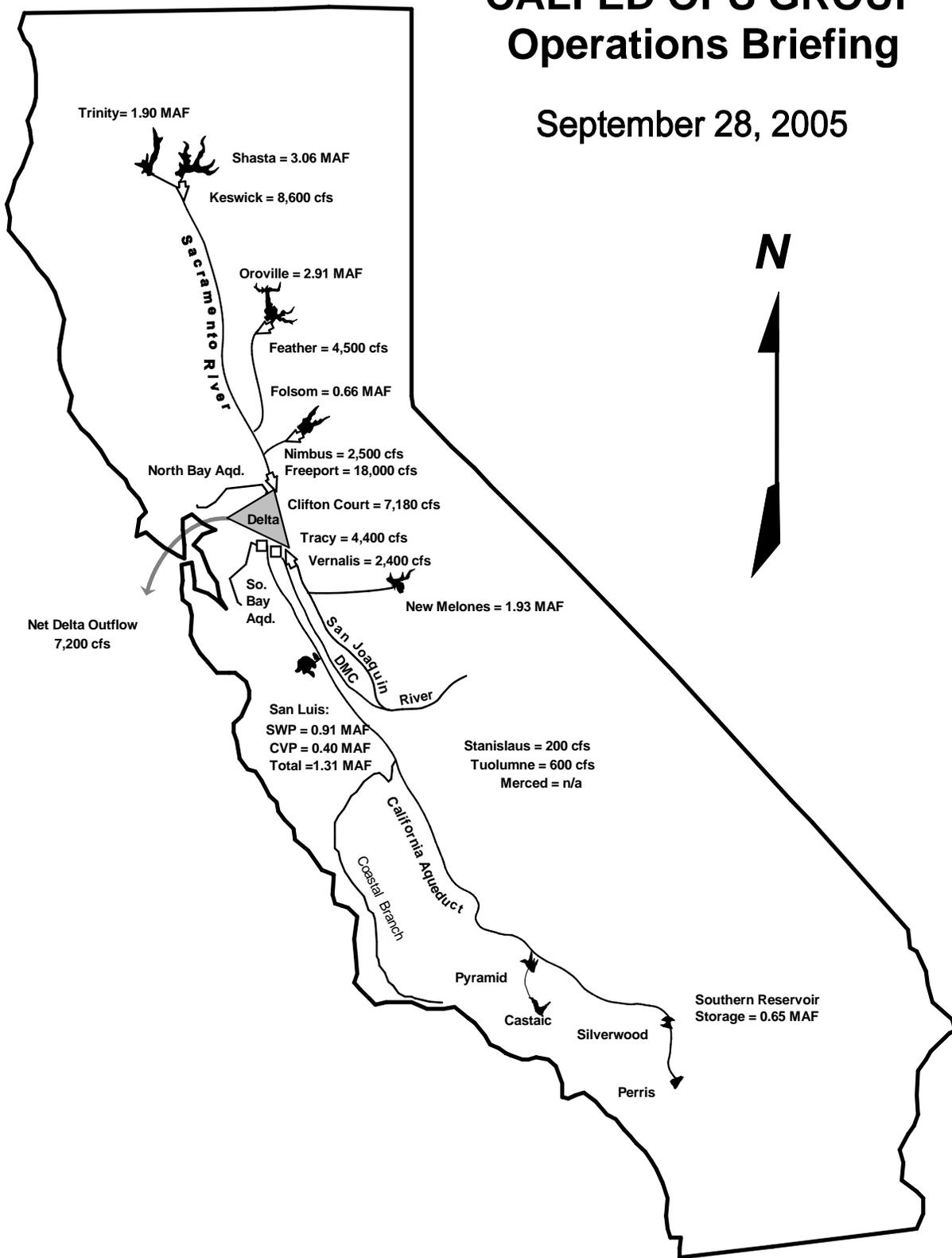


# CALFED OPS GROUP Operations Briefing

September 28, 2005



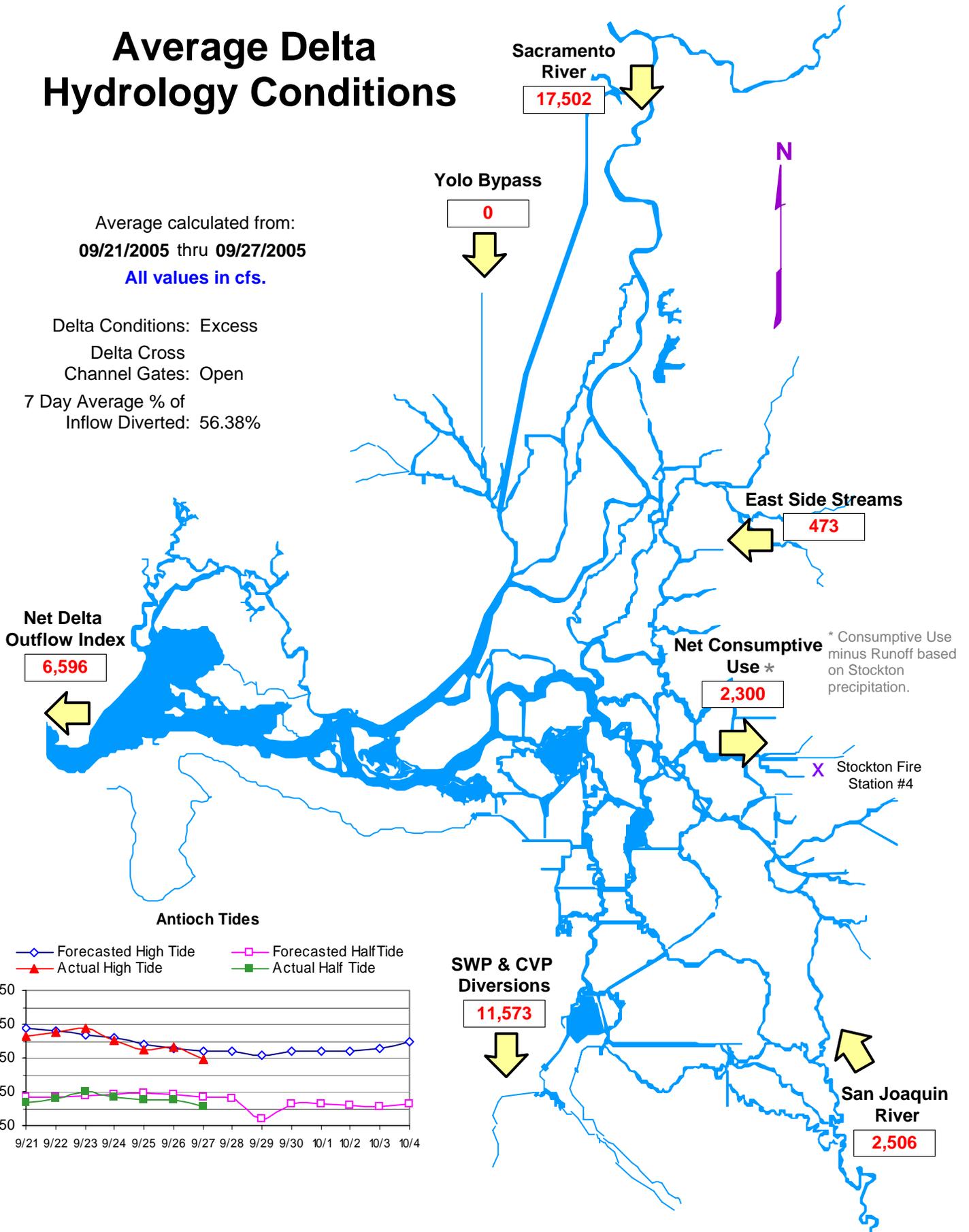
**CURRENT SWP/CVP OPERATIONAL STATUS**

**DATA AS OF  
September 28, 2005**

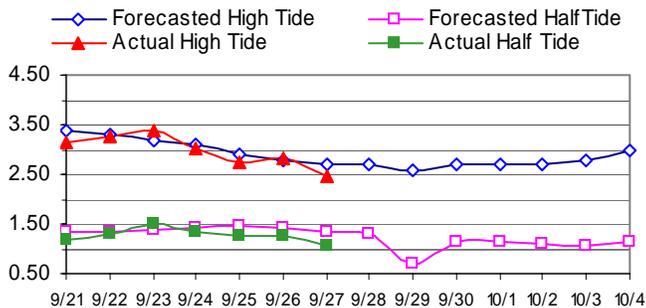
# Average Delta Hydrology Conditions

Average calculated from:  
**09/21/2005** thru **09/27/2005**  
 All values in cfs.

