

Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh
Thursday, January 19, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	65 %	44 %
NDOI, monthly average *	>= 4,500 cfs	6,210 cfs
NDOI, 7 day average*	>= 3,500 cfs	6,331 cfs

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l Export Areas for SWP, CVP, CCWD, et al	175 days <= 250 mg/l Cl	17 days 153 mg/l
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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:

Suisun Marsh Salinity Control Gates : 0 Open / 0 Closed / 3 Full Tide Open
Flashboard Status : In
Boat Lock Status : Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Jan 1, 2012)

Previous Month's Index (8RI for Dec.) : 0.491 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% : 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:
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
12/21/2011	6.27	3.90	7,706	25.57	14.56	16.46	9.10	8.65	8.40	4.95	4.34
12/22/2011	6.21	3.85	6,373	25.30	13.84	16.16	8.94	8.48	8.42	5.32	4.51
12/23/2011	6.18	3.70	7,509	24.89	13.90	15.89	8.77	8.30	8.40	4.57	4.59
12/24/2011	6.02	3.62	6,873	24.57	13.54	15.58	8.53	8.05	8.35	4.02	4.57
12/25/2011	6.06	3.68	6,486	24.60	13.60	15.20	8.43	7.95	8.21	4.33	4.47
12/26/2011	5.96	3.76	5,830	24.14	14.02	14.87	8.61	8.14	8.10	4.58	4.40
12/27/2011	5.57	3.60	5,373	23.41	13.75	14.50	8.12	7.63	7.95	4.17	4.29
12/28/2011	5.18	3.53	4,990	22.81	13.03	14.20	7.65	7.13	7.85	3.74	4.22
12/29/2011	4.91	3.48	4,855	22.65	12.91	14.02	7.67	7.16	7.82	3.72	4.20
12/30/2011	5.17	3.50	4,155	22.29	13.49	13.93	7.86	7.35	7.80	3.87	4.22
12/31/2011	5.08	3.27	5,656	22.15	13.01	13.83	7.46	6.94	7.79	3.70	4.24
01/01/2012	5.15	3.26	6,850	21.89	13.10	13.72	7.68	7.17	7.78	3.95	4.24
01/02/2012	5.70	3.63	6,051	23.45	15.47	13.77	9.20	8.75	7.84	5.15	4.31
01/03/2012	5.62	3.64	5,791	24.21	15.97	13.87	9.71	9.29	7.93	5.38	4.39
01/04/2012	5.68	3.66	5,793	25.57	16.57	14.01	9.99	9.59	7.99	5.39	4.42
01/05/2012	5.78	3.74	5,878	25.56	17.56	14.28	10.54	10.18	8.12	6.14	4.48
01/06/2012	6.07	3.92	5,647	26.44	18.37	14.60	11.46	11.15	8.32	7.24	4.67
01/07/2012	6.25	3.94	5,296	26.18	18.14	14.93	10.81	10.46	8.49	7.43	4.91
01/08/2012	5.99	3.78	6,516	26.47	17.98	15.24	10.99	10.66	8.68	6.34	5.06
01/09/2012	5.95	3.84	5,982	26.61	18.63	15.57	10.89	10.54	8.86	6.54	5.20
01/10/2012	6.01	3.92	6,426	26.71	18.67	15.92	11.26	10.94	9.09	6.87	5.39
01/11/2012	5.93	3.95	6,845	26.40	17.78	16.26	11.45	11.15	9.38	7.01	5.62
01/12/2012	5.56	3.82	6,716	25.67	16.29	16.50	10.88	10.53	9.62	6.41	5.82
01/13/2012	5.08	3.64	--	24.99	15.10	16.62	10.09	9.70	9.79	5.80	5.95
01/14/2012	5.21	3.55	6,520	24.48	13.80	16.67	9.90	9.49	9.97	5.62	6.09
01/15/2012	5.63	3.76	6,413	25.10	11.91	16.59	10.87	10.53	10.21	6.34	6.26
01/16/2012	5.59	3.50	5,985	24.12	9.24	16.14	9.62	9.19	10.24	5.73	6.30
01/17/2012	5.64	3.43	6,568	23.36	11.09	15.79	9.11	8.66	10.20	5.37	6.30
01/18/2012	5.80	3.53	6,286	24.14	16.63	15.80	9.45	9.01	10.16	5.29	6.29
01/19/2012	6.10	3.73	6,217	25.18	17.77	15.81	10.24	9.86	10.13	5.79	6.27

