

**San Joaquin River Exchange Contractors Water
Authority Presentation for the
Water Education Foundation Central Valley Tour
April 15, 2010**



Presentation Overview

1. Background of the San Joaquin River Exchange Contractors Water Authority
2. What is the “Exchange Contract?” ^{JT2} {for the 7th time}
3. Delta Conveyance Restrictions and the Eastside – Westside linkages to the Delta Issues
4. Current Activities

Slide 2

JT1 Joann Toscano, 2/17/2010

JT2 Joann Toscano, 2/17/2010

Background of the Exchange Contractors

- Authority was Formed in 1992
 - Central California Irrigation District
 - Columbia Canal Company
 - Firebaugh Canal Water District
 - San Luis Canal Company
- Pre-1914 and Riparian Rights on the San Joaquin River Dating back to late 1800's
- Irrigate over 240,000 acres
- 840,000 acre feet – Normal Year, 650,000 acre feet - Critical Year

The Exchange Contract - What is it Anyway?

- Development of the CVP
- Two documents were signed in 1939:
 1. Exchange Contract
 - Monthly Quantity Criteria, Flow Limits, Water Quality Criteria, Water Supply Criteria
 2. Purchase Contract
 - Sold high flow rights, reserves low flow rights, We still have our senior water rights

Water Supply Outlook for 2010 Season

- The April 1st 2010 Water Supply update has forecasted inflows into Shasta Dam between 4.8 MAF to 5.3 MAF for the year, the Exchange Contract trigger for a 100 % allocation is 3.2 MAF.
- Neighboring Federal Water Districts are facing only a 30% allocation.

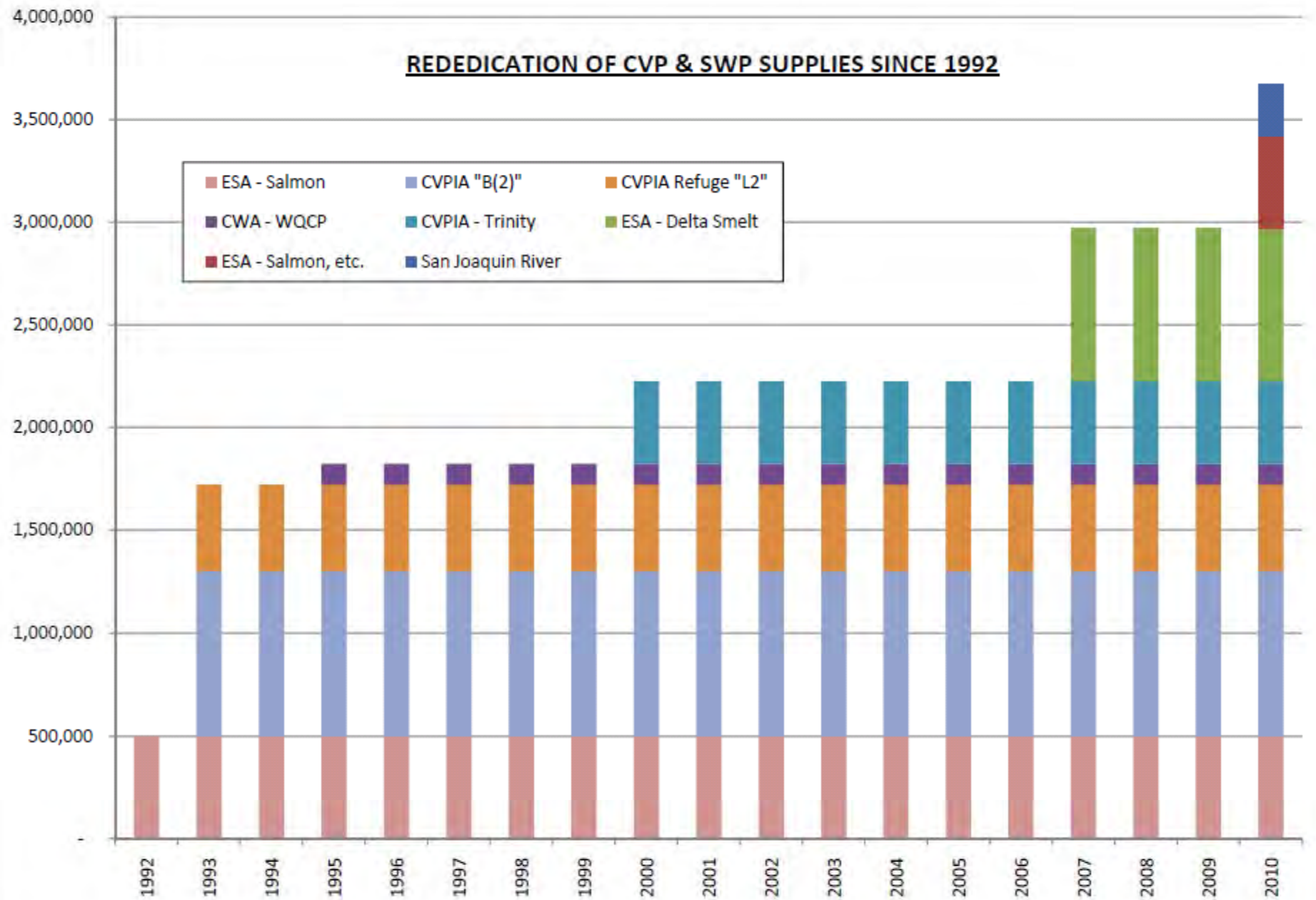
CVP Regulatory History

- Mid '90s - Clean Water Act
 - Water Quality Control Plan (SWRCB)

- Mid to Late '90s - CVPIA
 - Refuge Water Supply - 400 TAF
 - 3406(b)(2) - 800 TAF
 - Trinity River Restoration - 400 TAF