Delta Conditions: Excess  
 Delta Cross  
 Channel Gates: Open  
 7 Day Average % of  
 Inflow Diverted: 56.38%

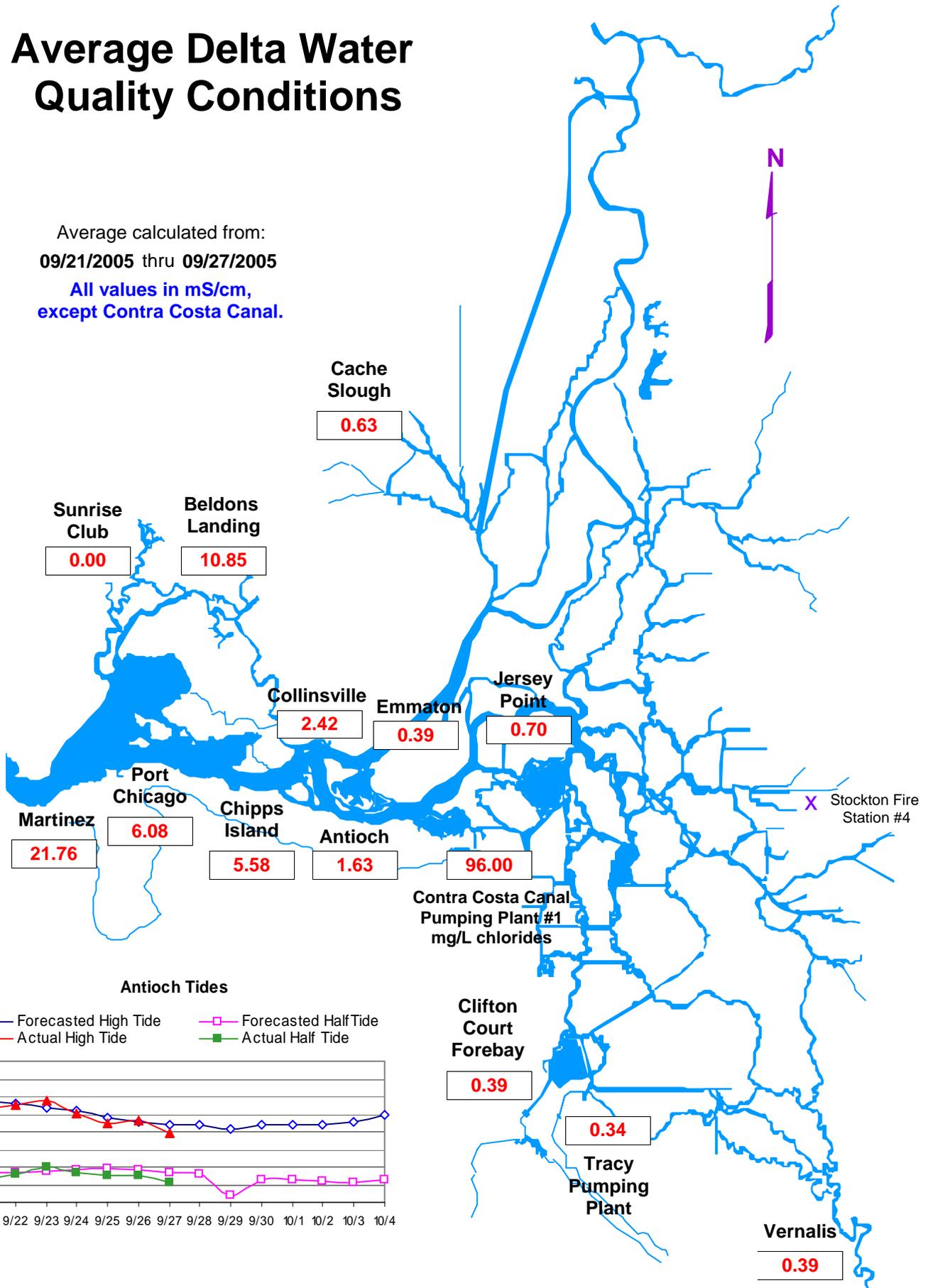


**Antioch Tides**

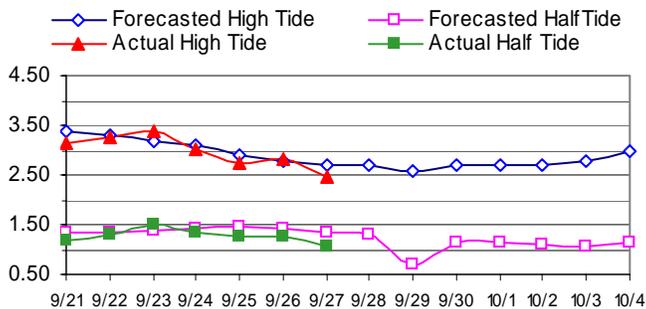


# Average Delta Water Quality Conditions

Average calculated from:  
**09/21/2005** thru **09/27/2005**  
 All values in **mS/cm**,  
 except **Contra Costa Canal**.



