

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Thursday, January 14, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	65 %	42 %
NDOI, monthly average *	>= 4,500 cfs	6,530 cfs
NDOI, 7 day average*	>= 3,500 cfs	6,432 cfs

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	14 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	88 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.9 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.9 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.4 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	1.0 mS/cm
SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, December 1, 2009)

Previous Month's Index (8RI for May ) : 0.464 MAF  
 Water Year Type: Dry  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.4 MAF ( Dry )  
 San Joaquin valley water year type index (60/20/20) @ 75% : 2.0 MAF ( Critical )

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 #xxx: where # is number of gates operating and xxx is one of the following  
 FTF - full tide operation  
 OPN - open always  
 FTP - full tide partial operation  
 CLO - closed always  
 1C/2O - 1 gate closed always; 2 gates operating  
 1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
 1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns  
 \* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chipps Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
12/16/2009	6.45	4.34	12,144	27.00	19.61	20.81	11.61	11.32	12.69	7.51	8.72
12/17/2009	6.30	4.22	10,890	26.04	19.01	20.49	11.07	10.74	12.41	6.84	8.47
12/18/2009	6.03	4.11	8,466	25.61	18.33	20.37	10.49	10.12	12.16	6.27	8.24
12/19/2009	5.84	4.05	5,453	25.50	17.53	20.04	9.74	9.32	11.83	5.93	7.94
12/20/2009	5.82	4.15	6,667	25.71	17.71	19.67	9.93	9.53	11.48	5.84	7.66
12/21/2009	5.75	4.26	6,314	25.45	18.36	19.45	10.63	10.27	11.27	6.16	7.43
12/22/2009	5.28	4.07	5,881	23.85	17.30	19.25	9.97	9.56	11.10	6.32	7.31
12/23/2009	5.01	3.58	6,478	21.18	15.63	19.04	8.35	7.87	10.92	4.19	7.10
12/24/2009	5.19	3.49	5,554	22.49	15.54	18.83	8.27	7.78	10.75	4.46	6.90
12/25/2009	5.57	3.68	5,988	23.26	16.52	18.61	9.05	8.60	10.55	4.93	6.68
12/26/2009	6.05	4.02	5,620	25.47	18.40	18.36	10.25	9.86	10.29	6.32	6.48
12/27/2009	6.27	4.10	4,593	26.91	19.33	18.14	11.21	10.89	10.06	6.98	6.29
12/28/2009	6.42	4.17	4,613	28.08	20.44	18.12	11.83	11.56	10.00	7.40	6.21
12/29/2009	6.65	4.34	5,198	28.30	21.50	18.23	12.81	12.62	10.00	8.47	6.26
12/30/2009	6.80	4.42	6,187	28.72	21.27	18.35	12.98	12.80	10.11	8.98	6.36
12/31/2009	6.56	4.13	6,901	27.35	20.44	18.45	12.15	11.90	10.19	8.04	6.45
01/01/2010	6.57	4.15	7,134	27.04	20.29	18.59	12.14	11.89	10.32	8.08	6.58
01/02/2010	6.33	4.06	6,947	26.33	19.52	18.73	11.50	11.20	10.45	7.95	6.72
01/03/2010	5.95	3.96	6,994	25.45	18.84	18.81	10.76	10.41	10.51	6.96	6.80
01/04/2010	5.59	3.83	6,000	25.18	17.04	18.72	10.17	9.78	10.48	6.43	6.82
01/05/2010	5.38	3.77	6,310	24.50	10.15	18.21	9.67	9.25	10.46	5.81	6.79
01/06/2010	5.58	3.68	6,512	24.24	9.68	17.78	9.23	8.79	10.52	5.11	6.85
01/07/2010	5.76	3.58	6,493	24.43	17.00	17.89	8.71	8.24	10.56	4.73	6.87
01/08/2010	5.84	3.69	6,107	24.35	16.89	17.91	9.23	8.79	10.57	5.25	6.89
01/09/2010	5.96	3.84	6,624	24.75	17.09	17.82	9.54	9.12	10.52	5.61	6.84
01/10/2010	6.10	3.97	6,369	25.82	10.61	17.20	9.98	9.58	10.42	5.56	6.74
01/11/2010	6.09	4.03	6,161	25.93	11.86	16.58	10.27	9.88	10.30	5.20	6.58
01/12/2010	6.78	4.60	5,954	28.69	13.50	16.01	12.34	12.11	10.27	7.05	6.48
01/13/2010	6.64	4.69	5,754	27.95	12.98	15.42	12.66	12.46	10.24	7.89	6.41
01/14/2010	6.17	4.13	8,056	25.28	11.98	14.82	10.21	9.82	10.09	6.67	6.31

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chipps Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
12/16/2009	5.11	5.47	1.65	1.65	1.79	2.71	0.59	17.80	14.44	14.71	15.31	8.66
12/17/2009	4.81	5.33	1.55	1.61	1.65	2.55	0.64	17.60	14.31	14.39	15.03	8.14
12/18/2009	4.58	5.23	1.59	1.60	1.38	2.41	0.70	17.20	13.93	14.19	15.08	7.33
12/19/2009	4.33	5.11	1.55	1.57	1.17	2.24	0.73	17.15	13.82	13.80	14.86	6.91
12/20/2009	4.23	4.96	1.65	1.56	1.12	2.05	0.76	16.81	13.81	13.80	14.84	7.10
12/21/2009	4.47	4.87	1.75	1.56	1.18	1.93	0.78	16.75	13.77	13.49	14.79	7.19
12/22/2009	4.09	4.81	1.52	1.57	0.68	1.82	0.84	16.72	13.32	13.41	14.15	7.45
12/23/2009	3.17	4.76	1.33	1.58	0.53	1.74	0.85	16.54	13.08	13.27	13.57	5.68
12/24/2009	3.13	4.71	1.34	1.59	0.67	1.67	0.86	16.54	13.08	12.93	13.23	6.59
12/25/2009	3.55	4.64	1.40	1.60	0.85	1.58	0.86	16.49	13.10	12.80	12.62	7.07
12/26/2009	4.37	4.52	1.63	1.59	1.06	1.42	0.84	16.29	13.26	12.51	12.00	9.23
12/27/2009	4.75	4.38	1.74	1.57	1.31	1.28	0.84	16.24	13.14	12.30	10.40	9.20
12/28/2009	5.13	4.35	1.83	1.58	1.79	1.24	0.86	15.67	13.94	12.86	9.58	10.06
12/29/2009	5.63	4.38	2.02	1.61	2.24	1.24	0.88	16.08	14.05	12.93	9.81	10.29
12/30/2009	5.87	4.44	2.12	1.64	2.65	1.31	0.82	15.78	13.42	12.49	9.86	11.35
12/31/2009	5.33	4.47	1.84	1.66	2.36	1.36	0.84	15.43	12.83	12.29	9.82	10.87
01/01/2010	5.19	4.52	1.82	1.68	2.34	1.43	0.82	15.42	12.48	12.19	10.79	10.91
01/02/2010	4.80	4.55	1.66	1.69	1.88	1.48	0.82	15.10	12.21	11.75	10.40	10.11
01/03/2010	4.33	4.56	1.52	1.68	1.66	1.51	0.81	14.90	11.74	11.69	10.04	9.28
01/04/2010	4.00	4.53	1.42	1.66	1.37	1.53	0.82	14.83	11.52	11.11	9.69	8.22
01/05/2010	3.83	4.51	1.40	1.65	1.12	1.56	0.84	14.74	11.90	11.54	10.19	7.10
01/06/2010	3.53	4.53	1.34	1.65	1.03	1.60	0.86	14.40	12.15	11.64	10.33	5.91
01/07/2010	3.36	4.55	1.25	1.64	1.07	1.62	0.85	14.60	11.71	11.98	10.89	5.97
01/08/2010	3.58	4.55	1.39	1.64	1.05	1.64	0.86	14.91	11.80	12.21	11.30	6.63
01/09/2010	3.82	4.51	1.45	1.63	1.18	1.65	0.84	15.16	12.01	12.40	11.68	6.83
01/10/2010	4.11	4.47	1.54	1.61	1.45	1.66	0.84	15.11	12.15	12.71	11.71	6.58
01/11/2010	4.17	4.40	1.50	1.59	1.52	1.64	0.83	15.51	12.25	12.87	11.71	6.74
01/12/2010	5.33	4.38	1.93	1.58	2.41	1.65	0.81	15.66	12.83	13.41	13.10	9.02
01/13/2010	5.44	4.34	1.84	1.56	2.30	1.62	0.86	15.89	13.02	13.38	13.20	8.91
01/14/2010	4.29	4.27	1.49	1.54	1.34	1.55	0.85	15.98	12.59	13.52	12.27	7.97

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 mht : mean high tides  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
12/16/2009	0.95	0.97	0.57	0.57	0.56	0.50	0.60	1,556	110	104	s
12/17/2009	0.94	0.98	0.59	0.57	0.56	0.55	0.61	1,463	111	112	s
12/18/2009	0.96	0.98	0.61	0.57	0.56	0.55	0.59	1,388	112	101	s
12/19/2009	0.93	0.99	0.62	0.58	0.56	0.55	0.62	1,310	114	125	s
12/20/2009	0.94	1.01	0.63	0.59	0.56	0.56	0.60	1,276	115	108	s
12/21/2009	0.93	1.04	0.68	0.60	0.56	0.57	0.59	1,354	118	106	s
12/22/2009	0.94	1.08	0.71	0.62	0.57	0.58	0.61	1,233	123	107	s
12/23/2009	0.94	1.04	0.74	0.56	0.55	0.61	0.67	938	109	104	s
12/24/2009	0.97	1.06	0.75	0.55	0.55	0.55	0.69	927	106	104	s
12/25/2009	0.95	1.09	0.74	0.58	0.55	0.58	0.70	1,061	115	106	s
12/26/2009	0.95	1.14	0.78	0.59	0.55	0.52	0.72	1,322	116	123	s
12/27/2009	0.99	1.15	0.78	0.59	0.54	0.56	0.74	1,444	115	99	s
12/28/2009	0.99	1.12	0.78	0.58	0.54	0.59	0.73	1,564	114	104	s
12/29/2009	1.00	1.12	0.79	0.58	0.54	0.56	0.69	1,725	114	97	s
12/30/2009	1.01	1.21	0.79	0.58	0.53	0.60	0.75	1,800	114	134	s
12/31/2009	1.02	1.17	0.79	0.58	0.52	0.59	0.73	1,627	114	86	s
01/01/2010	1.04	1.18	0.80	0.58	0.51	0.59	0.75	1,583	115	120	s
01/02/2010	1.05	1.17	0.81	0.59	0.51	0.66	0.76	1,459	117	93	s
01/03/2010	1.05	1.16	0.82	0.60	0.52	0.64	0.78	1,310	119	111	s
01/04/2010	1.09	1.15	0.82	0.61	0.51	0.66	0.80	1,205	122	85	s
01/05/2010	1.10	1.15	0.83	0.77	0.52	0.67	0.81	1,151	163	100	s
01/06/2010	1.09	1.15	0.83	0.91	0.52	0.65	0.83	1,054	200	99	s
01/07/2010	1.08	1.15	0.85	0.92	0.52	0.68	0.83	1,000	204	98	s
01/08/2010	1.08	1.15	0.85	0.93	0.52	0.67	0.87	1,071	205	93	s
01/09/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.87	1,147	207	92	s
01/10/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.86	1,240	205	93	s
01/11/2010	1.05	1.15	0.83	0.92	0.51	0.67	0.89	1,259	202	115	s
01/12/2010	1.05	1.18	0.83	0.83	0.51	0.66	0.82	1,627	180	115	s
01/13/2010	1.06	1.17	0.83	0.77	0.51	0.65	0.80	1,664	164	90	s
01/14/2010	1.05	1.14	0.82	0.77	0.50	0.69	0.86	1,296	162	88	s

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

# Delta Water Quality Conditions

## South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
12/16/2009	0.85	0.78	0.81	0.79	1.19	1.23	0.86	0.83
12/17/2009	0.84	0.79	0.81	0.79	1.15	1.23	0.88	0.83
12/18/2009	0.84	0.79	0.82	0.79	1.17	1.23	0.89	0.83
12/19/2009	0.85	0.79	0.83	0.79	1.25	1.23	0.89	0.84
12/20/2009	0.85	0.80	0.83	0.80	1.24	1.23	0.90	0.84
12/21/2009	0.87	0.80	0.84	0.80	1.36	1.23	0.90	0.84
12/22/2009	0.89	0.81	0.85	0.80	1.29	1.23	0.91	0.85
12/23/2009	0.91	0.81	0.87	0.81	1.17	1.23	0.92	0.85
12/24/2009	0.92	0.82	0.88	0.81	1.31	1.23	0.95	0.86
12/25/2009	0.92	0.82	0.88	0.81	1.51	1.23	0.97	0.86
12/26/2009	0.93	0.83	0.89	0.82	1.52	1.23	0.97	0.87
12/27/2009	0.94	0.83	0.89	0.82	1.46	1.23	0.97	0.87
12/28/2009	0.94	0.84	0.90	0.83	1.45	1.24	0.98	0.88
12/29/2009	0.93	0.84	0.90	0.83	1.34	1.24	0.98	0.88
12/30/2009	0.93	0.85	0.92	0.83	1.30	1.25	0.98	0.89
12/31/2009	0.94	0.85	0.94	0.84	1.37	1.26	0.98	0.89
01/01/2010	0.95	0.86	0.95	0.84	1.31	1.26	0.99	0.90
01/02/2010	0.94	0.86	0.95	0.85	1.29	1.26	1.00	0.90
01/03/2010	0.92	0.87	0.96	0.85	1.34	1.27	1.00	0.91
01/04/2010	0.94	0.87	0.97	0.86	1.36	1.27	0.99	0.91
01/05/2010	0.96	0.88	0.97	0.86	1.42	1.28	0.98	0.92
01/06/2010	0.97	0.88	0.97	0.87	1.44	1.29	1.00	0.92
01/07/2010	0.96	0.89	0.97	0.87	1.45	1.30	1.02	0.93
01/08/2010	0.97	0.90	0.98	0.88	1.45	1.31	1.03	0.94
01/09/2010	0.96	0.90	0.98	0.89	1.44	1.32	1.02	0.94
01/10/2010	0.96	0.90	0.98	0.89	1.42	1.33	1.03	0.95
01/11/2010	0.99	0.91	0.99	0.90	1.37	1.33	1.04	0.96
01/12/2010	0.95	0.92	0.99	0.90	1.33	1.33	1.04	0.96
01/13/2010	0.98	0.92	0.98	0.91	1.49	1.35	1.03	0.97
01/14/2010	0.93	0.92	1.00	0.92	1.36	1.35	1.02	0.97

Electrical Conductivity (EC) units: milliSiemens per Centimeter

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## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Monday, January 25, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	65 %	9 %
NDOI, monthly average *	>= 4,500 cfs	17,951 cfs
NDOI, 7 day average*	>= 3,500 cfs	43,741 cfs

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	25 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	64 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.9 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.9 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.3 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.9 mS/cm
<b>SUISUN MARSH:</b>		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, December 1, 2009)

Previous Month's Index (8RI for May) : 0.464 MAF  
 Water Year Type: Dry  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.4 MAF ( Dry )  
 San Joaquin valley water year type index (60/20/20) @ 75% : 2.0 MAF ( Critical )

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
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 BR : Below Rating  
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Montezuma Slough Gate Operation:  
 #xxx: where # is number of gates operating and xxx is one of the following  
 FTF - full tide operation  
 OPN - open always  
 FTP - full tide partial operation  
 CLO - closed always  
 1C/2O - 1 gate closed always; 2 gates operating  
 1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
 1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns  
 \* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
12/27/2009	6.27	4.10	4,593	26.91	19.33	18.14	11.21	10.89	10.06	6.98	6.29
12/28/2009	6.42	4.17	4,613	28.08	20.44	18.12	11.83	11.56	10.00	7.40	6.21
12/29/2009	6.65	4.34	5,198	28.30	21.50	18.23	12.81	12.62	10.00	8.47	6.26
12/30/2009	6.80	4.42	6,187	28.72	21.27	18.35	12.98	12.80	10.11	8.98	6.36
12/31/2009	6.56	4.13	6,901	27.35	20.44	18.45	12.15	11.90	10.19	8.04	6.45
01/01/2010	6.57	4.15	7,134	27.04	20.29	18.59	12.14	11.89	10.32	8.08	6.58
01/02/2010	6.33	4.06	6,947	26.33	19.52	18.73	11.50	11.20	10.45	7.95	6.72
01/03/2010	5.95	3.96	6,994	25.45	18.84	18.81	10.76	10.41	10.51	6.96	6.80
01/04/2010	5.59	3.83	6,000	25.18	17.04	18.72	10.17	9.78	10.48	6.43	6.82
01/05/2010	5.38	3.77	6,310	24.50	10.15	18.21	9.67	9.25	10.46	5.81	6.79
01/06/2010	5.58	3.68	6,512	24.24	9.68	17.78	9.23	8.79	10.52	5.11	6.85
01/07/2010	5.76	3.58	6,493	24.43	17.00	17.89	8.71	8.24	10.56	4.73	6.87
01/08/2010	5.84	3.69	6,107	24.35	16.89	17.91	9.23	8.79	10.57	5.25	6.89
01/09/2010	5.96	3.84	6,624	24.75	17.09	17.82	9.54	9.12	10.52	5.61	6.84
01/10/2010	6.10	3.97	6,369	25.82	10.61	17.20	9.98	9.58	10.42	5.56	6.74
01/11/2010	6.09	4.03	6,161	25.93	11.86	16.58	10.27	9.88	10.30	5.20	6.58
01/12/2010	6.78	4.60	5,954	28.69	13.50	16.01	12.34	12.11	10.27	7.05	6.48
01/13/2010	6.64	4.69	5,754	27.95	12.98	15.42	12.66	12.46	10.24	7.89	6.41
01/14/2010	6.17	4.13	8,056	25.28	11.98	14.82	10.21	9.82	10.09	6.67	6.31
01/15/2010	6.01	3.99	9,584	24.53	10.97	14.15	9.29	8.85	9.88	5.41	6.12
01/16/2010	6.15	4.17	13,277	24.54	10.94	13.54	9.06	8.61	9.69	5.24	5.92
01/17/2010	6.27	4.41	14,610	24.50	14.00	13.19	9.16	8.71	9.57	5.00	5.78
01/18/2010	6.86	5.01	13,709	26.34	12.96	12.90	10.56	10.19	9.60	5.33	5.70
01/19/2010	6.58	5.31	13,827	26.10	11.55	13.00	10.16	9.77	9.64	4.59	5.62
01/20/2010	6.62	5.38	21,298	23.44	13.13	13.25	8.65	8.18	9.59	3.26	5.49
01/21/2010	6.87	5.20	37,848	18.23	12.11	12.90	5.46	4.92	9.36	2.11	5.30
01/22/2010	7.02	5.13	51,054	16.09	9.04	12.34	3.43	2.94	8.94	1.06	5.00
01/23/2010	6.60	4.52	54,619	11.56	4.51	11.44	1.45	1.13	8.37	0.48	4.63
01/24/2010	6.34	4.29	64,715	8.82	2.40	10.85	0.84	0.62	7.73	0.30	4.26
01/25/2010	6.65	4.74	62,825	8.31	2.35	10.17	0.64	0.46	7.05	0.25	3.90