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
12/21/2011	3.18	2.97	1.39	1.06	0.67	0.49	0.76	12.60	11.71	12.04	11.71	6.99
12/22/2011	2.88	3.00	1.35	1.12	0.56	0.50	0.73	12.68	12.21	12.20	12.16	6.04
12/23/2011	2.86	3.01	1.31	1.16	0.73	0.52	0.71	12.96	12.35	12.26	12.12	5.42
12/24/2011	2.73	2.98	1.26	1.20	0.72	0.53	0.75	12.92	12.41	12.34	11.79	5.25
12/25/2011	2.72	2.92	1.22	1.21	0.69	0.52	0.75	11.65	12.58	12.38	11.97	5.56
12/26/2011	2.76	2.86	1.20	1.22	0.77	0.52	0.76	11.62	12.50	12.46	12.10	5.83
12/27/2011	2.55	2.78	1.14	1.21	0.64	0.52	0.73	11.50	12.31	12.32	12.02	5.03
12/28/2011	2.41	2.72	1.09	1.21	0.54	0.52	0.73	11.44	11.93	12.06	11.53	4.42
12/29/2011	2.37	2.69	1.10	1.22	0.47	0.53	0.74	11.37	11.64	11.92	11.77	4.73
12/30/2011	2.42	2.67	1.10	1.21	0.47	0.54	0.77	11.37	11.75	11.85	11.78	5.09
12/31/2011	2.25	2.66	1.06	1.21	0.39	0.55	0.77	12.55	11.43	11.44	11.76	4.81
01/01/2012	2.35	2.64	1.03	1.20	0.41	0.56	0.86	12.57	11.12	11.32	11.55	5.65
01/02/2012	3.06	2.67	1.14	1.19	0.73	0.59	0.87	12.44	11.16	11.45	11.69	7.04
01/03/2012	3.13	2.69	1.10	1.18	0.62	0.60	0.79	12.58	11.21	11.36	11.52	6.33
01/04/2012	3.35	2.70	1.17	1.16	0.77	0.61	0.78	12.62	11.45	11.54	11.39	6.46
01/05/2012	3.63	2.76	1.22	1.15	0.91	0.63	0.80	11.90	11.57	11.72	10.57	7.61
01/06/2012	3.99	2.84	1.34	1.16	1.13	0.66	0.80	12.01	11.80	11.69	10.18	9.01
01/07/2012	3.73	2.91	1.33	1.16	0.79	0.67	0.78	11.75	11.28	11.27	9.26	8.90
01/08/2012	3.88	2.99	1.31	1.17	1.16	0.70	0.78	11.78	10.74	10.81	8.26	8.51
01/09/2012	3.96	3.08	1.31	1.17	1.23	0.73	0.74	11.78	10.58	10.34	7.91	8.81
01/10/2012	4.17	3.19	1.28	1.18	1.25	0.78	0.76	11.74	10.15	9.94	8.29	8.45
01/11/2012	4.15	3.32	1.34	1.20	1.19	0.82	0.76	11.67	9.42	9.79	8.12	8.55
01/12/2012	3.96	3.43	1.30	1.22	0.96	0.86	0.78	11.44	8.96	9.45	7.42	8.32
01/13/2012	3.55	3.51	1.25	1.23	0.80	0.88	0.81	11.22	8.87	8.93	7.27	6.36
01/14/2012	3.41	3.59	1.24	1.24	0.69	0.90	0.77	11.07	8.70	8.71	7.38	7.26
01/15/2012	3.70	3.69	1.32	1.26	0.99	0.94	0.85	12.01	9.04	8.90	7.33	8.27
01/16/2012	3.34	3.71	1.25	1.27	0.73	0.94	0.89	12.33	8.89	8.70	6.80	7.11
01/17/2012	3.14	3.71	1.26	1.28	0.75	0.95	0.81	12.32	8.88	8.86	6.77	6.75
01/18/2012	3.34	3.71	1.31	1.29	0.91	0.96	0.79	12.36	8.99	8.86	7.09	6.86
01/19/2012	3.74	3.72	1.41	1.30	1.15	0.98	0.81	11.87	9.43	8.79	7.02	7.71

Electrical Conductivity (EC) units: milliSiemens per Centimeter
 Chloride (Cl) units: milligrams per liter
 mht : mean high tides
 md : mean daily
 NR : No Record
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 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
12/21/2011	0.88	0.79	0.60	0.49	0.36	0.37	0.47	943	89	36	s
12/22/2011	0.90	0.80	0.67	0.53	0.39	0.41	0.51	847	100	45	s
12/23/2011	0.94	0.82	0.67	0.57	0.42	0.44	0.53	842	111	56	s
12/24/2011	0.96	0.83	0.67	0.59	0.45	0.44	0.53	801	115	56	s
12/25/2011	0.96	0.84	0.68	0.59	0.48	0.49	0.54	795	116	56	s
12/26/2011	0.95	0.85	0.70	0.61	0.50	0.50	0.54	811	120	56	s
12/27/2011	0.95	0.85	0.71	0.62	0.53	0.52	0.55	742	124	81	s
12/28/2011	0.94	0.85	0.70	0.63	0.55	0.53	0.56	697	128	94	s
12/29/2011	0.93	0.86	0.72	0.64	0.56	0.52	0.59	685	131	102	s
12/30/2011	0.93	0.87	0.73	0.66	0.57	0.53	0.59	701	135	107	s
12/31/2011	0.93	0.87	0.74	0.67	0.59	0.55	0.37	648	138	122	s
01/01/2012	0.92	0.87	0.74	0.68	0.60	0.58	0.00	678	141	120	s
01/02/2012	0.91	0.89	0.74	0.68	0.61	0.57	0.00	905	141	129	s
01/03/2012	0.92	0.90	0.74	0.68	0.62	0.61	0.52	926	140	126	s
01/04/2012	0.91	0.90	0.73	0.67	0.63	0.58	0.67	996	139	128	s
01/05/2012	0.90	0.90	0.73	0.67	0.63	0.58	0.65	1,087	137	130	s
01/06/2012	0.90	0.86	0.73	0.66	0.64	0.60	0.66	1,200	135	133	s
01/07/2012	0.90	0.91	0.74	0.66	0.65	0.60	0.65	1,119	135	133	s
01/08/2012	0.90	0.89	0.75	0.67	0.65	0.60	0.66	1,166	138	133	s
01/09/2012	0.90	0.90	0.74	0.68	0.66	0.61	0.68	1,190	139	139	s
01/10/2012	0.91	0.92	0.74	0.68	0.66	0.63	0.66	1,259	139	139	s
01/11/2012	0.91	0.89	0.73	0.68	0.66	0.65	0.65	1,253	139	141	s
01/12/2012	0.93	0.90	0.74	0.68	0.66	0.65	0.67	1,191	139	141	s
01/13/2012	0.93	0.91	0.73	0.68	0.67	0.65	0.68	1,062	139	143	s
01/14/2012	0.94	0.89	0.74	0.67	0.68	0.66	0.70	1,017	138	143	s
01/15/2012	0.95	0.91	0.76	0.67		NR	0.67	1,108	137	143	s
01/16/2012	0.95	0.95	0.76	0.68		NR	0.65	994	140	143	s
01/17/2012	0.96	0.90	0.76	0.68		NR	0.66	930	141	149	s
01/18/2012	0.96	0.91	0.78	0.67		NR	0.62	993	138	149	s
01/19/2012	0.96	0.95	0.78	0.68		NR	0.64	1,122	140	153	s

