

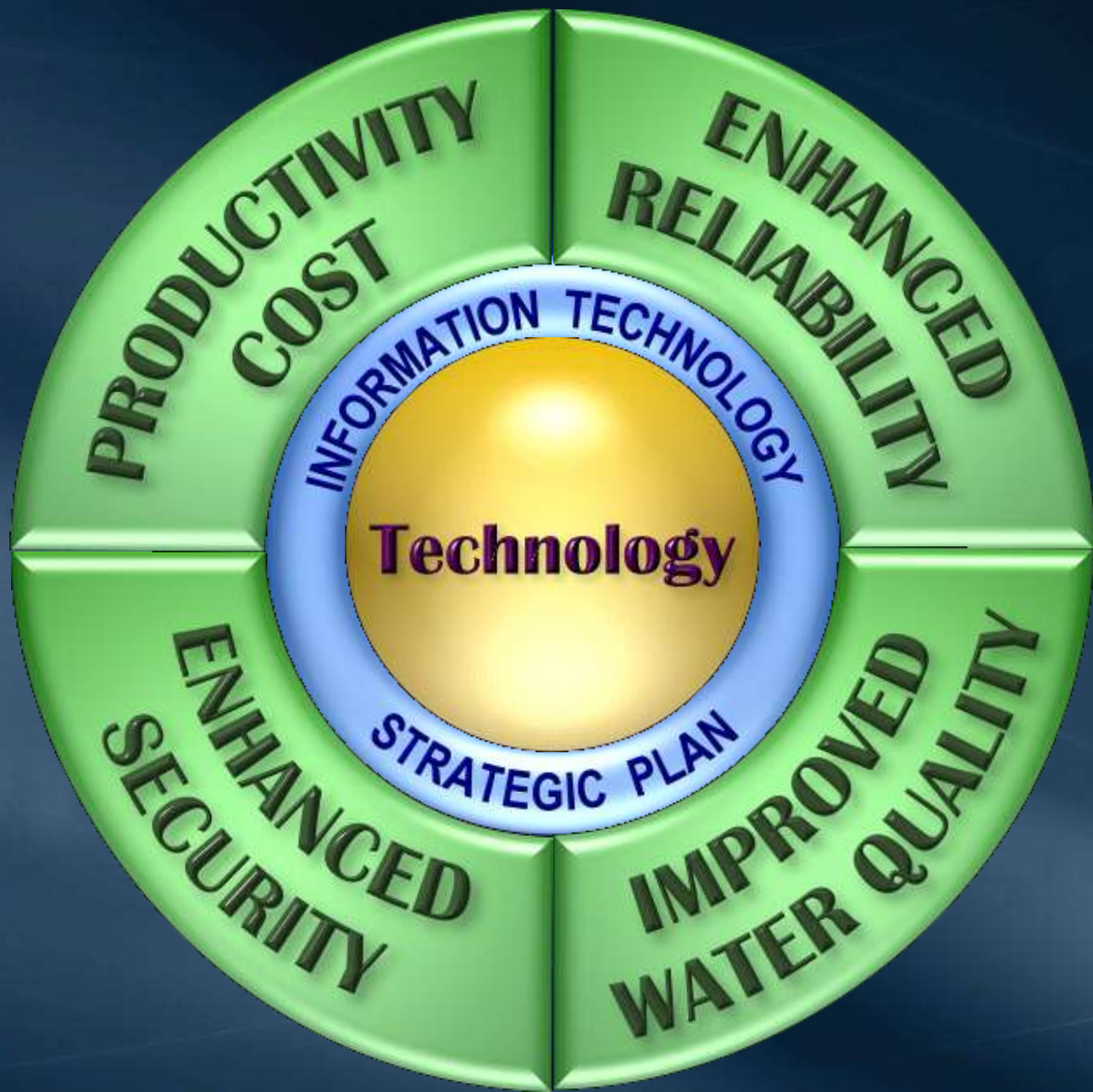


# IT Strategic Plan Update - Quarterly Report for Period Ending June 2013

Organization, Personnel and Technology

Item # 6a

September 9, 2013



# Key Accomplishments



## Communication Infrastructure Reliability:

- Wide-area network reliability upgrade (Colorado River Aqueduct)