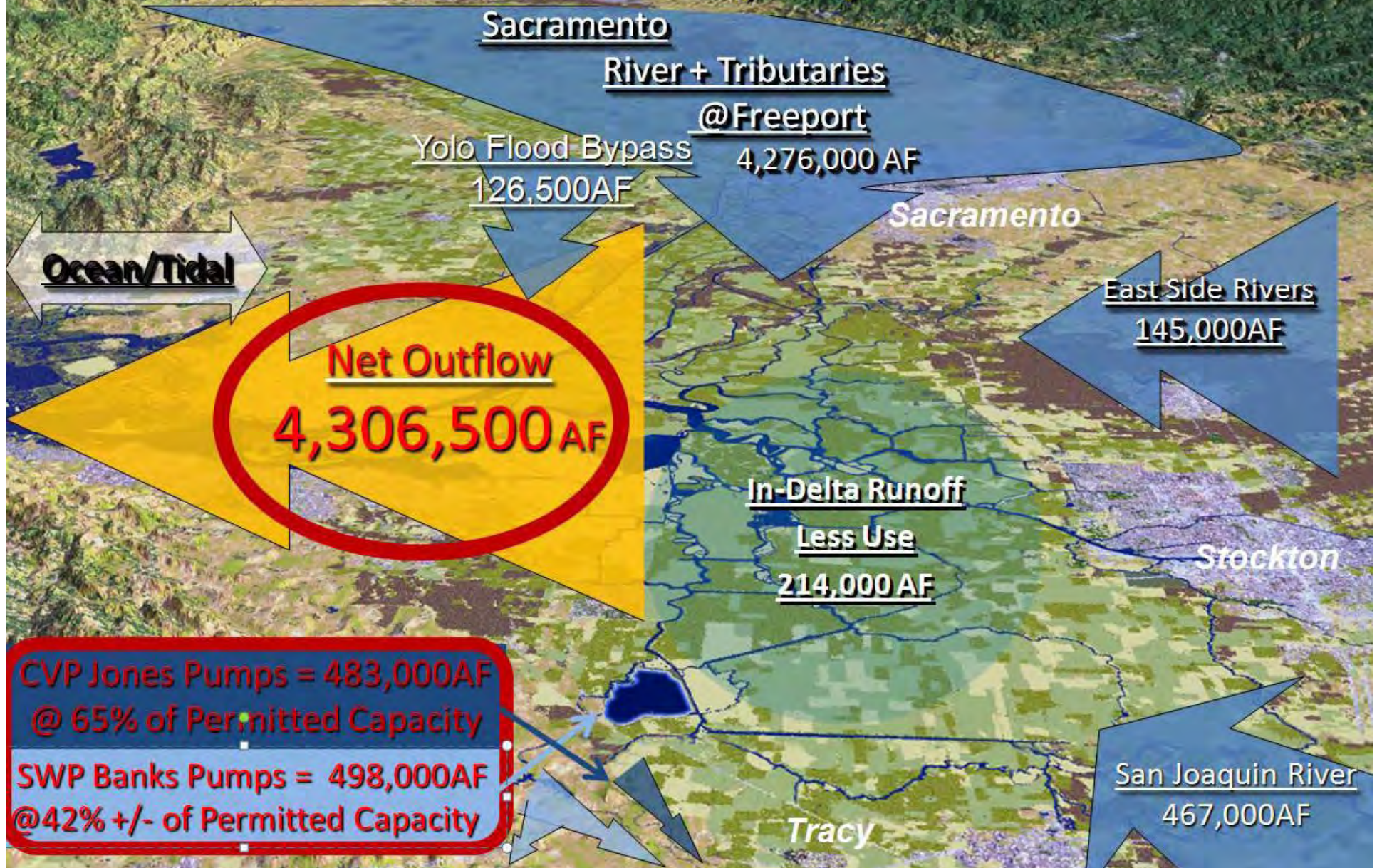
- 1991 to Now - Endangered Species Act
 - Listed
 - Winter Run, Spring Run, Delta Smelt, Sturgeon, Steelhead
 - Pending and of concern
 - Longfin, Sacramento Splittail, Fall Run

REDEDICATION OF CVP & SWP SUPPLIES SINCE 1992



Delta Flows 1/20 to 4/11/10

Total inflows = 5,056,000 AF



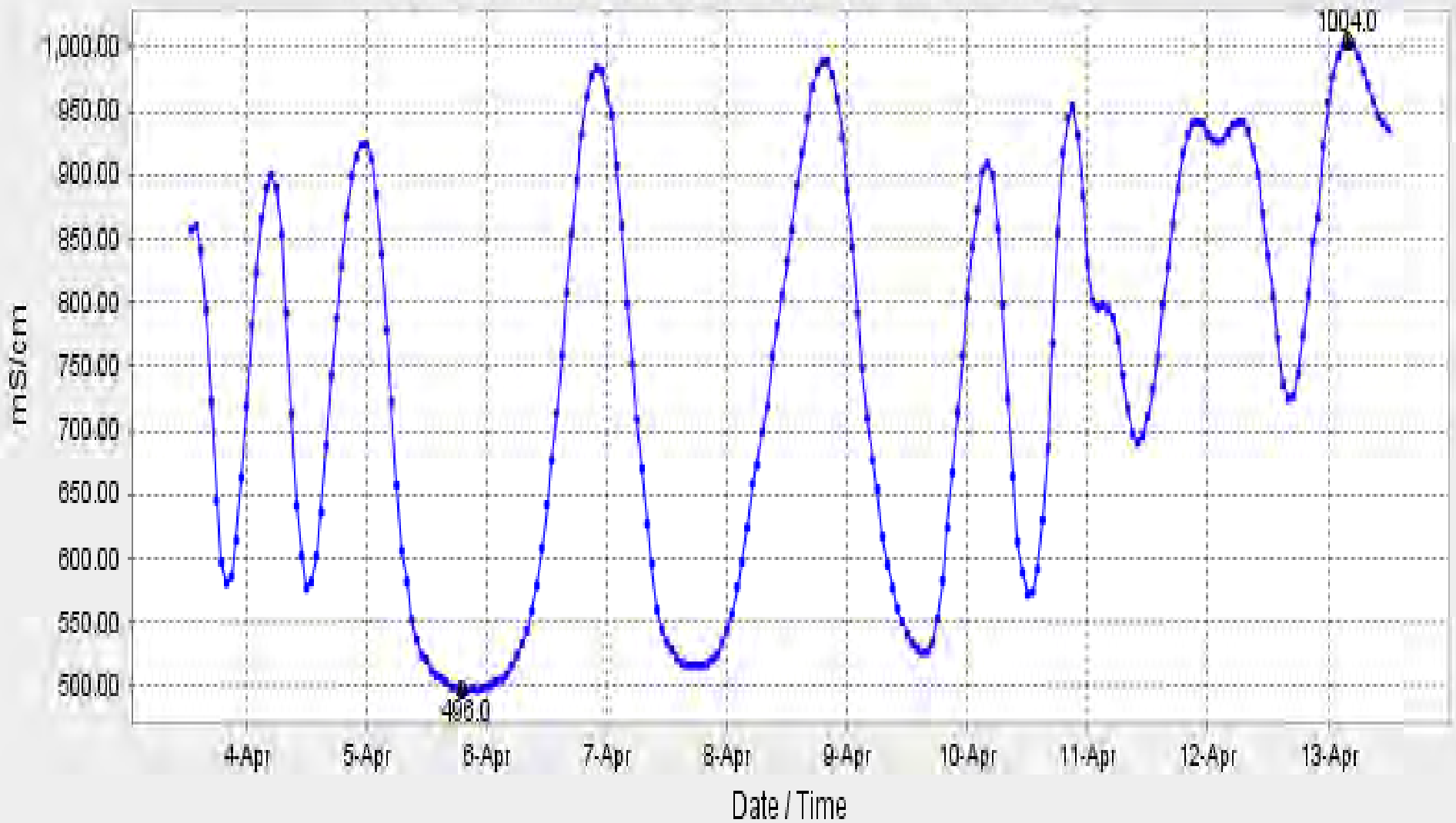
Eastside-Westside Linkage

- Export Curtailments result in:
 - Jeopardizing the ability to move Exchange Contract water through the Delta
 - Low point in San Luis Reservoir
 - The USBR is more likely to make a call on Friant water to meet the Exchange Contract
 - Necessity to implement expensive Delta 'Fixes'

CHECK 20 (DM2)

Date from 04/03/2010 12:45 through 04/13/2010 12:45 Duration : 10 days

Max of period : (04/13/2010 04:00, 1004.0) Min of period : (04/05/2010 19:00, 496.0)