Electrical Conductivity (EC) units: milliSiemens per Centimeter
 Chloride (Cl) units: milligrams per liter
 md : mean daily
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 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
12/21/2011	0.75	0.69	0.83	0.74	0.92	0.86	0.79	0.65
12/22/2011	0.76	0.70	0.82	0.75	0.88	0.86	0.77	0.66
12/23/2011	0.75	0.70	0.82	0.76	0.86	0.86	0.77	0.67
12/24/2011	0.76	0.71	0.81	0.76	0.86	0.87	0.78	0.68
12/25/2011	0.76	0.71	0.82	0.77	0.90	0.88	0.78	0.69
12/26/2011	0.76	0.72	0.81	0.77	0.88	0.89	0.78	0.69
12/27/2011	0.75	0.72	0.82	0.78	0.86	0.89	0.78	0.70
12/28/2011	0.76	0.73	0.82	0.79	0.88	0.89	0.78	0.70
12/29/2011	0.76	0.73	0.81	0.79	0.88	0.90	0.78	0.71
12/30/2011	0.79	0.74	0.81	0.79	0.89	0.90	0.77	0.72
12/31/2011	0.78	0.74	0.81	0.80	0.90	0.90	0.80	0.72
01/01/2012	0.74	0.74	0.84	0.80	0.92	0.90	0.81	0.73
01/02/2012	0.73	0.74	0.84	0.81	0.95	0.90	0.77	0.74
01/03/2012	0.76	0.74	0.81	0.81	0.93	0.90	0.76	0.75
01/04/2012	0.77	0.74	0.79	0.81	0.91	0.89	0.79	0.76
01/05/2012	0.75	0.75	0.80	0.81	0.88	0.89	0.81	0.77
01/06/2012	0.76	0.75	0.83	0.81	0.90	0.89	0.79	0.78
01/07/2012	0.75	0.75	0.83	0.81	0.90	0.89	0.80	0.78
01/08/2012	0.76	0.75	0.82	0.81	0.89	0.89	0.78	0.78
01/09/2012	0.79	0.75	0.82	0.81	0.89	0.89	0.78	0.78
01/10/2012	0.78	0.76	0.81	0.81	0.88	0.89	0.79	0.78
01/11/2012	0.74	0.76	0.82	0.82	0.88	0.90	0.79	0.79
01/12/2012	0.71	0.76	0.84	0.82	0.91	0.90	0.77	0.79
01/13/2012	0.70	0.76	0.83	0.82	0.92	0.90	0.73	0.78
01/14/2012	0.69	0.75	0.80	0.82	0.91	0.90	0.72	0.78
01/15/2012	0.70	0.75	0.78	0.82	0.91	0.90	0.73	0.78
01/16/2012	0.72	0.75	0.77	0.82	0.90	0.90	0.73	0.78
01/17/2012	0.73	0.75	0.76	0.81	0.93	0.90	0.74	0.78
01/18/2012	0.69	0.75	0.76	0.81	0.94	0.90	0.78	0.78
01/19/2012	0.67	0.74	0.79	0.81	0.94	0.90	0.74	0.77

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Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh
Wednesday, February 08, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	45 %	27 %
Vernalis Base Flow : Monthly average *	>=710 cfs	1,771 cfs
7 Day average *	>= 568 cfs	1,732 cfs
Habitat Protection, X2 / Flow	22 days at Chipps Island	4 day

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	18 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	156 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:

Suisun Marsh Salinity Control Gates :	0 Open / 0 Closed / 3 Full Tide Open
Flashboard Status :	In
Boat Lock Status :	Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Feb 1, 2012)

Previous Month's Index (8RI for Jan.): 0.957 MAF
 Water Year Type: Dry
 Sacramento valley water year type index (40/30/30) @ 50%: 6.0 MAF (Dry)
 San Joaquin valley water year type index (60/20/20) @ 75%: 2.0 MAF (Critical)