# Key Accomplishments



## Infrastructure Upgrades:

- Wadsworth control and protection systems



60% Submittals - Completed

90% Submittals - Substantially Complete

Prototype – Confirm key design concepts (~25% Complete)

# Key Accomplishments

## Infrastructure Upgrades:

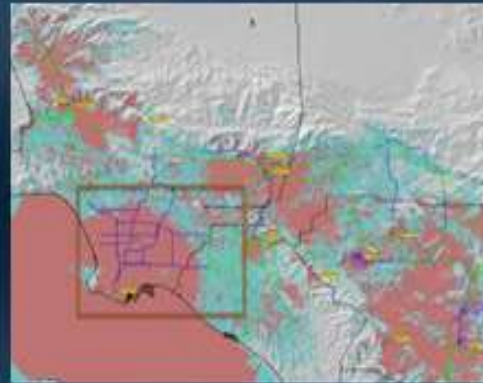
- Emergency Communication Radio System



Handheld, Mobile Radio  
and Base Station



Mobile Radio in  
Truck



Conceptual Design - Completed

FCC (Frequency Acquisitions) - Completed

# Key Accomplishments



## Improved Water Quality:

### Enhanced Access to Water Quality Data

- Water Quality Lab Sheet
- Electronic System Log



# Key Accomplishments



## Enhanced Security:

- Issued End User Computing Information Security Standards
- Continued SCADA Security enhancements
- Monitored local and national cyber security efforts



# Key Accomplishments



## Productivity Cost:

- Underground Service Alerts (DigAlert) Pilot
- Automated tools to support HR
- Continued Personal Computer Replacement Program





