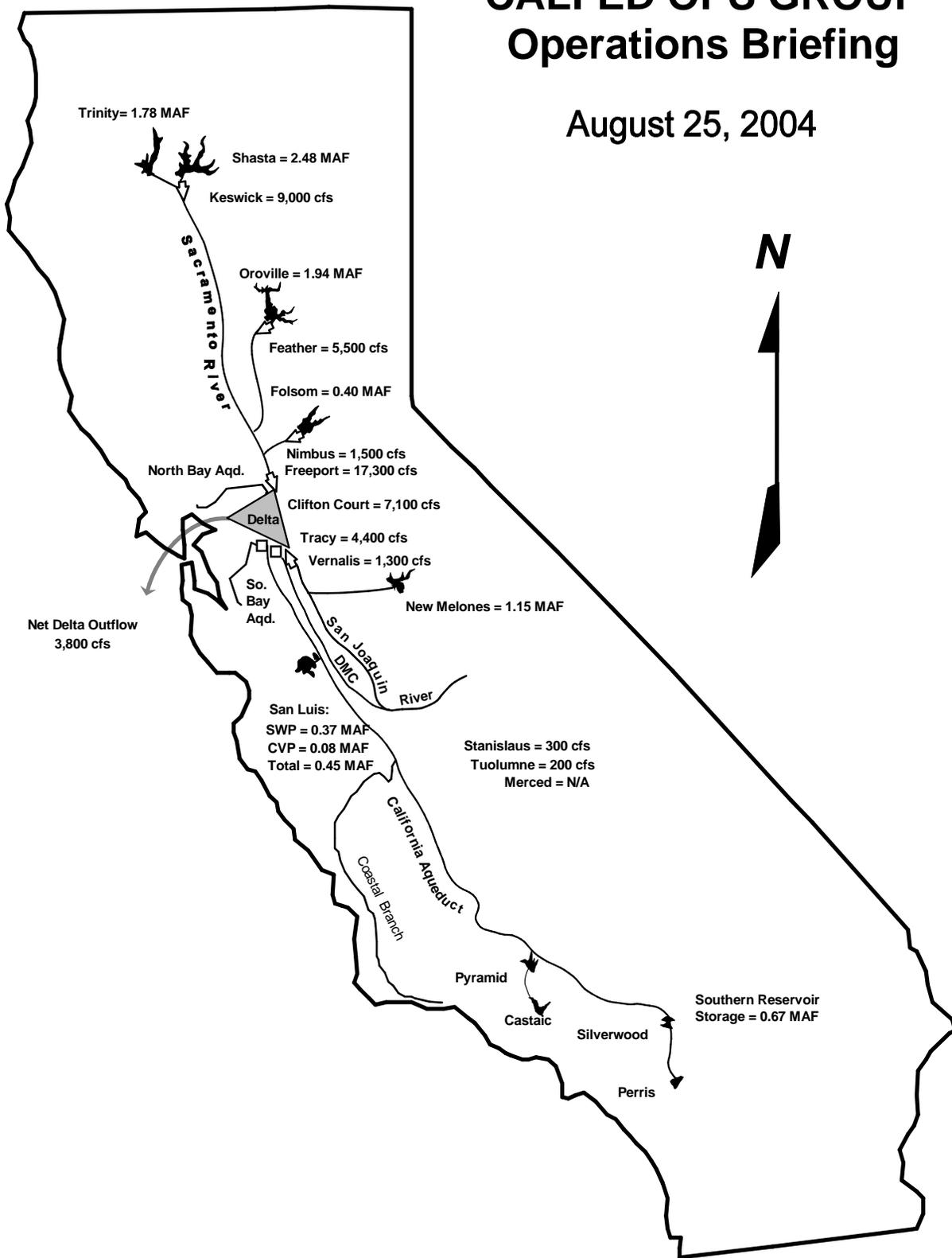


CALFED OPS GROUP Operations Briefing

August 25, 2004



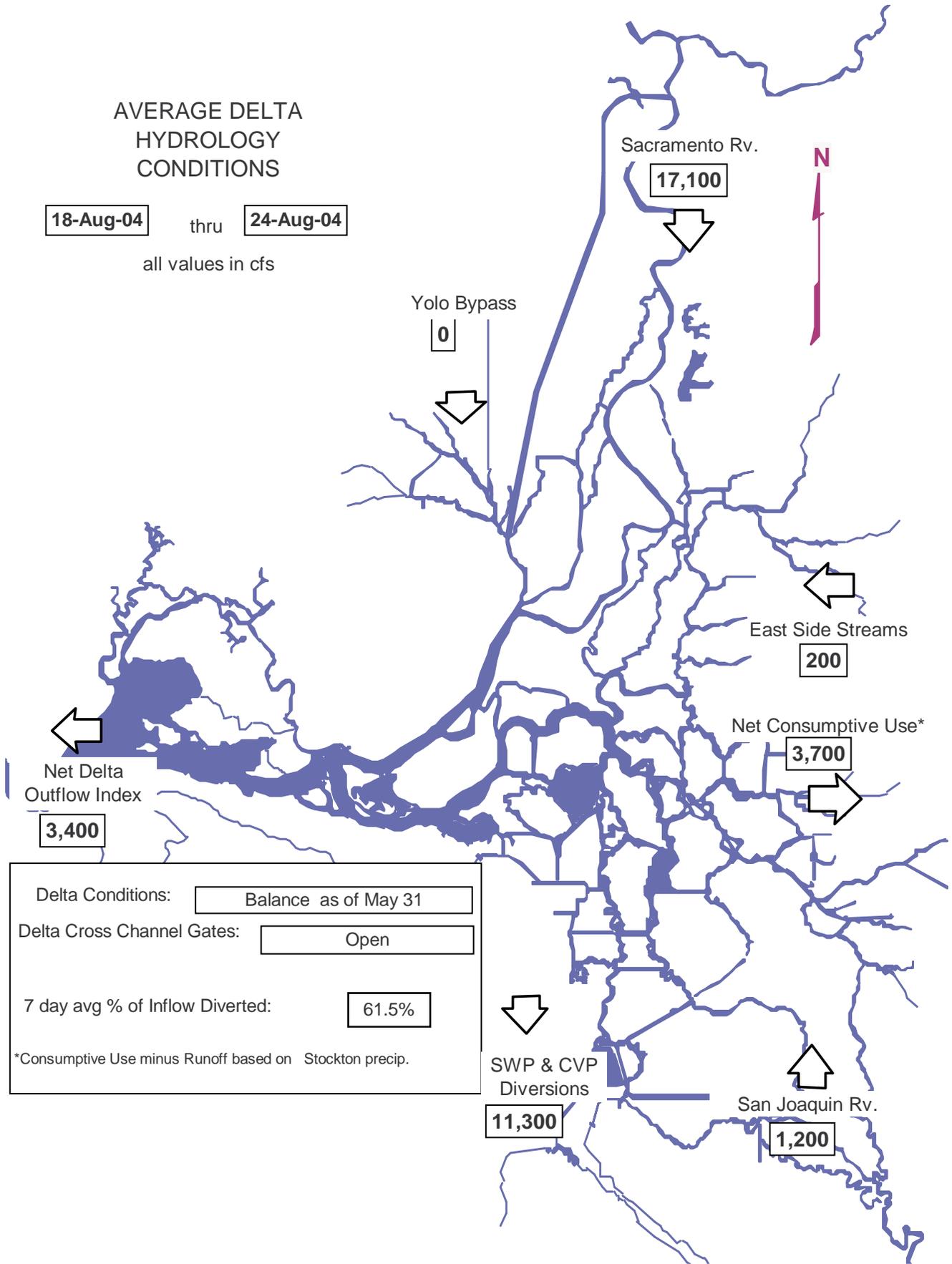
CURRENT SWP/CVP OPERATIONAL STATUS

**DATA AS OF
August 25, 2004**

AVERAGE DELTA HYDROLOGY CONDITIONS

18-Aug-04 thru 24-Aug-04

all values in cfs



Delta Conditions:	Balance as of May 31
Delta Cross Channel Gates:	Open
7 day avg % of Inflow Diverted:	61.5%
*Consumptive Use minus Runoff based on Stockton precip.	