Electrical Conductivity (EC) in milliSiemens per Centimeter.
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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
01/10/2012	6.01	3.92	6,426	26.71	18.67	15.92	11.26	10.94	9.09	6.87	5.39
01/11/2012	5.93	3.95	6,845	26.40	17.78	16.26	11.45	11.15	9.38	7.01	5.62
01/12/2012	5.56	3.82	6,716	25.67	16.29	16.50	10.88	10.53	9.62	6.41	5.82
01/13/2012	5.08	3.64	--	24.99	15.10	16.62	10.09	9.70	9.79	5.80	5.95
01/14/2012	5.21	3.55	6,520	24.48	13.80	16.67	9.90	9.49	9.97	5.62	6.09
01/15/2012	5.63	3.76	6,413	25.10	11.91	16.59	10.87	10.53	10.21	6.34	6.26
01/16/2012	5.59	3.50	5,985	24.12	9.24	16.14	9.62	9.19	10.24	5.73	6.30
01/17/2012	5.64	3.43	6,568	23.36	11.09	15.79	9.11	8.66	10.20	5.37	6.30
01/18/2012	5.80	3.53	6,286	24.14	16.63	15.80	9.45	9.01	10.16	5.29	6.29
01/19/2012	6.10	3.73	6,217	25.18	17.77	15.81	10.24	9.66	10.13	5.79	6.27
01/20/2012	6.41	4.11	6,484	26.27	18.37	15.81	11.11	10.78	10.11	6.34	6.20
01/21/2012	6.96	4.65	9,798	26.67	19.69	15.93	12.93	12.75	10.27	7.96	6.24
01/22/2012	6.33	4.13	14,612	24.85	17.33	15.88	10.07	9.67	10.20	5.49	6.18
01/23/2012	6.70	4.61	17,727	24.69	17.21	15.78	10.22	9.83	10.15	5.27	6.09
01/24/2012	5.90	3.96	28,433	20.50	13.70	15.42	7.07	6.54	9.84	3.28	5.83
01/25/2012	5.38	3.65	31,778	17.79	10.86	14.93	4.55	4.02	9.33	1.71	5.46
01/26/2012	5.26	3.71	31,218	16.29	9.34	14.43	3.47	2.98	8.79	1.15	5.08
01/27/2012	5.14	3.56	26,825	14.99	7.74	13.91	2.45	2.03	8.24	0.84	4.73
01/28/2012	5.10	3.37	22,449	14.21	6.35	13.37	1.88	1.52	7.67	0.57	4.37
01/29/2012	5.10	3.32	17,401	13.80	6.43	12.98	1.69	1.34	7.01	0.48	3.95
01/30/2012	5.46	3.60	15,609	15.14	7.58	12.86	2.03	1.65	6.47	0.56	3.58
01/31/2012	5.63	3.71	14,078	15.60	8.02	12.64	2.52	2.10	6.01	0.85	3.25
02/01/2012	5.67	3.73	12,937	16.15	9.15	12.11	2.90	2.44	5.54	0.91	2.94
02/02/2012	5.61	3.77	12,450	17.04	9.74	11.54	3.03	2.56	5.01	0.89	2.59
02/03/2012	5.84	3.94	11,800	19.79	10.69	10.99	3.80	3.29	4.48	1.23	2.23
02/04/2012	5.96	3.96	11,109	19.61	11.63	10.41	4.40	3.88	3.85	1.53	1.77
02/05/2012	6.00	3.92	10,211	20.14	12.07	10.04	4.78	4.25	3.46	1.74	1.50
02/06/2012	6.10	4.04	9,922	20.40	12.11	9.67	5.13	4.59	3.08	1.95	1.26
02/07/2012	6.45	4.31	9,343	21.45	13.07	9.63	6.22	5.68	3.02	2.80	1.23
02/08/2012	5.95	4.02	11,543	19.73	12.16	9.72	5.43	4.89	3.09	2.18	1.26

