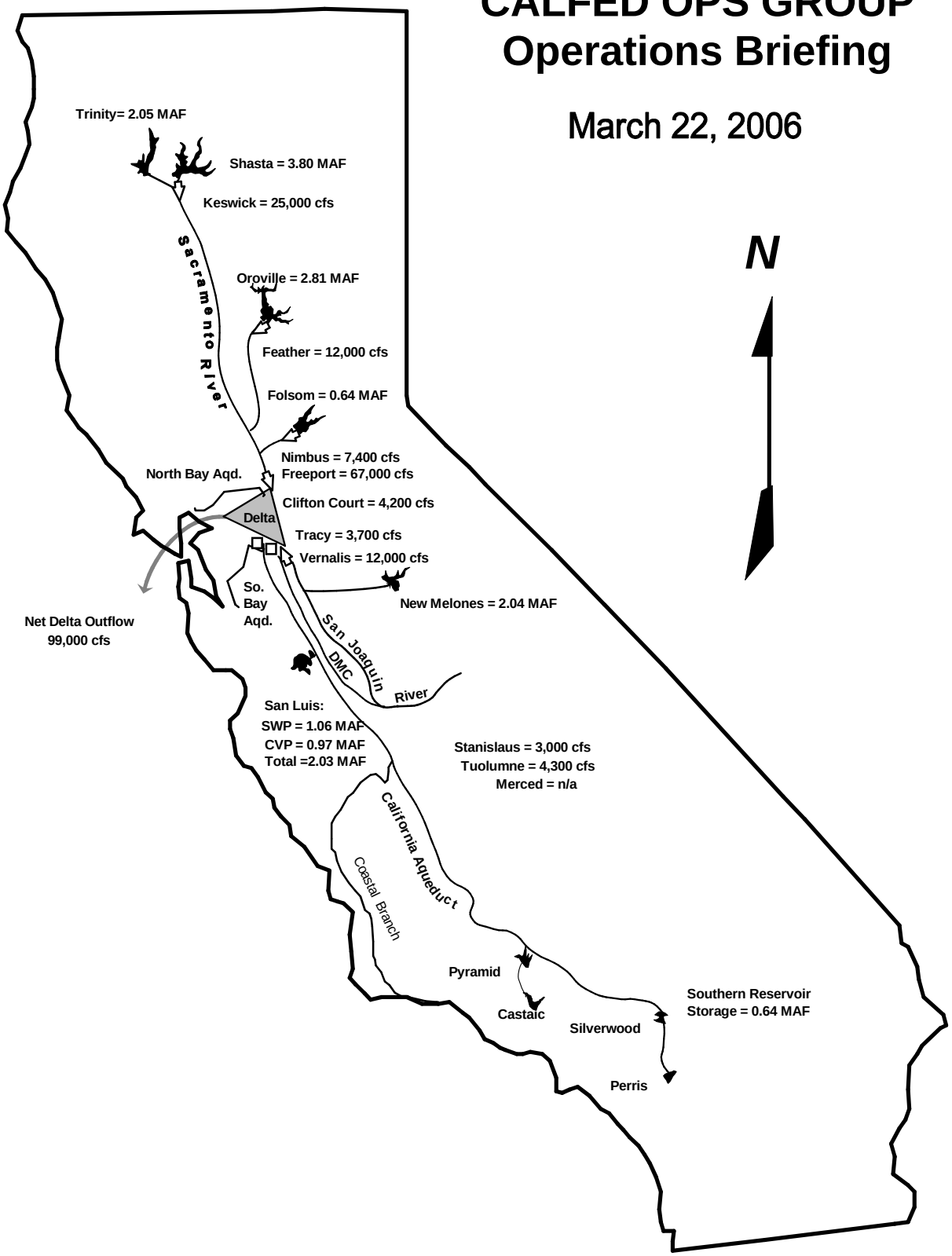
CALFED OPS GROUP
Operations Briefing

March 22, 2006



CURRENT SWP/CVP OPERATIONAL STATUS

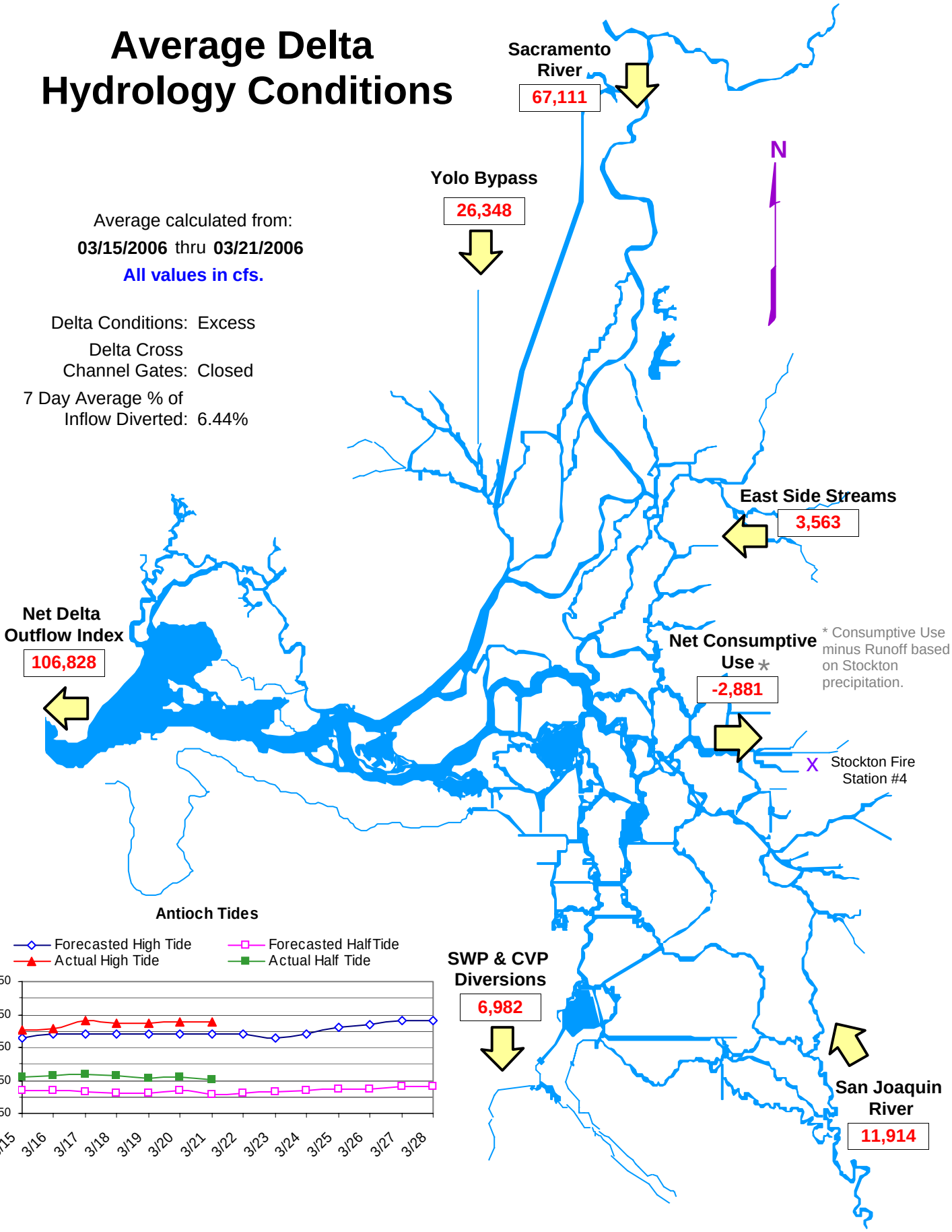
DATA AS OF
March 22, 2006