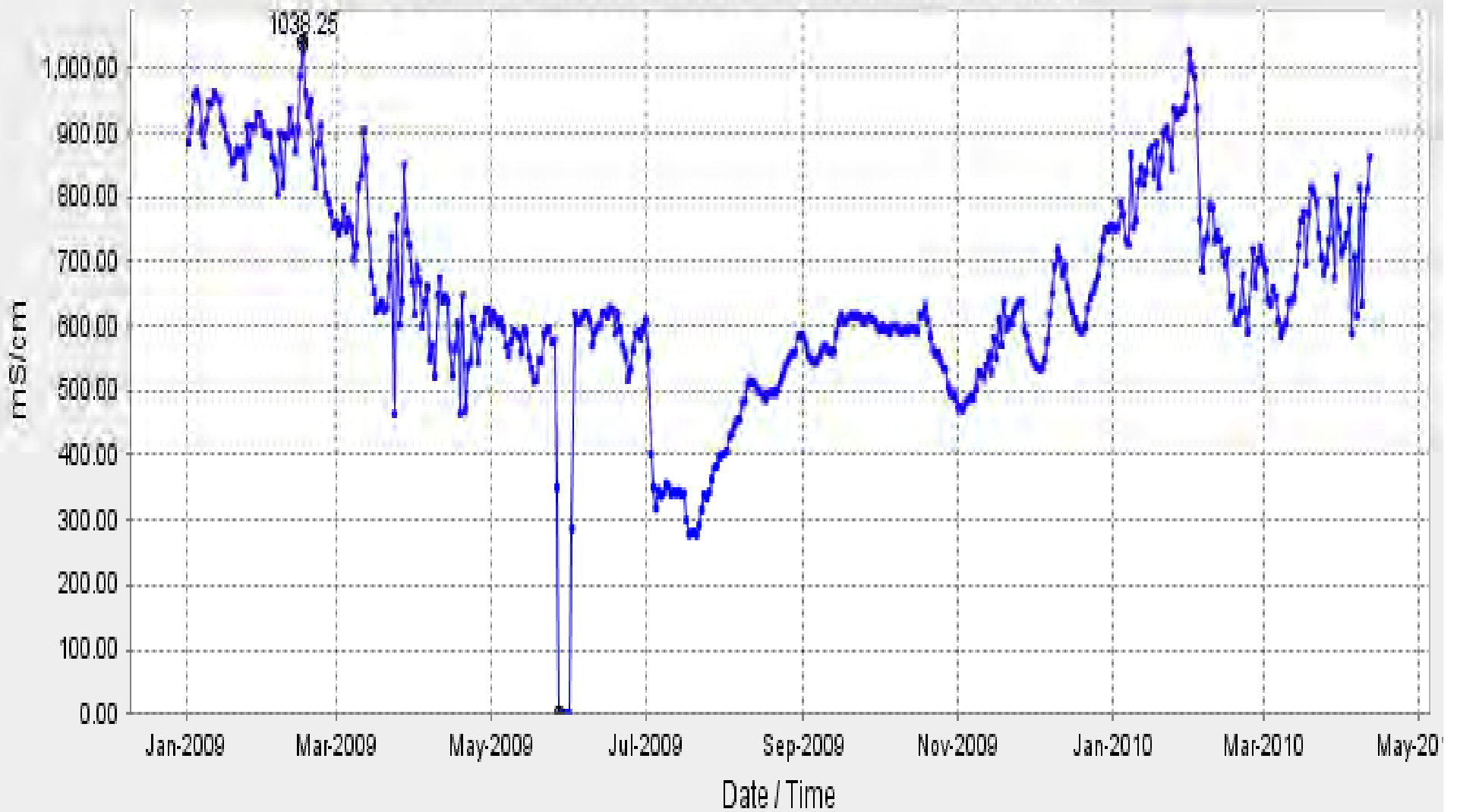


→ ELECTRICAL CONDUCTIVITY MILLI S - mS/cm (493)

CHECK 20 (DM2)

Date from 01/01/2009 12:53 through 04/13/2010 12:53 Duration : 466 days

Max of period : (02/16/2009 00:00, 1038.25) Min of period : (05/28/2009 00:00, 0.0)



+ ELECTRICAL CONDUCTIVITY MILLI S - mS/cm (8871)

Exchange Contractors

Current Issues

State Water Resources Control Board

- D-1641-Vernalis Adaptive Management Plan Extension
- Additional Flow Requirements on the SJR
- New Water Quality Regulations on the SJR
- Public Trust

Drainage Issues

Water Transfers

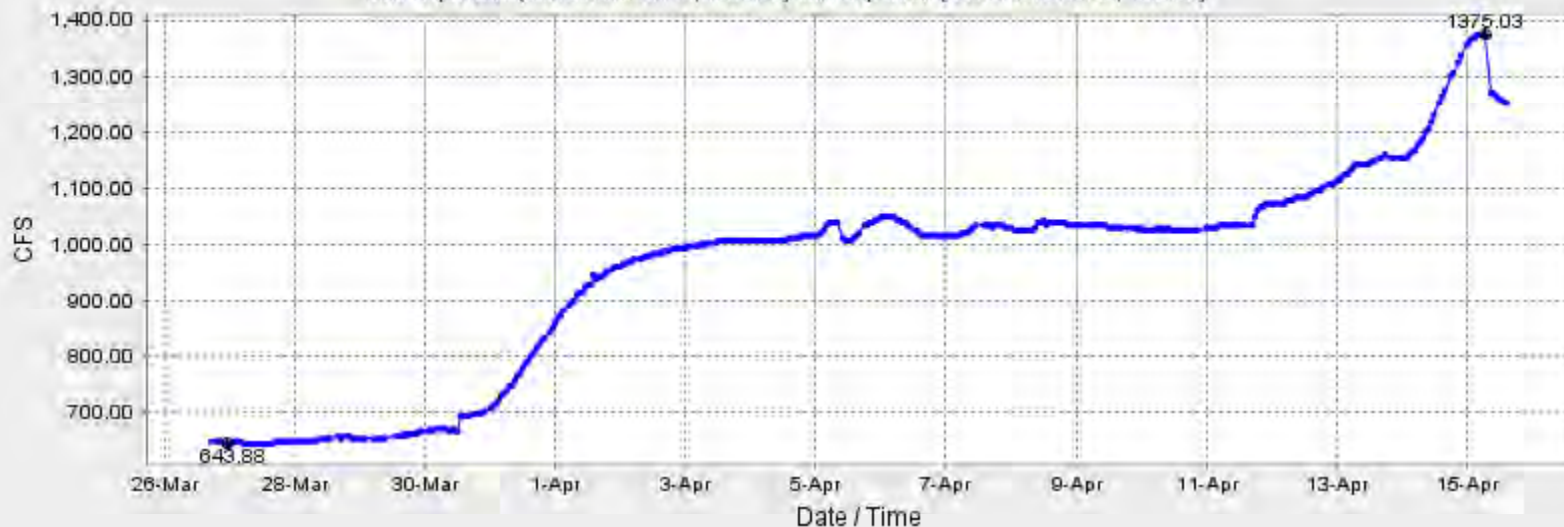
Rewetting of the San Joaquin River

Groundwater Management

SAN JOAQUIN RIVER AT GRAVELLY FORD (GRF)

Date from 03/26/2010 16:02 through 04/15/2010 16:02 Duration : 20 days

Max of period : (04/15/2010 07:00, 1375.03) Min of period: (03/26/2010 23:00, 643.88)

