to be received, click on <b>Set Final Entry</b> so the unused funds are disencumbered and made available in FM. If the PO was created in a previous FY, the unused funds are made available in the FY in which they were created and cannot be used in the current FY.</li> </ul>																				
	<input type="checkbox"/> 3. <b>Dis-encumbrance.</b> Complete Dis-encumbrance, Contract Closeout, and Contractor Evaluation forms and forward to Procurement as applicable. Y_RD1_07000001 - Available Budget to verify																				
	<input type="checkbox"/> 4. <b>Close P.O. Lines.</b> Notify the Purchasing Agent or Contract Specialist to "close" the Service PO line. By "close", we mean that any balance in a Service PO line is reduced to match the received amount, the Final Invoice field is checked (even when a final invoice has not been received or paid) and the PR line is flagged Closed if it was not already closed. This closes a PR line. Procurement sends the dis-encumbrance forms to the Budget office. <ul style="list-style-type: none"> <li>To verify that a Goods PO line is closed, execute transaction ME2J and double-click the line. A Goods PO line is considered "closed" when the <b>Deliv Compl.</b> indicator is checked (Delivery tab) <u>or</u> the <b>Tr./Ev. Goods receipt</b> amount (Purchase Order History tab) matches the PO line <b>PO Quantity x Net Price</b> amount <u>and</u> the <b>Tr./Ev. Invoice receipt</b> (Purchase Order History tab) amount matches the PO Line <b>PO Quantity x Net Price</b> amount <u>or</u> the <b>Final Invoice</b> indicator is checked (Invoice tab).</li> <li>To verify that a Service PO line is closed, execute transaction ME2J and double-click the line. A Service PO line is considered "closed" when the <b>Final Entry indicator (Fin. Entry)</b> is displaying (in the Purchase Order History tab, click on the <b>Material Document</b> in the row that says <b>SEnt</b>) <u>or</u> the <b>Tr./Ev. Service Entry</b> amount (Purchase Order History tab) matches the PO line <b>PO Quantity x Net Price</b> amount <u>and</u> the <b>Tr./Ev. Invoice</b> amount (Purchase Order History tab) matches to PO line <b>PO Quantity x Net Price</b> amount <u>or</u> the <b>Final Invoice</b> indicator is checked (Invoice tab).</li> </ul>																				
	<input type="checkbox"/> 5. <b>Stop Time Charges.</b> Communicate that no further time is to be charged to the internal activities or activity elements.																				
	<input type="checkbox"/> 6. <b>Correct Posting Errors.</b> a. Run audit reports (Y_RD1_07000001, CN41, CJI3, CN48N) to determine if incorrect postings (time or costs) exist or expected postings are missing. <ul style="list-style-type: none"> <li>Correct errors (time corrections can be done by employees back to 2 pay periods; for corrections older than 2 pay periods, the payroll administrator gets involved; JEs/JVs are performed by Finance and Accounting respectively).</li> <li>Re-run audit reports (Y_RD1_07000001, CN41, CJI3, CN48N) to verify that errors have been corrected.</li> </ul>																				
	<input type="checkbox"/> 7. <b>Create final confirmations (CNF)</b> for all activities and activity elements (PPB). Verify using PPB.																				
	<input type="checkbox"/> 8. <b>Update Physical % complete</b> field to 100% in all activities and activity elements with the exception of milestones (PPB). Verify using PPB.																				
	<input type="checkbox"/> 9. <b>Reschedule the project</b> in the PPB (use <b>Strict Bottom-Up</b> scheduling option). The Basic dates of the Project Definition and WBS Elements should be a roll up of all subordinate objects. Verify using PPB.																				
	<input type="checkbox"/> 10. <b>Validate actual dates</b> in Project Planning Board (PPB) and save project.																				
	<input type="checkbox"/> 11. Execute the <b>ZPS_WBS_PERCENT</b> SAP transaction to roll up the Physical % Complete. Verify in PPB.																				
	<input type="checkbox"/> 12. <b>TECO the WBS Element/Project.</b> TECO status does not allow scheduling or further changes in a PO line, but will allow for receiving of goods, services or invoice processing including payments. Verify using PPB.																				
Project 100XXX CLSD Review Date XX/XX/XXXX																					