AVERAGE DELTA WATER QUALITY CONDITIONS

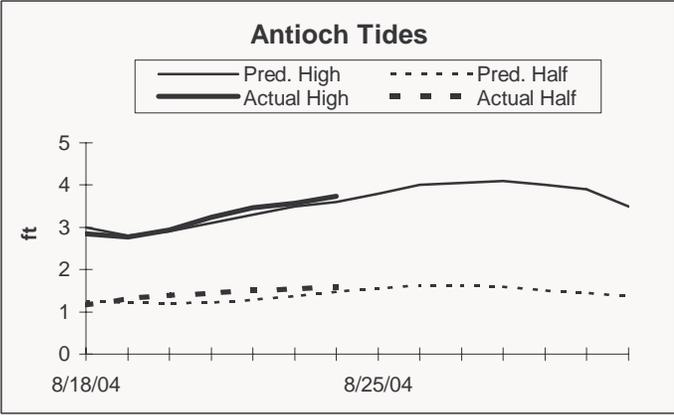
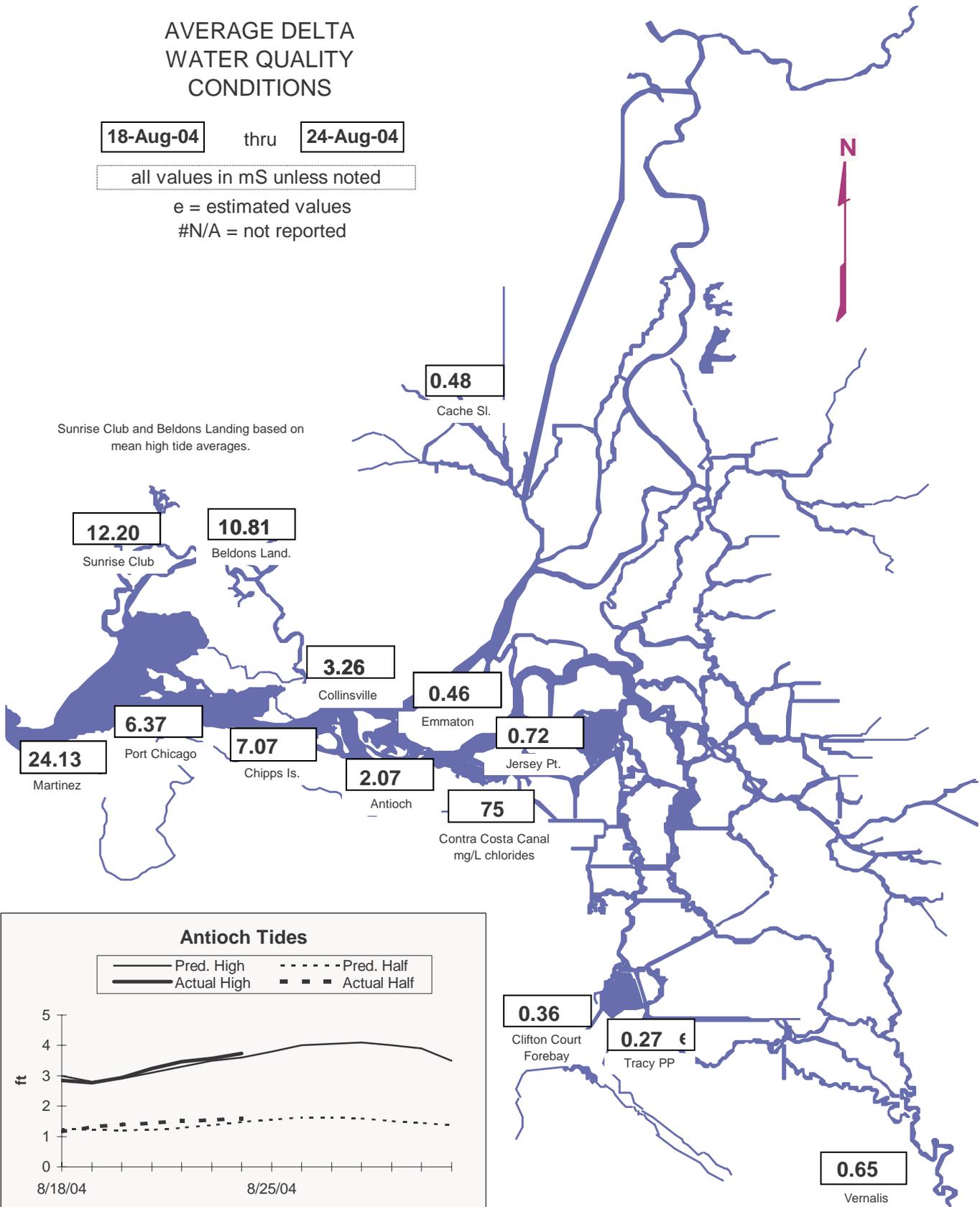
18-Aug-04 thru **24-Aug-04**