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
01/10/2012	4.17	3.19	1.28	1.18	1.25	0.78	0.76	11.74	10.15	9.94	8.29	8.45
01/11/2012	4.15	3.32	1.34	1.20	1.19	0.82	0.76	11.67	9.42	9.79	8.12	8.55
01/12/2012	3.96	3.43	1.30	1.22	0.96	0.86	0.78	11.44	8.96	9.45	7.42	8.32
01/13/2012	3.55	3.51	1.25	1.23	0.80	0.88	0.81	11.22	8.87	8.93	7.27	6.36
01/14/2012	3.41	3.59	1.24	1.24	0.69	0.90	0.77	11.07	8.70	8.71	7.38	7.26
01/15/2012	3.70	3.69	1.32	1.26	0.99	0.94	0.85	12.01	9.04	8.90	7.33	8.27
01/16/2012	3.34	3.71	1.25	1.27	0.73	0.94	0.89	12.33	8.89	8.70	6.80	7.11
01/17/2012	3.14	3.71	1.26	1.28	0.75	0.95	0.81	12.32	8.88	8.86	6.77	6.75
01/18/2012	3.34	3.71	1.31	1.29	0.91	0.96	0.79	12.36	8.99	8.86	7.09	6.86
01/19/2012	3.74	3.72	1.41	1.30	1.15	0.98	0.81	11.87	9.43	8.79	7.02	7.71
01/20/2012	4.29	3.74	1.54	1.32	1.45	1.00	0.82	9.35	9.72	9.10	7.00	8.72
01/21/2012	5.20	3.85	1.78	1.35	1.83	1.08	0.39	8.99	9.00	8.59	6.85	9.81
01/22/2012	3.72	3.83	1.38	1.36	0.89	1.06	0.45	11.18	8.65	8.37	6.75	7.34
01/23/2012	3.80	3.82	1.44	1.36	0.82	1.03	0.30	9.33	5.25	8.01	7.04	7.12
01/24/2012	2.53	3.71	1.13	1.35	0.37	0.97	0.31	9.60	7.14	7.17	7.51	4.26
01/25/2012	1.79	3.54	0.98	1.33	0.33	0.91	0.41	9.05	6.88	6.92	6.28	2.42
01/26/2012	1.42	3.35	0.90	1.30	0.27	0.86	0.47	8.20	6.11	6.23	5.69	1.74
01/27/2012	1.20	3.19	0.81	1.27	0.24	0.82	0.57	8.80	6.12	5.88	4.39	1.00
01/28/2012	1.04	3.02	0.75	1.23	0.21	0.78	0.61	9.55	5.64	5.42	2.99	0.69
01/29/2012	0.94	2.82	0.71	1.19	0.20	0.73	0.67	9.81	5.66	4.96	2.17	0.60
01/30/2012	0.89	2.64	0.70	1.15	0.20	0.69	0.75	9.27	5.93	4.59	1.82	0.73
01/31/2012	0.84	2.48	0.68	1.11	0.21	0.65	0.82	9.74	5.77	4.31	1.54	1.46
02/01/2012	0.79	2.30	0.67	1.06	0.23	0.60	0.79	9.57	5.43	4.16	1.42	1.63
02/02/2012	0.77	2.09	0.64	1.01	0.25	0.54	0.78	8.41	5.21	3.52	1.47	1.19
02/03/2012	0.81	1.84	0.63	0.94	0.28	0.45	0.73	8.36	4.05	3.35	1.68	1.73
02/04/2012	0.87	1.53	0.61	0.86	0.28	0.34	0.74	7.85	3.89	3.62	1.78	2.21
02/05/2012	0.90	1.33	0.58	0.80	0.29	0.30	0.79	8.38	3.82	3.62	1.96	2.34
02/06/2012	0.97	1.13	0.56	0.74	0.30	0.26	0.82	8.45	3.75	3.72	2.27	3.15
02/07/2012	1.18	1.03	0.56	0.70	0.34	0.26	0.85	7.72	3.84	3.56	2.65	3.77
02/08/2012	1.02	0.97	0.53	0.67	0.31	0.26	0.88	8.24	3.81	3.49	2.39	2.89