CHECK	District Project Management Plan Closeout Performance Review	SCORE	GRADE																		
CLSD	<input type="checkbox"/> 13. Hold the <b>Pre-Close Meeting</b> in conjunction with the Finance Manager to ensure all parties are in agreement that the WBS Element/Project is ready to be closed out. The following parties are invited to the meeting: <ul style="list-style-type: none"> <li>Business Performance Management Division</li> <li>Business Services Director</li> <li>Field Station Supervisor (capital projects only)</li> <li>Division Director of Field Operations (capital projects only)</li> <li>PM Supervisor</li> <li>Project Manager</li> <li>WBS Element's PM</li> <li>WBS Element's PM Supervisor.</li> <li>Finance Manager</li> <li>Accounts Payable</li> <li>Professional Accountant</li> <li>Asset Accountant</li> <li>Purchasing Agent/Contract specialist</li> <li>Project Controls &amp; or SME</li> </ul>																				
	<input type="checkbox"/> <b>Project Management Plan Document Closure.</b> Close the PMP updating the complete document with the final plan (original plan including all approved changes)																				
	<input type="checkbox"/> 14. PMP Approvals																				
	<input type="checkbox"/> 15. PMP Executive Summary																				
	<input type="checkbox"/> 16. PMP Team																				
	<input type="checkbox"/> 17. PMP WBS																				
	<input type="checkbox"/> 18. PMP OBS																				
	<input type="checkbox"/> 19. PMP Work Definition																				
	<input type="checkbox"/> 20. PMP Schedule																				
	<input type="checkbox"/> 21. PMP Resources																				
	<input type="checkbox"/> 22. PMP Planned Value																				
	<input type="checkbox"/> 23. PMP Quality																				
	<input type="checkbox"/> 24. PMP Risk																				
	<input type="checkbox"/> 25. PMP Communication																				
	<input type="checkbox"/> 26. PMP Acceptance																				
	<input type="checkbox"/> 27. PMP Closeout																				
	<input type="checkbox"/> 28. PMP Monitor/Control																				
	<input type="checkbox"/> 29. PMP Reports																				
	<input type="checkbox"/> 30. Ensure Finance Manager transfer unused funds outside of the project. Validate this via: FMEDDW, Y_RD1_07000001, or ZZPU_C02_Q009 - BW Budget vs. Actual vs. Planned.																				
	<input type="checkbox"/> 31. Ensure Accounts Payable close invoices and check the <b>Final Invoice</b> indicator.																				
	<input type="checkbox"/> 32. Ensure Asset Accountant perform final settlements and notifies Project Manager, PM Supervisor, Finance Manager, and Asset Manager when final settlements are completed.																				
	<input type="checkbox"/> 33. Ensure Asset Manager has tagged assets and put them into service.																				
	<input type="checkbox"/> 34. Hold <b>Closeout Meeting.</b> Pre-close meeting parties are invited to this meeting. Validate that all previous steps have been complete and are accurate. *If project is being closed, review and sign off final PMP.																				
	<input type="checkbox"/> 35. Attach updated PMP and any other documents to project definition level in SAP PS.																				
	<input type="checkbox"/> 36. Notify Finance Manager to close WBS Element/Project.																				
	<input type="checkbox"/> 37. Finance Manager sets the WBS Element/Project to <b>System Status = CLSD.</b>																				
	<input type="checkbox"/> 38. Archive project files according to the resource area and District Clerk's Office procedures.																				
		<table border="1"> <thead> <tr> <th>Score</th> <th>Grade</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Greater than 87</td> <td>A</td> <td>Green</td> </tr> <tr> <td>From 76 to 87</td> <td>B</td> <td>Green</td> </tr> <tr> <td>From 64 to 75</td> <td>C</td> <td>Yellow</td> </tr> <tr> <td>From 52 to 63</td> <td>D</td> <td>Red</td> </tr> <tr> <td>Less than 52</td> <td>F</td> <td>Red</td> </tr> </tbody> </table>	Score	Grade	Code	Greater than 87	A	Green	From 76 to 87	B	Green	From 64 to 75	C	Yellow	From 52 to 63	D	Red	Less than 52	F	Red	
	Score	Grade	Code																		
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	Less than 52	F	Red																		