**Antioch Tides**



**DRAFT**

# Bay-Delta Standards

Contained in D-1641

**DRAFT**

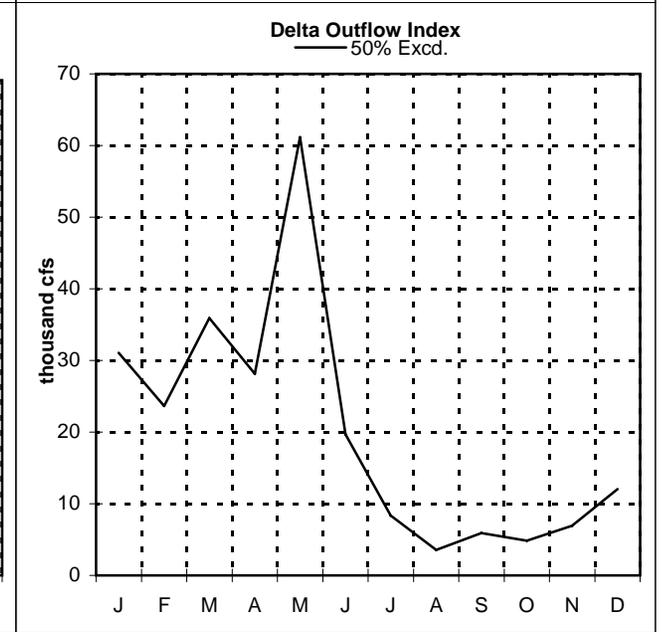
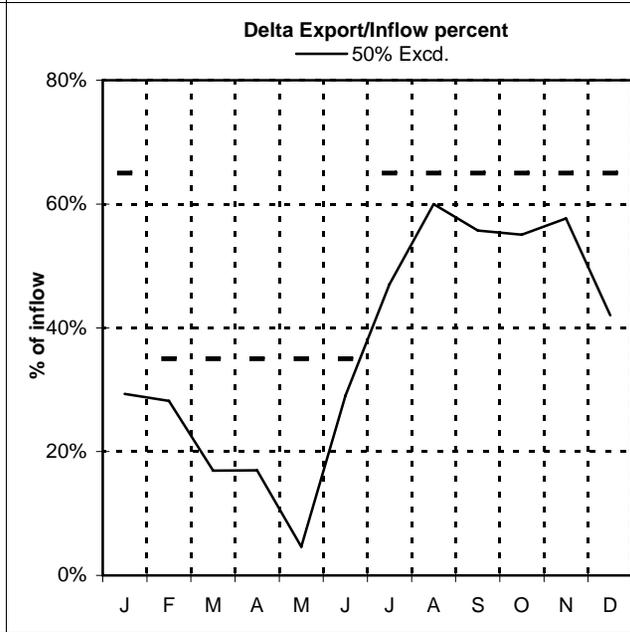
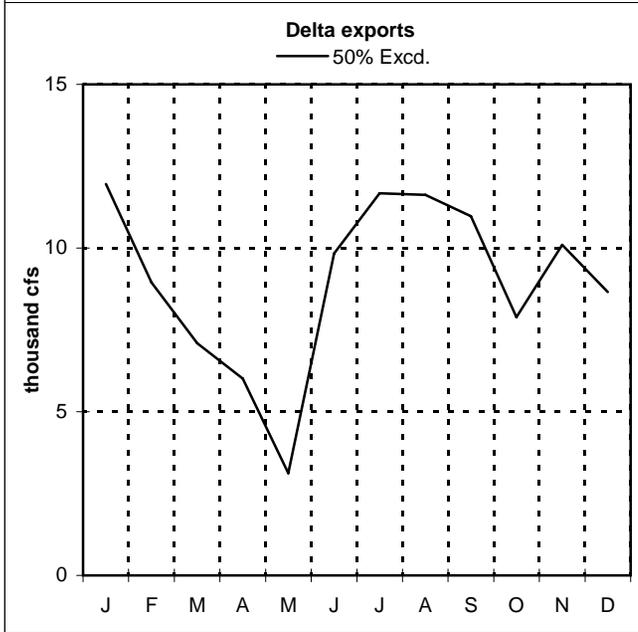
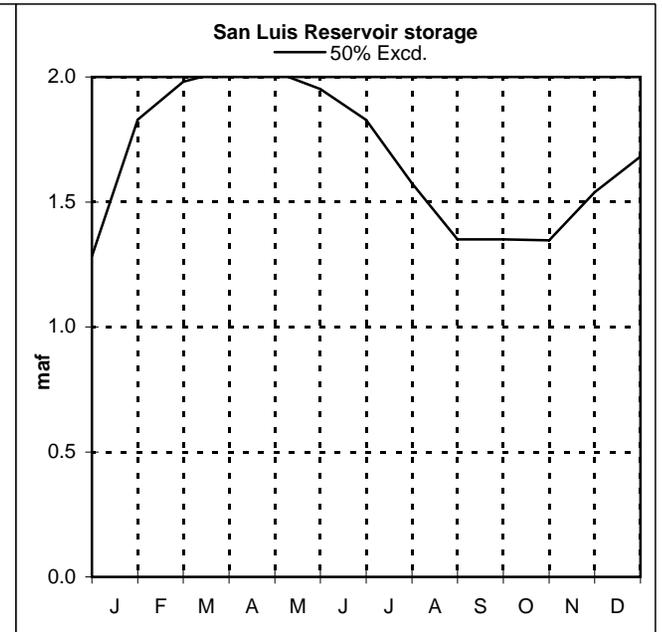
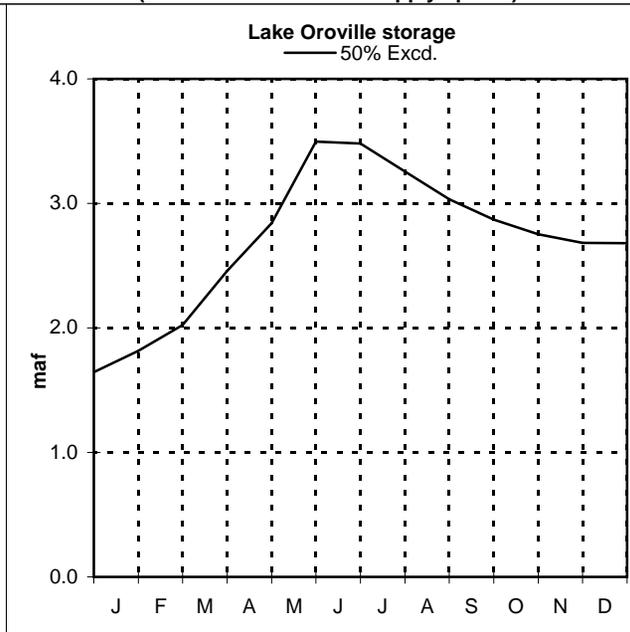
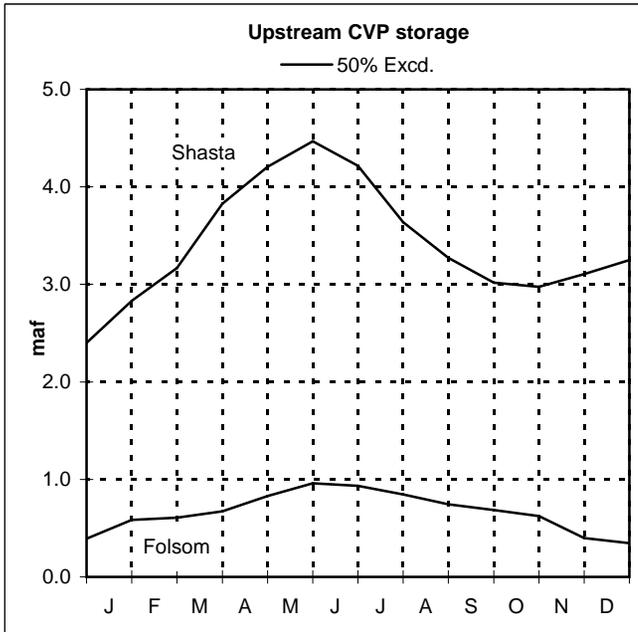
CRITERIA	Sep 05	Oct 05	Nov 05
<b>FLOW/OPERATIONAL</b>			
<ul style="list-style-type: none"> <li>• Fish and Wildlife</li> <li>    SWP/CVP Export Limits</li> <li>    Export/Inflow Ratio</li> <li>    Minimum Outflow - mon.</li> <li>        - 7 day avg.</li> <li>    Striped Bass Survival</li> <li>    Suisun Marsh</li> <li>    Habitat Protection Outflow, X2</li> <li>    River Flows:</li> <li>        @ Rio Vista - min. mon. avg.</li> <li>            - 7 day average</li> <li>        @ Vernalis: Base -min. mon. avg.</li> <li>            - 7 day average</li> <li>            Pulse</li> <li>    Delta Cross Channel Gates</li> </ul>			
	65%		
	3000 cfs	4000 cfs	4500 cfs
	2000 cfs	3000 cfs	3500 cfs
	3000 cfs	4000 cfs	4500 cfs
	2000 cfs	3000 cfs	3500 cfs
		*1000 cfs	
		* Up to an additional 28 TAF	Conditional