O&M, OSC

Average Delta Hydrology Conditions

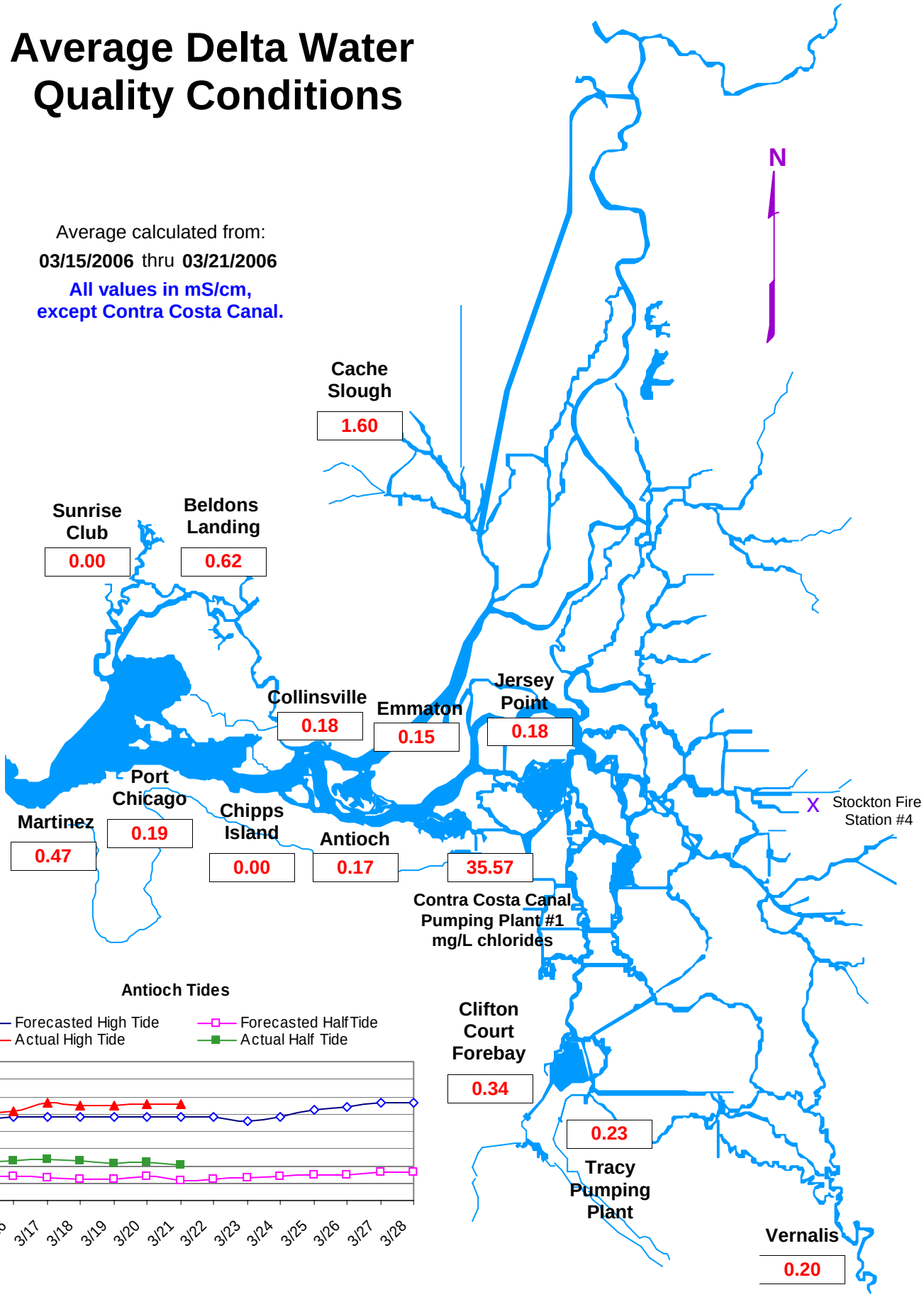
Average calculated from:
03/15/2006 thru **03/21/2006**
All values in cfs.

Delta Conditions: Excess
Delta Cross Channel Gates: Closed
7 Day Average % of Inflow Diverted: 6.44%



Average Delta Water Quality Conditions

Average calculated from:
03/15/2006 thru **03/21/2006**
All values in mS/cm, except Contra Costa Canal.