all values in mS unless noted

e = estimated values

#N/A = not reported

Sunrise Club and Beldons Landing based on mean high tide averages.



DRAFT

Bay-Delta Standards

Contained in D-1641

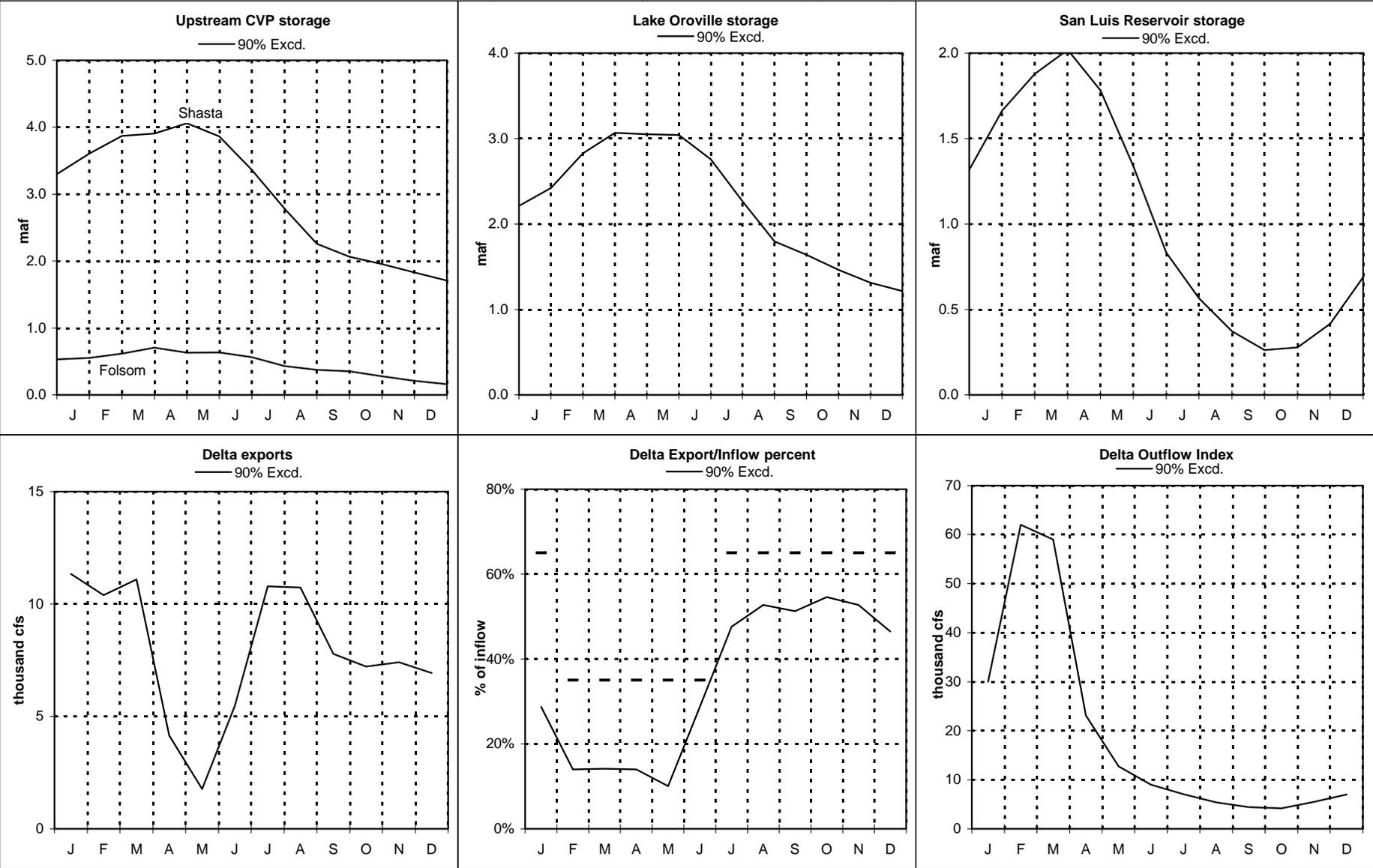
DRAFT

CRITERIA	Aug 04	Sep 04	Oct 04	
FLOW/OPERATIONAL				
<ul style="list-style-type: none"> • Fish and Wildlife SWP/CVP Export Limits Export/Inflow Ratio Minimum Outflow - mon. <li style="padding-left: 20px;">- 7 day avg Habitat Protection Outflow, X2 River Flows: @ Rio Vista - min. mon. avg. <li style="padding-left: 20px;">- 7 day average @ Vernalis: Base -min. mon. avg. <li style="padding-left: 20px;">- 7 day average <li style="padding-left: 20px;">- Pulse Flow Delta Cross Channel Gates 				
	65%			
	4000 cfs	3000 cfs	4000 cfs	
	3000 cfs	2000 cfs	3000 cfs	
		3000 cfs	4000 cfs	
		2000 cfs	3000 cfs	
			28 + TAF	
	WATER QUALITY STANDARDS			
	<ul style="list-style-type: none"> • Municipal and Industrial All Export Locations Contra Costa Canal 	≤ 250 mg/L Cl		
≤ 150 mg/L Cl for 175 days (days have been met)				
<ul style="list-style-type: none"> • Agriculture Western/Interior Delta Southern Delta 	14 dm ≤ 1.14 mS/cm @ emmaton, 14dm ≤ 0.74 mS/cm @ Jersey (Standard has been met)			
	14 dm			
	30-day running average EC ≤ 0.7 mS		30-day running average EC ≤ 1.0 mS	
<ul style="list-style-type: none"> • Fish and Wildlife San Joaquin River Salinity Suisun Marsh Salinity 				
				19.0 mS/cm

Water Year Classification: (May 1 forecast) SRI (40-30-30 @ 50%) =7.7 (Below Normal) SJV (60-20-20 @75%) =2.2 (Dry)