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
12/27/2009	4.75	4.38	1.74	1.57	1.31	1.28	0.84	16.24	13.14	12.30	10.40	9.20
12/28/2009	5.13	4.35	1.83	1.58	1.79	1.24	0.86	15.67	13.94	12.86	9.58	10.06
12/29/2009	5.63	4.38	2.02	1.61	2.24	1.24	0.88	16.08	14.05	12.93	9.81	10.29
12/30/2009	5.87	4.44	2.12	1.64	2.65	1.31	0.82	15.78	13.42	12.49	9.86	11.35
12/31/2009	5.33	4.47	1.84	1.66	2.36	1.36	0.84	15.43	12.83	12.29	9.82	10.87
01/01/2010	5.19	4.52	1.82	1.68	2.34	1.43	0.82	15.42	12.48	12.19	10.79	10.91
01/02/2010	4.80	4.55	1.66	1.69	1.88	1.48	0.82	15.10	12.21	11.75	10.40	10.11
01/03/2010	4.33	4.56	1.52	1.68	1.66	1.51	0.81	14.90	11.74	11.69	10.04	9.28
01/04/2010	4.00	4.53	1.42	1.66	1.37	1.53	0.82	14.83	11.52	11.11	9.69	8.22
01/05/2010	3.83	4.51	1.40	1.65	1.12	1.56	0.84	14.74	11.90	11.54	10.19	7.10
01/06/2010	3.53	4.53	1.34	1.65	1.03	1.60	0.86	14.40	12.15	11.64	10.33	5.91
01/07/2010	3.36	4.55	1.25	1.64	1.07	1.62	0.85	14.60	11.71	11.98	10.89	5.97
01/08/2010	3.58	4.55	1.39	1.64	1.05	1.64	0.86	14.91	11.80	12.21	11.30	6.63
01/09/2010	3.82	4.51	1.45	1.63	1.18	1.65	0.84	15.16	12.01	12.40	11.68	6.83
01/10/2010	4.11	4.47	1.54	1.61	1.45	1.66	0.84	15.11	12.15	12.71	11.71	6.58
01/11/2010	4.17	4.40	1.50	1.59	1.52	1.64	0.83	15.51	12.25	12.87	11.71	6.74
01/12/2010	5.33	4.38	1.93	1.58	2.41	1.65	0.81	15.66	12.83	13.41	13.10	9.02
01/13/2010	5.44	4.34	1.84	1.56	2.30	1.62	0.86	15.89	13.02	13.38	13.20	8.91
01/14/2010	4.29	4.27	1.49	1.54	1.34	1.55	0.85	15.98	12.59	13.52	12.27	7.97
01/15/2010	3.78	4.17	1.41	1.51	1.06	1.46	0.77	16.38	12.43	13.34	12.50	6.38
01/16/2010	3.64	4.09	1.42	1.49	0.87	1.39	0.73	15.97	12.78	13.42	12.53	6.38
01/17/2010	3.57	4.03	1.43	1.49	0.84	1.33	0.73	15.67	13.09	13.30	12.66	6.06
01/18/2010	4.28	4.05	1.66	1.50	1.15	1.31	0.74	15.18	13.25	13.72	13.55	6.91
01/19/2010	4.76	4.12	1.71	1.53	0.89	1.30	0.30	15.01	6.30	13.10	13.03	4.70
01/20/2010	4.34	4.18	1.51	1.54	0.54	1.26	0.19	13.36	3.22	11.04	12.74	3.88
01/21/2010	3.25	4.17	1.24	1.54	0.30	1.21	0.21	10.91	0.70	9.29	11.86	2.50
01/22/2010	2.05	4.06	1.06	1.51	0.31	1.15	0.22	9.93	0.84	7.34	10.86	1.52
01/23/2010	1.29	3.88	0.79	1.47	0.29	1.09	0.32	9.99	1.75	5.85	9.89	0.63
01/24/2010	1.09	3.67	0.64	1.40	0.32	1.01	0.37	10.29	3.23	5.70	9.00	0.36
01/25/2010	0.99	3.44	0.58	1.34	0.27	0.92	0.37	10.00	3.36	5.61	7.03	0.26

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

mht : mean high tides

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
12/27/2009	0.99	1.15	0.78	0.59	0.54	0.56	0.74	1,444	115	99	s
12/28/2009	0.99	1.12	0.78	0.58	0.54	0.59	0.73	1,564	114	104	s
12/29/2009	1.00	1.12	0.79	0.58	0.54	0.56	0.69	1,725	114	97	s
12/30/2009	1.01	1.21	0.79	0.58	0.53	0.60	0.75	1,800	114	134	s
12/31/2009	1.02	1.17	0.79	0.58	0.52	0.59	0.73	1,627	114	86	s
01/01/2010	1.04	1.18	0.80	0.58	0.51	0.59	0.75	1,583	115	120	s
01/02/2010	1.05	1.17	0.81	0.59	0.51	0.66	0.76	1,459	117	93	s
01/03/2010	1.05	1.16	0.82	0.60	0.52	0.64	0.78	1,310	119	111	s
01/04/2010	1.09	1.15	0.82	0.61	0.51	0.66	0.80	1,205	122	85	s
01/05/2010	1.10	1.15	0.83	0.77	0.52	0.67	0.81	1,151	163	100	s
01/06/2010	1.09	1.15	0.83	0.91	0.52	0.65	0.83	1,054	200	99	s
01/07/2010	1.08	1.15	0.85	0.92	0.52	0.68	0.83	1,000	204	98	s
01/08/2010	1.08	1.15	0.85	0.93	0.52	0.67	0.87	1,071	205	93	s
01/09/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.87	1,147	207	92	s
01/10/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.86	1,240	205	93	s
01/11/2010	1.05	1.15	0.83	0.92	0.51	0.67	0.89	1,259	202	115	s
01/12/2010	1.05	1.18	0.83	0.83	0.51	0.66	0.82	1,627	180	115	s
01/13/2010	1.06	1.17	0.83	0.77	0.51	0.65	0.80	1,664	164	90	s
01/14/2010	1.05	1.14	0.82	0.77	0.50	0.69	0.86	1,296	162	88	s
01/15/2010	1.06	1.13	0.82	0.76	0.50	0.66	0.88	1,135	162	112	s
01/16/2010	1.05	1.15	0.84	0.77	0.50	0.66	0.84	1,089	164	116	s
01/17/2010	1.05	1.15	0.83	0.78	0.50	0.67	0.84	1,069	166	99	s
01/18/2010	1.04	1.18	0.82	0.78	0.49	0.68	0.86	1,293	167	97	s
01/19/2010	1.06	1.22	0.78	0.77	0.49	0.65	0.80	1,446	164	82	s
01/20/2010	1.04	1.22	0.74	0.75	0.48	0.69	0.83	1,314	158	95	f
01/21/2010	0.98	1.15	0.74	0.73	0.47	0.70	0.78	964	153	73	f
01/22/2010	0.95	1.04	0.74	0.72	0.46	0.69	0.81	584	150	75	f
01/23/2010	0.93	0.99	0.72	0.71	0.46	0.67	0.79	341	148	75	f
01/24/2010	0.88	0.95	0.71	0.71	0.39	0.60	0.70	278	147	71	f
01/25/2010	0.78	0.94	0.67	0.69	0.40	0.59	0.63	244	143	64	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:

c = excess Delta conditions

b = balanced Delta cond. w/ no storage withdrawal

s = balanced Delta cond. w/ storage withdrawal

Excess Delta conditions with restrictions:

f = fish concerns

r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
12/27/2009	0.94	0.83	0.89	0.82	1.46	1.23	0.97	0.87
12/28/2009	0.94	0.84	0.90	0.83	1.45	1.24	0.98	0.88
12/29/2009	0.93	0.84	0.90	0.83	1.34	1.24	0.98	0.88
12/30/2009	0.93	0.85	0.92	0.83	1.30	1.25	0.98	0.89
12/31/2009	0.94	0.85	0.94	0.84	1.37	1.26	0.98	0.89
01/01/2010	0.95	0.86	0.95	0.84	1.31	1.26	0.99	0.90
01/02/2010	0.94	0.86	0.95	0.85	1.29	1.26	1.00	0.90
01/03/2010	0.92	0.87	0.96	0.85	1.34	1.27	1.00	0.91
01/04/2010	0.94	0.87	0.97	0.86	1.36	1.27	0.99	0.91
01/05/2010	0.96	0.88	0.97	0.86	1.42	1.28	0.98	0.92
01/06/2010	0.97	0.88	0.97	0.87	1.44	1.29	1.00	0.92
01/07/2010	0.96	0.89	0.97	0.87	1.45	1.30	1.02	0.93
01/08/2010	0.97	0.90	0.98	0.88	1.45	1.31	1.03	0.94
01/09/2010	0.96	0.90	0.98	0.89	1.44	1.32	1.02	0.94
01/10/2010	0.96	0.90	0.98	0.89	1.42	1.33	1.03	0.95
01/11/2010	0.99	0.91	0.99	0.90	1.37	1.33	1.04	0.96
01/12/2010	0.95	0.92	0.99	0.90	1.33	1.33	1.04	0.96
01/13/2010	0.98	0.92	0.98	0.91	1.49	1.35	1.03	0.97
01/14/2010	0.93	0.92	1.00	0.92	1.36	1.35	1.02	0.97
01/15/2010	0.89	0.93	1.00	0.92	1.23	1.35	1.02	0.98
01/16/2010	0.88	0.93	1.00	0.93	1.26	1.36	0.96	0.98
01/17/2010	0.86	0.93	1.00	0.93	1.35	1.36	0.94	0.98
01/18/2010	0.89	0.93	0.98	0.94	1.25	1.36	0.92	0.98
01/19/2010	0.82	0.93	0.99	0.95	1.27	1.36	0.92	0.98
01/20/2010	0.78	0.92	0.96	0.95	1.28	1.36	0.91	0.98
01/21/2010	0.59	0.92	0.90	0.95	1.08	1.35	0.83	0.98
01/22/2010	0.49	0.90	0.73	0.95	0.90	1.35	0.62	0.97
01/23/2010	0.47	0.89	0.51	0.93	0.85	1.33	0.53	0.96
01/24/2010	0.44	0.87	0.50	0.92	0.65	1.30	0.48	0.94
01/25/2010	0.48	0.86	0.46	0.91	0.61	1.27	0.48	0.92

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Tuesday, February 02, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	65 %	15 %
NDOI, monthly average *	>= 4,500 cfs	35,951 cfs
NDOI, 7 day average*	>= 3,500 cfs	35,951 cfs

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l Export Areas for SWP, CVP, CCWD, et al	165 days <= 250 mg/l Cl	33 days 116 mg/l
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Maximum 30 day running average of mean daily EC at:

Vernalis	<= 1.0 mS/cm	0.8 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.8 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.1 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.9 mS/cm

#### SUISUN MARSH:

Western marsh monthly average mhtEC	<= 15.6 mS/cm	
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Suisun Marsh Salinity Control Gates Flashboard Status		3OPN IN
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### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, December 1, 2009)

Previous Month's Index (8RI for May) : 0.464 MAF

Water Year Type: Dry

Sacramento valley water year type index (40/30/30) @ 50% : 6.4 MAF ( Dry )

San Joaquin valley water year type index (60/20/20) @ 75% : 2.0 MAF ( Critical )

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
Chlorides (Cl) in milligrams per liter  
mht - mean high tides  
md - mean daily  
14 dm - fourteen day running mean  
28 dm - twenty-eight day running mean  
NR - No Record  
NC - Average not computed due to insufficient data.  
BR : Below Rating  
e - estimated value

Montezuma Slough Gate Operation:  
#xxx: where # is number of gates operating and xxx is one of the following  
FTF - full tide operation  
OPN - open always  
FTP - full tide partial operation  
CLO - closed always  
1C/2O - 1 gate closed always;  
2 gates operating  
1C/1F/1O - 1 gate closed; 1 full tide;  
1 open  
1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
c = excess Delta conditions  
b = balanced Delta cond. w/ no storage withdrawal  
s = balanced Delta cond. w/ storage withdrawal  
Excess Delta conditions with restrictions:  
f = OMR concerns  
r = E/I ratio concerns  
  
\* NDOI, Rio Vista & Vernalis Flows:  
- Monthly average is progressive daily mean.  
- 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Not Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chipps Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
01/04/2010	5.59	3.83	6,000	25.18	17.04	18.72	10.17	9.78	10.48	6.43	6.82
01/05/2010	5.38	3.77	6,310	24.50	10.15	18.21	9.67	9.25	10.46	5.81	6.79
01/06/2010	5.58	3.68	6,512	24.24	9.68	17.78	9.23	8.79	10.52	5.11	6.85
01/07/2010	5.76	3.58	6,493	24.43	17.00	17.89	8.71	8.24	10.56	4.73	6.87
01/08/2010	5.84	3.69	6,107	24.35	16.89	17.91	9.23	8.79	10.57	5.25	6.89
01/09/2010	5.96	3.84	6,624	24.75	17.09	17.82	9.54	9.12	10.52	5.61	6.84
01/10/2010	6.10	3.97	6,369	25.82	10.61	17.20	9.98	9.58	10.42	5.56	6.74
01/11/2010	6.09	4.03	6,161	25.93	11.86	16.58	10.27	9.88	10.30	5.20	6.58
01/12/2010	6.78	4.60	5,954	28.69	13.50	16.01	12.34	12.11	10.27	7.05	6.48
01/13/2010	6.64	4.69	5,754	27.95	12.98	15.42	12.66	12.46	10.24	7.89	6.41
01/14/2010	6.17	4.13	8,056	25.28	11.98	14.82	10.21	9.82	10.09	6.67	6.31
01/15/2010	6.01	3.99	9,584	24.53	10.97	14.15	9.29	8.85	9.88	5.41	6.12
01/16/2010	6.15	4.17	13,277	24.54	10.94	13.54	9.06	8.61	9.69	5.24	5.92
01/17/2010	6.27	4.41	14,610	24.50	14.00	13.19	9.16	8.71	9.57	5.00	5.78
01/18/2010	6.86	5.01	13,709	26.34	12.96	12.90	10.56	10.19	9.60	5.33	5.70
01/19/2010	6.58	5.31	13,827	26.10	11.55	13.00	10.16	9.77	9.64	4.59	5.62
01/20/2010	6.62	5.38	21,298	23.44	13.13	13.25	8.65	8.18	9.59	3.26	5.49
01/21/2010	6.87	5.20	37,848	18.23	12.11	12.90	5.46	4.92	9.36	2.11	5.30
01/22/2010	7.02	5.13	51,054	16.09	9.04	12.34	3.43	2.94	8.94	1.06	5.00
01/23/2010	6.60	4.52	54,619	11.56	4.51	11.44	1.45	1.13	8.37	0.48	4.63
01/24/2010	6.34	4.29	64,715	8.82	2.40	10.85	0.84	0.62	7.73	0.30	4.26
01/25/2010	6.65	4.74	62,825	8.31	2.35	10.17	0.64	0.46	7.05	0.25	3.90
01/26/2010	6.98	4.98	58,233	9.46	2.13	9.36	0.55	0.39	6.22	0.23	3.42
01/27/2010	7.21	4.95	51,793	6.81	2.54	8.62	0.47	0.33	5.35	0.24	2.87
01/28/2010	7.13	4.85	46,739	5.37	1.02	7.83	0.44	0.30	4.67	0.23	2.41
01/29/2010	7.19	4.84	52,799	4.22	0.79	7.11	0.40	0.28	4.06	0.20	2.04
01/30/2010	7.12	4.86	54,792	3.80	0.61	6.37	0.38	0.26	3.46	0.19	1.68
01/31/2010	6.78	4.71	48,309	3.40	0.52	5.41	0.35	0.23	2.86	0.18	1.33
02/01/2010	6.41	4.61	38,500	2.71	0.46	4.51	0.33	0.22	2.14	0.20	0.97
02/02/2010	6.13	4.53	33,401	2.79	0.45	3.72	0.31	0.21	1.46	0.20	0.65

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chipps Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
01/04/2010	4.00	4.53	1.42	1.66	1.37	1.53	0.82	14.83	11.52	11.11	9.69	8.22
01/05/2010	3.83	4.51	1.40	1.65	1.12	1.56	0.84	14.74	11.90	11.54	10.19	7.10
01/06/2010	3.53	4.53	1.34	1.65	1.03	1.60	0.86	14.40	12.15	11.64	10.33	5.91
01/07/2010	3.36	4.55	1.25	1.64	1.07	1.62	0.85	14.60	11.71	11.98	10.89	5.97
01/08/2010	3.58	4.55	1.39	1.64	1.05	1.64	0.86	14.91	11.80	12.21	11.30	6.63
01/09/2010	3.82	4.51	1.45	1.63	1.18	1.65	0.84	15.16	12.01	12.40	11.68	6.83
01/10/2010	4.11	4.47	1.54	1.61	1.45	1.66	0.84	15.11	12.15	12.71	11.71	6.58
01/11/2010	4.17	4.40	1.50	1.59	1.52	1.64	0.83	15.51	12.25	12.87	11.71	6.74
01/12/2010	5.33	4.38	1.93	1.58	2.41	1.65	0.81	15.66	12.83	13.41	13.10	9.02
01/13/2010	5.44	4.34	1.84	1.56	2.30	1.62	0.86	15.89	13.02	13.38	13.20	8.91
01/14/2010	4.29	4.27	1.49	1.54	1.34	1.55	0.85	15.98	12.59	13.52	12.27	7.97
01/15/2010	3.78	4.17	1.41	1.51	1.06	1.46	0.77	16.38	12.43	13.34	12.50	6.38
01/16/2010	3.64	4.09	1.42	1.49	0.87	1.39	0.73	15.97	12.78	13.42	12.53	6.38
01/17/2010	3.57	4.03	1.43	1.49	0.84	1.33	0.73	15.67	13.09	13.30	12.66	6.06
01/18/2010	4.28	4.05	1.66	1.50	1.15	1.31	0.74	15.18	13.25	13.72	13.55	6.91
01/19/2010	4.76	4.12	1.71	1.53	0.89	1.30	0.30	15.01	6.30	13.10	13.03	4.70
01/20/2010	4.34	4.18	1.51	1.54	0.54	1.26	0.19	13.36	3.22	11.04	12.74	3.88
01/21/2010	3.25	4.17	1.24	1.54	0.30	1.21	0.21	10.91	0.70	9.29	11.86	2.50
01/22/2010	2.05	4.06	1.06	1.51	0.31	1.15	0.22	9.93	0.84	7.34	10.86	1.52
01/23/2010	1.29	3.88	0.79	1.47	0.29	1.09	0.32	9.99	1.75	5.85	9.89	0.63
01/24/2010	1.09	3.67	0.64	1.40	0.32	1.01	0.37	10.29	3.23	5.70	9.00	0.36
01/25/2010	0.99	3.44	0.58	1.34	0.27	0.92	0.37	10.00	3.36	5.61	7.03	0.26
01/26/2010	0.67	3.11	0.55	1.24	0.22	0.76	0.27	8.04	1.79	5.42	5.79	0.20
01/27/2010	0.58	2.76	0.48	1.14	0.23	0.62	0.35	6.20	2.64	4.80	5.78	0.24
01/28/2010	0.52	2.49	0.43	1.06	0.23	0.54	0.47	6.44	3.15	4.87	5.03	0.23
01/29/2010	0.47	2.25	0.40	0.99	0.22	0.48	0.57	5.18	3.59	4.50	4.47	0.20
01/30/2010	0.44	2.02	0.37	0.92	0.19	0.43	0.67	3.83	3.68	3.98	4.28	0.19
01/31/2010	0.41	1.80	0.35	0.84	0.18	0.38	0.73	4.15	3.65	3.89	4.34	0.18
02/01/2010	0.40	1.52	0.33	0.75	0.18	0.31	0.77	4.08	3.79	3.82	4.41	0.20
02/02/2010	0.37	1.21	0.31	0.65	0.19	0.26	0.82	4.24	4.13	3.55	4.29	0.20