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### MONITOR/CONTROL

## MONITORING AND CONTROLLING PLAN

### OVERVIEW

The purpose of this section of the PMP is to document the Monitoring & Controlling plan for the project. Monitoring & Controlling is the tool for understanding project performance by comparing actual performance to the Project Management Plan, identifying deviations to the PMP, documenting issues driving deviation, and resolving these issues through issues management, and change control when possible.

#### Issues Categories:

Issues driving deviation will fall into the broad categories of being resolvable within the existing PMP, requiring a change to the PMP, or unresolvable, resulting in deviation to the PMP. It is very important to understand that changes to the target PMP elements which the project is measured against is not allowed for lack of performance that is not driven by a change in the PMP requirements (IE: change in scope, schedule, quality, etc.)

#### Issue Identification and Disposition:

Issues are identified and documented by any project team member or stakeholder and an issue form describing the issue is given to the project manager for resolution.

WBS element owners have specific responsibility for identifying and assisting the project manager in the resolution of issues. Each WBS element owner (SAP Project System Applicant) is responsible to the project manager (SAP Project System Responsible Person) for actively developing, executing, monitoring/controlling and closing out their assigned WBS elements. Each WBS owner is responsible for providing the project manager with potential methods for resolving issues associated with their WBS elements. The WBS owner (Applicant) works with the WBS element manager (Responsible Person) to propose a resolution for the identified issues to the project manager.

The project manager works with the owner of the WBS element that the issue is associated with and other appropriate team members & stakeholders to determine the disposition of the issue. If the issue is real, it is then determined if the issue is resolvable within the current PMP, is a change to the PMP requiring change control, or is simply an performance deviation for which change is not allowed.