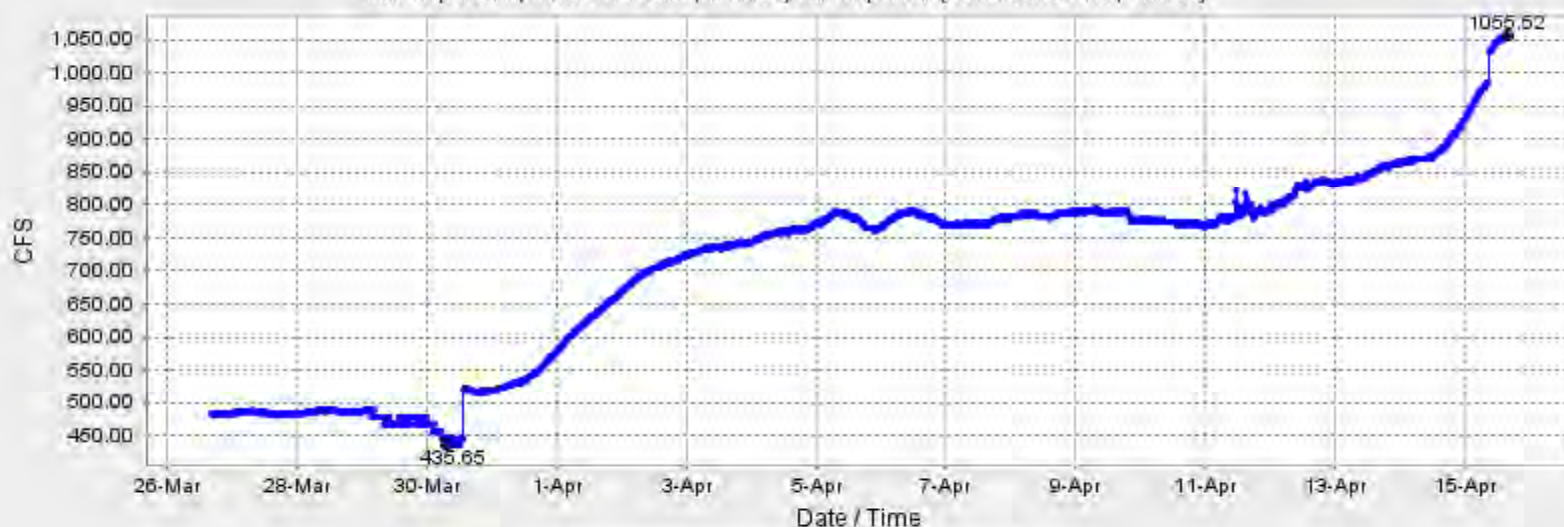


→ FLOW, RIVER DISCHARGE - CFS (6901)

SAN JOAQUIN RIVER BELOW BIFURCATION (SJB)

Date from 03/26/2010 16:03 through 04/15/2010 16:03 Duration : 20 days

Max of period : (04/15/2010 15:30, 1055.52) Min of period: (03/30/2010 07:15, 435.65)

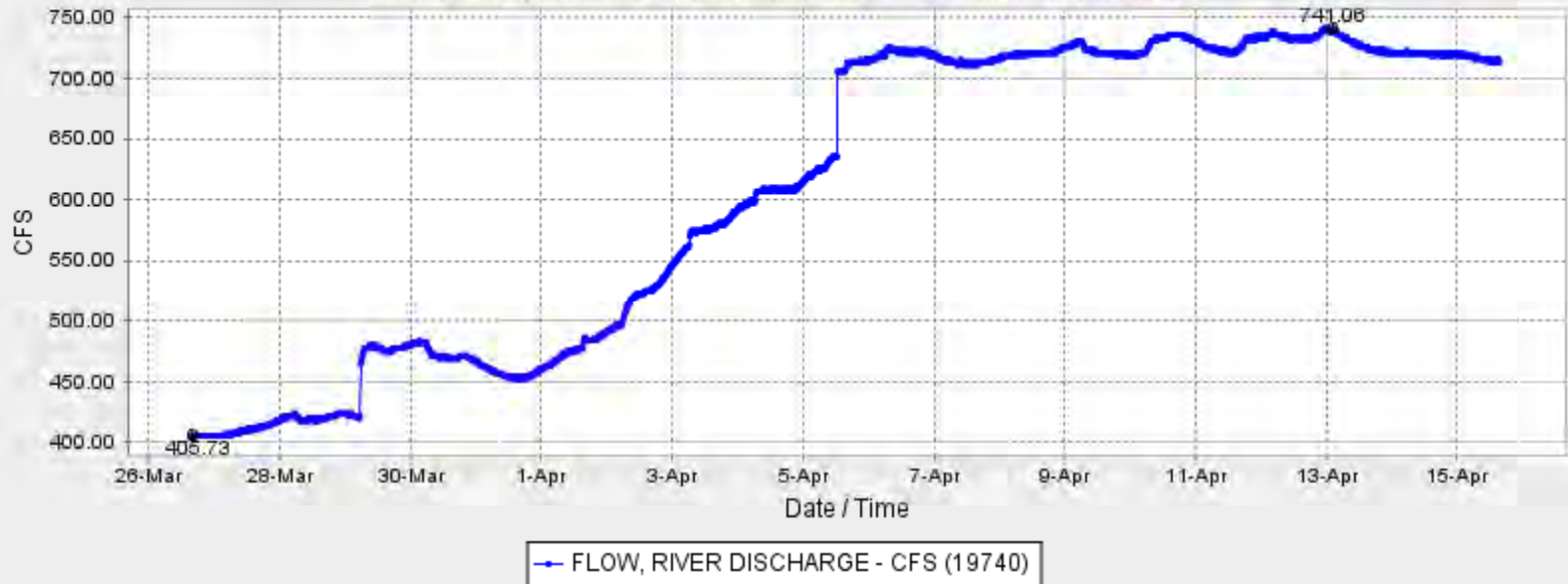


→ FLOW, RIVER DISCHARGE - CFS (7523)

SAN JOAQUIN R NR DOS PALOS (SDP)

Date from 03/26/2010 16:06 through 04/15/2010 16:06 Duration : 20 days

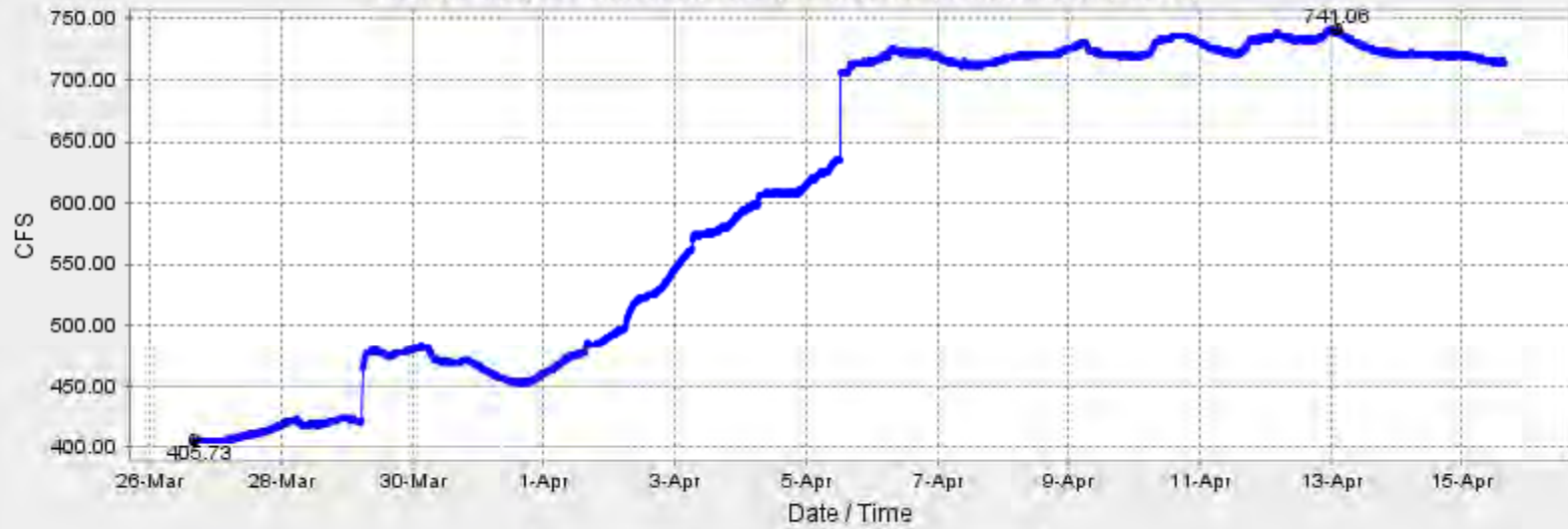
Max of period : (04/13/2010 02:15, 741.06) Min of period: (03/26/2010 16:15, 405.73)