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
01/10/2012	0.91	0.92	0.74	0.68	0.66	0.63	0.66	1,259	139	139	s
01/11/2012	0.91	0.89	0.73	0.68	0.66	0.65	0.65	1,253	139	141	s
01/12/2012	0.93	0.90	0.74	0.68	0.66	0.65	0.67	1,191	139	141	s
01/13/2012	0.93	0.91	0.73	0.68	0.67	0.65	0.68	1,062	139	143	s
01/14/2012	0.94	0.89	0.74	0.67	0.68	0.66	0.70	1,017	138	143	s
01/15/2012	0.95	0.91	0.76	0.67	NR	0.67	0.65	1,108	137	143	s
01/16/2012	0.95	0.95	0.76	0.68	NR	0.65	0.68	994	140	143	s
01/17/2012	0.96	0.90	0.76	0.68	NR	0.66	0.67	930	141	149	s
01/18/2012	0.96	0.91	0.78	0.67	NR	0.62	0.67	993	138	149	s
01/19/2012	0.96	0.95	0.78	0.68	NR	0.64	0.69	1,122	140	153	s
01/20/2012	0.99	0.97	0.76	0.68	NR	0.64	0.71	1,298	139	159	s
01/21/2012	0.97	1.00	0.78	0.68	NR	0.65	0.68	1,585	139	159	s
01/22/2012	1.01	0.95	0.74	0.69	NR	0.67	0.69	1,114	143	159	s
01/23/2012	1.00	0.93	0.73	0.71	NR	0.66	0.67	1,139	147	158	s
01/24/2012	0.99	0.97	0.73	0.74	0.68	0.66	0.66	736	155	153	s
01/25/2012	0.97	0.95	0.74	0.73	0.68	0.66	0.65	499	154	151	s
01/26/2012	0.93	0.96	0.74	0.72	0.68	0.65	0.64	382	150	153	s
01/27/2012	0.89	0.93	0.76	0.70	0.69	0.65	0.63	312	146	154	s
01/28/2012	0.82	0.94	0.73	0.70	0.69	0.66	0.65	262	144	154	s
01/29/2012	0.78	0.90	0.71	0.68	0.70	0.68	0.66	229	141	154	s
01/30/2012	0.74	0.92	0.69	0.67	0.70	0.67	0.65	213	138	150	s
01/31/2012	0.71	0.89	0.67	0.65	0.70	0.67	0.65	197	131	155	s
02/01/2012	0.68	0.87	0.64	0.63	0.70	0.67	0.65	183	126	155	s
02/02/2012	0.65	0.85	0.62	0.62	0.70	0.66	0.66	175	123	156	s
02/03/2012	0.62	0.84	0.59	0.61	0.71	0.64	0.64	189	122	156	s
02/04/2012	0.59	0.81	0.57	0.59	0.71	0.63	0.64	207	116	156	s
02/05/2012	0.58	0.78	0.55	0.59	0.71	0.62	0.64	218	116	156	s
02/06/2012	0.56	0.75	0.54	0.61	0.71	0.60	0.63	239	122	156	s
02/07/2012	0.53	0.73	0.53	0.60	0.71	0.59	0.63	307	118	152	s
02/08/2012	0.52	0.71	0.51	0.58	0.70	0.63	0.67	255	113	156	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 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
01/10/2012	0.78	0.76	0.81	0.81	0.88	0.89	0.79	0.78
01/11/2012	0.74	0.76	0.82	0.82	0.88	0.90	0.79	0.79
01/12/2012	0.71	0.76	0.84	0.82	0.91	0.90	0.77	0.79
01/13/2012	0.70	0.76	0.83	0.82	0.92	0.90	0.73	0.78
01/14/2012	0.69	0.75	0.80	0.82	0.91	0.90	0.72	0.78
01/15/2012	0.70	0.75	0.78	0.82	0.91	0.90	0.73	0.78
01/16/2012	0.72	0.75	0.77	0.82	0.90	0.90	0.73	0.78
01/17/2012	0.73	0.75	0.76	0.81	0.93	0.90	0.74	0.78
01/18/2012	0.69	0.75	0.76	0.81	0.94	0.90	0.78	0.78
01/19/2012	0.67	0.74	0.79	0.81	0.94	0.90	0.74	0.77
01/20/2012	0.68	0.74	0.78	0.81	0.89	0.90	0.71	0.77
01/21/2012	0.66	0.74	0.74	0.81	0.86	0.90	0.71	0.77
01/22/2012	0.62	0.73	0.73	0.80	0.80	0.90	0.69	0.77
01/23/2012	0.62	0.73	0.72	0.80	0.81	0.89	0.66	0.76
01/24/2012	0.60	0.72	0.67	0.80	0.77	0.89	0.65	0.76
01/25/2012	0.62	0.72	0.67	0.79	0.77	0.89	0.63	0.75
01/26/2012	0.67	0.72	0.66	0.79	0.80	0.88	0.65	0.75
01/27/2012	0.66	0.71	0.69	0.78	0.80	0.88	0.71	0.75
01/28/2012	0.67	0.71	0.73	0.78	0.84	0.88	0.70	0.74
01/29/2012	0.66	0.71	0.71	0.77	0.92	0.88	0.70	0.74
01/30/2012	0.70	0.70	0.72	0.77	0.92	0.88	0.70	0.74
01/31/2012	0.65	0.70	0.72	0.77	0.87	0.88	0.73	0.74
02/01/2012	0.64	0.70	0.75	0.76	0.82	0.88	0.69	0.73
02/02/2012	0.63	0.69	0.71	0.76	0.81	0.87	0.69	0.73
02/03/2012	0.64	0.69	0.70	0.76	0.82	0.87	0.67	0.73
02/04/2012	0.71	0.69	0.70	0.75	0.81	0.87	0.67	0.72
02/05/2012	0.72	0.69	0.69	0.75	0.80	0.86	0.73	0.72
02/06/2012	0.73	0.69	0.74	0.75	0.82	0.86	0.76	0.72
02/07/2012	0.74	0.88	0.78	0.75	0.87	0.86	0.76	0.72
02/08/2012	0.73	0.68	0.80	0.75	0.86	0.86	0.77	0.72

Electrical Conductivity (EC) units: millSiemens 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, March 06, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	20 %
Vernalis Base Flow : Monthly average *	>=710 cfs	1,319 cfs
7 Day average *	>= 568 cfs	1,319 cfs
Habitat Protection, X2 / Flow		
	31 days at Collinsville	6 days

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	39 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	71 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	1.0 mS/cm
Old River Near Middle River	<= 1.0 mS/cm	0.9 mS/cm

SUISUN MARSH:

Suisun Marsh Salinity Control Gates :	3 Open / 0 Closed / 0 Full Tide Open
Flashboard Status : In	
Boat Lock Status : Open	

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Feb 1, 2012)