<b>WATER QUALITY STANDARDS</b>			
<ul style="list-style-type: none"> <li>• Municipal and Industrial</li> <li>    All Export Locations</li> <li>    Contra Costa Canal</li> </ul>		<= 250 mg/l Cl	
		<= 150 mg/L Cl for 175 days ( All days have been met )	
<ul style="list-style-type: none"> <li>• Agriculture</li> <li>    Southern Delta</li> </ul>		30-day running average EC <= 1.0 mS	
<ul style="list-style-type: none"> <li>• Fish and Wildlife</li> <li>    San Joaquin River Salinity</li> <li>    Suisun Marsh Salinity</li> </ul>		19 mS/cm	15.5 mS/cm for Eastern / 16.5 for Western Marsh stations

**Water Year Classification: (May 1 forecast)**  
 SRI (40-30-30 @ 50%) = 7.4 (Below Normal)  
 SJV (60-20-20 @75%) = 4.2 (Wet)

# SWP & CVP CY 2005 Forecasted Operations

(based on 6-1-05 water supply update)



Flows are monthly averages.

O&M; cfpl090105.xls

PRELIMINARY DATA - SUBJECT TO REVISION

9/28/2005 10:09 AM

WY 2004/2005 EWA Accounting Summary  
 Based upon September Operations Study - 90% Exceedance Hydrology  
**Assumptions:** SWP Allocation - 90%; SOD Purchases - 148.5 TAF  
**(Pre-VAMP shoulder started on 4/17/05; VAMP started on 5/1/05)**

		EWA NOD and SOD Assets ((+ = Purchases) and (- = Releases))														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>1</b>																
<b>TOTAL WY 2004/2005 NOD<sup>9</sup></b>																
NOD (Oroville)				6.2 <sup>5</sup>			62.0 <sup>11</sup>		-6.2 <sup>5</sup>							62.0
NOD (non-Oroville)		18.7 <sup>4</sup>														0.0
YCWA <sup>3 &amp; 11</sup>	0.9 <sup>3</sup>	-0.9 <sup>3</sup>					62.0 <sup>11</sup>					-62.0 <sup>11</sup>				0.0
PCWA (released into Folsom)	7.9 <sup>4</sup>	7.9 <sup>4</sup>	2.9 <sup>4</sup>													18.7
Instream Uses/Non-Capturable Water					-15.4 <sup>12</sup>	-3.3 <sup>12</sup>										-18.7
SFWP <sup>5</sup>				6.2 <sup>5</sup>					-6.2 <sup>5</sup>							0.0
MID <sup>12</sup>																0.0
<b>TOTAL WY 2004/2005 SOD<sup>9</sup></b>																
SOD (KCWA) <sup>13 &amp; 14</sup>									38.5 <sup>13 15</sup>		110.0 <sup>14 16</sup>					148.5
SOD (SCVWD) <sup>15</sup>									-29.7 <sup>13</sup>		-30.0 <sup>14</sup>	-30.0 <sup>14</sup>				-89.7
SOD (MWD) <sup>16</sup>											-2.9 <sup>15</sup>	-2.9 <sup>15</sup>	-2.9 <sup>15</sup>	-2.9 <sup>15</sup>		-8.8
											-20.0 <sup>16</sup>	-20.0 <sup>16</sup>	-10.0 <sup>16</sup>			-50.0