#### Resolution Authority Levels:

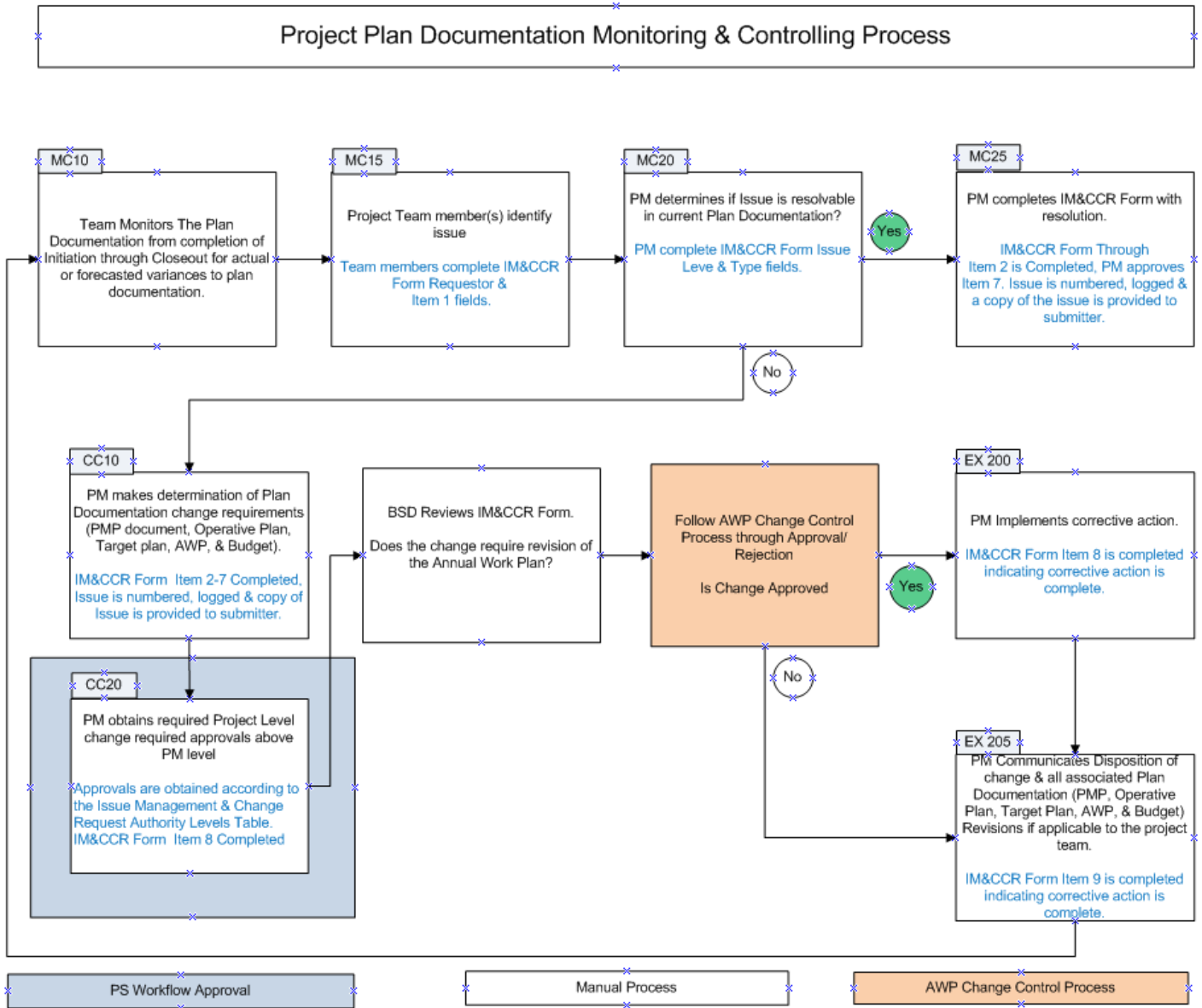
Different levels of authorization are required to authorize implementation of issue resolution recommendations.



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## DETAILED PROCESS

### Issue Identification and Resolution Process Map





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### Monitor & Controlling Process Map Descriptions

The following descriptions are provided to help clarify the process steps outlined in the process map shown above. **Plan Documentation** refers to all documents defining any portion of the project plan. This includes but is not limited to the **PMP, SAP Operative Plan, SAP Target Plan, Annual Work Plan, & Budget.**

#### *MC10 - Monitoring*

This step includes monitoring for any issues driving deviation from the Plan Documentation. All project team members continuously monitor the project for actual, or forecasted deviations to the plan. The team monitors The PMP from completion of Initiation through Closeout

#### *MC15 – Project Team Members Identify Issue*

An Issue may be any deviation or forecasted deviation to the plan. Issues are identified in this step and the Issue is documented in the IM&CCR form. Team members complete IM&CCR Form **PS ID, Submitted By, Date, & Item 1 fields.** The form is turned into the PM

#### *MC20 –PM Determines if the Issue is Resolvable in the Current Plan Documentation*

PM receives the IM&CCR form from requestor. Issue is numbered, logged & copy of Issue is provided to submitter. This is the requestor's proof of issue submission which allows the submitter to follow up on the issue referring to the issue number, and obtain status of its resolution.

The PM determines if the issue may be resolved without changing the plan documentation or if a change to the plan will be required to resolve the issue. The PM completes the **Issue Level & Issue Type fields.**

#### *MC25 –PM Completes IM&CCR Form with Resolution*

If the issue is resolvable in the current plan the PM Completes IM&CCR Form **Item 2 field** is Completed, PM approves & completes **Item 7 fields.** Issue is numbered, logged & a copy of the issue is provided to submitter.

#### *CC10-PM Determines Plan Documentation Change Requirements*

If the issue is not resolvable in the current plan the PM determines Plan Documentation change requirements to the PMP document, Operative Plan, Target plan, AWP, & Budget.