DRAFT

Bay-Delta Standards

Contained in D-1641

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CRITERIA	Mar 2006	Apr 2006	May 2006
FLOW/OPERATIONAL			
• Fish and Wildlife			
SWP/CVP Export Limits		Greater of 1,500 cfs or 100% of 3-day avg. Vernalis flow	
Export/Inflow Ratio		35 % of Delta Inflow	
Minimum Outflow - mon.			
- 7 day avg.			
Habitat Protection Outflow, X2			7,100 - 29,200 cfs or X2 days
River Flows:	Port Chicago for 25 days, 21 Days met Chipps Island for 31 days, 21 Days met	Port Chicago for ~ 5- 16 days if triggered. Chipps Island for ~30 days depening on April 8RI	
@ Rio Vista - min. mon. avg.			
- 7 day average			
@ Vernalis: Base -min. mon. avg.	3420 cfs	3420 cfs	3420 cfs
- 7 day average	2736 cfs	2736 cfs	2736 cfs
Pulse objective		7020 cfs	gates may close
Delta Cross Channel Gates		Closed	14 days per Op's Group
WATER QUALITY STANDARDS			
• Municipal and Industrial			
All Export Locations		Cl <= 250 mg/l	
Contra Costa Canal		Cl <= 150 mg/l for 240 days for WET Water Year Type	
• Agriculture			
Western/Interior Delta		Max. 14-day average EC mmhos/cm: 0.45 mS/cm for Below Normal year	
Southern Delta	30 day running avg. EC <= 1.0 mS/cm	30 day running avg. EC <= 0.7 mS/cm	30 day running avg. EC <= 0.7 mS/cm
• Fish and Wildlife			
San Joaquin River Salinity		14-day avg; 0.44 EC	
Suisun Marsh Salinity	8.0 mhtEC	11.0 mhtEC	

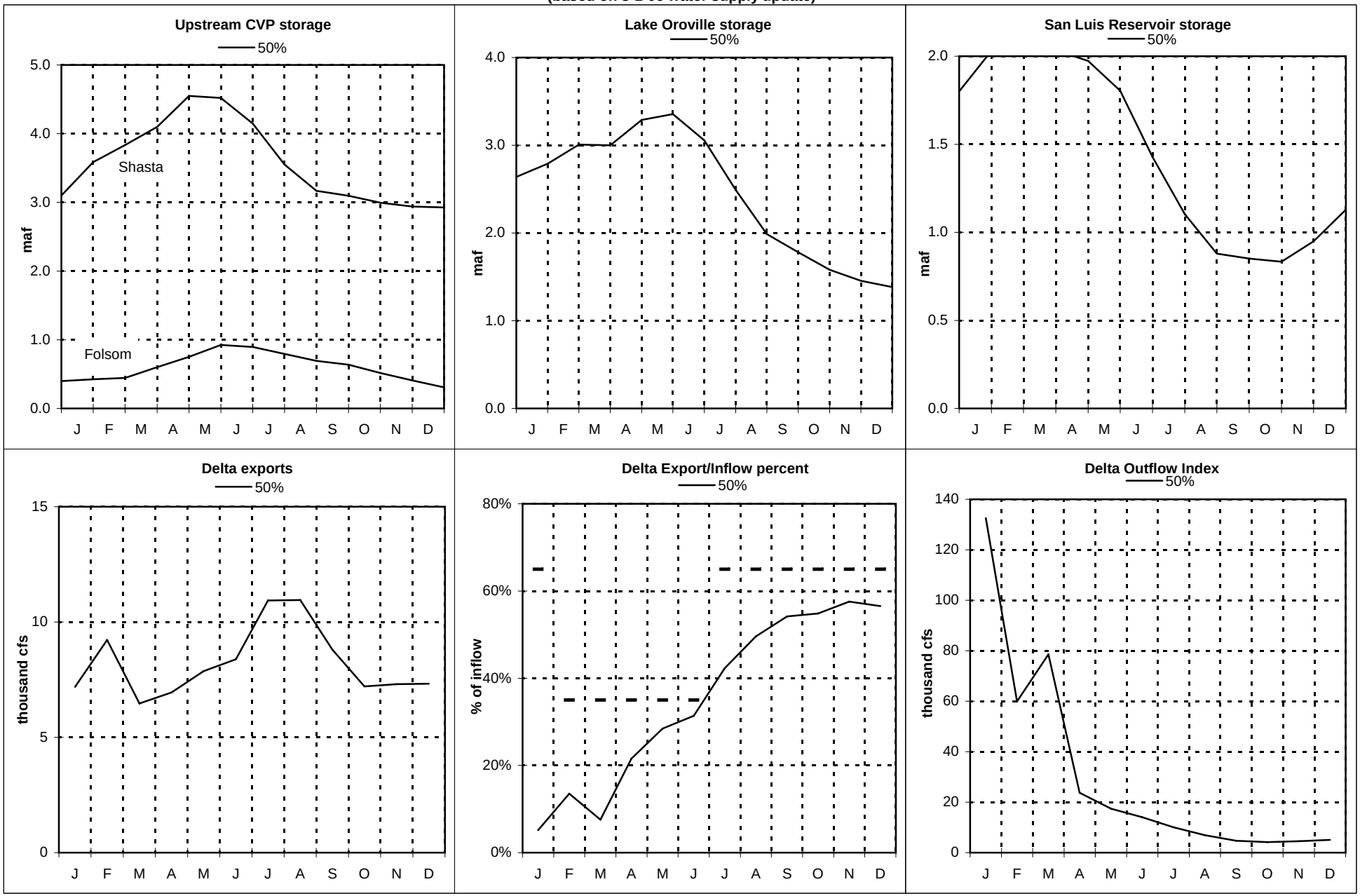
Water Year Classification: WET (Based on forecast, 3/1/2006)