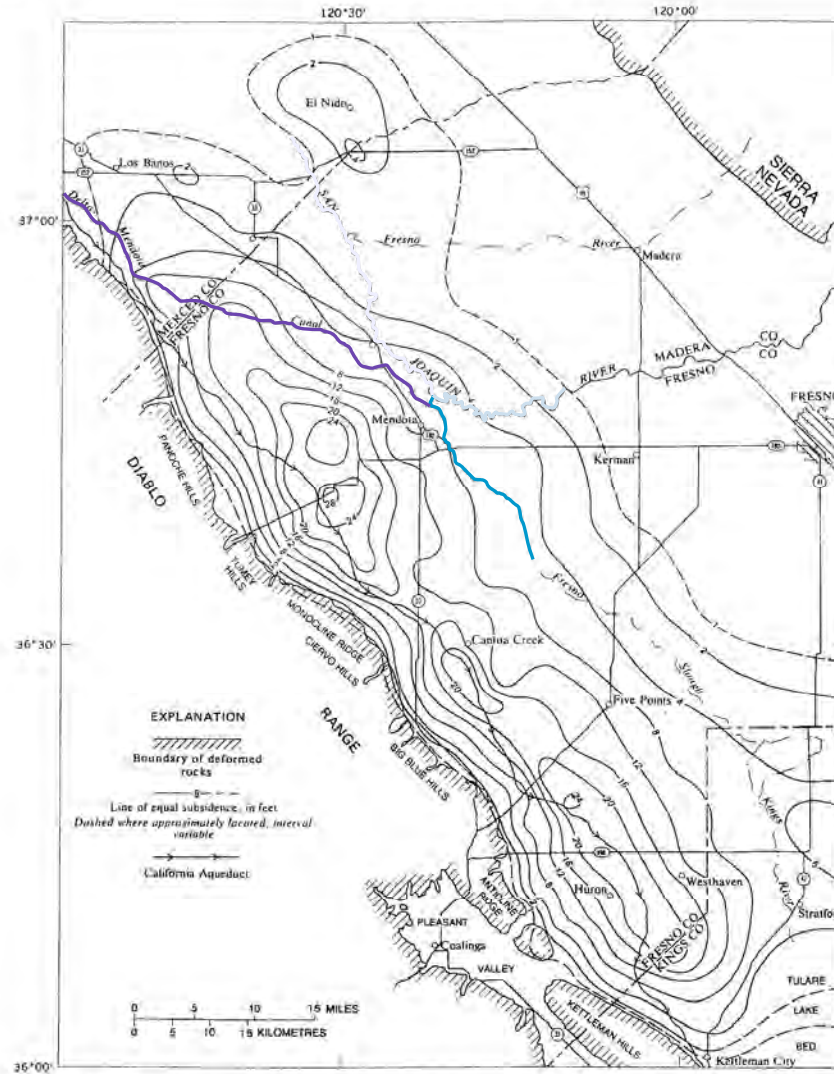
SAN JOAQUIN R NR DOS PALOS (SDP)

Date from 03/26/2010 16:06 through 04/15/2010 16:06 Duration : 20 days

Max of period : (04/13/2010 02:15, 741.06) Min of period : (03/26/2010 16:15, 405.73)



— FLOW, RIVER DISCHARGE - CFS (19740)



Base from U.S. Geological Survey Central Valley map, 1:250,000, 1955

FIGURE 17—Land subsidence, 1926-72, Los Banos-Kettleman City area. Compiled as sum of subsidence for 1926-69 (fig. 15) and for 1969-72 (fig. 16)

CONTACT INFORMATION:

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QUESTIONS?

ADDITIONAL INFORMATION

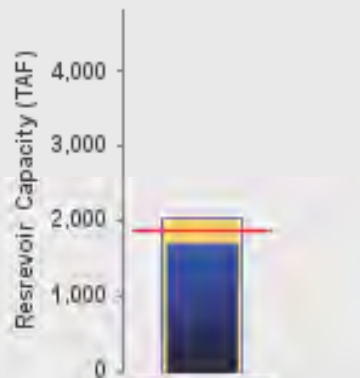


Reservoir Conditions - San Luis



San Luis Conditions

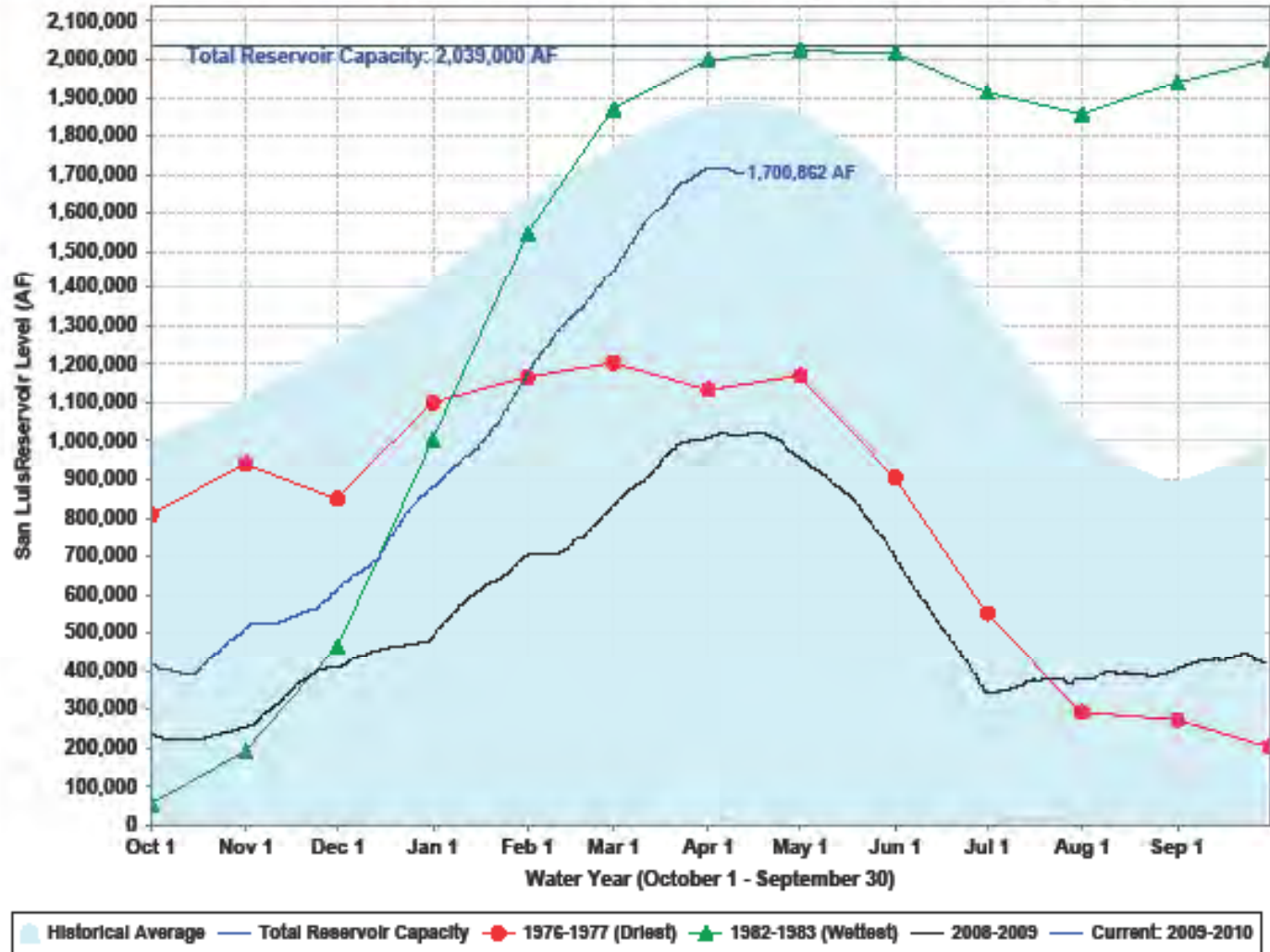
(as of Midnight - April 12, 2010)



Current Level: 1,700,862 AF

83% (Total Capacity) | 90% (Historical Avg.)