PM completes IM&CCR Form Item 2-7. Issues resolution will typically require preventative or corrective action and fall into one of the four major categories A, B, C, or D shown in Table 2. Issues that are type D must be broken down by type on the IM&CCR form. If it is indicated that the AWP requires revision the IM&CCR form is attached to AWP change request form for backup information and submitted to AWP change control process.

#### *CC20 – PM Obtains Required Approvals Above PM Level of Authority*

Changes that exceed the authority level of the PM are forwarded for additional approval according to the Change Minimum Required Approval Levels Issue Management & Change Request Authority Levels Table which follows in this section. *These Approvals are in SAP PS Workflow.* Item 8 is completed.

#### *EX 200 - PM Implements Corrective Action*

The PM simply implements the corrective action. IM&CCR Form Item 9 is completed indicating corrective action is complete.



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### *Project or Process Complete*

When the work is complete and the financials are closed to changes for the fiscal year no further monitoring is required & no further changes will take place to the plan(s).  
Monitoring/Controlling, Issue Management and Change Control are complete for the work.



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### **Thresholds**

The District does not have thresholds below which issues or associated project changes are not required to be documented. The reason for this is when you set a minimum threshold level and have an issue that occurs just below that level the issue is undocumented and lost as if it never occurred. If you have another issue just below the threshold level and as such is also not documented you now have two issues which when combined are well over the threshold level that may significantly impact project performance. Both issues would be lost and even if the issues were ones that could have been approved to provide more time, funds, or other changes to the PMP, there is no documentation of occurrence or basis for making adjustments.

Document all issues and their associated impacts to the PMP. If issues are small and do not impact performance beyond what you are willing to accept responsibility for you may choose not to immediately resolve the issue. You may collect small issues that have minimal project impacts and implement a single change to the PMP for the collected issues. All issues on hand should be resolved for each reporting cycle to produce up to accurate project performance reports.

The District Project Management Plan elements to monitor performance against and potential indicators of performance are shown below.

### **Project Management Plan Elements to be Monitored**

All Project Management Plan Elements (listed below) are monitored to determine if any deviation from plan is occurring. Where deviations are identified, an Issue Management Form must be completed. The Form describes the issue, impact to the plan, potential resolution including change control if required, and authorized signatures.

Approvals	Plan Value
Executive Summary	Quality
Team	Risk
WBS	Communication
OBS	Acceptance
Work Definition	Closeout
Schedule	Monitor & Control
Resources	Reports





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

### Potential Indicators of Performance Deviation

The items that should be monitored and may provide indication that performance may be different from planned include but are not limited to the following:

- Performance reports from project execution
  - Schedule
  - Costs
  - Funding
  - Resources
- Rejected change requests
- Management directives
- Hurricanes (force majeure)
- Engineering
  - Revised drawings
  - Revised Specifications
- New customer requirements / specifications
- Revised schedule logic
- Revised milestone or interface points
- District budget/funding revisions
- Quality requirements, performance
- Risk requirements, performance
- Communication requirements, performance



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Issue Type Definitions**

Issue Types are shown below. For examples to assist with determination of issue type refer to the Districts Methodology manual.

<p><b>Issue Type A.</b> The issue is resolvable within the current plan. The project plan will not need to be modified. The project will regain performance as planned even though initial performance is not to plan.</p>
<p><b>Issue Type B.</b> The issue is not resolvable within the current plan. The issue is a change to the plan and is not an issue due to lack of performing to the plan.</p>
<p><b>Issue Type C.</b> The issue is a performance issue. The plan is still correct except that the project is not performing to the cost plan.</p>
<p><b>Issue Type D.</b> The issue is a combination of two or more issue types (A, B, &amp; C) The issue requires multiple resolution solutions.</p>

**Change Approval Level Signature Requirements**

Change Approval Level	Description	Project Manager	Project Manager Supervisor	Division Manager	Department Manager	Resource Area Manager	AWP Review Board	Stakeholders
1	All Project Level PMP or Process changes	X	X					
2	All Project or Process changes impacting Division commitments.	X	X	X				
3	All Project or Process changes impacting Department commitments.	X	X	X	X			
4	All Project or Process changes impacting Resource Area commitments.	X	X	X	X	X		
5	All Project or Process changes impacting AWP commitments.	X	X	X	X	X	X	
6	All changes where other stakeholders are impacted.							X