SRI (40-30-30 @ 50%) = 9.8 MAF (WET)

SJV (60-20-20 @75%) = 3.5 MAF

SWP & CVP CY 2006 Forecasted Operations

(based on 3-1-06 water supply update)



Flows are monthly averages.

2005/2006 EWA Accounting Summary (Based on 90% Hydrology)

			As of 3/22/06	Total	End of WY '06	Total
Expenditures	SWP		0.0	0.0	263.0	263.0
	CVP		0.0		0.0	
Acquisitions @ O'Neill	Fixed	NOD**	0.0	0.0	100.0	190.0
		SOD	0.0		90.0	
	Variable	Ops	0.0		0.0	
Assets in Storages (non SL)			0.0	0.0	0.0	0.0
S. L. Balance	SWP		0.0	0.0	-73.0	-73.0
	CVP		0.0		0.0	

Legends:

Projected Value

Actual Value

TABLE 1: Delivered EWA NOD and SOD Assets (- = Releases)

		commit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
NOD Upstream Storage															0.0				0.0
SFWP (above Oroville) [1]	*SWPAO # ?*														0.0				0.0
PCWA (above Folsom) [2]	*SWPAO # ?*														0.0				0.0
NOD Release to Delta															0.0				0.0
YCWA [3]	*SWPAO # ('06 Pilot)*														0.0				0.0
YCWA [3]	*SWPAO # ('05 Agreement)*														0.0				0.0
MID [4]															0.0				0.0
SOD Storage															0.0				0.0
SCVWD [5]	*SWPAO # ?*														0.0				0.0
SCVWD [5]	*SWPAO # ?*														0.0				0.0
KCWD [6]	*SWPAO # ?*														0.0				0.0
KCWD [6]	*SWPAO # ?*														0.0				0.0
MWD [7]	*SWPAO # ?*														0.0				0.0

TABLE 2: EWA Asset Acquisition in SWP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													0.0				0.0
EWA share of SWP gain from B2 releases													0.0				0.0
Project Pumping to reduce EWA debt			54.0										54.0				0.0
JPOD using excess flows													0.0				0.0
JPOD using NOD storage													0.0				0.0
Xfer NOD - SacR (20% Carriage Loss) **										20.0	20.0	60.0	100.0				100.0
Xfer NOD - SJR (0% Conveyance Loss) **													0.0				0.0
SOD SWP Surface/GW Purchases									30.0	30.0	30.0		90.0				90.0
Exchange of EWA assets													0.0				0.0
Groundwater pumping SOD													0.0				0.0
Exchange from CVP to SWP in SL													0.0				0.0
Total Monthly EWA Assets	**0.0**	**0.0**	**54.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**30.0**	**50.0**	**50.0**	**60.0**	**244.0**	**0.0**	**0.0**	**0.0**	**190.0**