San Luis Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 12, 2010



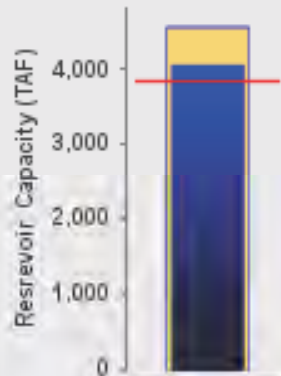


Reservoir Conditions - Shasta Reservoir



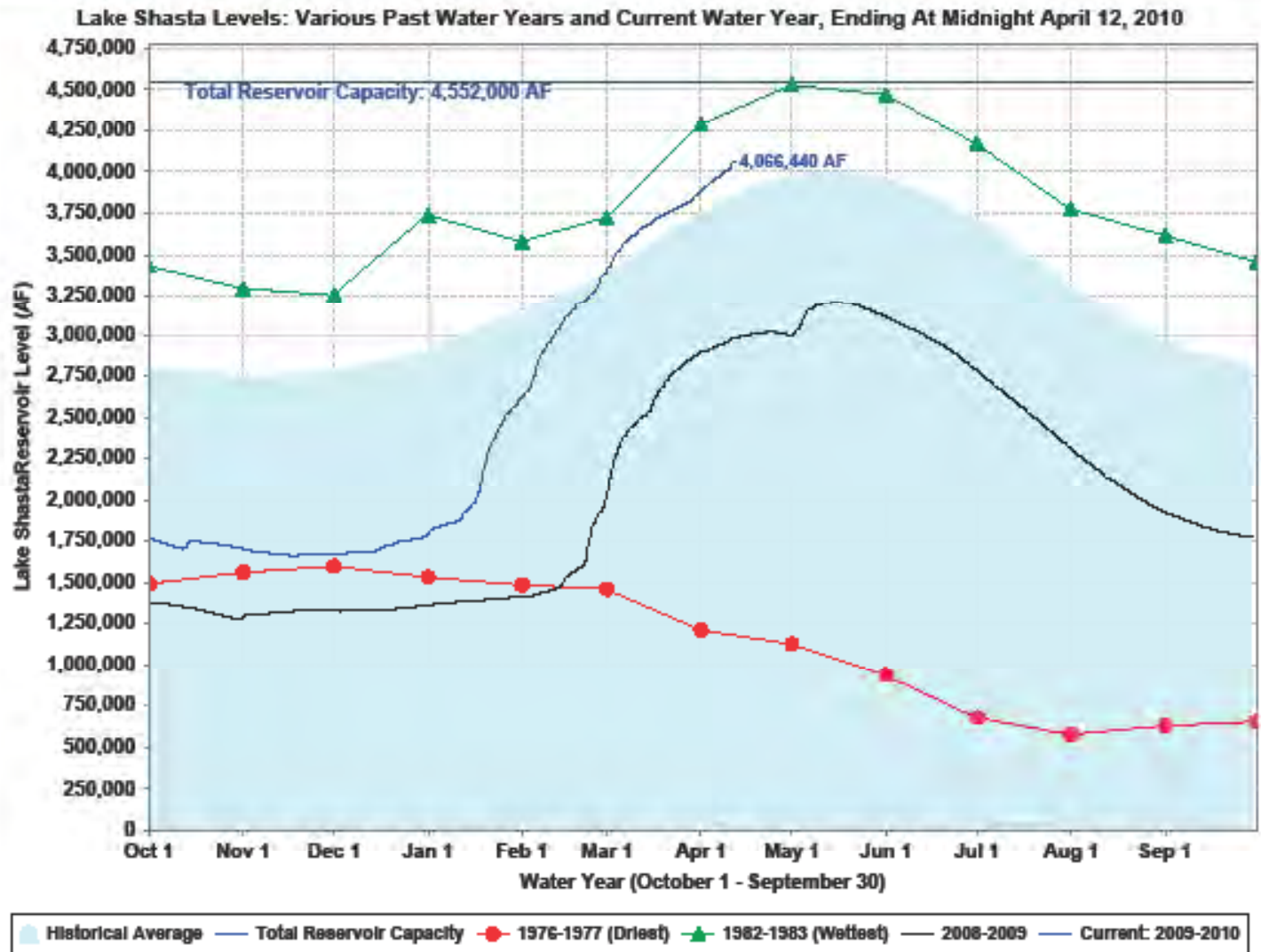
Lake Shasta Conditions

(as of Midnight - April 12, 2010)



Current Level: 4,066,440 AF

89% (Total Capacity) | 106% (Historical Avg.)



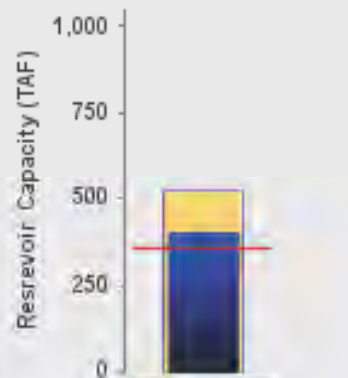


Reservoir Conditions - Millerton Lake



Millerton Lake Conditions

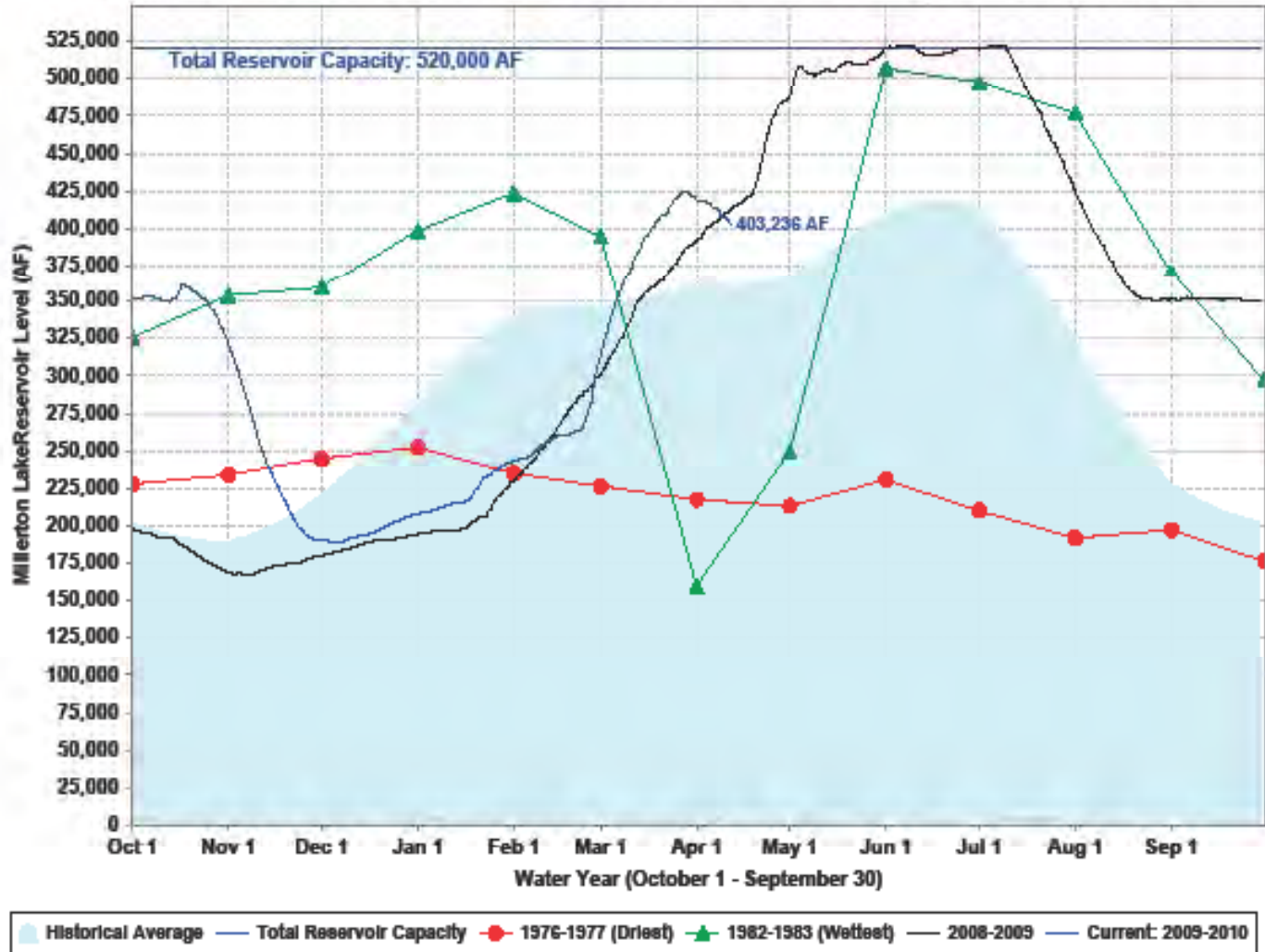
(as of Midnight - April 12, 2010)