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

- 1** All project or process change requests including:
  - Moves of budget within the project or processes total budget.
  - Moves of individual activities within the project schedule.
- 2** All Project or Process changes that impact Division commitments but do not impact AWP budget or schedule commitments for the Project or Process. Examples:
  - One project or process in the Division impacts another project or process in the Division but does not impact AWP commitments.
- 3** All Project or Process changes that impact Department commitments but do not impact AWP budget or schedule commitments for the Project or Process. Examples:
  - One project or process in the Department impacts another project or process in the Department but does not impact AWP commitments.
- 4** All Project or Process changes that impact Resource Area commitments but do not impact AWP budget or schedule commitments for the Project or Process. Examples:
  - One project or process in the Resource Area impacts another project or process in the Resource Area but does not impact AWP commitments.
- 5** All changes impacting an AWP project and or process to be performed including:
  - AWP Results indicators, AWP scheduled quarter results, AWP Budget

AWP changes must meet one, or more, of the six criteria approved by the DPM Steering Committee as follows:

1. Significant new initiative
  2. Necessary resources redirected by Executive Office
  3. Governing Board Direction
  4. In the best interest of the District (state why it is)
  5. Project deferred by a partner or third party
  6. Weather
  7. Significant financial savings
- 6** All changes where other stakeholders are impacted. Examples might include.
    - Project Y requests a change that impacts project X. Project X should approve the change.
    - Resource Area A is receiving a product to operate that is being built for them by Resource Area B. Resource Area A should approve all changes impacting their requirements.
  - 7** All changes to a budget surplus which does not affect the annual work plan do not require the change to be brought to or approved by the DPM Steering Committee.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**Change Control Annual Calendar**

Change requests may be submitted and resolved throughout the projects life. For Annual Work Plan level changes the business follows the following calendar where changes may be submitted.

Description	January	February	March	April	May	June	July	August	September	October	November	December
Annual Work Plan changes to be considered for mid fiscal year.		X	X	X								
Special case reviews for changes.	X	X	X	X	X	X	X	X	X	X	X	X

**Issue Management Log and Form**

All issues are documented on the issue management form. The forms are turned into the project manager for resolution. The project manager logs the issue and places the issue log id on the issue form. A copy is then given to the person who turned in the issue. The issue form and log are updated as the issues move through the required approvals and implementation process. The log and form become a part of the project records imbedded in the PMP document. Other documents such as drawings, pictures, specifications, correspondence, what if schedules ect. Associated with issues should be stored with the projects other documentation and be clearly identified as to which issue each document supports.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**MONITORING & CONTROLLING - ISSUE & CHANGE MANAGEMENT LOG**

Resource Area \_\_\_\_\_  
 Project Name \_\_\_\_\_

Project ID \_\_\_\_\_

**Issue Type A.** The issue is resolvable within the current plan. The project plan will not need to be modified. The project will regain performance as planned even though initial performance is not to plan.

**Issue Type B.** The issue is not resolvable within the current plan. The issue is a change to the plan and is not an issue due to lack of performing to the plan.

**Issue Type C.** The issue is a performance issue. The plan is still correct except that the project is not performing to the cost plan.

**Issue Type D.** The issue is a combination of two or more issue types (A, B, & C). The issue requires multiple resolution solutions.