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

mht : mean high tides

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
01/04/2010	1.09	1.15	0.82	0.61	0.51	0.66	0.80	1,205	122	85	s
01/05/2010	1.10	1.15	0.83	0.77	0.52	0.67	0.81	1,151	163	100	s
01/06/2010	1.09	1.15	0.83	0.91	0.52	0.65	0.83	1,054	200	99	s
01/07/2010	1.08	1.15	0.85	0.92	0.52	0.68	0.83	1,000	204	98	s
01/08/2010	1.08	1.15	0.85	0.93	0.52	0.67	0.87	1,071	205	93	s
01/09/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.87	1,147	207	92	s
01/10/2010	1.06	1.16	0.85	0.93	0.51	0.65	0.86	1,240	205	93	s
01/11/2010	1.05	1.15	0.83	0.92	0.51	0.67	0.89	1,259	202	115	s
01/12/2010	1.05	1.18	0.83	0.83	0.51	0.66	0.82	1,627	180	115	s
01/13/2010	1.06	1.17	0.83	0.77	0.51	0.65	0.80	1,664	164	90	s
01/14/2010	1.05	1.14	0.82	0.77	0.50	0.69	0.86	1,296	162	88	s
01/15/2010	1.06	1.13	0.82	0.76	0.50	0.66	0.88	1,135	162	112	s
01/16/2010	1.05	1.15	0.84	0.77	0.50	0.66	0.84	1,089	164	116	s
01/17/2010	1.05	1.15	0.83	0.78	0.50	0.67	0.84	1,069	166	99	s
01/18/2010	1.04	1.18	0.82	0.78	0.49	0.68	0.86	1,293	167	97	s
01/19/2010	1.06	1.22	0.78	0.77	0.49	0.65	0.80	1,446	164	82	s
01/20/2010	1.04	1.22	0.74	0.75	0.48	0.69	0.83	1,314	158	95	f
01/21/2010	0.98	1.15	0.74	0.73	0.47	0.70	0.78	964	153	73	f
01/22/2010	0.95	1.04	0.74	0.72	0.46	0.69	0.81	584	150	75	f
01/23/2010	0.93	0.99	0.72	0.71	0.46	0.67	0.79	341	148	75	f
01/24/2010	0.88	0.95	0.71	0.71	0.39	0.60	0.70	278	147	71	f
01/25/2010	0.78	0.94	0.67	0.69	0.40	0.59	0.63	244	143	64	f
01/26/2010	0.70	0.92	0.65	0.67	0.46	0.58	0.61	145	138	109	f
01/27/2010	0.64	0.90	0.62	0.66	0.45	0.57	0.62	116	135	107	f
01/28/2010	0.58	0.87	0.58	0.65	0.45	0.57	0.61	96	132	112	f
01/29/2010	0.52	0.83	0.54	0.62	0.45	0.56	0.63	79	124	74	f
01/30/2010	0.47	0.80	0.51	0.58	0.45	0.56	0.65	70	115	87	f
01/31/2010	0.48	0.77	0.48	0.55	0.45	0.56	0.66	62	106	74	f
02/01/2010	0.42	0.73	0.46	0.53	0.45	0.58	0.66	58	101	112	f
02/02/2010	0.37	0.71	0.44	0.51	0.45	0.57	0.67	49	95	116	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
01/04/2010	0.94	0.87	0.97	0.86	1.36	1.27	0.99	0.91
01/05/2010	0.96	0.88	0.97	0.86	1.42	1.28	0.98	0.92
01/06/2010	0.97	0.88	0.97	0.87	1.44	1.29	1.00	0.92
01/07/2010	0.96	0.89	0.97	0.87	1.45	1.30	1.02	0.93
01/08/2010	0.97	0.90	0.98	0.88	1.45	1.31	1.03	0.94
01/09/2010	0.96	0.90	0.98	0.89	1.44	1.32	1.02	0.94
01/10/2010	0.96	0.90	0.98	0.89	1.42	1.33	1.03	0.95
01/11/2010	0.99	0.91	0.99	0.90	1.37	1.33	1.04	0.96
01/12/2010	0.95	0.92	0.99	0.90	1.33	1.33	1.04	0.96
01/13/2010	0.98	0.92	0.98	0.91	1.49	1.35	1.03	0.97
01/14/2010	0.93	0.92	1.00	0.92	1.36	1.35	1.02	0.97
01/15/2010	0.89	0.93	1.00	0.92	1.23	1.35	1.02	0.98
01/16/2010	0.88	0.93	1.00	0.93	1.26	1.36	0.96	0.98
01/17/2010	0.86	0.93	1.00	0.93	1.35	1.36	0.94	0.98
01/18/2010	0.89	0.93	0.98	0.94	1.25	1.36	0.92	0.98
01/19/2010	0.82	0.93	0.99	0.95	1.27	1.36	0.92	0.98
01/20/2010	0.78	0.92	0.96	0.95	1.28	1.36	0.91	0.98
01/21/2010	0.59	0.92	0.90	0.95	1.08	1.35	0.83	0.98
01/22/2010	0.49	0.90	0.73	0.95	0.90	1.35	0.62	0.97
01/23/2010	0.47	0.89	0.51	0.93	0.85	1.33	0.53	0.96
01/24/2010	0.44	0.87	0.50	0.92	0.65	1.30	0.48	0.94
01/25/2010	0.48	0.86	0.46	0.91	0.61	1.27	0.48	0.92
01/26/2010	0.53	0.84	0.49	0.89	0.60	1.24	0.52	0.91
01/27/2010	0.62	0.83	0.53	0.88	0.62	1.21	0.57	0.89
01/28/2010	0.69	0.82	0.59	0.87	0.62	1.19	0.66	0.88
01/29/2010	0.75	0.82	0.65	0.86	0.76	1.17	0.73	0.88
01/30/2010	0.80	0.81	0.70	0.85	0.82	1.15	0.78	0.87
01/31/2010	0.85	0.81	0.74	0.85	0.79	1.14	0.83	0.86
02/01/2010	0.89	0.81	0.79	0.84	0.98	1.13	0.89	0.86
02/02/2010	0.93	0.81	0.84	0.84	1.01	1.12	0.93	0.86

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Monday, February 15, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	16 %
Vernalis Base Flow : Monthly average *	>= 2280	2,336 cfs
7 Day average *	>= 1824	2,789 cfs
Habitat Protection, X2 / Flow	28 days at Chipps Island	15 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	46 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	75 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.7 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.8 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.0 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.8 mS/cm
SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, February 1, 2010)

Previous Month's Index (8RI for Jan ) : 2.45 MAF  
 Water Year Type: Below Normal  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.5 MAF (Below Normal)  
 San Joaquin valley water year type index (60/20/20) @ 75% : 2.6 MAF (Below Normal)

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 #xxx: where # is number of gates operating and xxx is one of the following  
 FTF - full tide operation  
 OPN - open always  
 FTP - full tide partial operation  
 CLO - closed always  
 1C/2O - 1 gate closed always; 2 gates operating  
 1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
 1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = OMR concerns  
 r = E/I ratio concerns  
 \* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
01/17/2010	6.27	4.41	14,610	24.50	14.00	13.19	9.16	8.71	9.57	5.00	5.78
01/18/2010	6.86	5.01	13,709	26.34	12.96	12.90	10.56	10.19	9.60	5.33	5.70
01/19/2010	6.58	5.31	13,827	26.10	11.55	13.00	10.16	9.77	9.64	4.59	5.62
01/20/2010	6.62	5.38	21,298	23.44	13.13	13.25	8.65	8.18	9.59	3.26	5.49
01/21/2010	6.87	5.20	37,848	18.23	12.11	12.90	5.46	4.92	9.36	2.11	5.30
01/22/2010	7.02	5.13	51,054	16.09	9.04	12.34	3.43	2.94	8.94	1.06	5.00
01/23/2010	6.60	4.52	54,619	11.56	4.51	11.44	1.45	1.13	8.37	0.48	4.63
01/24/2010	6.34	4.29	64,715	8.82	2.40	10.85	0.84	0.62	7.73	0.30	4.26
01/25/2010	6.65	4.74	62,825	8.31	2.35	10.17	0.64	0.46	7.05	0.25	3.90
01/26/2010	6.98	4.98	58,233	9.46	2.13	9.36	0.55	0.39	6.22	0.23	3.42
01/27/2010	7.21	4.95	51,793	6.81	2.54	8.62	0.47	0.33	5.35	0.24	2.87
01/28/2010	7.13	4.85	46,739	5.37	1.02	7.83	0.44	0.30	4.67	0.23	2.41
01/29/2010	7.19	4.84	52,799	4.22	0.79	7.11	0.40	0.28	4.06	0.20	2.04
01/30/2010	7.12	4.86	54,792	3.80	0.61	6.37	0.38	0.26	3.46	0.19	1.68
01/31/2010	6.78	4.71	48,309	3.40	0.52	5.41	0.35	0.23	2.86	0.18	1.33
02/01/2010	6.41	4.61	38,500	2.71	0.46	4.51	0.33	0.22	2.14	0.20	0.97
02/02/2010	6.13	4.53	33,401	2.79	0.45	3.72	0.31	0.21	1.46	0.20	0.65
02/03/2010	6.39	4.53	30,051	3.49	0.47	2.81	0.31	0.21	0.89	0.22	0.44
02/04/2010	6.46	4.49	26,993	4.74	0.53	1.99	0.30	0.20	0.56	0.23	0.30
02/05/2010	6.80	4.78	26,741	5.90	1.24	1.43	0.30	0.20	0.36	0.23	0.24
02/06/2010	6.82	4.80	28,196	6.07	1.38	1.21	0.29	0.19	0.29	0.24	0.22
02/07/2010	6.43	4.52	29,230	4.75	0.77	1.09	0.29	0.19	0.26	0.24	0.22
02/08/2010	6.34	4.47	34,810	3.81	0.57	0.96	0.29	0.19	0.24	0.25	0.22
02/09/2010	6.53	4.63	37,199	6.73	0.74	0.86	0.29	0.19	0.23	0.25	0.22
02/10/2010	6.29	4.47	40,843	5.43	0.81	0.74	0.29	0.19	0.22	0.24	0.22
02/11/2010	6.13	4.24	39,186	4.37	0.53	0.71	0.29	0.19	0.21	0.23	0.22
02/12/2010	6.03	4.22	36,913	4.15	0.47	0.68	0.27	0.18	0.20	0.22	0.22
02/13/2010	5.86	4.09	33,956	4.16	0.46	0.67	0.27	0.18	0.20	0.22	0.23
02/14/2010	5.68	3.99	30,833	4.13	0.45	0.67	0.27	0.18	0.19	0.23	0.23
02/15/2010	5.54	3.98	26,813	4.28	0.44	0.67	0.27	0.17	0.19	0.24	0.23

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

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BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
01/17/2010	3.57	4.03	1.43	1.49	0.84	1.33	0.73	15.67	13.09	13.30	12.66	6.06
01/18/2010	4.28	4.05	1.66	1.50	1.15	1.31	0.74	15.18	13.25	13.72	13.55	6.91
01/19/2010	4.76	4.12	1.71	1.53	0.89	1.30	0.30	15.01	6.30	13.10	13.03	4.70
01/20/2010	4.34	4.18	1.51	1.54	0.54	1.26	0.19	13.36	3.22	11.04	12.74	3.88
01/21/2010	3.25	4.17	1.24	1.54	0.30	1.21	0.21	10.91	0.70	9.29	11.86	2.50
01/22/2010	2.05	4.06	1.06	1.51	0.31	1.15	0.22	9.93	0.84	7.34	10.86	1.52
01/23/2010	1.29	3.88	0.79	1.47	0.29	1.09	0.32	9.99	1.75	5.85	9.89	0.63
01/24/2010	1.09	3.67	0.64	1.40	0.32	1.01	0.37	10.29	3.23	5.70	9.00	0.36
01/25/2010	0.99	3.44	0.58	1.34	0.27	0.92	0.37	10.00	3.36	5.61	7.03	0.26
01/26/2010	0.67	3.11	0.55	1.24	0.22	0.76	0.27	8.04	1.79	5.42	5.79	0.20
01/27/2010	0.58	2.76	0.48	1.14	0.23	0.62	0.35	6.20	2.64	4.80	5.78	0.24
01/28/2010	0.52	2.49	0.43	1.06	0.23	0.54	0.47	6.44	3.15	4.87	5.03	0.23
01/29/2010	0.47	2.25	0.40	0.99	0.22	0.48	0.57	5.18	3.59	4.50	4.47	0.20
01/30/2010	0.44	2.02	0.37	0.92	0.19	0.43	0.67	3.83	3.68	3.98	4.28	0.19
01/31/2010	0.41	1.80	0.35	0.84	0.18	0.38	0.73	4.15	3.65	3.89	4.34	0.18
02/01/2010	0.40	1.52	0.33	0.75	0.18	0.31	0.77	4.08	3.79	3.82	4.41	0.20
02/02/2010	0.37	1.21	0.31	0.65	0.19	0.26	0.82	4.24	4.13	3.55	4.29	0.20
02/03/2010	0.35	0.92	0.30	0.56	0.20	0.24	0.86	4.37	4.03	3.64	3.98	0.21
02/04/2010	0.34	0.71	0.30	0.49	0.21	0.23	0.88	4.85	3.75	3.30	3.87	0.23
02/05/2010	0.33	0.59	0.31	0.44	0.22	0.22	0.45	5.82	3.78	3.16	3.49	0.23
02/06/2010	0.33	0.52	0.30	0.40	0.23	0.22	0.41	6.79	2.24	3.10	3.18	0.24
02/07/2010	0.32	0.47	0.30	0.38	0.24	0.21	0.41	8.65	2.65	3.38	3.65	0.25
02/08/2010	0.32	0.42	0.30	0.36	0.23	0.21	0.55	9.35	3.99	3.46	3.24	0.25
02/09/2010	0.32	0.39	0.29	0.34	0.23	0.21	0.66	8.34	4.15	3.37	2.95	0.25
02/10/2010	0.31	0.37	0.28	0.33	0.20	0.21	0.72	9.27	4.10	3.44	3.35	0.24
02/11/2010	0.31	0.36	0.27	0.32	0.19	0.21	0.71	9.41	4.20	3.41	3.38	0.23
02/12/2010	0.30	0.35	0.27	0.31	0.19	0.21	0.77	8.17	3.99	3.34	3.41	0.22
02/13/2010	0.29	0.34	0.26	0.30	0.20	0.21	0.83	7.30	3.91	3.30	3.41	0.22
02/14/2010	0.29	0.33	0.26	0.29	0.20	0.21	0.89	7.31	3.94	3.44	3.31	0.23
02/15/2010	0.28	0.32	0.26	0.29	0.21	0.21	0.91	7.04	3.82	3.28	3.31	0.23

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 mht : mean high tides  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Delta Water Quality Conditions

Date	Tracy										Delta Status
	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	
01/17/2010	1.05	1.15	0.83	0.78	0.50	0.67	0.84	1,069	166	99	s
01/18/2010	1.04	1.18	0.82	0.78	0.49	0.68	0.86	1,293	167	97	s
01/19/2010	1.06	1.22	0.78	0.77	0.49	0.65	0.80	1,446	164	82	s
01/20/2010	1.04	1.22	0.74	0.75	0.48	0.69	0.83	1,314	158	95	f
01/21/2010	0.98	1.15	0.74	0.73	0.47	0.70	0.78	964	153	73	f
01/22/2010	0.95	1.04	0.74	0.72	0.46	0.69	0.81	584	150	75	f
01/23/2010	0.93	0.99	0.72	0.71	0.46	0.67	0.79	341	148	75	f
01/24/2010	0.88	0.95	0.71	0.71	0.39	0.60	0.70	278	147	71	f
01/25/2010	0.78	0.94	0.67	0.69	0.40	0.59	0.63	244	143	64	f
01/26/2010	0.70	0.92	0.65	0.67	0.46	0.58	0.61	145	138	109	f
01/27/2010	0.64	0.90	0.62	0.66	0.45	0.57	0.62	116	135	107	f
01/28/2010	0.58	0.87	0.58	0.65	0.45	0.57	0.61	96	132	112	f
01/29/2010	0.52	0.83	0.54	0.62	0.45	0.56	0.63	79	124	74	f
01/30/2010	0.47	0.80	0.51	0.58	0.45	0.56	0.65	70	115	87	f
01/31/2010	0.48	0.77	0.48	0.55	0.45	0.56	0.66	62	106	74	f
02/01/2010	0.42	0.73	0.46	0.53	0.45	0.58	0.66	58	101	112	f
02/02/2010	0.37	0.71	0.44	0.51	0.45	0.57	0.67	49	95	116	f
02/03/2010	0.35	0.68	0.41	0.48	0.45	0.59	0.67	43	87	95	f
02/04/2010	0.33	0.66	0.39	0.45	0.38	0.57	0.68	38	79	95	f
02/05/2010	0.32	0.63	0.38	0.42	0.40	0.52	0.64	36	72	77	f
02/06/2010	0.32	0.61	0.37	0.41	0.45	0.49	0.67	34	68	72	f
02/07/2010	0.34	0.59	0.36	0.40	0.43	0.45	0.66	33	65	72	f
02/08/2010	0.35	0.58	0.35	0.38	0.44	0.44	0.65	32	62	72	f
02/09/2010	0.33	0.56	0.34	0.38	0.44	0.45	0.63	30	60	97	f
02/10/2010	0.33	0.54	0.33	0.36	0.44	0.44	0.66	30	56	74	f
02/11/2010	0.32	0.52	0.32	0.35	0.44	0.44	0.62	28	54	72	f
02/12/2010	0.31	0.51	0.32	0.35	0.44	0.45	0.60	25	52	73	f
02/13/2010	0.32	0.49	0.31	0.34	0.44	0.42	0.58	24	51	75	f
02/14/2010	0.30	0.48	0.31	0.34	0.44	0.42	0.59	22	51	75	f
02/15/2010	0.30	0.47	0.31	0.34	0.44	0.42	0.57	21	49	75	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
01/17/2010	0.86	0.93	1.00	0.93	1.35	1.36	0.94	0.98
01/18/2010	0.89	0.93	0.98	0.94	1.25	1.36	0.92	0.98
01/19/2010	0.82	0.93	0.99	0.95	1.27	1.36	0.92	0.98
01/20/2010	0.78	0.92	0.96	0.95	1.28	1.36	0.91	0.98
01/21/2010	0.59	0.92	0.90	0.95	1.08	1.35	0.83	0.98
01/22/2010	0.49	0.90	0.73	0.95	0.90	1.35	0.62	0.97
01/23/2010	0.47	0.89	0.51	0.93	0.85	1.33	0.53	0.96
01/24/2010	0.44	0.87	0.50	0.92	0.65	1.30	0.48	0.94
01/25/2010	0.48	0.86	0.46	0.91	0.61	1.27	0.48	0.92
01/26/2010	0.53	0.84	0.49	0.89	0.60	1.24	0.52	0.91
01/27/2010	0.62	0.83	0.53	0.88	0.62	1.21	0.57	0.89
01/28/2010	0.69	0.82	0.59	0.87	0.62	1.19	0.66	0.88
01/29/2010	0.75	0.82	0.65	0.86	0.76	1.17	0.73	0.88
01/30/2010	0.80	0.81	0.70	0.85	0.82	1.15	0.78	0.87
01/31/2010	0.85	0.81	0.74	0.85	0.79	1.14	0.83	0.86
02/01/2010	0.89	0.81	0.79	0.84	0.98	1.13	0.89	0.86
02/02/2010	0.93	0.81	0.84	0.84	1.01	1.12	0.93	0.86
02/03/2010	0.92	0.81	0.87	0.84	1.11	1.11	0.97	0.86
02/04/2010	0.88	0.80	0.91	0.83	1.09	1.10	0.99	0.86
02/05/2010	0.88	0.80	0.94	0.83	1.15	1.09	0.94	0.86
02/06/2010	0.89	0.80	0.94	0.83	1.09	1.07	0.94	0.85
02/07/2010	0.92	0.80	0.92	0.83	0.97	1.06	0.94	0.85
02/08/2010	0.90	0.80	0.92	0.83	1.04	1.04	0.94	0.85
02/09/2010	0.72	0.79	0.93	0.82	1.06	1.03	0.98	0.85
02/10/2010	0.68	0.78	0.92	0.82	1.16	1.03	0.77	0.84
02/11/2010	0.66	0.77	0.75	0.81	1.02	1.02	0.73	0.83
02/12/2010	0.66	0.76	0.69	0.80	0.88	1.00	0.71	0.81
02/13/2010	0.60	0.75	0.69	0.79	0.94	0.98	0.71	0.80
02/14/2010	0.60	0.74	0.67	0.78	0.89	0.97	0.65	0.79
02/15/2010	0.67	0.73	0.62	0.77	0.94	0.96	0.65	0.78