Current Level: 403,236 AF

78% (Total Capacity) | 112% (Historical Avg.)

Millerton Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight April 12, 2010

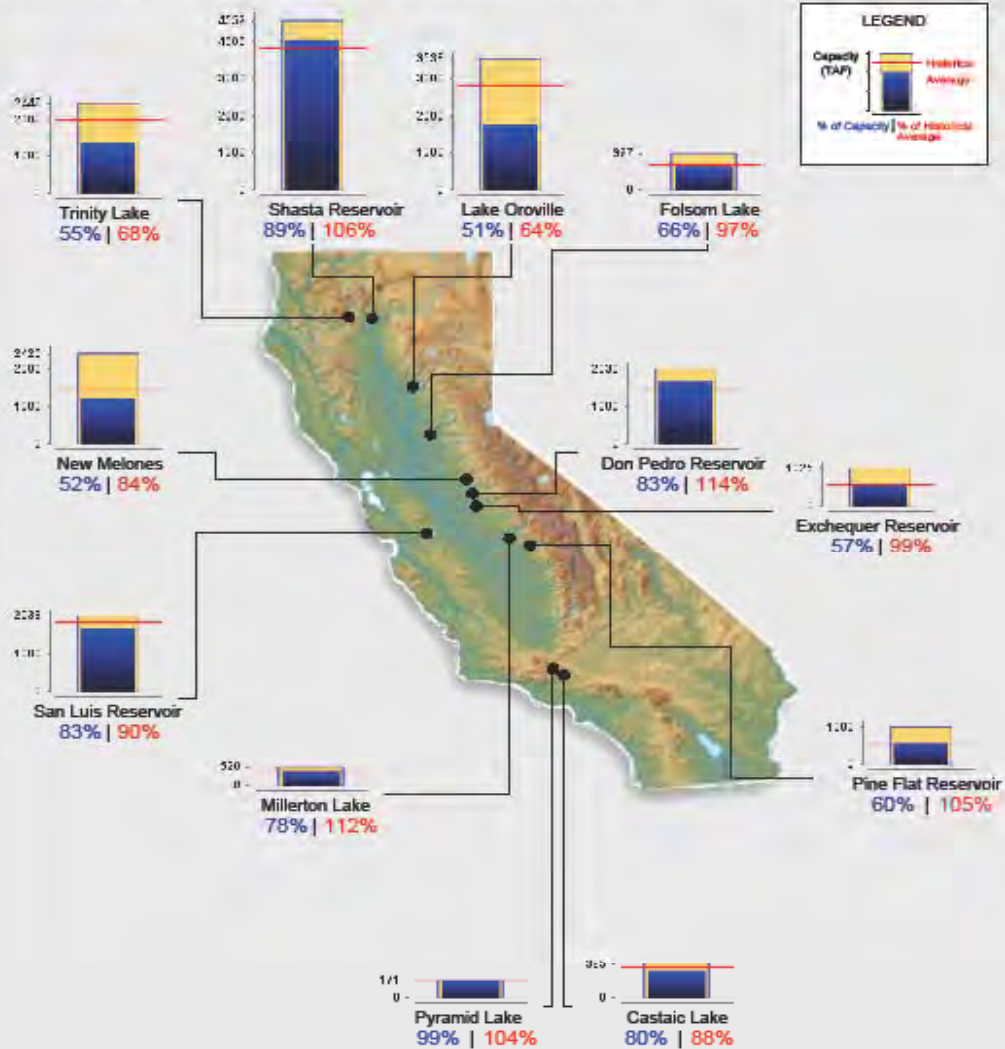




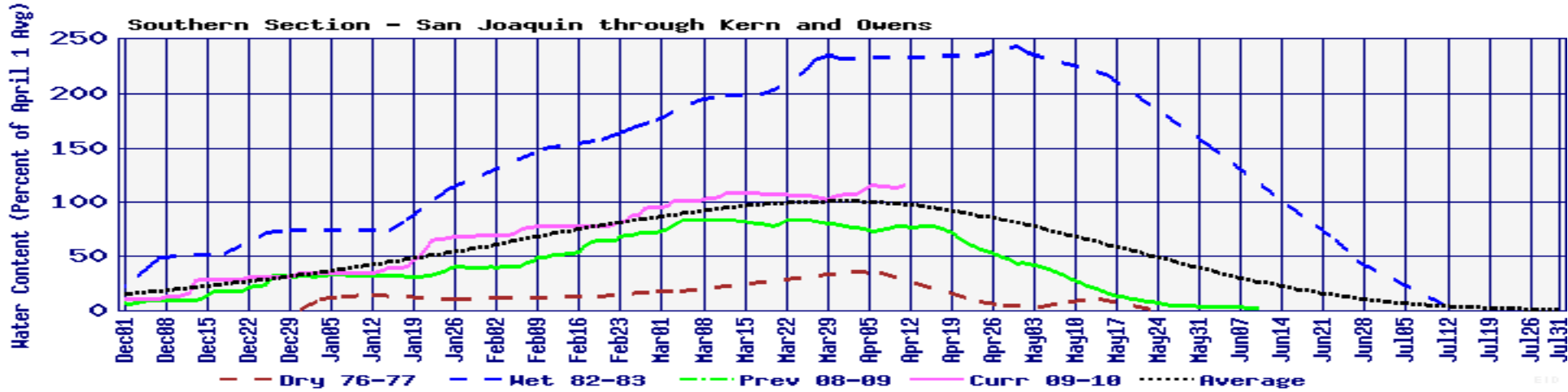
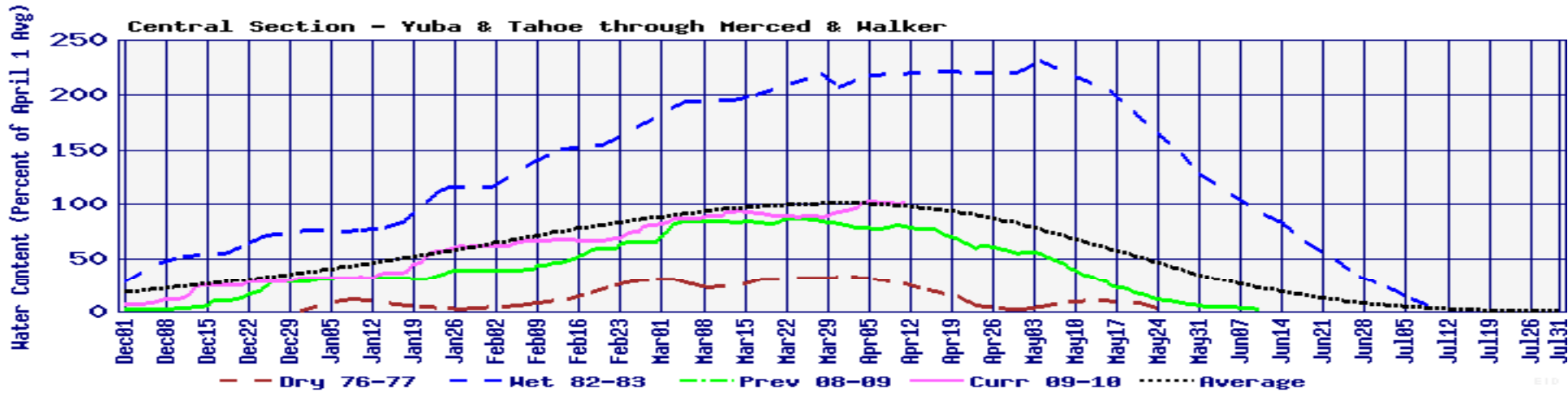
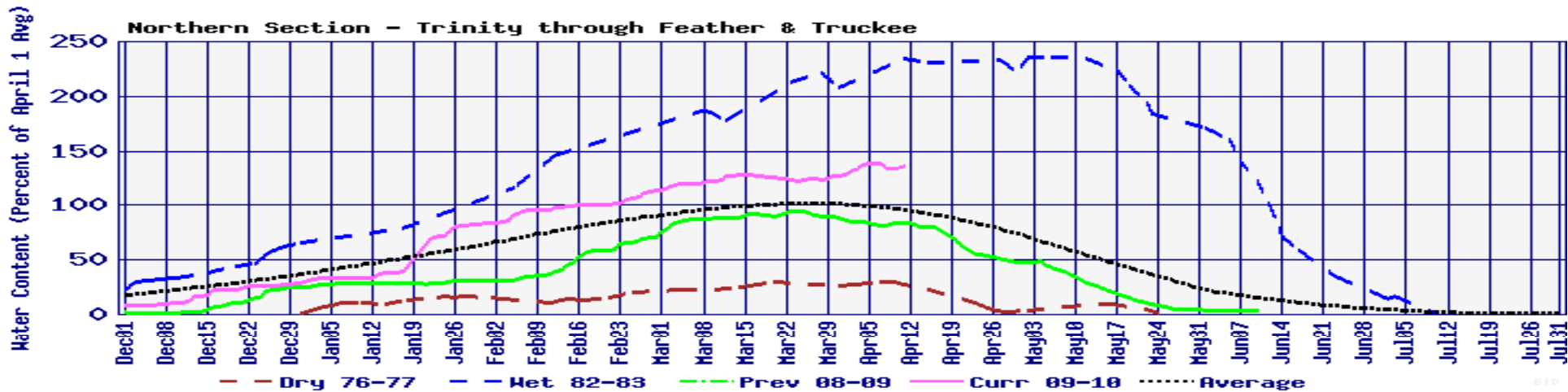