TABLE 3: EWA Asset Acquisition in CVP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													0.0				0.0
Project Pumping to reduce EWA debt													0.0				0.0
JPOD using excess flows													0.0				0.0
JPOD using NOD storage													0.0				0.0
Xfer NOD - SacR (0% Carriage Loss) **													0.0				0.0
Xfer NOD - SJR (0% Conveyance Loss) **													0.0				0.0
SOD CVP Surface/GW purchases													0.0				0.0
Exchange of EWA assets													0.0				0.0
Groundwater pumping													0.0				0.0
Exchange from SWP to CVP in SL													0.0				0.0
Total Monthly EWA Assets	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 4: EWA Expenditures at the Export Pumps

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	For WY 2005-2006 Oct	Nov	Dec	
SWP export cuts						-25	-126	-112					**-263.0**				
CVP export cuts													**0.0**				
Total Expenditures	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**-25.0**	**-126.0**	**-112.0**	**0.0**	**0.0**	**0.0**	**0.0**	**-263.0**				

TABLE 5: (Acquisition + Expenditures) EWA Incremental Storage Changes

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dec Bal
Total NOD Storage (non SL)																0.0
Shasta																0.0
Oroville																0.0
Bullards Bar																0.0
Folsom																0.0
New Melone																0.0
Total SOD Storage (non SL)																0.0
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**0.0**	**0.0**	**54.0**	**0.0**	**0.0**	**-25.0**	**-126.0**	**-112.0**	**30.0**	**50.0**	**50.0**	**60.0**	**0.0**	**0.0**	**0.0**	**-73.0**
CVP in SL (without Source Shift)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 6: EWA Cumulative End-of-Month Storage Balance

	EOM Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total NOD Storage (non SL)																
Shasta																
Oroville																
Bullards Bar																
Folsom																
New Melone																
Total SOD Storage (non SL)																
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**-54.0**	**-54.0**	**-54.0**	**0.0**	**0.0**	**0.0**	**-25.0**	**-151.0**	**-263.0**	**-233.0**	**-183.0**	**-133.0**	**-73.0**	**-73.0**	**-73.0**	**-73.0**
CVP in SL (without Source Shift)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 7: San Luis Reservoir End-of-Month Storage Conditions

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Storage (base case) ***	1517	1681	1893	2030	2020	2028	1814	1408	1058	782	520	552	613	766	972
SWP	1044	1076	1168	1153	1144	1062	1007	858	675	628	513	512	458	432	439
CVP	473	605	726	877	875	966	807	550	383	154	6	40	154	334	533
Encroachment															
Total Storage (EWA case)	1463	1627	1893	2030	2020	2003	1663	1145	825	599	387	479	540	693	899
Monthly MWD Source Shifting															
Storage (with MWD source shifting)	**1463**	**1627**	**1893**	**2030**	**2020**	**2003**	**1663**	**1145**	**825**	**599**	**387**	**479**	**540**	**693**	**899**

* The WY accounting is typically used for EWA accounting except when the CY accounting is required for Bulletin 132.

** 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.

*** Based upon the 3/1/2006 DWR's 50% (90% Fall) allocation study/ Based upon the 2/2006 USBR 50% B2 study.

Note: 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.

2005/2006 EWA Accounting Summary (Based on 50% Hydrology)

			As of 3/23/06	Total	End of WY '06	Total
Expenditures	SWP		0.0	0.0	354.0	354.0
	CVP		0.0		0.0	
Acquisitions @ O'Neill	Fixed	NOD**	0.0	0.0	70.0	190.0
		SOD	0.0		120.0	
	Variable	Ops	0.0		0.0	
Assets in Storages (non SL)			0.0	0.0	0.0	0.0
S. L. Balance	SWP		0.0	0.0	-164.0	-164.0
	CVP		0.0		0.0	

Legends:

- Projected Value
- Actual Value

TABLE 1: Delivered EWA NOD and SOD Assets (- = Releases)

		commit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
NOD Upstream Storage															0.0				0.0
SFWP (above Oroville) [1]	*SWPAO # ?*														0.0				0.0
PCWA (above Folsom) [2]	*SWPAO # ?*														0.0				0.0
NOD Release to Delta															0.0				0.0
YCWA [3]	*SWPAO # ('06 Pilot)*														0.0				0.0
YCWA [3]	*SWPAO # ('05 Agreement)*														0.0				0.0
MID [4]															0.0				0.0
SOD Storage															0.0				0.0
SCVWD [5]	*SWPAO # ?*														0.0				0.0
SCVWD [5]	*SWPAO # ?*														0.0				0.0
KCWD [6]	*SWPAO # ?*														0.0				0.0
KCWD [6]	*SWPAO # ?*														0.0				0.0
MWD [7]	*SWPAO # ?*														0.0				0.0