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
 Sunday, February 28, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	22 %
Vernalis Base Flow : Monthly average *	>= 2280	2,533 cfs
7 Day average *	>= 1824	3,029 cfs
Habitat Protection, X2 / Flow	28 days at Chipps Island	28 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	59 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	92 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.8 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.8 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.0 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.8 mS/cm
SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, February 1, 2010)

Previous Month's Index (8RI for Jan ) : 2.45 MAF

Water Year Type: Below Normal

Sacramento valley water year type index (40/30/30) @ 50% : 6.5 MAF (Below Normal)

San Joaquin valley water year type index (60/20/20) @ 75% : 2.6 MAF (Below Normal)

Electrical Conductivity (EC) in milliSiemens per Centimeter.

Chlorides (Cl) in milligrams per liter

mht - mean high tides

md - mean daily

14 dm - fourteen day running mean

28 dm - twenty-eight day running mean

NR - No Record

NC - Average not computed due to insufficient data.

BR : Below Rating

e - estimated value

Montezuma Slough Gate Operation:

#xxx: where # is number of gates operating and xxx is one of the following

FTF - full tide operation

OPN - open always

FTP - full tide partial operation

CLO - closed always

1C/2O - 1 gate closed always;

2 gates operating

1C/1F/1O - 1 gate closed; 1 full tide;

1 open

1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:

c = excess Delta conditions

b = balanced Delta cond. w/ no storage withdrawal

s = balanced Delta cond. w/ storage withdrawal

Excess Delta conditions with restrictions:

f = OMR concerns

r = E/I ratio concerns

\* NDOI, Rio Vista & Vernalis Flows:

- Monthly average is progressive daily mean.

- 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
01/30/2010	7.12	4.86	54,792	3.80	0.61	6.37	0.38	0.26	3.46	0.19	1.68
01/31/2010	6.78	4.71	48,309	3.40	0.52	5.41	0.35	0.23	2.86	0.18	1.33
02/01/2010	6.41	4.61	38,500	2.71	0.46	4.51	0.33	0.22	2.14	0.20	0.97
02/02/2010	6.13	4.53	33,401	2.79	0.45	3.72	0.31	0.21	1.46	0.20	0.65
02/03/2010	6.39	4.53	30,051	3.49	0.47	2.81	0.31	0.21	0.89	0.22	0.44
02/04/2010	6.46	4.49	26,993	4.74	0.53	1.99	0.30	0.20	0.56	0.23	0.30
02/05/2010	6.80	4.78	26,741	5.90	1.24	1.43	0.30	0.20	0.36	0.23	0.24
02/06/2010	6.82	4.80	28,196	6.07	1.38	1.21	0.29	0.19	0.29	0.24	0.22
02/07/2010	6.43	4.52	29,230	4.75	0.77	1.09	0.29	0.19	0.26	0.24	0.22
02/08/2010	6.34	4.47	34,810	3.81	0.57	0.96	0.29	0.19	0.24	0.25	0.22
02/09/2010	6.53	4.63	37,199	6.73	0.74	0.86	0.29	0.19	0.23	0.25	0.22
02/10/2010	6.29	4.47	40,843	5.43	0.81	0.74	0.29	0.19	0.22	0.24	0.22
02/11/2010	6.13	4.24	39,186	4.37	0.53	0.71	0.29	0.19	0.21	0.23	0.22
02/12/2010	6.03	4.22	36,913	4.15	0.47	0.68	0.27	0.18	0.20	0.22	0.22
02/13/2010	5.86	4.09	33,956	4.16	0.46	0.67	0.27	0.18	0.20	0.22	0.23
02/14/2010	5.68	3.99	30,833	4.13	0.45	0.67	0.27	0.18	0.19	0.23	0.23
02/15/2010	5.54	3.98	26,813	4.28	0.44	0.67	0.27	0.17	0.19	0.24	0.23
02/16/2010	5.33	3.97	24,967	4.93	0.50	0.67	0.27	0.18	0.19	0.25	0.24
02/17/2010	5.50	4.03	23,235	6.19	0.90	0.70	0.27	0.18	0.19	0.25	0.24
02/18/2010	5.77	4.28	21,331	7.38	1.79	0.79	0.28	0.19	0.19	0.26	0.24
02/19/2010	6.17	4.44	18,964	8.89	2.46	0.88	0.32	0.21	0.19	0.26	0.24
02/20/2010	6.27	4.55	17,500	9.70	3.16	1.00	0.45	0.31	0.20	0.27	0.24
02/21/2010	6.46	4.46	16,147	10.74	3.53	1.20	0.53	0.38	0.21	0.28	0.25
02/22/2010	6.16	4.28	16,832	9.74	2.80	1.36	0.45	0.31	0.22	0.28	0.25
02/23/2010	6.13	4.35	16,718	12.23	4.00	1.59	0.63	0.45	0.24	0.29	0.25
02/24/2010	6.79	4.76	22,094	14.09	7.04	2.04	1.46	1.15	0.30	0.34	0.26
02/25/2010	6.51	4.39	23,385	13.42	6.40	2.46	1.41	1.10	0.37	0.37	0.27
02/26/2010	6.84	4.64	24,841	14.43	6.92	2.92	1.90	1.53	0.47	0.36	0.28
02/27/2010	7.08	4.95	30,158	13.47	6.04	3.32	1.58	1.25	0.54	0.42	0.29
02/28/2010	6.62	4.69	35,252	11.32	4.66	3.62	0.97	0.73	0.58	0.32	0.30

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
01/30/2010	0.44	2.02	0.37	0.92	0.19	0.43	0.67	3.83	3.68	3.98	4.28	0.19
01/31/2010	0.41	1.80	0.35	0.84	0.18	0.38	0.73	4.15	3.65	3.89	4.34	0.18
02/01/2010	0.40	1.52	0.33	0.75	0.18	0.31	0.77	4.08	3.79	3.82	4.41	0.20
02/02/2010	0.37	1.21	0.31	0.65	0.19	0.26	0.82	4.24	4.13	3.55	4.29	0.20
02/03/2010	0.35	0.92	0.30	0.56	0.20	0.24	0.86	4.37	4.03	3.64	3.98	0.21
02/04/2010	0.34	0.71	0.30	0.49	0.21	0.23	0.88	4.85	3.75	3.30	3.87	0.23
02/05/2010	0.33	0.59	0.31	0.44	0.22	0.22	0.45	5.82	3.78	3.16	3.49	0.23
02/06/2010	0.33	0.52	0.30	0.40	0.23	0.22	0.41	6.79	2.24	3.10	3.18	0.24
02/07/2010	0.32	0.47	0.30	0.38	0.24	0.21	0.41	8.65	2.65	3.38	3.65	0.25
02/08/2010	0.32	0.42	0.30	0.36	0.23	0.21	0.55	9.35	3.99	3.46	3.24	0.25
02/09/2010	0.32	0.39	0.29	0.34	0.23	0.21	0.66	8.34	4.15	3.37	2.95	0.25
02/10/2010	0.31	0.37	0.28	0.33	0.20	0.21	0.72	9.27	4.10	3.44	3.35	0.24
02/11/2010	0.31	0.36	0.27	0.32	0.19	0.21	0.71	9.41	4.20	3.41	3.38	0.23
02/12/2010	0.30	0.35	0.27	0.31	0.19	0.21	0.77	8.17	3.99	3.34	3.41	0.22
02/13/2010	0.29	0.34	0.26	0.30	0.20	0.21	0.83	7.30	3.91	3.30	3.41	0.22
02/14/2010	0.29	0.33	0.26	0.29	0.20	0.21	0.89	7.31	3.94	3.44	3.31	0.23
02/15/2010	0.28	0.32	0.26	0.29	0.21	0.21	0.91	7.04	3.82	3.28	3.31	0.23
02/16/2010	0.28	0.31	0.26	0.28	0.22	0.21	0.94	6.91	3.87	3.16	3.31	0.24
02/17/2010	0.28	0.31	0.26	0.28	0.23	0.21	0.97	6.75	3.84	3.13	3.34	0.25
02/18/2010	0.28	0.30	0.26	0.28	0.23	0.22	0.98	4.91	3.68	2.92	3.22	0.26
02/19/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.96	4.15	3.44	2.95	3.12	0.26
02/20/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.97	5.10	3.43	2.82	2.95	0.27
02/21/2010	0.29	0.30	0.27	0.27	0.25	0.22	0.95	6.33	3.47	2.92	2.85	0.28
02/22/2010	0.29	0.29	0.27	0.27	0.25	0.22	0.95	8.40	3.66	3.25	3.16	0.28
02/23/2010	0.29	0.29	0.26	0.26	0.26	0.22	0.93	7.19	3.41	3.20	3.24	0.29
02/24/2010	0.32	0.29	0.28	0.26	0.27	0.23	0.37	5.55	1.89	3.17	3.07	0.47
02/25/2010	0.34	0.29	0.27	0.26	0.27	0.23	0.36	5.59	3.80	3.37	3.29	0.45
02/26/2010	0.38	0.30	0.28	0.26	0.27	0.24	0.56	3.46	3.94	3.71	3.46	0.44
02/27/2010	0.39	0.31	0.28	0.27	0.27	0.24	0.41	4.21	2.33	3.67	3.49	0.52
02/28/2010	0.36	0.31	0.28	0.27	0.26	0.25	0.39	4.64	3.72	3.64	3.52	0.34

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 mht : mean high tides  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
01/30/2010	0.47	0.80	0.51	0.58	0.45	0.56	0.65	70	115	87	f
01/31/2010	0.48	0.77	0.48	0.55	0.45	0.56	0.66	62	106	74	f
02/01/2010	0.42	0.73	0.46	0.53	0.45	0.58	0.66	58	101	112	f
02/02/2010	0.37	0.71	0.44	0.51	0.45	0.57	0.67	49	95	116	f
02/03/2010	0.35	0.68	0.41	0.48	0.45	0.59	0.67	43	87	95	f
02/04/2010	0.33	0.66	0.39	0.45	0.38	0.57	0.68	38	79	95	f
02/05/2010	0.32	0.63	0.38	0.42	0.40	0.52	0.64	36	72	77	f
02/06/2010	0.32	0.61	0.37	0.41	0.45	0.49	0.67	34	68	72	f
02/07/2010	0.34	0.59	0.36	0.40	0.43	0.45	0.66	33	65	72	f
02/08/2010	0.35	0.58	0.35	0.38	0.44	0.44	0.65	32	62	72	f
02/09/2010	0.33	0.56	0.34	0.38	0.44	0.45	0.63	30	60	97	f
02/10/2010	0.33	0.54	0.33	0.36	0.44	0.44	0.66	30	56	74	f
02/11/2010	0.32	0.52	0.32	0.35	0.44	0.44	0.62	28	54	72	f
02/12/2010	0.31	0.51	0.32	0.35	0.44	0.45	0.60	25	52	73	f
02/13/2010	0.32	0.49	0.31	0.34	0.44	0.42	0.58	24	51	75	f
02/14/2010	0.30	0.48	0.31	0.34	0.44	0.42	0.59	22	51	75	f
02/15/2010	0.30	0.47	0.31	0.34	0.44	0.42	0.57	21	49	75	f
02/16/2010	0.30	0.47	0.31	0.33	0.44	0.44	0.55	20	49	80	f
02/17/2010	0.30	0.46	0.30	0.33	0.44	0.45	0.57	21	47	79	f
02/18/2010	0.31	0.45	0.30	0.33	0.44	0.46	0.55	20	47	79	f
02/19/2010	0.30	0.44	0.29	0.32	0.44	0.47	0.54	20	46	73	f
02/20/2010	0.30	0.43	0.29	0.31	0.44	0.51	0.55	21	42	67	f
02/21/2010	0.29	0.41	0.29	0.31	0.43	0.44	0.56	21	42	75	f
02/22/2010	0.28	0.41	0.29	0.31	0.44	0.41	0.58	22	42	79	f
02/23/2010	0.28	0.41	0.29	0.30	0.44	0.38	0.59	23	41	81	f
02/24/2010	0.28	0.38	0.30	0.31	0.44	0.41	0.54	32	42	82	f
02/25/2010	0.28	0.40	0.30	0.31	0.44	0.43	0.58	37	42	83	f
02/26/2010	0.28	0.39	0.30	0.31	0.44	0.45	0.58	50	43	84	f
02/27/2010	0.29	0.40	0.30	0.31	0.44	0.42	0.55	55	42	96	f
02/28/2010	0.29	0.40	0.30	0.31	0.44	0.43	0.56	46	43	92	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
01/30/2010	0.80	0.81	0.70	0.85	0.82	1.15	0.78	0.87
01/31/2010	0.85	0.81	0.74	0.85	0.79	1.14	0.83	0.86
02/01/2010	0.89	0.81	0.79	0.84	0.98	1.13	0.89	0.86
02/02/2010	0.93	0.81	0.84	0.84	1.01	1.12	0.93	0.86
02/03/2010	0.92	0.81	0.87	0.84	1.11	1.11	0.97	0.86
02/04/2010	0.88	0.80	0.91	0.83	1.09	1.10	0.99	0.86
02/05/2010	0.88	0.80	0.94	0.83	1.15	1.09	0.94	0.86
02/06/2010	0.89	0.80	0.94	0.83	1.09	1.07	0.94	0.85
02/07/2010	0.92	0.80	0.92	0.83	0.97	1.06	0.94	0.85
02/08/2010	0.90	0.80	0.92	0.83	1.04	1.04	0.94	0.85
02/09/2010	0.72	0.79	0.93	0.82	1.06	1.03	0.98	0.85
02/10/2010	0.68	0.78	0.92	0.82	1.16	1.03	0.77	0.84
02/11/2010	0.66	0.77	0.75	0.81	1.02	1.02	0.73	0.83
02/12/2010	0.66	0.76	0.69	0.80	0.88	1.00	0.71	0.81
02/13/2010	0.60	0.75	0.69	0.79	0.94	0.98	0.71	0.80
02/14/2010	0.60	0.74	0.67	0.78	0.89	0.97	0.65	0.79
02/15/2010	0.67	0.73	0.62	0.77	0.94	0.96	0.65	0.78
02/16/2010	0.72	0.72	0.65	0.76	1.00	0.95	0.67	0.78
02/17/2010	0.75	0.72	0.70	0.75	1.00	0.94	0.77	0.77
02/18/2010	0.76	0.72	0.74	0.74	0.96	0.93	0.79	0.77
02/19/2010	0.77	0.72	0.76	0.73	0.92	0.92	0.80	0.76
02/20/2010	0.78	0.72	0.78	0.73	0.95	0.91	0.81	0.76
02/21/2010	0.81	0.73	0.79	0.73	0.84	0.91	0.82	0.77
02/22/2010	0.80	0.74	0.80	0.74	0.86	0.91	0.84	0.78
02/23/2010	0.78	0.76	0.82	0.75	0.97	0.92	0.85	0.79
02/24/2010	0.76	0.77	0.81	0.76	0.95	0.93	0.81	0.80
02/25/2010	0.70	0.77	0.79	0.77	1.03	0.95	0.80	0.81
02/26/2010	0.61	0.77	0.74	0.78	0.95	0.96	0.74	0.82
02/27/2010	0.64	0.77	0.69	0.79	0.81	0.96	0.64	0.82
02/28/2010	0.63	0.76	0.64	0.78	0.77	0.96	0.68	0.82

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Thursday, March 04, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	22 %
Vernalis Base Flow : Monthly average *	>= 2280	4,152 cfs
7 Day average *	>= 1824	4,152 cfs
Habitat Protection, X2 / Flow	31 days at Chipps Island	4 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	63 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	81 mg/l
 Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.7 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.8 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	0.9 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.8 mS/cm
 SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, February 1, 2010)

Previous Month's Index (8RI for Jan ) : 2.45 MAF

Water Year Type: Below Normal

Sacramento valley water year type index (40/30/30) @ 50% : 6.5 MAF (Below Normal)

San Joaquin valley water year type index (60/20/20) @ 75% : 2.6 MAF (Below Normal)

Electrical Conductivity (EC) in millisiemens per Centimeter.  
Chlorides (Cl) in milligrams per liter  
mht - mean high tides  
md - mean daily  
14 dm - fourteen day running mean  
28 dm - twenty-eight day running mean  
NR - No Record  
NC - Average not computed due to insufficient data.  
BR : Below Rating  
e - estimated value

Montezuma Slough Gate Operation:  
#xxx: where # is number of gates operating and xxx is one of the following  
FTF - full tide operation  
OPN - open always  
FTP - full tide partial operation  
CLO - closed always  
1C/2O - 1 gate closed always; 2 gates operating  
1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
c = excess Delta conditions  
b = balanced Delta cond. w/ no storage withdrawal  
s = balanced Delta cond. w/ storage withdrawal  
Excess Delta conditions with restrictions:  
f = OMR concerns  
r = E/I ratio concerns  
  