Reservoir Conditions

Ending At Midnight - April 12, 2010

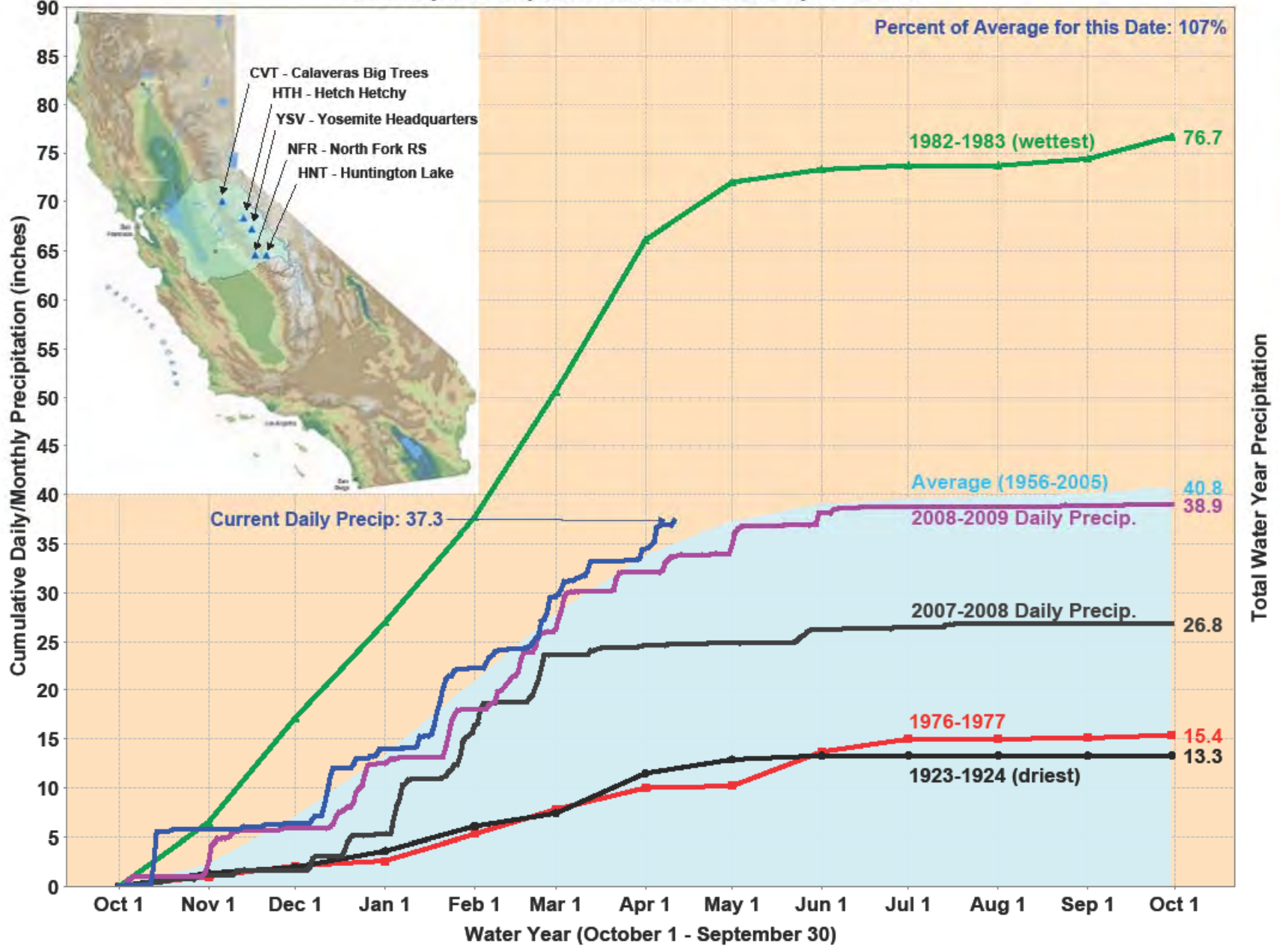
CURRENT RESERVOIR CONDITIONS



Graph Updated 04/13/2010 02:15 PM



San Joaquin Precipitation: 5-Station Index, April 11, 2010



Northern Sierra Precipitation: 8-Station Index, April 12, 2010