# Connecting our Customers with Technology



Technology, Integration, Infrastructure

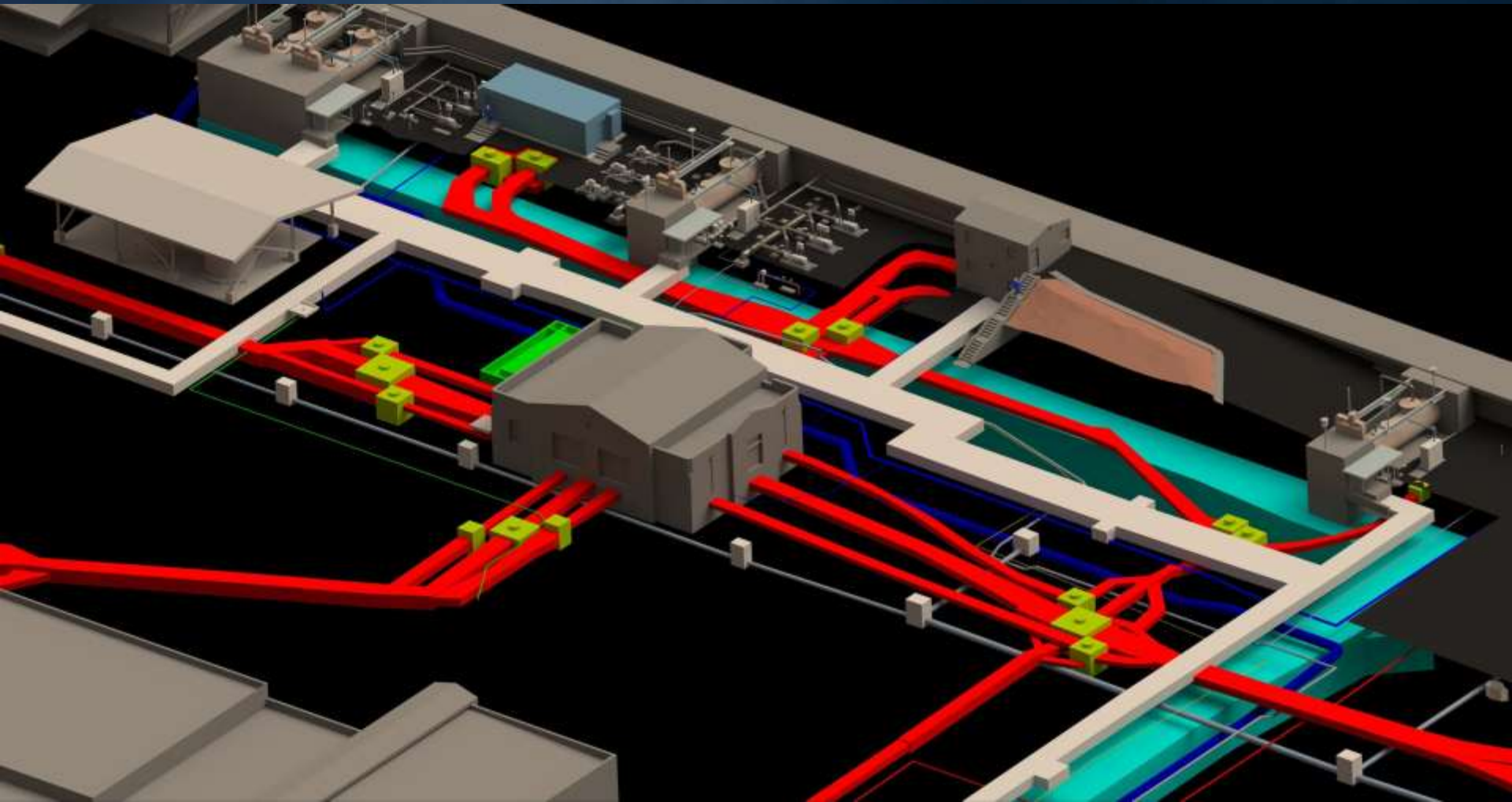
## Engineering Services Group

# Engineering Services Group

- Engineering Applications / Tools
- Mapping Services
- GIS Technical Support
- Hydraulic Modeling
- Project Control System

# Engineering Applications / Tools

- Computer - Aided Design (CAD)
- Document Management System (ProjectWise)



# Engineering Applications / Tools

- Digital Signature

**F. E. WEYMOUTH WATER TREATMENT PLANT - WEYMOUTH ORP OZONATION FACILITIES**  
PROJECT DRAWINGS COORDINATION / REVIEW AND APPROVAL SHEET

**COORDINATION / REVIEW**

**APPROVALS**

DESIGN UNIT	PRINT NAME	SIGNATURE	DATE
LEAD CIVIL	Dennis Williams		7-2-12
LEAD ARCHITECTURAL	---	---	---
LEAD STRUCTURAL	FERRIS MORALES		7-2-12
LEAD MECHANICAL	NABIL MESSADIEH		7-2-12
LEAD ELECTRICAL	A. YIP		7-2-12
LEAD INSTRUMENTATION & CONTROLS	KIRYL BERAOLAN		7-2-12
LEAD GEOTECHNICAL	---	---	---
ENVIRONMENTAL, HEALTH & SAFETY	---	---	---
ARCHITECTURAL QA/QC	AHMED ELHADADY		7-2-12
CIVIL QA/QC	ROBERT P. BELL		7-2-12
STRUCTURAL QA/QC	E. LUCAS SWEET		7/2/12
MECHANICAL QA/QC	KENN KORDAS		7/2/12
ELECTRICAL QA/QC	STEVEN T. DO		7/2/12
INSTRUMENTATION QA/QC	STAN L. PERKINS		7/2/12

WATER SYSTEMS OPERATIONS	PRINT NAME	SIGNATURE	DATE
CONVEYANCE AND DISTRIBUTION SECTION	---	---	---
DESIGNATE	---	---	---
OPERATIONS SUPPORT SERVICES SECTION	---	---	---
DESIGNEE	---	---	---
WATER TREATMENT SECTION	---	---	---
UNIT MANAGER	---	---	---
WATER QUALITY SECTION	---	---	---
DESIGNEE	---	---	---

ENGINEERING SYSTEMS PLANNING UNIT	PRINT NAME	SIGNATURE	DATE
ENVIRONMENTAL PLANNING	---	---	---
HYDRAULICS	---	---	---

ENGINEERING SERVICES	PRINT NAME	SIGNATURE	DATE
SECTION MANAGER	Wally Liu		7-16-12

INFRASTRUCTURE UNIT	PRINT NAME	SIGNATURE	DATE
SAFETY OF DAMS	---	---	---
CORROSION CONTROL	---	---	---
FIELD SURVEY	---	---	---
ENGINEERING SURVEY	---	---	---