\* NDOI, Rio Vista & Vernalis Flows:  
- Monthly average is progressive daily mean.  
- 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	Hlgh	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
02/03/2010	6.39	4.53	30,051	3.49	0.47	2.81	0.31	0.21	0.89	0.22	0.44
02/04/2010	6.46	4.49	26,993	4.74	0.53	1.99	0.30	0.20	0.56	0.23	0.30
02/05/2010	6.80	4.78	26,741	5.90	1.24	1.43	0.30	0.20	0.36	0.23	0.24
02/06/2010	6.82	4.80	28,196	6.07	1.38	1.21	0.29	0.19	0.29	0.24	0.22
02/07/2010	6.43	4.52	29,230	4.75	0.77	1.09	0.29	0.19	0.26	0.24	0.22
02/08/2010	6.34	4.47	34,810	3.81	0.57	0.96	0.29	0.19	0.24	0.25	0.22
02/09/2010	6.53	4.63	37,199	6.73	0.74	0.86	0.29	0.19	0.23	0.25	0.22
02/10/2010	6.29	4.47	40,843	5.43	0.81	0.74	0.29	0.19	0.22	0.24	0.22
02/11/2010	6.13	4.24	39,186	4.37	0.53	0.71	0.29	0.19	0.21	0.23	0.22
02/12/2010	6.03	4.22	36,913	4.15	0.47	0.68	0.27	0.18	0.20	0.22	0.22
02/13/2010	5.86	4.09	33,956	4.16	0.46	0.67	0.27	0.18	0.20	0.22	0.23
02/14/2010	5.68	3.99	30,833	4.13	0.45	0.67	0.27	0.18	0.19	0.23	0.23
02/15/2010	5.54	3.98	26,813	4.28	0.44	0.67	0.27	0.17	0.19	0.24	0.23
02/16/2010	5.33	3.97	24,967	4.93	0.50	0.67	0.27	0.18	0.19	0.25	0.24
02/17/2010	5.50	4.03	23,235	6.19	0.90	0.70	0.27	0.18	0.19	0.25	0.24
02/18/2010	5.77	4.28	21,331	7.38	1.79	0.79	0.28	0.19	0.19	0.26	0.24
02/19/2010	6.17	4.44	18,964	8.89	2.46	0.88	0.32	0.21	0.19	0.26	0.24
02/20/2010	6.27	4.55	17,500	9.70	3.16	1.00	0.45	0.31	0.20	0.27	0.24
02/21/2010	6.46	4.46	16,147	10.74	3.53	1.20	0.53	0.38	0.21	0.28	0.25
02/22/2010	6.16	4.28	16,832	9.74	2.80	1.36	0.45	0.31	0.22	0.28	0.25
02/23/2010	6.13	4.35	16,718	12.23	4.00	1.59	0.63	0.45	0.24	0.29	0.25
02/24/2010	6.79	4.76	22,094	14.09	7.04	2.04	1.46	1.15	0.30	0.34	0.26
02/25/2010	6.51	4.39	23,385	13.42	6.40	2.46	1.41	1.10	0.37	0.37	0.27
02/26/2010	6.84	4.64	24,841	14.43	6.92	2.92	1.90	1.53	0.47	0.36	0.28
02/27/2010	7.08	4.95	30,158	13.47	6.04	3.32	1.58	1.25	0.54	0.42	0.29
02/28/2010	6.62	4.69	35,252	11.32	4.66	3.62	0.97	0.73	0.58	0.32	0.30
03/01/2010	6.20	4.50	29,239	8.62	3.05	3.80	0.62	0.44	0.60	0.28	0.30
03/02/2010	6.32	4.61	30,959	8.01	2.59	3.95	0.55	0.39	0.62	0.26	0.30
03/03/2010	6.58	4.71	29,591	7.09	2.05	4.03	0.49	0.34	0.63	0.25	0.30
03/04/2010	6.49	4.43	29,631	5.55	1.30	4.00	0.39	0.27	0.63	0.24	0.30

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
02/03/2010	0.35	0.92	0.30	0.56	0.20	0.24	0.86	4.37	4.03	3.64	3.98	0.21
02/04/2010	0.34	0.71	0.30	0.49	0.21	0.23	0.88	4.85	3.75	3.30	3.87	0.23
02/05/2010	0.33	0.59	0.31	0.44	0.22	0.22	0.45	5.82	3.78	3.16	3.49	0.23
02/06/2010	0.33	0.52	0.30	0.40	0.23	0.22	0.41	6.79	2.24	3.10	3.18	0.24
02/07/2010	0.32	0.47	0.30	0.38	0.24	0.21	0.41	8.65	2.65	3.38	3.65	0.25
02/08/2010	0.32	0.42	0.30	0.36	0.23	0.21	0.55	9.35	3.99	3.46	3.24	0.25
02/09/2010	0.32	0.39	0.29	0.34	0.23	0.21	0.66	8.34	4.15	3.37	2.95	0.25
02/10/2010	0.31	0.37	0.28	0.33	0.20	0.21	0.72	9.27	4.10	3.44	3.35	0.24
02/11/2010	0.31	0.36	0.27	0.32	0.19	0.21	0.71	9.41	4.20	3.41	3.38	0.23
02/12/2010	0.30	0.35	0.27	0.31	0.19	0.21	0.77	8.17	3.99	3.34	3.41	0.22
02/13/2010	0.29	0.34	0.26	0.30	0.20	0.21	0.83	7.30	3.91	3.30	3.41	0.22
02/14/2010	0.29	0.33	0.26	0.29	0.20	0.21	0.89	7.31	3.94	3.44	3.31	0.23
02/15/2010	0.28	0.32	0.26	0.29	0.21	0.21	0.91	7.04	3.82	3.28	3.31	0.23
02/16/2010	0.28	0.31	0.26	0.28	0.22	0.21	0.94	6.91	3.87	3.16	3.31	0.24
02/17/2010	0.28	0.31	0.26	0.28	0.23	0.21	0.97	6.75	3.84	3.13	3.34	0.25
02/18/2010	0.28	0.30	0.26	0.28	0.23	0.22	0.98	4.91	3.68	2.92	3.22	0.26
02/19/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.96	4.15	3.44	2.95	3.12	0.26
02/20/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.97	5.10	3.43	2.82	2.95	0.27
02/21/2010	0.29	0.30	0.27	0.27	0.25	0.22	0.95	6.33	3.47	2.92	2.85	0.28
02/22/2010	0.29	0.29	0.27	0.27	0.25	0.22	0.95	8.40	3.66	3.25	3.16	0.28
02/23/2010	0.29	0.29	0.26	0.26	0.26	0.22	0.93	7.19	3.41	3.20	3.24	0.29
02/24/2010	0.32	0.29	0.28	0.26	0.27	0.23	0.37	5.55	1.89	3.17	3.07	0.47
02/25/2010	0.34	0.29	0.27	0.26	0.27	0.23	0.36	5.59	3.80	3.37	3.29	0.45
02/26/2010	0.38	0.30	0.28	0.26	0.27	0.24	0.56	3.46	3.94	3.71	3.46	0.44
02/27/2010	0.39	0.31	0.28	0.27	0.27	0.24	0.41	4.21	2.33	3.67	3.49	0.52
02/28/2010	0.36	0.31	0.28	0.27	0.26	0.25	0.39	4.64	3.72	3.64	3.52	0.34
03/01/2010	0.34	0.32	0.28	0.27	0.24	0.25	0.54	4.47	3.76	3.66	3.58	0.28
03/02/2010	0.33	0.32	0.27	0.27	0.23	0.25	0.68	4.09	3.49	3.54	3.65	0.26
03/03/2010	0.32	0.32	0.27	0.27	0.22	0.25	0.54	4.06	2.02	3.38	3.58	0.26
03/04/2010	0.31	0.32	0.27	0.27	0.22	0.25	0.37	4.72	2.21	3.11	3.39	0.24

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 mht : mean high tides  
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 e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
02/03/2010	0.35	0.68	0.41	0.48	0.45	0.59	0.67	43	87	95	f
02/04/2010	0.33	0.66	0.39	0.45	0.38	0.57	0.68	38	79	95	f
02/05/2010	0.32	0.63	0.38	0.42	0.40	0.52	0.64	36	72	77	f
02/06/2010	0.32	0.61	0.37	0.41	0.45	0.49	0.67	34	68	72	f
02/07/2010	0.34	0.59	0.36	0.40	0.43	0.45	0.66	33	65	72	f
02/08/2010	0.35	0.58	0.35	0.38	0.44	0.44	0.65	32	62	72	f
02/09/2010	0.33	0.56	0.34	0.38	0.44	0.45	0.63	30	60	97	f
02/10/2010	0.33	0.54	0.33	0.36	0.44	0.44	0.66	30	56	74	f
02/11/2010	0.32	0.52	0.32	0.35	0.44	0.44	0.62	28	54	72	f
02/12/2010	0.31	0.51	0.32	0.35	0.44	0.45	0.60	25	52	73	f
02/13/2010	0.32	0.49	0.31	0.34	0.44	0.42	0.58	24	51	75	f
02/14/2010	0.30	0.48	0.31	0.34	0.44	0.42	0.59	22	51	75	f
02/15/2010	0.30	0.47	0.31	0.34	0.44	0.42	0.57	21	49	75	f
02/16/2010	0.30	0.47	0.31	0.33	0.44	0.44	0.55	20	49	80	f
02/17/2010	0.30	0.46	0.30	0.33	0.44	0.45	0.57	21	47	79	f
02/18/2010	0.31	0.45	0.30	0.33	0.44	0.46	0.55	20	47	79	f
02/19/2010	0.30	0.44	0.29	0.32	0.44	0.47	0.54	20	46	73	f
02/20/2010	0.30	0.43	0.29	0.31	0.44	0.51	0.55	21	42	67	f
02/21/2010	0.29	0.41	0.29	0.31	0.43	0.44	0.56	21	42	75	f
02/22/2010	0.28	0.41	0.29	0.31	0.44	0.41	0.58	22	42	79	f
02/23/2010	0.28	0.41	0.29	0.30	0.44	0.38	0.59	23	41	81	f
02/24/2010	0.28	0.38	0.30	0.31	0.44	0.41	0.54	32	42	82	f
02/25/2010	0.28	0.40	0.30	0.31	0.44	0.43	0.58	37	42	83	f
02/26/2010	0.28	0.39	0.30	0.31	0.44	0.45	0.58	50	43	84	f
02/27/2010	0.29	0.40	0.30	0.31	0.44	0.42	0.55	55	42	96	f
02/28/2010	0.29	0.40	0.30	0.31	0.44	0.43	0.56	46	43	92	f
03/01/2010	0.29	0.39	0.30	0.31	0.44	0.48	0.56	38	44	79	f
03/02/2010	0.28	0.39	0.30	0.32	0.44	0.48	0.53	34	44	84	f
03/03/2010	0.28	0.39	0.30	0.31	0.44	0.42	0.48	32	43	86	f
03/04/2010	0.28	0.40	0.30	0.31	0.44	0.44	0.51	28	44	81	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
02/03/2010	0.92	0.81	0.87	0.84	1.11	1.11	0.97	0.86
02/04/2010	0.88	0.80	0.91	0.83	1.09	1.10	0.99	0.86
02/05/2010	0.88	0.80	0.94	0.83	1.15	1.09	0.94	0.86
02/06/2010	0.89	0.80	0.94	0.83	1.09	1.07	0.94	0.85
02/07/2010	0.92	0.80	0.92	0.83	0.97	1.06	0.94	0.85
02/08/2010	0.90	0.80	0.92	0.83	1.04	1.04	0.94	0.85
02/09/2010	0.72	0.79	0.93	0.82	1.06	1.03	0.98	0.85
02/10/2010	0.68	0.78	0.92	0.82	1.16	1.03	0.77	0.84
02/11/2010	0.66	0.77	0.75	0.81	1.02	1.02	0.73	0.83
02/12/2010	0.66	0.76	0.69	0.80	0.88	1.00	0.71	0.81
02/13/2010	0.60	0.75	0.69	0.79	0.94	0.98	0.71	0.80
02/14/2010	0.60	0.74	0.67	0.78	0.89	0.97	0.65	0.79
02/15/2010	0.67	0.73	0.62	0.77	0.94	0.96	0.65	0.78
02/16/2010	0.72	0.72	0.65	0.76	1.00	0.95	0.67	0.78
02/17/2010	0.75	0.72	0.70	0.75	1.00	0.94	0.77	0.77
02/18/2010	0.76	0.72	0.74	0.74	0.96	0.93	0.79	0.77
02/19/2010	0.77	0.72	0.76	0.73	0.92	0.92	0.80	0.76
02/20/2010	0.78	0.72	0.78	0.73	0.95	0.91	0.81	0.76
02/21/2010	0.81	0.73	0.79	0.73	0.84	0.91	0.82	0.77
02/22/2010	0.80	0.74	0.80	0.74	0.86	0.91	0.84	0.78
02/23/2010	0.78	0.76	0.82	0.75	0.97	0.92	0.85	0.79
02/24/2010	0.76	0.77	0.81	0.76	0.95	0.93	0.81	0.80
02/25/2010	0.70	0.77	0.79	0.77	1.03	0.95	0.80	0.81
02/26/2010	0.61	0.77	0.74	0.78	0.95	0.96	0.74	0.82
02/27/2010	0.64	0.77	0.69	0.79	0.81	0.96	0.64	0.82
02/28/2010	0.63	0.76	0.64	0.78	0.77	0.96	0.68	0.82
03/01/2010	0.52	0.76	0.66	0.78	0.83	0.96	0.64	0.81
03/02/2010	0.52	0.74	0.54	0.78	0.82	0.97	0.56	0.80
03/03/2010	0.49	0.73	0.55	0.77	0.75	0.96	0.56	0.79
03/04/2010	0.56	0.72	0.52	0.76	0.76	0.95	0.54	0.78

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
md : mean daily  
NR : No Record  
NC : Average not computed due to insufficient data  
BR : Below Rating  
e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Monday, March 15, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	15 %
Vernalis Base Flow : Monthly average *	>= 2280	3,643 cfs
7 Day average *	>= 1824	2,915 cfs
Habitat Protection, X2 / Flow	31 days at Chipps Island	15 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	74 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	81 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.7 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.7 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	0.9 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.7 mS/cm
SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, March 1, 2010)

Previous Month's Index (8RI for Feb ) : 2.30 MAF  
 Water Year Type: Dry  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.3 MAF (Dry)  
 San Joaquin valley water year type index (60/20/20) @ 75% : 2.8 MAF (Dry)

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 #xxx: where # is number of gates operating and xxx is one of the following  
 FTF - full tide operation  
 OPN - open always  
 FTP - full tide partial operation  
 CLO - closed always  
 1C/2O - 1 gate closed always; 2 gates operating  
 1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
 1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = OMR concerns  
 r = E/I ratio concerns  
 \* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
02/14/2010	5.68	3.99	30,833	4.13	0.45	0.67	0.27	0.18	0.19	0.23	0.23
02/15/2010	5.54	3.98	26,813	4.28	0.44	0.67	0.27	0.17	0.19	0.24	0.23
02/16/2010	5.33	3.97	24,967	4.93	0.50	0.67	0.27	0.18	0.19	0.25	0.24
02/17/2010	5.50	4.03	23,235	6.19	0.90	0.70	0.27	0.18	0.19	0.25	0.24
02/18/2010	5.77	4.28	21,331	7.38	1.79	0.79	0.28	0.19	0.19	0.26	0.24
02/19/2010	6.17	4.44	18,964	8.89	2.46	0.88	0.32	0.21	0.19	0.26	0.24
02/20/2010	6.27	4.55	17,500	9.70	3.16	1.00	0.45	0.31	0.20	0.27	0.24
02/21/2010	6.46	4.46	16,147	10.74	3.53	1.20	0.53	0.38	0.21	0.28	0.25
02/22/2010	6.16	4.28	16,832	9.74	2.80	1.36	0.45	0.31	0.22	0.28	0.25
02/23/2010	6.13	4.35	16,718	12.23	4.00	1.59	0.63	0.45	0.24	0.29	0.25
02/24/2010	6.79	4.76	22,094	14.09	7.04	2.04	1.46	1.15	0.30	0.34	0.26
02/25/2010	6.51	4.39	23,385	13.42	6.40	2.46	1.41	1.10	0.37	0.37	0.27
02/26/2010	6.84	4.64	24,841	14.43	6.92	2.92	1.90	1.53	0.47	0.36	0.28
02/27/2010	7.08	4.95	30,158	13.47	6.04	3.32	1.58	1.25	0.54	0.42	0.29
02/28/2010	6.62	4.69	35,252	11.32	4.66	3.62	0.97	0.73	0.58	0.32	0.30
03/01/2010	6.20	4.50	29,239	8.62	3.05	3.80	0.62	0.44	0.60	0.28	0.30
03/02/2010	6.32	4.61	30,959	8.01	2.59	3.95	0.55	0.39	0.62	0.26	0.30
03/03/2010	6.58	4.71	29,591	7.09	2.05	4.03	0.49	0.34	0.63	0.25	0.30
03/04/2010	6.49	4.43	29,631	5.55	1.30	4.00	0.39	0.27	0.63	0.24	0.30
03/05/2010	6.32	4.41	29,688	4.84	0.98	3.89	0.34	0.23	0.63	0.24	0.30
03/06/2010	6.39	4.47	31,209	5.49	0.90	3.73	0.32	0.21	0.63	0.25	0.30
03/07/2010	6.35	4.59	31,723	5.66	1.04	3.55	0.30	0.20	0.61	0.25	0.30
03/08/2010	6.06	4.43	27,672	5.91	0.78	3.41	0.29	0.19	0.61	0.26	0.29
03/09/2010	5.24	3.91	21,511	3.09	0.38	3.15	0.29	0.19	0.59	0.24	0.29
03/10/2010	5.35	3.88	18,673	5.24	0.72	2.70	0.29	0.19	0.52	0.25	0.28
03/11/2010	5.20	3.65	17,533	6.53	0.96	2.31	0.29	0.19	0.45	0.25	0.28
03/12/2010	5.50	3.84	17,651	9.91	2.56	2.00	0.34	0.23	0.36	0.26	0.27
03/13/2010	5.17	3.61	20,677	8.99	2.32	1.74	0.33	0.22	0.29	0.26	0.26
03/14/2010	5.05	3.48	21,453	8.61	2.30	1.57	0.34	0.23	0.25	0.27	0.25
03/15/2010	4.88	3.42	19,782	8.46	2.19	1.51	0.35	0.23	0.24	0.27	0.25