--

SWP & CVP CY 2004 Forecasted Operations

(based on 8/1/04 storages and 6-1-04 water supply update)



Flows are monthly averages.

WY 2003/2004 EWA Accounting Summary

Based upon August Operations Study - 90% Exceedance Hydrology

Assumptions: SWP Allocation - 65%; NOD Purchases - 120 TAF; SOD Purchases - 35 TAF

EWA NOD and SOD Storage ((+ = Acquisitions) and (- = Releases))																	
1	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NOD (Oroville) ⁰	0.398					-0.398 ³											0
NOD (YCWA/PCWA)									101 ⁴	20 ⁵							120
YCWA											-39	-43	-15	-4			-101
Carriage Water Loss ²											-4	-4	-2	-0.4			-10
Suspension of EWA												-13					-13
PCWA (released into Folsom)											-5.9	-5.9	-0.4	-2.4	-5.3		-20
SOD (KCWA/SCVWD)									35 ⁶	-12 ⁶	-12 ⁶	-12 ⁶					0
SOD (MWD)																	0

EWA Asset Acquisition in SWP San Luis ¹																	
2	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0
EWA share of SWP gain																	0
Project Pumping to reduce EWA debt																	0
JPOD using excess flows																	0
JPOD using NOD storage																	0
Xfer NOD - Sacramento River ²											8 ⁴	6 ⁴	10 ⁴	4 ⁴			28
Xfer NOD - San Joaquin River ²																	0
SOD SWP Surface/GW Purchases										12 ⁶	12 ⁶	12 ⁶					35
Exchange of EWA assets						-0.057											0
Groundwater pumping SOD																	0
Exchange from CVP to SWP in SL																	0
Total Monthly EWA Assets		0	0	0	0	0	0	0	0	12	20	18	10	4	0	0	63