DESIGN UNIT	PRINT NAME	SIGNATURE	DATE
UNIT MANAGER	Michael A. Rojas		7-2-12
DESIGN TEAM MANAGERS	---	---	---
EQUIPMENT	DOUGLAS BERTHOUZ		7/2/12
GENERAL	MICHAEL LAHOUE		7/2/12
INSTRUMENTATION	LUCAS VU		7/2/12
PIPELINE / FACILITIES	PAUL MULLIGAN		7/2/12
POWER	REYNOLDO H. REED		7/2/12
TREATMENT PLANT	NABIL MESSADIEH (See Sign. Schedule)		7/2/12

INSPECTION UNIT	PRINT NAME	SIGNATURE	DATE
DESIGNEE	---	---	---

PROGRAM MANAGEMENT UNIT	PRINT NAME	SIGNATURE	DATE
CONSTRUCTION CONTRACT DEVELOPMENT	MARJORIE L. DOMINGO		7/12/12

PROGRAM MANAGEMENT UNIT	PRINT NAME	SIGNATURE	DATE
PROJECT DESIGN MANAGER	E. LUCAS SWEET		7/2/12
UNIT MANAGER	ARLEN A. ARITE		7/16/12
PROJECT MANAGEMENT TEAM MANAGER	MAUREEN BURCH		7/2/12
PROJECT MANAGER	MICHAEL HARTER		7/2/12

ISSUE DESCRIPTION CONSOLIDATED ADDENDUM	METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	WATER TREATMENT PLANTS F. E. WEYMOUTH WATER TREATMENT PLANT WEYMOUTH ORP OZONATION FACILITIES	SPECIFICATIONS 1600 PROJECT NUMBER 104192
ISSUE DATE: JUNE 2012	APPROVED DRAWINGS ARE LISTED ON INDEX SHEETS B-13554G THRU B-13555E	CONSOLIDATED ADDENDUM APPROVAL SHEET	SHEET 6 DWS B-135536

# Mapping Services

- Provide GIS application services
- Publish GIS data and map services
- Quickmap and MetMap

## QUICKmaps.NET v4.2

[Help](#) [Training](#)