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
02/14/2010	0.29	0.33	0.26	0.29	0.20	0.21	0.89	7.31	3.94	3.44	3.31	0.23
02/15/2010	0.28	0.32	0.26	0.29	0.21	0.21	0.91	7.04	3.82	3.28	3.31	0.23
02/16/2010	0.28	0.31	0.26	0.28	0.22	0.21	0.94	6.91	3.87	3.16	3.31	0.24
02/17/2010	0.28	0.31	0.26	0.28	0.23	0.21	0.97	6.75	3.84	3.13	3.34	0.25
02/18/2010	0.28	0.30	0.26	0.28	0.23	0.22	0.98	4.91	3.68	2.92	3.22	0.26
02/19/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.96	4.15	3.44	2.95	3.12	0.26
02/20/2010	0.28	0.30	0.26	0.27	0.24	0.22	0.97	5.10	3.43	2.82	2.95	0.27
02/21/2010	0.29	0.30	0.27	0.27	0.25	0.22	0.95	6.33	3.47	2.92	2.85	0.28
02/22/2010	0.29	0.29	0.27	0.27	0.25	0.22	0.95	8.40	3.66	3.25	3.16	0.28
02/23/2010	0.29	0.29	0.26	0.26	0.26	0.22	0.93	7.19	3.41	3.20	3.24	0.29
02/24/2010	0.32	0.29	0.28	0.26	0.27	0.23	0.37	5.55	1.89	3.17	3.07	0.47
02/25/2010	0.34	0.29	0.27	0.26	0.27	0.23	0.36	5.59	3.80	3.37	3.29	0.45
02/26/2010	0.38	0.30	0.28	0.26	0.27	0.24	0.56	3.46	3.94	3.71	3.46	0.44
02/27/2010	0.39	0.31	0.28	0.27	0.27	0.24	0.41	4.21	2.33	3.67	3.49	0.52
02/28/2010	0.36	0.31	0.28	0.27	0.26	0.25	0.39	4.64	3.72	3.64	3.52	0.34
03/01/2010	0.34	0.32	0.28	0.27	0.24	0.25	0.54	4.47	3.76	3.66	3.58	0.28
03/02/2010	0.33	0.32	0.27	0.27	0.23	0.25	0.68	4.09	3.49	3.54	3.65	0.26
03/03/2010	0.32	0.32	0.27	0.27	0.22	0.25	0.54	4.06	2.02	3.38	3.58	0.26
03/04/2010	0.31	0.32	0.27	0.27	0.22	0.25	0.37	4.72	2.21	3.11	3.39	0.24
03/05/2010	0.30	0.32	0.27	0.27	0.22	0.25	0.51	6.00	3.37	3.21	3.42	0.24
03/06/2010	0.30	0.33	0.27	0.27	0.23	0.25	0.66	5.15	3.15	3.07	3.45	0.24
03/07/2010	0.29	0.33	0.27	0.27	0.24	0.25	0.76	4.00	3.43	3.15	3.10	0.25
03/08/2010	0.29	0.33	0.27	0.27	0.23	0.24	0.81	4.93	3.57	3.22	3.18	0.25
03/09/2010	0.29	0.33	0.27	0.27	0.21	0.24	0.85	6.11	3.29	3.32	3.34	0.25
03/10/2010	0.29	0.32	0.27	0.27	0.22	0.24	0.89	6.05	3.94	3.35	3.42	0.25
03/11/2010	0.29	0.32	0.27	0.27	0.23	0.23	NC	6.61	3.87	3.32	3.45	0.25
03/12/2010	0.28	0.31	0.27	0.27	0.24	0.23	NC	5.75	3.67	3.09	3.49	0.26
03/13/2010	0.29	0.30	0.27	0.27	0.25	0.23	NC	6.19	3.39	3.07	3.48	0.26
03/14/2010	0.29	0.30	0.27	0.27	0.25	0.23	NC	6.81	3.65	3.16	3.48	0.26
03/15/2010	0.29	0.30	0.27	0.27	0.24	0.23	NC	6.64	3.44	3.17	3.49	0.27

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

mht : mean high tides

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
02/14/2010	0.30	0.48	0.31	0.34	0.44	0.42	0.59	22	51	75	f
02/15/2010	0.30	0.47	0.31	0.34	0.44	0.42	0.57	21	49	75	f
02/16/2010	0.30	0.47	0.31	0.33	0.44	0.44	0.55	20	49	80	f
02/17/2010	0.30	0.46	0.30	0.33	0.44	0.45	0.57	21	47	79	f
02/18/2010	0.31	0.45	0.30	0.33	0.44	0.46	0.55	20	47	79	f
02/19/2010	0.30	0.44	0.29	0.32	0.44	0.47	0.54	20	46	73	f
02/20/2010	0.30	0.43	0.29	0.31	0.44	0.51	0.55	21	42	67	f
02/21/2010	0.29	0.41	0.29	0.31	0.43	0.44	0.56	21	42	75	f
02/22/2010	0.28	0.41	0.29	0.31	0.44	0.41	0.58	22	42	79	f
02/23/2010	0.28	0.41	0.29	0.30	0.44	0.38	0.59	23	41	81	f
02/24/2010	0.28	0.38	0.30	0.31	0.44	0.41	0.54	32	42	82	f
02/25/2010	0.28	0.40	0.30	0.31	0.44	0.43	0.58	37	42	83	f
02/26/2010	0.28	0.39	0.30	0.31	0.44	0.45	0.58	50	43	84	f
02/27/2010	0.29	0.40	0.30	0.31	0.44	0.42	0.55	55	42	96	f
02/28/2010	0.29	0.40	0.30	0.31	0.44	0.43	0.56	46	43	92	f
03/01/2010	0.29	0.39	0.30	0.31	0.44	0.48	0.56	38	44	79	f
03/02/2010	0.28	0.39	0.30	0.32	0.44	0.48	0.53	34	44	84	f
03/03/2010	0.28	0.39	0.30	0.31	0.44	0.42	0.48	32	43	86	f
03/04/2010	0.28	0.40	0.30	0.31	0.44	0.44	0.51	28	44	81	f
03/05/2010	0.28	0.40	0.30	0.32	0.44	0.43	0.51	26	45	78	f
03/06/2010	0.28	0.40	0.30	0.32	0.44	0.48	0.55	24	45	55	f
03/07/2010	0.28	0.40	0.30	0.32	0.44	0.44	0.55	23	46	83	f
03/08/2010	0.29	0.40	0.30	0.32	0.44	0.42	0.55	22	45	72	f
03/09/2010	0.30	0.40	0.30	0.32	0.45	0.47	0.57	22	46	77	f
03/10/2010	0.29	0.39	0.30	0.32	0.45	0.42	0.55	21	46	74	f
03/11/2010	0.29	0.39	0.30	0.32	0.45	0.48	0.61	21	46	73	f
03/12/2010	0.28	0.38	0.30	0.32	0.45	0.42	0.60	20	45	70	f
03/13/2010	0.30	0.38	0.30	0.32	0.45	0.61	0.65	21	45	78	f
03/14/2010	0.30	0.38	0.30	0.32	0.46	0.53	0.71	21	46	80	f
03/15/2010	0.29	0.37	0.30	0.33	0.46	0.55	0.74	22	47	81	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
02/14/2010	0.60	0.74	0.67	0.78	0.89	0.97	0.65	0.79
02/15/2010	0.67	0.73	0.62	0.77	0.94	0.96	0.65	0.78
02/16/2010	0.72	0.72	0.65	0.76	1.00	0.95	0.67	0.78
02/17/2010	0.75	0.72	0.70	0.75	1.00	0.94	0.77	0.77
02/18/2010	0.76	0.72	0.74	0.74	0.96	0.93	0.79	0.77
02/19/2010	0.77	0.72	0.76	0.73	0.92	0.92	0.80	0.76
02/20/2010	0.78	0.72	0.78	0.73	0.95	0.91	0.81	0.76
02/21/2010	0.81	0.73	0.79	0.73	0.84	0.91	0.82	0.77
02/22/2010	0.80	0.74	0.80	0.74	0.86	0.91	0.84	0.78
02/23/2010	0.78	0.76	0.82	0.75	0.97	0.92	0.85	0.79
02/24/2010	0.76	0.77	0.81	0.76	0.95	0.93	0.81	0.80
02/25/2010	0.70	0.77	0.79	0.77	1.03	0.95	0.80	0.81
02/26/2010	0.61	0.77	0.74	0.78	0.95	0.96	0.74	0.82
02/27/2010	0.64	0.77	0.69	0.79	0.81	0.96	0.64	0.82
02/28/2010	0.63	0.76	0.64	0.78	0.77	0.96	0.68	0.82
03/01/2010	0.52	0.76	0.66	0.78	0.83	0.96	0.64	0.81
03/02/2010	0.52	0.74	0.54	0.78	0.82	0.97	0.56	0.80
03/03/2010	0.49	0.73	0.55	0.77	0.75	0.96	0.56	0.79
03/04/2010	0.56	0.72	0.52	0.76	0.76	0.95	0.54	0.78
03/05/2010	0.53	0.71	0.57	0.75	0.84	0.94	0.60	0.76
03/06/2010	0.56	0.69	0.56	0.74	0.80	0.93	0.56	0.75
03/07/2010	0.57	0.68	0.59	0.72	0.77	0.92	0.61	0.74
03/08/2010	0.60	0.67	0.60	0.71	0.79	0.91	0.61	0.73
03/09/2010	0.70	0.67	0.61	0.70	0.87	0.90	0.66	0.72
03/10/2010	0.77	0.66	0.70	0.70	1.15	0.91	0.75	0.71
03/11/2010	0.80	0.67	0.78	0.69	1.18	0.91	0.83	0.70
03/12/2010	0.84	0.67	0.82	0.69	1.22	0.91	0.87	0.71
03/13/2010	0.85	0.68	0.86	0.69	1.15	0.92	0.90	0.71
03/14/2010	0.88	0.68	0.89	0.70	1.17	0.93	0.92	0.72
03/15/2010	0.88	0.69	0.90	0.71	1.38	0.94	0.96	0.73

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Monday, March 29, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	34 %
Vernalis Base Flow : Monthly average *	>= 2280	3,064 cfs
7 Day average *	>= 1824	2,393 cfs
Habitat Protection, X2 / Flow	31 days at Chipps Island	29 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	88 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	88 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<= 1.0 mS/cm	0.7 mS/cm
Brandt Bridge	<= 1.0 mS/cm	0.8 mS/cm
Old River Near Tracy	<= 1.0 mS/cm	1.0 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.8 mS/cm
SUISUN MARSH:		
Western marsh monthly average mhtEC	<= 15.6 mS/cm	
Suisun Marsh Salinity Control Gates		3OPN
Flashboard Status		IN

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, March 1, 2010)

Previous Month's Index (8RI for Feb) : 2.30 MAF  
 Water Year Type: Dry  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.3 MAF (Dry)  
 San Joaquin valley water year type index (60/20/20) @ 75% : 2.8 MAF (Dry)

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 #xxx: where # is number of gates operating and xxx is one of the following  
 FTF - full tide operation  
 OPN - open always  
 FTP - full tide partial operation  
 CLO - closed always  
 1C/2O - 1 gate closed always; 2 gates operating  
 1C/1F/1O - 1 gate closed; 1 full tide; 1 open  
 1O/2F - 1 gate open; 2 full tide

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = OMR concerns  
 r = E/I ratio concerns  
 \* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
02/28/2010	6.62	4.69	35,252	11.32	4.66	3.62	0.97	0.73	0.58	0.32	0.30
03/01/2010	6.20	4.50	29,239	8.62	3.05	3.80	0.62	0.44	0.60	0.28	0.30
03/02/2010	6.32	4.61	30,959	8.01	2.59	3.95	0.55	0.39	0.62	0.26	0.30
03/03/2010	6.58	4.71	29,591	7.09	2.05	4.03	0.49	0.34	0.63	0.25	0.30
03/04/2010	6.49	4.43	29,631	5.55	1.30	4.00	0.39	0.27	0.63	0.24	0.30
03/05/2010	6.32	4.41	29,688	4.84	0.98	3.89	0.34	0.23	0.63	0.24	0.30
03/06/2010	6.39	4.47	31,209	5.49	0.90	3.73	0.32	0.21	0.63	0.25	0.30
03/07/2010	6.35	4.59	31,723	5.66	1.04	3.55	0.30	0.20	0.61	0.25	0.30
03/08/2010	6.06	4.43	27,672	5.91	0.78	3.41	0.29	0.19	0.61	0.26	0.29
03/09/2010	5.24	3.91	21,511	3.09	0.38	3.15	0.29	0.19	0.59	0.24	0.29
03/10/2010	5.35	3.88	18,673	5.24	0.72	2.70	0.29	0.19	0.52	0.25	0.28
03/11/2010	5.20	3.65	17,533	6.53	0.96	2.31	0.29	0.19	0.45	0.25	0.28
03/12/2010	5.50	3.84	17,651	9.91	2.56	2.00	0.34	0.23	0.36	0.26	0.27
03/13/2010	5.17	3.61	20,677	8.99	2.32	1.74	0.33	0.22	0.29	0.26	0.26
03/14/2010	5.05	3.48	21,453	8.61	2.30	1.57	0.34	0.23	0.25	0.27	0.25
03/15/2010	4.88	3.42	19,782	8.46	2.19	1.51	0.35	0.23	0.24	0.27	0.25
03/16/2010	4.99	3.45	18,866	9.02	2.59	1.51	0.39	0.27	0.23	0.27	0.25
03/17/2010	5.19	3.58	17,846	9.55	3.26	1.59	0.45	0.32	0.23	0.27	0.26
03/18/2010	5.56	3.84	12,902	10.92	4.23	1.80	0.61	0.44	0.24	0.28	0.26
03/19/2010	5.61	3.80	11,459	11.54	4.47	2.05	0.76	0.56	0.26	0.28	0.26
03/20/2010	5.77	3.90	10,941	12.17	5.10	2.35	0.89	0.66	0.29	0.29	0.26
03/21/2010	5.82	3.89	10,650	12.39	5.63	2.68	1.05	0.80	0.34	0.33	0.27
03/22/2010	5.83	3.91	10,309	12.65	5.53	3.02	1.19	0.91	0.39	0.36	0.28
03/23/2010	5.65	3.91	10,250	12.25	5.71	3.40	1.07	0.81	0.43	0.36	0.28
03/24/2010	5.65	4.06	10,009	13.32	6.09	3.78	1.22	0.94	0.49	0.36	0.29
03/25/2010	5.60	3.99	9,169	14.49	6.44	4.17	1.37	1.07	0.55	0.36	0.30
03/26/2010	5.35	3.61	8,538	13.05	5.88	4.41	1.22	0.94	0.60	0.34	0.31
03/27/2010	5.27	3.47	8,441	13.62	6.13	4.68	1.28	0.99	0.65	0.32	0.31
03/28/2010	5.25	3.55	7,848	14.42	6.61	4.99	1.56	1.23	0.73	0.38	0.32
03/29/2010	5.42	3.78	8,611	15.92	7.84	5.39	2.16	1.77	0.84	0.42	0.33

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
02/28/2010	0.36	0.31	0.28	0.27	0.26	0.25	0.39	4.64	3.72	3.64	3.52	0.34
03/01/2010	0.34	0.32	0.28	0.27	0.24	0.25	0.54	4.47	3.76	3.66	3.58	0.28
03/02/2010	0.33	0.32	0.27	0.27	0.23	0.25	0.68	4.09	3.49	3.54	3.65	0.26
03/03/2010	0.32	0.32	0.27	0.27	0.22	0.25	0.54	4.06	2.02	3.38	3.58	0.26
03/04/2010	0.31	0.32	0.27	0.27	0.22	0.25	0.37	4.72	2.21	3.11	3.39	0.24
03/05/2010	0.30	0.32	0.27	0.27	0.22	0.25	0.51	6.00	3.37	3.21	3.42	0.24
03/06/2010	0.30	0.33	0.27	0.27	0.23	0.25	0.66	5.15	3.15	3.07	3.45	0.24
03/07/2010	0.29	0.33	0.27	0.27	0.24	0.25	0.76	4.00	3.43	3.15	3.10	0.25
03/08/2010	0.29	0.33	0.27	0.27	0.23	0.24	0.81	4.93	3.57	3.22	3.18	0.25
03/09/2010	0.29	0.33	0.27	0.27	0.21	0.24	0.85	6.11	3.29	3.32	3.34	0.25
03/10/2010	0.29	0.32	0.27	0.27	0.22	0.24	0.89	6.05	3.94	3.35	3.42	0.25
03/11/2010	0.29	0.32	0.27	0.27	0.23	0.23		6.61	3.87	3.32	3.45	0.25
03/12/2010	0.28	0.31	0.27	0.27	0.24	0.23		5.75	3.67	3.09	3.49	0.26
03/13/2010	0.29	0.30	0.27	0.27	0.25	0.23		6.19	3.39	3.07	3.48	0.26
03/14/2010	0.29	0.30	0.27	0.27	0.25	0.23		6.81	3.65	3.16	3.48	0.26
03/15/2010	0.29	0.30	0.27	0.27	0.24	0.23		6.64	3.44	3.17	3.49	0.27
03/16/2010	0.29	0.29		NC	0.27	0.23		6.36	3.50	3.13	3.57	0.27
03/17/2010	0.29	0.29		NC	0.27	0.23		5.51	3.36	2.98	3.58	0.27
03/18/2010	0.30	0.29	0.27	0.27	0.25	0.24		4.44	3.18	2.76	3.44	0.28
03/19/2010	0.30	0.29	0.27	0.27	0.25	0.24		4.22	2.97	2.67	3.22	0.28
03/20/2010	0.31	0.29	0.27	0.27	0.25	0.24		3.98	2.73	2.81	3.28	0.28
03/21/2010	0.31	0.29	0.27	0.27	0.25	0.24		4.96	3.07	3.00	3.31	0.38
03/22/2010	0.32	0.29	0.28	0.27	0.25	0.24	0.89	6.49	2.97	3.12	3.38	0.43
03/23/2010	0.33	0.30	0.28	0.27	0.24	0.24	0.89	6.56	3.06	3.23	3.53	0.39
03/24/2010	0.34	0.30	0.28	0.27	0.25	0.25	0.88	5.45	3.12	3.33	3.61	0.41
03/25/2010	0.36	0.31	0.28	0.27	0.25	0.25	0.88	5.61	3.15	3.43	3.65	0.35
03/26/2010	0.36	0.31	0.27	0.27	0.25	0.25	0.86	5.41	3.10	3.45	3.73	0.41
03/27/2010	0.36	0.32	0.27	0.27	0.26	0.25	0.88	5.39	2.91	3.54	3.75	0.34
03/28/2010	0.38	0.32	0.27	0.27	0.25	0.25	0.87	5.04	2.82	3.54	3.80	0.41
03/29/2010	0.42	0.33	0.28	0.27	0.26	0.25	0.86	4.64	3.19	3.73	3.81	0.43