EWA Asset Acquisition in CVP San Luis ¹																	
3	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0
Project Pumping to reduce EWA debt							0.202										0
JPOD using excess flows																	0
JPOD using NOD storage											27 ⁴	21 ⁴	3 ⁴	11.0 ⁵	4.0 ⁵		66
Xfer NOD - Sacramento River ²																	0
Xfer NOD - San Joaquin River ²																	0
SOD CVP Surface/GW purchases																	0
Exchange of EWA assets																	0
Groundwater pumping																	0
Exchange from SWP to CVP in SL																	0
Total Monthly EWA Assets	0	0	0	0	0	0	0	0	0	0	27	21	3	11	4	0	66

EWA Expenditures at the Export Pumps																	
4	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP export cuts								-6 ⁷	-52 ⁷								-58
CVP export cuts								-7 ⁸	-59 ⁸								-66
Total Expenditures	0	0	0	0	0	0	0	-13	-111	0	0	0	0	0	0	0	-124

EWA End-of-Month Incremental Storage Changes																	
5	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	0.057	0.000	0.000	0.000	0.000	0.000	-0.057	-6	-52	12	20	18	10	4	0	0	5
CVP in SL	-0.202	0.000	0.000	0.000	0.000	0.000	0.202	-7	-59	0	27	21	3	11	4	0	0
NOD Storage	0.398	0	0	0	0	-0.398	0	0	101	20	-44	-49	-15	-7	-5	0	0
SOD Storage (non-S.L.)	0.000	0	0	0	0	0	0	0	35	-12	-12	-12	0	0	0	0	0
Total Incremental Storage Changes	0.253	0	0	0	0	0	0	-13	25	20	-10	-22	-2	8	-1	0	5

EWA End-of-Month Storage Balance at Various Sites																	
6	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	0.057	0.057	0.057	0.057	0.057	0.057	0.000	-6	-58	-46	-27	-9	2	5	5	5	5
CVP in SL (without Source Shift)	-0.202	-0.202	-0.202	-0.202	-0.202	-0.202	0.000	-7	-66	-66	-39	-18	-15	-4	0	0	0
NOD Storage	0.398	0.398	0.398	0.398	0.398	0.000	0	0	101	120	76	27	12	5	0	0	0
SOD Storage (non-S.L.)	0.000	0	0	0	0	0	0	0	35	23	12	0	0	0	0	0	0
EWA Asset Balance	0.253	0	0	0	0	0	0	-13	12	32	22	1	-1	7	5	5	5

San Luis Reservoir Storage Conditions																	
7	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Storage (base case) ⁹		962	1123	1317	1665	1879	2020	1781	1337	832	558	373	263	278	417	689	
SWP		608	613	616	809	972	1067	944	732	481	396	303	151	71	42.3	125	
CVP		355	509	701	856	907	953	837	606	351	162	70	112	207	374	564	
Encroachment																	
Total Storage (EWA case)		962	1123	1317	1664	1878	2020	1768	1214	720	493	346	250	279	422	694	
MWD Source Shifting																	
Storage (with MWD source shifting)		962	1123	1317	1664	1878	2020	1768	1214	720	493	346	250	279	422	694	

⁰ 2004 NOD Purchases = 65(YCWA) + 20(PCWA). YCWA has firm 65 taf; exercised options for an additional 35 taf.

¹ Aqueduct conveyance and evaporation losses are not included.

² Carriage water loss applies to water transfers from the Sacramento River (assumed to be 10% until modeling results indicate otherwise); a 10% conveyance loss applies to water transfers from the San Joaquin River. Carriage water loss in WY 2003 was 0%.

³ The SWP spilled ~ 400 af of EWA water stored in Oroville during flood control operations.

⁴ 2004 YCWA Transfer (Joint place of use) ⁵ 2004 PCWA Transfer (Joint place of use) - Will move water possibly beginning in August.

⁶ 2004 SOD Transfers - 35 TAF from KCWA (SWP place of use)

⁷ The SWP costs for VAMP and post-VAMP shoulder are about 2.6 TAF (for 4/15-4/30 = -5.7 TAF; 5/1-5/15 = +3.0 TAF) (cumulatively) and 55 TAF, respectively.

⁸ The CVP costs for VAMP and post-VAMP shoulder are about 17 TAF and 49 TAF, respectively.

⁹ Based upon DWR's 90% (90% Fall) allocation study (dated 8/2004).