TABLE 2: EWA Asset Acquisition in SWP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													0.0				0.0
EWA share of SWP gain from B2 releases													0.0				0.0
Project Pumping to reduce EWA debt			54.0										54.0				0.0
JPOD using excess flows													0.0				0.0
JPOD using NOD storage													0.0				0.0
Xfer NOD - SacR (20% Carriage Loss) **										20.0	20.0	30.0	70.0				70.0
Xfer NOD - SJR (0% Conveyance Loss) **													0.0				0.0
SOD SWP Surface/GW Purchases									40.0	40.0	40.0		120.0				120.0
Exchange of EWA assets													0.0				0.0
Groundwater pumping SOD													0.0				0.0
Exchange from CVP to SWP in SL													0.0				0.0
Total Monthly EWA Assets	**0.0**	**0.0**	**54.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**40.0**	**60.0**	**60.0**	**30.0**	**244.0**	**0.0**	**0.0**	**0.0**	**190.0**

TABLE 3: EWA Asset Acquisition in CVP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													0.0				0.0
Project Pumping to reduce EWA debt													0.0				0.0
JPOD using excess flows													0.0				0.0
JPOD using NOD storage													0.0				0.0
Xfer NOD - SacR (0% Carriage Loss) **													0.0				0.0
Xfer NOD - SJR (0% Conveyance Loss) **													0.0				0.0
SOD CVP Surface/GW purchases													0.0				0.0
Exchange of EWA assets													0.0				0.0
Groundwater pumping													0.0				0.0
Exchange from SWP to CVP in SL													0.0				0.0
Total Monthly EWA Assets	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 4: EWA Expenditures at the Export Pumps

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	For WY 2005-2006 Oct	Nov	Dec
SWP export cuts						-25	-164	-165					-354.0			
CVP export cuts													0.0			
Total Expenditures	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**-25.0**	**-164.0**	**-165.0**	**0.0**	**0.0**	**0.0**	**0.0**	**-354.0**			

TABLE 5: (Acquisition + Expenditures) EWA Incremental Storage Changes

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dec Bal
Total NOD Storage (non SL)																0.0
Shasta																0.0
Oroville																0.0
Bullards Bar																0.0
Folsom																0.0
New Melone																0.0
Total SOD Storage (non SL)																0.0
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**0.0**	**0.0**	**54.0**	**0.0**	**0.0**	**-25.0**	**-164.0**	**-165.0**	**40.0**	**60.0**	**60.0**	**30.0**	**0.0**	**0.0**	**0.0**	**-164.0**
CVP in SL (without Source Shift)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 6: EWA Cumulative End-of-Month Storage Balance

	EOM Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Folsom																
New Melone																
Total SOD Storage (non SL)																
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**-54.0**	**-54.0**	**-54.0**	**0.0**	**0.0**	**0.0**	**-25.0**	**-189.0**	**-354.0**	**-314.0**	**-254.0**	**-194.0**	**-164.0**	**-164.0**	**-164.0**	**-164.0**
CVP in SL (without Source Shift)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 7: San Luis Reservoir End-of-Month Storage Conditions

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Storage (base case) ***	1517	1681	1893	2030	2020	2028	1838	1525	1180	933	777	782	812	942	1141
SWP	1044	1076	1168	1153	1144	1062	1021	970	811	788	768	739	666	628	628
CVP	473	605	726	877	875	966	817	555	369	146	9	43	146	314	513
Encroachment															
Total Storage (EWA case)	1463	1627	1893	2030	2020	2003	1649	1171	866	679	583	618	648	778	977
Monthly MWD Source Shifting															
Storage (with MWD source shifting)	**1463**	**1627**	**1893**	**2030**	**2020**	**2003**	**1649**	**1171**	**866**	**679**	**583**	**618**	**648**	**778**	**977**

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