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

mht : mean high tides

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCI	Bacon Island mdCI	Contra Costa mdCI	Delta Status
02/28/2010	0.29	0.40	0.30	0.31	0.44	0.43	0.56	46	43	92	f
03/01/2010	0.29	0.39	0.30	0.31	0.44	0.48	0.56	38	44	79	f
03/02/2010	0.28	0.39	0.30	0.32	0.44	0.48	0.53	34	44	84	f
03/03/2010	0.28	0.39	0.30	0.31	0.44	0.42	0.48	32	43	86	f
03/04/2010	0.28	0.40	0.30	0.31	0.44	0.44	0.51	28	44	81	f
03/05/2010	0.28	0.40	0.30	0.32	0.44	0.43	0.51	26	45	78	f
03/06/2010	0.28	0.40	0.30	0.32	0.44	0.48	0.55	24	45	55	f
03/07/2010	0.28	0.40	0.30	0.32	0.44	0.44	0.55	23	46	83	f
03/08/2010	0.29	0.40	0.30	0.32	0.44	0.42	0.55	22	45	72	f
03/09/2010	0.30	0.40	0.30	0.32	0.45	0.47	0.57	22	46	77	f
03/10/2010	0.29	0.39	0.30	0.32	0.45	0.42	0.55	21	46	74	f
03/11/2010	0.29	0.39	0.30	0.32	0.45	0.48	0.61	21	46	73	f
03/12/2010	0.28	0.38	0.30	0.32	0.45	0.42	0.60	20	45	70	f
03/13/2010	0.30	0.38	0.30	0.32	0.45	0.61	0.65	21	45	78	f
03/14/2010	0.30	0.38	0.30	0.32	0.46	0.53	0.71	21	46	80	f
03/15/2010	0.29	0.37	0.30	0.33	0.46	0.55	0.74	22	47	81	f
03/16/2010	0.29	0.37	0.30	0.32	0.47	0.56	0.73	22	46	75	f
03/17/2010	0.29	0.37	0.31	0.32	0.47	0.53	0.70	23	46	74	f
03/18/2010	0.30	0.37	0.31	0.32	0.46	0.52	0.65	24	45	72	f
03/19/2010	0.29	0.37	0.30	0.32	0.47	0.57	0.67	25	45	83	f
03/20/2010	0.30	0.36	0.31	0.32	0.48	0.56	0.63	27	44	83	f
03/21/2010	0.30	0.36	0.31	0.32	0.48	0.57	0.64	30	45	95	f
03/22/2010	0.31	0.35	0.30	0.32	0.48	0.59	0.65	32	44	81	f
03/23/2010	0.30	0.35	0.30	0.31	0.48	0.56	0.68	35	43	82	r
03/24/2010	0.29	0.35	0.30	0.31	0.49	0.53	0.72	38	43	79	r
03/25/2010	0.29	0.35	0.30	0.31	0.49	0.48	0.65	45	42	79	r
03/26/2010	0.29	0.34	0.30	0.31	0.49	0.51	0.64	44	42	86	r
03/27/2010	0.29	0.34	0.29	0.31	0.50	0.50	0.66	46	41	68	r
03/28/2010	0.29	0.34	0.29	0.30	0.50	0.54	0.67	52	41	81	r
03/29/2010	0.29	0.34	0.29	0.30	0.51	0.47	0.64	63	40	88	r

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (CI) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCI are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
02/28/2010	0.63	0.76	0.64	0.78	0.77	0.96	0.68	0.82
03/01/2010	0.52	0.76	0.66	0.78	0.83	0.96	0.64	0.81
03/02/2010	0.52	0.74	0.54	0.78	0.82	0.97	0.56	0.80
03/03/2010	0.49	0.73	0.55	0.77	0.75	0.96	0.56	0.79
03/04/2010	0.56	0.72	0.52	0.76	0.76	0.95	0.54	0.78
03/05/2010	0.53	0.71	0.57	0.75	0.84	0.94	0.60	0.76
03/06/2010	0.56	0.69	0.56	0.74	0.80	0.93	0.56	0.75
03/07/2010	0.57	0.68	0.59	0.72	0.77	0.92	0.61	0.74
03/08/2010	0.60	0.67	0.60	0.71	0.79	0.91	0.61	0.73
03/09/2010	0.70	0.67	0.61	0.70	0.87	0.90	0.66	0.72
03/10/2010	0.77	0.66	0.70	0.70	1.15	0.91	0.75	0.71
03/11/2010	0.80	0.67	0.78	0.69	1.18	0.91	0.83	0.70
03/12/2010	0.84	0.67	0.82	0.69	1.22	0.91	0.87	0.71
03/13/2010	0.85	0.68	0.86	0.69	1.15	0.92	0.90	0.71
03/14/2010	0.88	0.68	0.89	0.70	1.17	0.93	0.92	0.72
03/15/2010	0.88	0.69	0.90	0.71	1.38	0.94	0.96	0.73
03/16/2010	0.87	0.70	0.94	0.71	1.34	0.96	0.97	0.74
03/17/2010	0.84	0.71	0.94	0.73	1.30	0.97	0.97	0.75
03/18/2010	0.83	0.71	0.94	0.73	1.22	0.98	0.95	0.76
03/19/2010	0.87	0.72	0.91	0.74	1.13	0.98	0.93	0.76
03/20/2010	0.88	0.72	0.91	0.75	1.07	0.99	0.96	0.77
03/21/2010	0.88	0.72	0.93	0.75	1.07	0.99	0.98	0.78
03/22/2010	0.78	0.72	0.94	0.76	1.07	0.99	0.98	0.78
03/23/2010	0.76	0.72	0.89	0.76	1.04	1.00	0.88	0.78
03/24/2010	0.75	0.72	0.84	0.76	1.01	1.01	0.86	0.78
03/25/2010	0.80	0.72	0.83	0.76	0.97	1.01	0.88	0.79
03/26/2010	0.82	0.72	0.86	0.76	0.99	1.01	0.94	0.79
03/27/2010	0.82	0.73	0.91	0.77	1.09	1.01	0.93	0.79
03/28/2010	0.81	0.73	0.94	0.78	1.22	1.02	0.97	0.80
03/29/2010	0.78	0.74	0.94	0.78	1.19	1.03	0.99	0.81

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Tuesday, May 11, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	6 %
Vernalis Base Flow : Monthly average *	>= 2280 cfs	5,380 cfs
7 Day average *	>= 1824 cfs	5,644 cfs
Habitat Protection, X2 / Flow	6 days at Port Chicago *	
* 9 days as carryover from April	29 days at Chipps Island **	11 days
** 2 days as carryover from April	30 days at Collinsville	11 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	131 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	107 mg/l

Maximum 30 day running average of mean daily EC at:

Vernalis	<= 0.7 mS/cm	0.3 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.3 mS/cm
Old River Near Tracy	<= 0.7 mS/cm	0.4 mS/cm
Old River Near Middle River	<= 0.7 mS/cm	0.3 mS/cm

#### SUISUN MARSH:

Western marsh monthly average mhtEC	<= 12.5 mS/cm
Suisun Marsh Salinity Control Gates :	3 Open / 0 Closed / 0 Full Tide Open
Flashboard Status :	Out
Boat Lock Status :	Closed

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, May 1, 2010)

Previous Month's Index (8RI for April) : 3.23 MAF  
 Water Year Type: Below Normal  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.9 MAF ( Below Normal )  
 San Joaquin valley water year type index (60/20/20) @ 75% : 3.5 MAF ( Above Normal )

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 Number of gates operating at either Open, Closed, or Full Tide Open  
 Flashboard Status : In, Out, or Modified In  
 Boat Lock Status : Open or Closed

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

\* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
04/12/2010	6.20	4.59	16,302	17.65	10.24	7.69	3.19	2.72	1.68	0.36	0.47
04/13/2010	6.08	4.23	19,782	15.28	7.77	7.57	2.13	1.74	1.62	0.35	0.45
04/14/2010	5.98	4.19	22,718	13.98	6.85	7.42	1.80	1.45	1.55	0.38	0.43
04/15/2010	6.11	4.23	29,136	12.51	5.30	7.18	1.25	0.96	1.46	0.33	0.39
04/16/2010	6.34	4.37	35,033	11.77	4.80	6.94	1.12	0.85	1.37	0.32	0.37
04/17/2010	6.38	4.39	32,770	10.13	3.69	6.70	0.75	0.55	1.29	0.28	0.35
04/18/2010	6.39	4.47	30,259	9.94	3.36	6.42	0.64	0.46	1.21	0.25	0.33
04/19/2010	6.54	4.68	29,032	10.21	3.02	6.19	0.59	0.42	1.15	0.25	0.32
04/20/2010	6.56	4.77	27,333	9.59	2.83	6.03	0.54	0.38	1.12	0.26	0.31
04/21/2010	5.93	4.34	29,366	5.97	1.44	5.77	0.38	0.26	1.09	0.24	0.31
04/22/2010	5.60	4.21	30,352	5.35	1.14	5.45	0.32	0.21	1.05	0.24	0.30
04/23/2010	5.42	4.01	32,529	6.84	1.10	5.08	0.30	0.20	1.01	0.24	0.30
04/24/2010	5.59	3.93	34,651	7.47	1.53	4.52	0.28	0.19	0.90	0.25	0.29
04/25/2010	5.61	3.85	33,587	7.22	1.38	3.89	0.29	0.19	0.76	0.24	0.29
04/26/2010	5.99	4.16	27,912	8.67	1.74	3.28	0.31	0.21	0.58	0.24	0.28
04/27/2010	6.36	4.53	24,552	10.12	2.86	2.93	0.37	0.25	0.47	0.24	0.27
04/28/2010	6.65	4.47	23,524	8.89	2.37	2.61	0.40	0.28	0.39	0.24	0.26
04/29/2010	6.63	4.29	25,974	7.27	1.73	2.36	0.39	0.27	0.34	0.22	0.25
04/30/2010	6.22	4.08	27,297	5.15	1.18	2.10	0.33	0.22	0.29	0.21	0.24
05/01/2010	6.12	4.15	28,592	4.75	0.95	1.90	0.31	0.21	0.27	0.21	0.24
05/02/2010	5.96	4.03	29,204	4.29	0.68	1.71	0.29	0.19	0.25	0.21	0.24
05/03/2010	5.51	3.91	29,678	3.50	0.50	1.53	0.27	0.18	0.23	0.20	0.23
05/04/2010	5.15	3.83	27,759	5.04	0.61	1.37	0.26	0.17	0.22	0.20	0.23
05/05/2010	4.84	3.73	26,193	6.34	0.90	1.33	0.26	0.17	0.21	0.21	0.23
05/06/2010	4.75	3.51	25,000	6.69	1.37	1.35	0.26	0.17	0.21	0.20	0.22
05/07/2010	4.60	e	24,891	8.29	2.86	1.47	0.35	0.23	0.21	0.20	0.22
05/08/2010	x	e	23,514	11.43	4.28	1.67	0.55	0.39	0.22	0.20	0.22
05/09/2010	x	e	21,939	13.42	4.63	1.90	0.60	0.43	0.24	0.20	0.21
05/10/2010	5.48	3.80	22,516	13.25	4.83	2.12	0.67	0.48	0.26	0.20	0.21
05/11/2010	5.76	3.68	22,091	11.67	3.86	2.20	0.65	0.47	0.28	0.20	0.21

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
04/12/2010	0.44	0.43	0.26	0.27	0.24	0.18	0.43	2.66	2.27	4.32	4.40	0.31
04/13/2010	0.39	0.42	0.26	0.27	0.24	0.18	0.30	4.60	0.30	3.92	4.37	0.41
04/14/2010	0.37	0.41	0.26	0.27	0.24	0.18	0.43	4.43	1.70	3.94	4.40	0.53
04/15/2010	0.35	0.40	0.26	0.26	0.23	0.17	0.53	4.58	2.81	3.94	4.32	0.36
04/16/2010	0.34	0.39	0.26	0.26	0.23	0.18	0.58	4.22	3.61	3.86	4.16	0.35
04/17/2010	0.32	0.37	0.27	0.26	0.23	0.19	0.62	4.14	3.85	3.78	3.77	0.31
04/18/2010	0.31	0.36	0.27	0.26	0.22	0.21	0.63	3.85	3.68	3.50	3.33	0.26
04/19/2010	0.30	0.35	0.27	0.26	0.22	0.23	0.65	3.57	3.55	3.35	2.77	0.25
04/20/2010	0.30	0.35	0.27	0.26	0.22	0.23	0.65	3.10	3.25	3.07	2.22	0.27
04/21/2010	0.29	0.34	0.28	0.26	0.22	0.23	0.65	3.51	2.87	2.61	1.46	0.25
04/22/2010	0.29	0.34	0.28	0.26	0.22	0.23	0.62	3.16	2.29	2.16	1.18	0.24
04/23/2010	0.29	0.34	0.28	0.27	0.22	0.23	0.64	3.08	2.15	1.93	1.07	0.24
04/24/2010	0.30	0.33	0.29	0.27	0.22	0.23	0.65	2.82	1.78	1.56	1.01	0.25
04/25/2010	0.30	0.33	0.29	0.27	0.22	0.23	0.65	2.63	1.62	1.46	0.99	0.25
04/26/2010	0.30	0.32	0.29	0.27	0.22	0.23	0.66	2.12	1.45	1.36	1.03	0.24
04/27/2010	0.30	0.31	0.29	0.28	0.22	0.22	0.62	1.60	1.37	1.29	1.20	0.24
04/28/2010	0.30	0.31	0.29	0.28	0.21	0.22	0.66	1.63	1.37	1.36	1.20	0.23
04/29/2010	0.29	0.30	0.29	0.28	0.21	0.22	0.66	1.85	1.41	1.41	1.23	0.23
04/30/2010	0.30	0.30	0.29	0.28	0.21	0.22	0.65	2.00	1.49	1.39	1.32	0.22
05/01/2010	0.29	0.30	0.29	0.28	0.21	0.22	0.65	1.97	1.51	1.35	1.40	0.21
05/02/2010	0.29	0.30	0.29	0.28	0.20	0.22	0.67	2.02	1.64	1.39	1.49	0.21
05/03/2010	0.29	0.30	0.29	0.29	0.20	0.21	0.67	2.27	1.75	1.52	1.55	0.20
05/04/2010	0.29	0.30	0.29	0.29	0.19	0.21	0.64	2.31	1.86	1.69	1.60	0.21
05/05/2010	0.29	0.29	0.28	0.29	0.19	0.21	0.62	2.45	2.05	1.78	1.64	0.21
05/06/2010	0.29	0.30	0.28	0.29	0.18	0.21	0.59	2.98	2.07	1.80	1.67	0.21
05/07/2010	0.00 x	0.30	0.27	0.29	0.18	0.20	0.56	2.89	1.94	1.67	1.62	e
05/08/2010	0.00 x	0.30	0.26	0.28	0.18	0.20	0.53	2.39	1.87	1.68	1.59	e
05/09/2010	0.00 x	0.29	0.26	0.28	0.18	0.20	0.52	2.31	1.84	1.72	1.61	e
05/10/2010	0.27	0.29	0.25	0.28	0.18	0.20	0.53	2.81	1.78	1.71	1.56	0.20
05/11/2010	0.27	0.29	0.25	0.28	0.18	0.19	0.54	3.31	1.93	1.70	1.61	0.21

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 mht : mean high tides  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
04/12/2010	0.29	0.32	0.32	0.38	0.52	0.49	0.56	71	60	99	f
04/13/2010	0.30	0.32	0.32	0.40	0.52	0.49	0.54	54	66	70	f
04/14/2010	0.30	0.32	0.33	0.42	0.52	0.49	0.55	48	71	95	f
04/15/2010	0.30	0.33	0.34	0.43	0.52	0.48	0.51	41	74	96	f
04/16/2010	0.29	0.33	0.34	0.43	0.52	0.47	0.51	38	74	97	f
04/17/2010	0.29	0.33	0.35	0.44	0.52	0.45	0.48	32	77	101	f
04/18/2010	0.30	0.33	0.35	0.45	0.53	0.42	0.46	28	79	86	f
04/19/2010	0.29	0.33	0.35	0.46	0.53	0.41	0.44	26	81	98	f
04/20/2010	0.29	0.33	0.36	0.46	0.53	0.39	0.43	25	82	98	f
04/21/2010	0.31	0.34	0.37	0.48	0.53	0.37	0.42	22	88	99	f
04/22/2010	0.31	0.35	0.37	0.51	0.53	0.38	0.41	21	95	100	f
04/23/2010	0.31	0.35	0.40	0.51	0.53	0.36	0.40	23	96	98	f
04/24/2010	0.31	0.35	0.39	0.52	0.53	0.35	0.39	25	98	94	f
04/25/2010	0.32	0.36	0.39	0.52	0.54	0.34	0.39	26	97	98	f
04/26/2010	NC	0.36	0.37	0.51	0.54	0.32	0.38	26	96	103	f
04/27/2010	0.32	0.35	0.39	0.50	0.54	0.30	0.35	26	93	102	f
04/28/2010	0.32	0.35	0.41	0.50	0.54	0.29	0.34	26	93	104	f
04/29/2010	0.33	0.36	0.41	0.49	0.54	0.30	0.34	24	91	107	f
04/30/2010	0.34	0.36	0.41	0.49	0.54	0.29	0.33	25	90	103	f
05/01/2010	0.35	0.37	0.40	0.48	0.54	0.30	0.33	23	88	107	f
05/02/2010	0.35	0.37	0.40	0.47	0.55	0.32	0.34	22	86	108	f
05/03/2010	0.33	0.37	0.41	0.47	0.55	0.32	0.35	23	85	107	f
05/04/2010	0.34	0.36	0.41	0.47	0.55	0.32	0.35	22	84	107	f
05/05/2010	0.35	0.36	0.40	0.46	0.59	0.33	0.35	22	83	102	f
05/06/2010	0.33	0.36	0.40	0.46	0.70	0.31	0.35	22	82	101	f
05/07/2010	0.32	0.36	0.38	0.46	0.81	0.28	0.33	3 x	81	102	f
05/08/2010	0.32	0.36	0.38	0.45	0.80	0.25	0.30	3 x	80	103	f
05/09/2010	0.32	0.35	0.38	0.45	0.80	0.23	0.29	3 x	79	99	f
05/10/2010	0.31	0.35	0.39	0.44	0.79	0.23	0.28	17	78	102	f
05/11/2010	0.32	0.35	0.38	0.44	0.81	0.23	0.27	15	77	107	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

## Delta Water Quality Conditions

### South Delta Stations

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
04/12/2010	0.43	0.71	0.46	0.79	0.53	0.99	0.47	0.81
04/13/2010	0.43	0.70	0.45	0.77	0.52	0.97	0.45	0.80
04/14/2010	0.39	0.68	0.45	0.76	0.55	0.94	0.46	0.78
04/15/2010	0.37	0.67	0.41	0.74	0.53	0.91	0.41	0.76
04/16/2010	0.35	0.65	0.39	0.72	0.50	0.89	0.39	0.74
04/17/2010	0.34	0.63	0.37	0.70	0.46	0.86	0.37	0.72
04/18/2010	0.33	0.61	0.35	0.69	0.45	0.84	0.36	0.70
04/19/2010	0.34	0.60	0.35	0.67	0.43	0.82	0.35	0.68
04/20/2010	0.34	0.58	0.35	0.65	0.41	0.80	0.36	0.66
04/21/2010	0.31	0.56	0.35	0.63	0.41	0.77	0.35	0.64
04/22/2010	0.31	0.55	0.32	0.61	0.44	0.75	0.32	0.62
04/23/2010	0.30	0.53	0.32	0.59	0.42	0.73	0.33	0.60
04/24/2010	0.28	0.52	0.31	0.57	0.39	0.71	0.32	0.59
04/25/2010	0.26	0.50	0.29	0.56	0.38	0.69	0.29	0.56
04/26/2010	0.26	0.48	0.27	0.53	0.34	0.67	0.28	0.54
04/27/2010	0.26	0.46	0.27	0.51	0.31	0.64	0.28	0.52
04/28/2010	0.26	0.44	0.27	0.49	0.31	0.61	0.28	0.50
04/29/2010	0.27	0.43	0.27	0.47	0.33	0.58	0.28	0.47
04/30/2010	0.29	0.41	0.29	0.45	0.36	0.56	0.30	0.45
05/01/2010	0.28	0.39	0.30	0.43	0.37	0.54	0.31	0.43
05/02/2010	0.28	0.37	0.30	0.41	0.38	0.52	0.30	0.41
05/03/2010	0.28	0.36	0.29	0.39	0.38	0.50	0.30	0.39
05/04/2010	0.27	0.35	0.29	0.37	0.40	0.48	0.29	0.38
05/05/2010	0.24	0.34	0.28	0.36	0.40	0.46	0.29	0.37
05/06/2010	0.21	0.33	0.25	0.35	0.38	0.45	0.25	0.36
05/07/2010	0.20	0.32	0.22	0.34	0.35	0.44	0.22	0.35
05/08/2010	0.19	0.31	0.21	0.34	0.30	0.43	0.21	0.34
05/09/2010	0.19	0.30	0.20	0.33	0.28	0.42	0.21	0.33
05/10/2010	0.19	0.30	0.21	0.32	0.30	0.41	0.21	0.32
05/11/2010	0.19	0.29	0.20	0.31	0.31	0.40	0.20	0.32