Previous Month's Index (8RI for Jan.): 0.957 MAF

Water Year Type: Dry

Sacramento valley water year type index (40/30/30) @ 50%: 6.0 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:
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	Chipps Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
02/06/2012	6.10	4.04	9,922	20.40	12.11	9.67	5.13	4.59	3.08	1.95	1.26
02/07/2012	6.45	4.31	9,343	21.45	13.07	9.63	6.22	5.68	3.02	2.80	1.23
02/08/2012	5.95	4.02	11,543	19.73	12.16	9.72	5.43	4.89	3.09	2.18	1.26
02/09/2012	5.57	3.78	12,846	18.60	10.79	9.82	4.55	4.02	3.16	1.63	1.30
02/10/2012	5.47	3.90	12,523	18.38	10.57	10.03	4.42	3.90	3.29	1.60	1.35
02/11/2012	5.68	3.92	12,967	17.44	10.26	10.30	4.19	3.67	3.45	1.41	1.41
02/12/2012	5.77	3.94	13,335	17.18	9.76	10.54	3.82	3.31	3.59	1.31	1.47
02/13/2012	6.14	3.94	12,267	16.26	9.52	10.68	3.73	3.23	3.70	1.30	1.52
02/14/2012	5.85	3.64	12,955	15.72	8.22	10.69	2.80	2.35	3.72	0.88	1.53
02/15/2012	6.08	3.78	11,873	16.17	7.74	10.59	2.69	2.25	3.70	1.03	1.54
02/16/2012	5.85	3.68	11,531	15.41	6.68	10.38	2.25	1.85	3.65	0.85	1.53
02/17/2012	5.88	3.73	11,725	15.62	7.99	10.18	2.46	2.04	3.56	0.74	1.50
02/18/2012	5.84	3.76	11,372	16.26	8.19	9.94	2.69	2.25	3.45	0.80	1.44
02/19/2012	5.70	3.61	11,018	15.51	7.67	9.62	2.41	1.99	3.29	0.70	1.37
02/20/2012	5.67	3.65	11,436	15.87	7.47	9.29	2.32	1.91	3.09	0.67	1.28
02/21/2012	5.36	3.47	10,659	14.96	7.13	8.87	2.11	1.72	2.81	0.56	1.12
02/22/2012	5.19	3.47	11,202	15.18	7.23	8.51	2.01	1.63	2.58	0.51	1.00
02/23/2012	5.15	3.54	11,255	14.50	7.38	8.27	1.95	1.58	2.41	0.61	0.93
02/24/2012	5.05	3.59	10,814	16.47	7.70	8.07	2.29	1.88	2.26	0.54	0.85
02/25/2012	5.25	3.36	9,913	14.25	7.01	7.83	1.96	1.59	2.11	0.49	0.79
02/26/2012	4.98	3.52	10,443	14.98	7.24	7.65	1.89	1.53	1.98	0.41	0.72
02/27/2012	5.48	3.78	9,204	16.28	8.07	7.55	2.33	1.92	1.89	0.57	0.67
02/28/2012	5.35	3.67	8,998	16.99	8.29	7.56	2.36	1.95	1.86	0.48	0.64
02/29/2012	5.88	3.82	8,800	17.40	9.53	7.68	2.75	2.31	1.87	0.69	0.62
03/01/2012	5.21	3.62	10,200	16.04	8.56	7.82	2.52	2.09	1.88	0.53	0.59
03/02/2012	4.99	3.35	11,565	15.51	7.73	7.80	1.97	1.59	1.85	0.57	0.58
03/03/2012	4.99	3.32	11,395	16.60	8.11	7.79	2.03	1.65	1.81	0.49	0.56
03/04/2012	5.23	3.43	10,776	18.58	9.60	7.93	2.78	2.33	1.83	0.62	0.55
03/05/2012	5.58	3.67	10,466	19.54	11.80	8.24	4.00	3.49	1.95	1.23	0.59
03/06/2012	5.77	3.82	8,273	20.79	12.09	8.60	4.67	4.14	2.12	1.66	0.67