		EWA Asset Acquisition in SWP San Luis <sup>1</sup>														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>2</b>																
E/I Relaxation																0.0
EWA share of SWP gain			0.29													0.3
Project Pumping to reduce EWA debt					34.5					29.6	28.5	28.7				121.3
JPOD using excess flows																0.0
JPOD using NOD storage																0.0
Xfer NOD - Sacramento River <sup>2</sup>		0.9 <sup>3</sup>														0.9
Xfer NOD - San Joaquin River <sup>2</sup>																0.0
SOD SWP Surface/GW Purchases									29.7 <sup>13</sup>		50.0 <sup>14 &amp; 16</sup>	52.9 <sup>14-16</sup>	12.9 <sup>15 16</sup>	2.9 <sup>15</sup>		148.5
Exchange of EWA assets																0.0
Groundwater pumping SOD																0.0
Exchange from CVP to SWP in SL																0.0
<b>Total Monthly EWA Assets</b>	<b>0.9</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>34.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.7</b>	<b>29.6</b>	<b>78.5</b>	<b>81.6</b>	<b>12.9</b>	<b>2.9</b>	<b>0.0</b>	<b>271.0</b>

		EWA Asset Acquisition in CVP San Luis <sup>1</sup>														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>3</b>																
E/I Relaxation																0.0
Project Pumping to reduce EWA debt						28.6										28.6
JPOD using excess flows																0.0
JPOD using NOD storage																0.0
Xfer NOD - Sacramento River <sup>2</sup>		0.9 <sup>3</sup>														0.9
Xfer NOD - San Joaquin River <sup>2</sup>																0.0
SOD CVP Surface/GW purchases																0.0
Exchange of EWA assets																0.0
Groundwater pumping																0.0
Exchange from SWP to CVP in SL																0.0
<b>Total Monthly EWA Assets</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>28.6</b>	<b>0.0</b>	<b>28.6</b>								

		EWA Expenditures at the Export Pumps														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>4</b>																
SWP export cuts			-4.2 <sup>5</sup>		-32.8 <sup>7</sup>		-121.9 <sup>8</sup>	-134.0 <sup>8</sup>	-34.7 <sup>8</sup>							-327.6
CVP export cuts					-11.4 <sup>7</sup>		0.0 <sup>9</sup>	0.0 <sup>9</sup>								-11.4
<b>Total Expenditures</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-4.2</b>	<b>0.0</b>	<b>-44.2</b>	<b>0.0</b>	<b>-121.9</b>	<b>-134.0</b>	<b>-34.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-339.0</b>

		EWA End-of-Month Incremental Storage Changes														Total	
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
<b>5</b>																	
SWP in SL (without Source Shift)	1.4	0.9	0.3	-4.2	0.0	1.6	0.0	-121.9	-134.0	-5.0	29.6	78.5	81.6	12.9	2.9	0.0	-55.2
CVP in SL	-17.2	0.0	0.0	0.0	-11.4	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOD Storage	0.9	17.8	0.0	6.2	-15.4	-3.3	0.0	62.0	0.0	-6.2	0.0	-62.0	0.0	0.0	0.0	0.0	0.0
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	60.0	-52.9	-12.9	-2.9	0.0	0.0	0.0
<b>Total Incremental Storage Changes</b>	<b>-14.9</b>	<b>18.7</b>	<b>0.3</b>	<b>2.0</b>	<b>-15.4</b>	<b>-13.1</b>	<b>28.6</b>	<b>-59.9</b>	<b>-134.0</b>	<b>-2.3</b>	<b>29.6</b>	<b>138.5</b>	<b>-33.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-55.2</b>