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value

## Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh  
Monday, May 17, 2010

Criteria	Standard	Status
<b>Flow/Operational</b>		
% of inflow diverted	35 %	6 %
Vernalis Base Flow : Monthly average *	>= 2280 cfs	5,248 cfs
7 Day average *	>= 1824 cfs	5,122 cfs
Habitat Protection, X2 / Flow	6 days at Port Chicago *	13 days
* 9 days as carryover from April	29 days at Chipps Island **	17 days
** 2 days as carryover from April	30 days at Collinsville	17 days

### Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	137 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	203 mg/l

Maximum 30 day running average of mean daily EC at:

Vernalis	<= 0.7 mS/cm	0.3 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.3 mS/cm
Old River Near Tracy	<= 0.7 mS/cm	0.4 mS/cm
Old River Near Middle River	<= 0.7 mS/cm	0.3 mS/cm

### SUISUN MARSH:

Western marsh monthly average mhtEC	<= 12.5 mS/cm
Suisun Marsh Salinity Control Gates :	3 Open / 0 Closed / 0 Full Tide Open
Flashboard Status : Out	
Boat Lock Status : Closed	

### California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, May 1, 2010)

Previous Month's Index (BRI for April) : 3.23 MAF  
 Water Year Type: Below Normal  
 Sacramento valley water year type index (40/30/30) @ 50% : 6.9 MAF ( Below Normal )  
 San Joaquin valley water year type index (60/20/20) @ 75% : 3.5 MAF ( Above Normal )

Electrical Conductivity (EC) in milliSiemens per Centimeter.  
 Chlorides (Cl) in milligrams per liter  
 mht - mean high tides  
 md - mean daily  
 14 dm - fourteen day running mean  
 28 dm - twenty-eight day running mean  
 NR - No Record  
 NC - Average not computed due to insufficient data.  
 BR : Below Rating  
 e - estimated value

Montezuma Slough Gate Operation:  
 Number of gates operating at either Open, Closed, or Full Tide Open  
 Flashboard Status : In, Out, or Modified In  
 Boat Lock Status : Open or Closed

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

\* NDOI, Rio Vista & Vernalis Flows:  
 - Monthly average is progressive daily mean.  
 - 7 day average is progressive daily mean for the first six days of the month.

## Delta Water Quality Conditions

Date	Antioch Tides		Net Delta Outflow Index cfs	Martinez mdEC	Port Chicago		Mallard mdEC	Chippis Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
04/18/2010	6.39	4.47	30,259	9.94	3.36	6.42	0.64	0.46	1.21	0.25	0.33
04/19/2010	6.54	4.68	29,032	10.21	3.02	6.19	0.59	0.42	1.15	0.25	0.32
04/20/2010	6.56	4.77	27,333	9.59	2.83	6.03	0.54	0.38	1.12	0.26	0.31
04/21/2010	5.93	4.34	29,366	5.97	1.44	5.77	0.38	0.26	1.09	0.24	0.31
04/22/2010	5.60	4.21	30,352	5.35	1.14	5.45	0.32	0.21	1.05	0.24	0.30
04/23/2010	5.42	4.01	32,529	6.84	1.10	5.08	0.30	0.20	1.01	0.24	0.30
04/24/2010	5.59	3.93	34,651	7.47	1.53	4.52	0.28	0.19	0.90	0.25	0.29
04/25/2010	5.61	3.85	33,587	7.22	1.38	3.89	0.29	0.19	0.76	0.24	0.29
04/26/2010	5.99	4.16	27,912	8.67	1.74	3.28	0.31	0.21	0.58	0.24	0.28
04/27/2010	6.36	4.53	24,552	10.12	2.86	2.93	0.37	0.25	0.47	0.24	0.27
04/28/2010	6.65	4.47	23,524	8.89	2.37	2.61	0.40	0.28	0.39	0.24	0.26
04/29/2010	6.63	4.29	25,974	7.27	1.73	2.36	0.39	0.27	0.34	0.22	0.25
04/30/2010	6.22	4.08	27,297	5.15	1.18	2.10	0.33	0.22	0.29	0.21	0.24
05/01/2010	6.12	4.15	28,592	4.75	0.95	1.90	0.31	0.21	0.27	0.21	0.24
05/02/2010	5.96	4.03	29,204	4.29	0.68	1.71	0.29	0.19	0.25	0.21	0.24
05/03/2010	5.51	3.91	29,678	3.50	0.50	1.53	0.27	0.18	0.23	0.20	0.23
05/04/2010	5.15	3.83	27,759	5.04	0.61	1.37	0.26	0.17	0.22	0.20	0.23
05/05/2010	4.84	3.73	26,193	6.34	0.90	1.33	0.26	0.17	0.21	0.21	0.23
05/06/2010	4.75	3.51	25,000	6.69	1.37	1.35	0.26	0.17	0.21	0.20	0.22
05/07/2010	4.60	e	24,891	8.29	2.86	1.47	0.35	0.23	0.21	0.20	0.22
05/08/2010	x	e	23,514	11.43	4.28	1.67	0.55	0.39	0.22	0.20	0.22
05/09/2010	x	e	21,939	13.42	4.63	1.90	0.60	0.43	0.24	0.20	0.21
05/10/2010	5.48	3.80	22,516	13.25	4.83	2.12	0.67	0.48	0.26	0.20	0.21
05/11/2010	5.76	3.68	22,091	11.67	3.86	2.20	0.65	0.47	0.28	0.20	0.21
05/12/2010	5.64	3.71	22,007	11.39	3.83	2.30	0.59	0.42	0.29	0.20	0.20
05/13/2010	5.98	3.98	21,035	11.89	4.25	2.48	0.70	0.51	0.30	0.20	0.20
05/14/2010	6.30	4.18	20,621	12.96	4.65	2.73	0.86	0.64	0.33	0.21	0.20
05/15/2010	6.39	4.20	19,212	12.02	4.12	2.95	0.82	0.61	0.36	0.22	0.20
05/16/2010	6.45	4.31	17,424	12.65	4.48	3.23	0.88	0.66	0.40	0.28	0.21
05/17/2010	6.52	4.34	16,888	13.23	4.50	3.51	0.90	0.67	0.43	0.31	0.22

Antioch Tides measured in feet above mean sea level.

Net Delta Outflow Index calculated from equation as specified in D-1641, revised June 1995.

Chippis Island EC calculated from measurements recorded at Mallard Slough.

Electrical Conductivity (EC) units: milliSiemens per Centimeter

md : mean daily

14dm : fourteen day running mean

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e - estimated value

## Delta Water Quality Conditions

Date	Antioch		Jersey Point		Emmaton		Cache Slough	Good Year Slough	Sunrise Club	Volanti Slough	Beldon Landing	Collinsville
	mdEC	14mdEC	mdEC	14mdEC	mdEC	14mdEC	mdEC	mhtEC	mhtEC	mhtEC	mhtEC	mhtEC
04/18/2010	0.31	0.36	0.27	0.26	0.22	0.21	0.63	3.85	3.68	3.50	3.33	0.26
04/19/2010	0.30	0.35	0.27	0.26	0.22	0.23	0.65	3.57	3.55	3.35	2.77	0.25
04/20/2010	0.30	0.35	0.27	0.26	0.22	0.23	0.65	3.10	3.25	3.07	2.22	0.27
04/21/2010	0.29	0.34	0.28	0.26	0.22	0.23	0.65	3.51	2.87	2.61	1.46	0.25
04/22/2010	0.29	0.34	0.28	0.26	0.22	0.23	0.62	3.16	2.29	2.16	1.18	0.24
04/23/2010	0.29	0.34	0.28	0.27	0.22	0.23	0.64	3.08	2.15	1.93	1.07	0.24
04/24/2010	0.30	0.33	0.29	0.27	0.22	0.23	0.65	2.82	1.78	1.56	1.01	0.25
04/25/2010	0.30	0.33	0.29	0.27	0.22	0.23	0.65	2.63	1.62	1.46	0.99	0.25
04/26/2010	0.30	0.32	0.29	0.27	0.22	0.23	0.66	2.12	1.45	1.36	1.03	0.24
04/27/2010	0.30	0.31	0.29	0.28	0.22	0.22	0.62	1.60	1.37	1.29	1.20	0.24
04/28/2010	0.30	0.31	0.29	0.28	0.21	0.22	0.66	1.63	1.37	1.36	1.20	0.23
04/29/2010	0.29	0.30	0.29	0.28	0.21	0.22	0.66	1.85	1.41	1.41	1.23	0.23
04/30/2010	0.30	0.30	0.29	0.28	0.21	0.22	0.65	2.00	1.49	1.39	1.32	0.22
05/01/2010	0.29	0.30	0.29	0.28	0.21	0.22	0.65	1.97	1.51	1.35	1.40	0.21
05/02/2010	0.29	0.30	0.29	0.28	0.20	0.22	0.67	2.02	1.64	1.39	1.49	0.21
05/03/2010	0.29	0.30	0.29	0.29	0.20	0.21	0.67	2.27	1.75	1.52	1.55	0.20
05/04/2010	0.29	0.30	0.29	0.29	0.19	0.21	0.64	2.31	1.86	1.69	1.60	0.21
05/05/2010	0.29	0.29	0.28	0.29	0.19	0.21	0.62	2.45	2.05	1.78	1.64	0.21
05/06/2010	0.29	0.30	0.28	0.29	0.18	0.21	0.59	2.98	2.07	1.80	1.67	0.21
05/07/2010	0.00 x	0.30	0.27	0.29	0.18	0.20	0.56	2.89	1.94	1.67	1.62	e
05/08/2010	0.00 x	0.30	0.26	0.28	0.18	0.20	0.53	2.39	1.87	1.68	1.59	e
05/09/2010	0.00 x	0.29	0.26	0.28	0.18	0.20	0.52	2.31	1.84	1.72	1.61	e
05/10/2010	0.27	0.29	0.25	0.28	0.18	0.20	0.53	2.81	1.78	1.71	1.56	0.20
05/11/2010	0.27	0.29	0.25	0.28	0.18	0.19	0.54	3.31	1.93	1.70	1.61	0.21
05/12/2010	0.27	0.29	0.25	0.27	0.18	0.19	0.51	3.11	1.95	1.77	1.68	0.19
05/13/2010	0.27	0.28	0.25	0.27	0.19	0.19	0.50	2.68	2.05	1.90	1.79	0.20
05/14/2010	0.27	0.28	0.25	0.27	0.19	0.19	0.51	2.60	2.03	1.93	1.87	0.22
05/15/2010	0.27	0.28	0.24	0.26	0.19	0.19	0.49	2.52	2.08	1.97	1.97	0.23
05/16/2010	0.27	0.28	0.24	0.26	0.20	0.19	0.48	2.69	2.11	2.08	2.00	0.29
05/17/2010	0.28	0.27	0.24	0.26	0.20	0.19	0.47	2.82	2.18	2.17	2.08	0.32

Electrical Conductivity (EC) units: milliSiemens per Centimeter

Chloride (Cl) units: milligrams per liter

mht : mean high tides

md : mean daily

NR : No Record

NC : Average not computed due to insufficient data

BR : Below Rating

e : estimated value

## Delta Water Quality Conditions

Date	Bethel Island mdEC	Farrar Park mdEC	Holland Tract mdEC	Bacon Island mdEC	Contra Costa mdEC	Clifton Court mdEC	Tracy Pumping Plant mdEC	Antioch mdCl	Bacon Island mdCl	Contra Costa mdCl	Delta Status
04/18/2010	0.30	0.33	0.35	0.45	0.53	0.42	0.46	28	79	86	f
04/19/2010	0.29	0.33	0.35	0.46	0.53	0.41	0.44	26	81	98	f
04/20/2010	0.29	0.33	0.36	0.46	0.53	0.39	0.43	25	82	98	f
04/21/2010	0.31	0.34	0.37	0.48	0.53	0.37	0.42	22	88	99	f
04/22/2010	0.31	0.35	0.37	0.51	0.53	0.38	0.41	21	95	100	f
04/23/2010	0.31	0.35	0.40	0.51	0.53	0.36	0.40	23	96	98	f
04/24/2010	0.31	0.35	0.39	0.52	0.53	0.35	0.39	25	98	94	f
04/25/2010	0.32	0.36	0.39	0.52	0.54	0.34	0.39	26	97	98	f
04/26/2010	NC	0.36	0.37	0.51	0.54	0.32	0.38	26	96	103	f
04/27/2010	0.32	0.35	0.39	0.50	0.54	0.30	0.35	26	93	102	f
04/28/2010	0.32	0.35	0.41	0.50	0.54	0.29	0.34	26	93	104	f
04/29/2010	0.33	0.36	0.41	0.49	0.54	0.30	0.34	24	91	107	f
04/30/2010	0.34	0.36	0.41	0.49	0.54	0.29	0.33	25	90	103	f
05/01/2010	0.35	0.37	0.40	0.48	0.54	0.30	0.33	23	88	107	f
05/02/2010	0.35	0.37	0.40	0.47	0.55	0.32	0.34	22	86	108	f
05/03/2010	0.33	0.37	0.41	0.47	0.55	0.32	0.35	23	85	107	f
05/04/2010	0.34	0.36	0.41	0.47	0.55	0.32	0.35	22	84	107	f
05/05/2010	0.35	0.36	0.40	0.46	0.59	0.33	0.35	22	83	102	f
05/06/2010	0.33	0.36	0.40	0.46	0.70	0.31	0.35	22	82	101	f
05/07/2010	0.32	0.36	0.38	0.46	0.81	0.28	0.33	3 x	81	102	f
05/08/2010	0.32	0.36	0.38	0.45	0.80	0.25	0.30	3 x	80	103	f
05/09/2010	0.32	0.35	0.38	0.45	0.80	0.23	0.29	3 x	79	99	f
05/10/2010	0.31	0.35	0.39	0.44	0.79	0.23	0.28	17	78	102	f
05/11/2010	0.32	0.35	0.38	0.44	0.81	0.23	0.27	15	77	107	f
05/12/2010	0.36	0.36	0.38	0.44	1.13	0.22	0.27	15	76	108	f
05/13/2010	0.34	0.35	0.37	0.43	1.37	0.23	0.26	14	74	103	f
05/14/2010	0.31	0.34	0.36	0.42	1.39	0.23	0.27	14	73	103	f
05/15/2010	0.31	0.34	0.36	0.42	1.39	0.24	0.29	15	71	113	f
05/16/2010	0.32	0.33	0.35	0.41	1.40	0.25	0.27	16	70	112	f
05/17/2010	0.32	0.33	0.35	0.41	1.35	0.27	0.30	18	69	203	f

Electrical Conductivity (EC) units: milliSiemens per Centimeter  
 Chloride (Cl) units: milligrams per liter  
 md : mean daily  
 NR : No Record  
 NC : Average not computed due to insufficient data  
 BR : Below Rating  
 e : estimated value  
 Antioch and Bacon Island mdCl are calculated from the respective mdEC values.

Coordinated Operation Agreement Delta Status:  
 c = excess Delta conditions  
 b = balanced Delta cond. w/ no storage withdrawal  
 s = balanced Delta cond. w/ storage withdrawal  
 Excess Delta conditions with restrictions:  
 f = fish concerns  
 r = E/I ratio concerns

**Delta Water Quality Conditions****South Delta Stations**

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle River	
	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg	md EC	30 day avg
04/18/2010	0.33	0.61	0.35	0.69	0.45	0.84	0.36	0.70
04/19/2010	0.34	0.60	0.35	0.67	0.43	0.82	0.35	0.68
04/20/2010	0.34	0.58	0.35	0.65	0.41	0.80	0.36	0.66
04/21/2010	0.31	0.56	0.35	0.63	0.41	0.77	0.35	0.64
04/22/2010	0.31	0.55	0.32	0.61	0.44	0.75	0.32	0.62
04/23/2010	0.30	0.53	0.32	0.59	0.42	0.73	0.33	0.60
04/24/2010	0.28	0.52	0.31	0.57	0.39	0.71	0.32	0.59
04/25/2010	0.26	0.50	0.29	0.56	0.38	0.69	0.29	0.56
04/26/2010	0.26	0.48	0.27	0.53	0.34	0.67	0.28	0.54
04/27/2010	0.26	0.46	0.27	0.51	0.31	0.64	0.28	0.52
04/28/2010	0.26	0.44	0.27	0.49	0.31	0.61	0.28	0.50
04/29/2010	0.27	0.43	0.27	0.47	0.33	0.58	0.28	0.47
04/30/2010	0.29	0.41	0.29	0.45	0.36	0.56	0.30	0.45
05/01/2010	0.28	0.39	0.30	0.43	0.37	0.54	0.31	0.43
05/02/2010	0.28	0.37	0.30	0.41	0.38	0.52	0.30	0.41
05/03/2010	0.28	0.36	0.29	0.39	0.38	0.50	0.30	0.39
05/04/2010	0.27	0.35	0.29	0.37	0.40	0.48	0.29	0.38
05/05/2010	0.24	0.34	0.28	0.36	0.40	0.46	0.29	0.37
05/06/2010	0.21	0.33	0.25	0.35	0.38	0.45	0.25	0.36
05/07/2010	0.20	0.32	0.22	0.34	0.35	0.44	0.22	0.35
05/08/2010	0.19	0.31	0.21	0.34	0.30	0.43	0.21	0.34
05/09/2010	0.19	0.30	0.20	0.33	0.28	0.42	0.21	0.33
05/10/2010	0.19	0.30	0.21	0.32	0.30	0.41	0.21	0.32
05/11/2010	0.19	0.29	0.20	0.31	0.31	0.40	0.20	0.32
05/12/2010	0.19	0.28	0.21	0.30	0.35	0.39	0.22	0.31
05/13/2010	0.20	0.27	0.21	0.29	0.33	0.39	0.22	0.30
05/14/2010	0.22	0.27	0.22	0.29	0.30	0.38	0.23	0.29
05/15/2010	0.24	0.26	0.24	0.28	0.28	0.37	0.25	0.29
05/16/2010	0.25	0.26	0.26	0.28	0.31	0.36	0.27	0.28
05/17/2010	0.26	0.26	0.27	0.27	0.31	0.36	0.28	0.28

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