<i><b>Issue Management</b></i>							<i><b>Change Management</b></i>										
Issue Number	Submitted By	Submitted Date	Summary Description of Issue	Issue Type(S) A,B,C,D	Issue Status (Open, Closed)	Issue Date Closed	Change Control Request # if Applicable	Change Control Status (Open, Closed)	Change Control Date Closed	Working Plan Budget Change	Working Plan Schedule Change	Working Plan Other Changes	Target Plan Budget Change	Target Plan Schedule Change	Target Plan Other Changes	AWP Plan Cost Change	AWP Plan Cost Change
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

## PMP Issue Management & Change Control Request Form

<b>PS ID:</b> 100567	<b>Issue Level (Project or AWP) P</b>	<b>Issue #:</b> 1	<b>Issue Type:</b> (A, B, or C):A	<b>Submitted By:</b> Mary Doe	<b>Date:</b> 7/01/2010
----------------------	---------------------------------------	-------------------	-----------------------------------	-------------------------------	------------------------

*Issue Type Legend:* Type A the issue is resolvable within current PMP and no change to plan is needed. Type B The Issue is a requirements change to the PMP or realized PMP Risk. The issue is not a performance issue. Type C The issue is a performance issue (only budget change allowed).

**1. Issue Description (Completed by Anyone) Description, possible solution(s) & reasons for any desired changes. Attach additional details, estimates, drawings, PS Simulation data, or other information supporting the need for the requested changes**

The construction contractor started on time but is currently 3 days behind schedule.

**2. Disposition (Completed by PM)**

The project manager analyzed the project schedule and confirmed with the contractor that the time could be made up with no impacts IE: to other activities, AWP deliverables, cost, or other stakeholders. Construction is expected to finish on time.

Sections 3 4,5, & 6 of this form are not required

**3. PMP Changes (Completed by Project Control): Which version and elements of the PMP will need to be revised?. Only applicable for B issues or budget change on C issues. N/A for Type A issues. Insert supporting details at back of form electronically or reference supporting documents and there storage location if unable to attach a copy.**

Project Management Plan Document (PMP) that requires revision \_\_\_\_\_ Version \_\_\_\_\_

**4. Identify other Project Plan documents that are being requested to be adjusted by this request. (Completed by Project Control):**

SAP PS Target Plan: \_\_\_\_\_ Version \_\_\_\_\_

Other Items or documents \_\_\_\_\_

**5. Summarize Type B & C components of the requested change as appropriate.. A Issues do not require this section to be completed**

Type	Operative Plan Budget (fund) Change	Operative Plan Schedule Change	Operative Plan Other Changes	Target Plan PMP/SAP PS/Plan Cost Change	Target Plan PMP/SAP PS Schedule Change	Target Plan Other PMP/SAP PS/ Changes	Annual Work Plan Changes (Scope, Budget, Schedule, Milestones)
B	Change Amount (\$'s)	Change in Critical Path (days)	Non schedule or budget changes	Change Amount (\$'s)	Change in Critical Path (days)	Non schedule or budget changes	Complete AWP change request form
C	Change Amount (\$'s)	Change in Critical Path (days)	Non schedule or budget changes	Change Amount (\$'s)	Change in Critical Path (days)	Non schedule or budget changes	Complete AWP change request form

**6. For Type B Issues identify the Target documentation below which will reflect the changes once they are approved. (Completed by Project Control):**

Project Management Plan \_\_\_\_\_ Version \_\_\_\_\_

SAP PS Target Baseline: Project Name \_\_\_\_\_ Version \_\_\_\_\_

Other Items or documents \_\_\_\_\_

**7. Required Approvals:** :Project Manager Approval

*John Doe* \_\_\_\_\_ Date 07/02/2010

Resource Area Business Services Director

*Jane Doe* \_\_\_\_\_ Date. 7/3/2010

8. Resource Area Project Control Implementation date (after all approvals are complete) N/A \_\_\_\_\_ Date \_\_\_\_\_

*Note: Project Control in conjunction with the WBS element PM and Overall Project PM certifies that the issue has been resolved in compliance with the Districts Project Control manual. Note closure date on the Monitoring & Controlling Issue & Change Log is when item 7 above is complete*

9. Other Required Approvals (if desired))

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX \_\_\_\_\_ Date \_\_\_\_\_



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**ANNUAL WORK PLAN CHANGE CONTROL FORM**

*Refer to the Budget Office for the current Annual Work Plan Change Control Form.*

## REPORTS




### RESOURCE AREA PROJECT PERFORMANCE REPORT REVIEW & APPROVALS

*This section of the PMP contains the standard District Reports, Frequency of Reporting, Responsibility for Construction, & Project /Resource Area Review Requirements.*