MWD Atlas Search & Print



MWD Overview



MWD Property



MWD Facilities



EDMS Drawing Search



Media/Cust Service/Legislative



PRIMA



Condition Assessment



Maximo



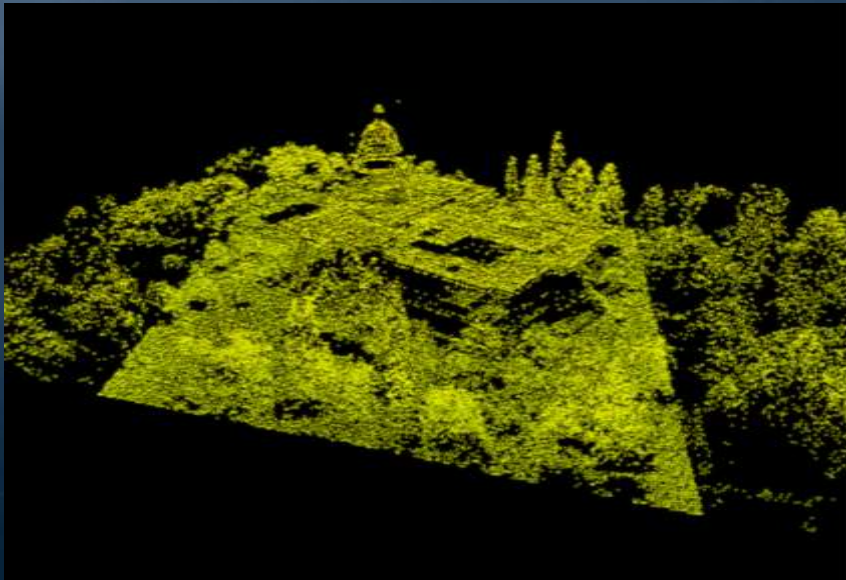
Dig Alerts



# GIS Technical Support

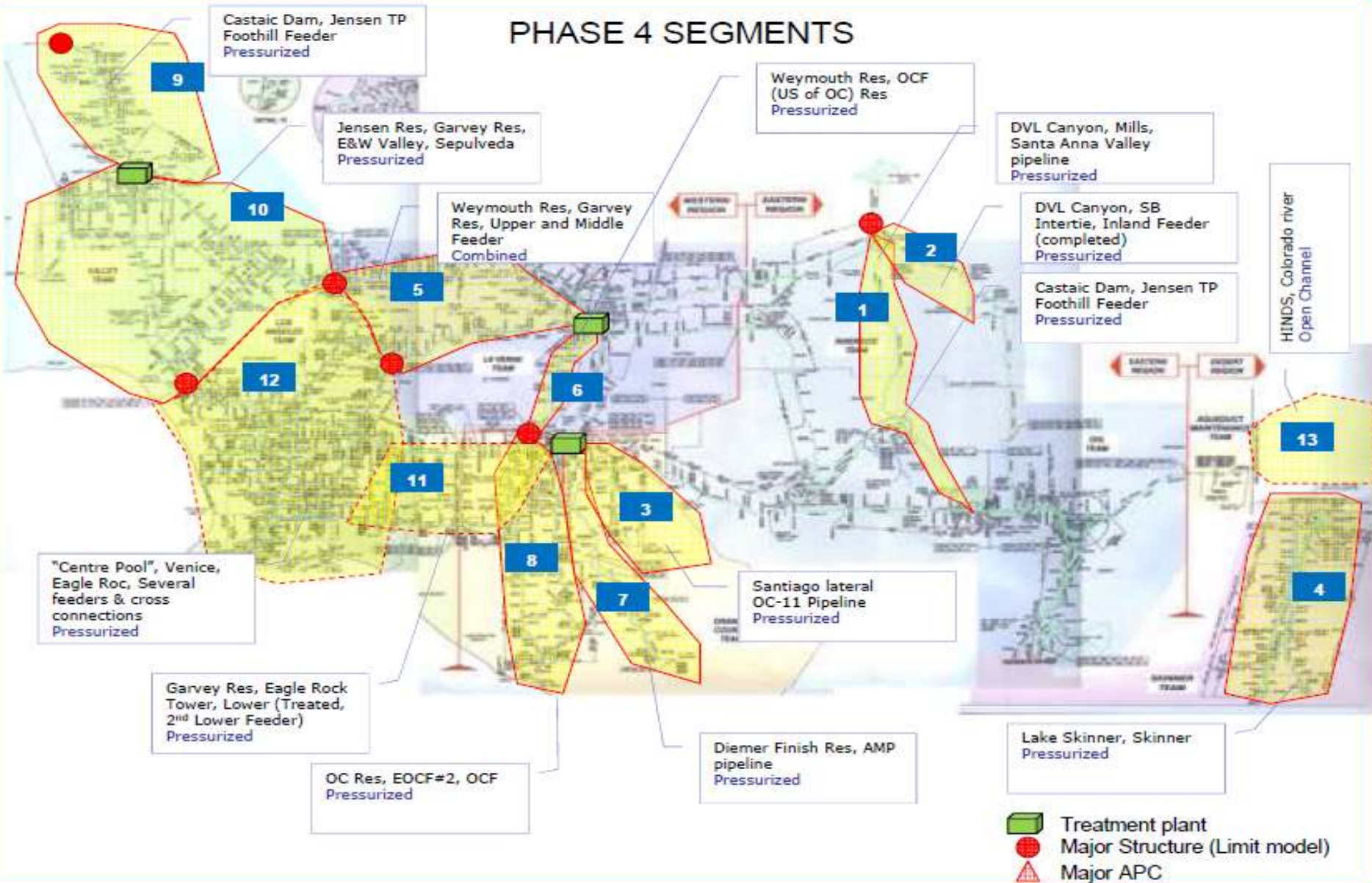
## Bay-Delta

- 3 Tb of imagery data from DWR
- Loaded to disk to make available to GIS software for viewing and analyzing
- 4 Tb of lidar data from DWR



# Hydraulic Modeling

## PHASE 4 SEGMENTS



# Project Management Information System

- Project Planning
- Budgeting
- Reporting
- Project Control





# Upcoming Priorities

- Testing of Wadsworth Control System Prototype
- Continue replacement of PCs
- Continue to implement SCADA security measures
- Upgrade outdated servers
- Continue PeopleSoft system upgrade