		EWA Cumulative End-of-Month Storage Balance at Various Sites														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>6</b>																
SWP in SL (without Source Shift)	1.4	2.2	2.5	-1.6	-1.6	0.0	0.0	-121.9	-255.9	-260.8	-231.2	-152.7	-71.1	-58.1	-55.2	-55.2
CVP in SL (without Source Shift)	-17.2	-17.2	-17.2	-17.2	-28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOD Storage	0.9	18.7	18.7	24.9	9.5	6.2	6.2	68.2	62.0	62.0	62.0	0.0	0.0	0.0	0.0	0.0
SOD Storage (non-S.L.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.8	68.8	15.9	2.9	0.0	0.0	0.0
<b>EWA Asset Balance</b>	<b>-14.9</b>	<b>3.8</b>	<b>4.1</b>	<b>6.1</b>	<b>-9.3</b>	<b>-22.4</b>	<b>6.2</b>	<b>-53.7</b>	<b>-187.7</b>	<b>-190.0</b>	<b>-160.4</b>	<b>-21.9</b>	<b>-55.2</b>	<b>-55.2</b>	<b>-55.2</b>	<b>-55.2</b>

		San Luis Reservoir End-of-Month Storage Conditions														Total
C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<b>7</b>																
Total Storage (base case) <sup>10</sup>	803	1072	1301	1829	1997	2030	2020	1952	1827	1575	1350	1385	1305	1373	1475	
SWP	520	601	674	1015	1100	1063	1055	1057	1026	1005	972	1000	928	894	854	
CVP	283	471	628	814	897	966	965	895	802	570	378	385	377	479	621	
Encroachment																
Total Storage (EWA case)	788	1058	1283	1810	1968	2030	1898	1898	1567	1343	1197	1314	1247	1318	1420	
MWD Source Shifting																
<b>Storage (with MWD source shifting)</b>	<b>788</b>	<b>1058</b>	<b>1283</b>	<b>1810</b>	<b>1968</b>	<b>2030</b>	<b>1898</b>	<b>1898</b>	<b>1567</b>	<b>1343</b>	<b>1197</b>	<b>1314</b>	<b>1247</b>	<b>1318</b>	<b>1420</b>	

<sup>2</sup> 2005 NOD Purchases = 0. DWR on behalf of EWA entered into an agreement with SFWP for 6.2 TAF. However, this water spilled out of Lake Oroville in June.  
 DWR on behalf of EWA entered into an agreement with YCWA for 62 TAF. However, with the Delta in excess condition, this water may not be able to be transferred.  
 2005 SOD Exchange/Purchase = 50(MWD) + 60(KCWA). Prop 204 = 29.7(KCWA) + 8.8(SCVWD).  
<sup>1</sup> Aqueduct conveyance and evaporation losses are not included.  
<sup>2</sup> Carriage water loss applies to water transfers from the Sacramento River (assumed to be 20% until modeling results indicate otherwise);  
 a 10% conveyance loss applies to water transfers from the San Joaquin River.  
**Carriage water loss in WY 2004 was 0%.**  
<sup>3</sup> 2004 YCWA Transfer (Joint place of use)      <sup>4</sup> 2004 PCWA Transfer (Joint place of use)  
<sup>5</sup> 2005 SFWP Transfer (Joint place of use). This water later spilled out of Lake Oroville in June.  
<sup>6</sup> About 4.2 TAF was expended for the Delta Action 8 experiment which occurred between 12/6/04 - 12/15/04.  
<sup>7</sup> A total of 58.2 TAF was expended for the export curtailment which occurred between 2/205 - 2/7/05. The CVP's cost for the action was 25.4 TAF; B2 covered 14 TAF.  
<sup>8</sup> The SWP's cost for VAMP is about 134 TAF. The cost for a Pre-VAMP Shoulder is about 122 TAF.  
<sup>9</sup> The CVP's costs for the pre-VAMP shoulder and VAMP were covered by B2.  
<sup>10</sup> Based upon the 9/2005 DWR's 90% (90% Fall) allocation study.  
<sup>11</sup> 2005 YCWA Transfer (Joint place of use). Delta in excess - may not be able to move water. Monies will be applied toward the 2006 purchase.  
<sup>12</sup> The CVP spilled ~ 3.3 TAF of EWA water stored in Folsom during flood control operations.  
<sup>13</sup> 2005 Prop 204 SOD Transfer (SWP place of use)      <sup>14</sup> 2005 KCWA Purchases (SWP place of use)  
<sup>15</sup> 2005 Prop 204 SOD Transfer (SWP place of use) - SCVWD  
<sup>16</sup> 2005 MWD Exchange (SWP place of use) DWR on behalf of EWA owes MWD 50 TAF in a dry year when SWP allocations are 60% or less and MWD requests return.