#### PERFORMANCE REPORTING FREQUENCY

*Reports described in this section are to be updated MONTHLY. Reports may be updated more frequently for short cycle projects but monthly is the business minimum requirement. Reports are required to be run to include all data through month. If you are reporting weekly ensure that the last weeks report for each month includes data through the end of the month.*

#### WHAT PROJECTS ARE REQUIRED TO REPORT

*All projects independent of status (Green, Yellow, or Red)  are to be reviewed at least once a month by Resource Area Management. The **Resource Area Project Review And Action Plan Report** is to be utilized for the review. Review of the project is indicated by dating column C. An action plan must also be completed for projects in the red  or yellow  status zone. Status is determined by overall performance as indicated by the projects One Page Performance Report*

#### WHEN DO PROJECTS BEGIN REPORTING

*Reporting does not wait until execution. A change in expected cost, risk, schedule, quality, scope or requirements may occur before the project actually begins execution. As such projects are to begin reporting according to the reporting cycle once the project plan is approved.*

#### REQUIRED PERIODIC PROJECT PERFORMANCE REPORTS

*A project performing well is not exempt from review. All projects are to be periodically reviewed by Resource Area Management whether the performance is positive or negative according to the plan.*

- *Report 1 is to be completed by Resource Area Management*
- *Reports 2,3&4 are to be approved by Resource Area Management after review with the Project Manager*
- *Reports 2,3,&4 are completed by the Project Manager after review and approval by the project team.*

- 1. Resource Area Project Performance & Action Plan*
- 2. One Page Project Performance Report*
- 3. WBS Tabular Cost & Schedule Report (Through Activity Level)*
- 4. Schedule Gantt Chart (By WBS through Activity Level)*

#### HOW TO PRODUCE AND UPDATE REPORTS IN THIS SECTION

*The procedures for running the reports are included in the Reporting section of the Project Control Manual. Note: The template for Report 2 is embedded in this document as an Excel file and the instructions for updating it are also included in the Report section of the Project Control Manual.*

*All reports are to be updated within this document by replacing the sample reports on the following pages with the updated reports for your specific project.*



# RESOURCE AREA PROJECT REVIEW AND ACTION PLAN REPORT

(Monthly Report to Executive Office)

## REQUIREMENTS FOR COMPLETION OF THE RESOURCE AREA ACTION PLAN REPORT AND REPORTING TO THE EXECUTIVE OFFICE



*All projects independent of status (Green, Yellow, or Red). are to be reviewed at least once a month by Resource Area Management.*

*The form below is to be utilized for the review. This form is to be maintained as a complete list for all Resource Area projects outside of this document and the reviews for this project are to be maintained below in this PMP. The Resource Area review list for all Resource Area projects is to be submitted monthly to the executive office.*

### PROJECT MANAGER RESPONSIBILITY

- *Completes column A by entering the Report data that the data was ran from SAP PS.*
- *Completes column B by entering the Overall Project Status from the One Page Project Report.*

### RESOURCE AREA MANAGEMENT RESPONSIBILITY

- *Indicates review of the project report by dating column C of the form below with the Review date (required for all Projects)*
- *Complete Column D,E,& F for all projects with the status of red  or yellow  status zone (status is determined by the “overall project performance” as indicated on the following One Page Project Report.*
- *Updates the Result Obtained Date at each resource area project review meeting as needed.*

RESOURCE AREA PROJECT REVIEW AND ACTION PLAN REPORT

<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>
<i>Project Report Date</i>	<i>Status</i>	<i>Resource Area Management Review Date</i>	<i>Issues from One Page Report</i>	<i>Resource Area Action Plan &amp; Expected Results</i>	<i>Result Promise Date</i>	<i>Result Obtained Date</i>

PROJECT PERFORMANCE REPORT



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**WBS TABULAR COST & SCHEDULE REPORT (THROUGH ACTIVITY)**



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**

**GANTT CHART (BY WBS THROUGH ACTIVITY LEVEL)**