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
02/06/2012	0.97	1.13	0.56	0.74	0.30	0.26	0.82	8.45	3.75	3.72	2.27	3.15
02/07/2012	1.18	1.03	0.56	0.70	0.34	0.26	0.85	7.72	3.84	3.56	2.65	3.77
02/08/2012	1.02	0.97	0.53	0.67	0.31	0.26	0.88	8.24	3.81	3.49	2.39	2.89
02/09/2012	0.89	0.94	0.50	0.64	0.30	0.26	0.76	8.59	3.39	3.37	2.59	2.19
02/10/2012	0.88	0.91	0.49	0.62	0.30	0.26	0.72	8.56	3.41	3.43	2.93	2.29
02/11/2012	0.86	0.90	0.48	0.60	0.29	0.27	0.73	8.41	3.64	3.45	2.80	2.43
02/12/2012	0.80	0.89	0.47	0.58	0.28	0.28	0.76	8.62	3.52	3.29	2.30	1.84
02/13/2012	0.85	0.89	0.47	0.56	0.32	0.28	0.78	8.65	4.02	3.37	2.12	1.82
02/14/2012	0.71	0.88	0.45	0.55	0.29	0.29	0.85	9.66	3.62	3.54	2.19	1.24
02/15/2012	0.72	0.87	0.46	0.53	0.30	0.30	0.78	9.39	4.19	3.82	2.59	1.29
02/16/2012	0.63	0.87	0.43	0.52	0.29	0.30	0.77	8.75	3.99	3.99	2.89	0.95
02/17/2012	0.65	0.85	0.42	0.50	0.30	0.30	0.77	7.72	4.23	4.45	3.27	0.99
02/18/2012	0.67	0.84	0.42	0.49	0.30	0.30	0.81	7.65	4.33	4.60	3.55	0.95
02/19/2012	0.63	0.82	0.41	0.48	0.29	0.30	0.84	8.21	4.29	4.63	3.56	0.86
02/20/2012	0.63	0.80	0.40	0.46	0.29	0.30	0.80	7.87	4.37	4.77	3.93	0.91
02/21/2012	0.60	0.75	0.39	0.45	0.28	0.29	0.85	7.36	4.33	4.75	4.00	0.70
02/22/2012	0.58	0.72	0.38	0.44	0.27	0.29	0.85	7.30	4.34	4.76	4.17	0.56
02/23/2012	0.56	0.70	0.38	0.43	0.26	0.29	0.78	7.31	4.45	4.83	4.16	0.62
02/24/2012	0.54	0.67	0.38	0.42	0.25	0.29	0.82	6.90	4.84	4.97	4.48	0.65
02/25/2012	0.54	0.65	0.37	0.42	0.24	0.28	0.83	6.90	5.13	4.95	4.38	0.56
02/26/2012	0.52	0.63	0.37	0.41	0.24	0.28	0.71	7.32	5.23	4.93	4.47	0.49
02/27/2012	0.55	0.61	0.37	0.40	0.24	0.27	0.78	6.65	5.19	5.02	4.64	0.64
02/28/2012	0.54	0.60	0.35	0.40	0.24	0.27	0.78	7.44	5.14	4.98	4.45	0.61
02/29/2012	0.62	0.59	0.36	0.39	0.26	0.27	0.84	7.57	5.26	4.95	4.59	0.81
03/01/2012	0.55	0.58	0.34	0.38	0.25	0.26	0.88	7.65	5.13	4.93	4.55	0.63
03/02/2012	0.50	0.57	0.35	0.38	0.23	0.26	0.68	8.11	5.11	4.94	4.49	0.59
03/03/2012	0.49	0.56	0.35	0.37	0.24	0.26	0.63	7.74	5.15	5.04	4.66	0.54
03/04/2012	0.52	0.55	0.33	0.37	0.24	0.25	0.63	7.55	5.22	5.17	4.71	0.98
03/05/2012	0.59	0.55	0.35	0.36	0.25	0.25	0.68	7.18	5.51	5.33	4.81	1.46
03/06/2012	0.69	0.56	0.36	0.36	0.26	0.25	0.68	7.27	5.70	5.51	4.90	1.93

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
02/06/2012	0.56	0.75	0.54	0.61	0.71	0.60	0.63	239	122	156	s
02/07/2012	0.53	0.73	0.53	0.60	0.71	0.59	0.63	307	118	152	s
02/08/2012	0.52	0.71	0.51	0.58	0.70	0.63	0.67	255	113	156	s
02/09/2012	0.51	0.69	0.51	0.59	0.70	0.66	0.70	214	116	153	s
02/10/2012	0.50	0.68	0.51	0.61	0.71	0.66	0.72	211	121	153	s
02/11/2012	0.49	0.67	0.51	0.62	0.70	0.66	0.71	204	124	153	s
02/12/2012	0.48	0.65	0.50	0.63	0.69	0.67	0.73	186	127	153	s
02/13/2012	0.48	0.63	0.49	0.64	0.66	0.66	0.72	201	130	153	s
02/14/2012	0.47	0.61	0.48	0.64	0.63	0.65	0.69	157	129	156	s
02/15/2012	0.47	0.56	0.47	0.63	0.60	0.61	0.63	158	128	145	s
02/16/2012	0.45	0.56	0.45	0.64	0.59	0.58	0.66	131	129	134	s
02/17/2012	0.43	0.54	0.44	0.65	0.58	0.57	0.63	137	131	126	s
02/18/2012	0.42	0.54	0.44	0.62	0.57	0.58	0.64	145	123	126	s
02/19/2012	0.42	0.53	0.43	0.59	0.56	0.66	0.66	132	115	126	s
02/20/2012	0.41	0.51	0.43	0.58	0.56	0.61	0.69	129	114	126	s
02/21/2012	0.41	0.51	0.42	0.58	0.56	0.67	0.71	119	113	100	s
02/22/2012	0.40	0.51	0.42	0.57	0.55	0.62	0.73	114	111	126	s
02/23/2012	0.40	0.50	0.42	0.53	0.54	0.63	0.74	109	101	103	s
02/24/2012	0.39	0.49	0.41	0.49	0.51	0.69	0.71	101	91	98	s
02/25/2012	0.40	0.49	0.40	0.52	0.50	0.64	0.71	101	98	98	s
02/26/2012	0.39	0.48	0.40	0.54	0.46	0.65	0.75	97	104	98	s
02/27/2012	0.38	0.47	0.39	0.56	0.49	0.62	0.73	104	108	91	s
02/28/2012	0.38	0.46	0.39	0.57	0.48	0.63	0.65	102	111	86	s
02/29/2012	0.38	0.46	0.39	0.52	0.47	0.61	0.68	127	97	82	s
03/01/2012	0.38	0.46	0.39	0.49	0.46	0.60	0.70	106	90	80	s
03/02/2012	0.38	0.46	0.39	0.45	0.45	0.59	0.68	88	80	81	s
03/03/2012	0.37	0.45	0.39	0.42	0.45	0.64	0.80	87	70	81	s
03/04/2012	0.36	0.44	0.38	0.41	0.44	0.62	0.81	96	69	81	s
03/05/2012	0.36	0.44	0.37	0.42	0.42	0.60	0.80	118	71	74	s
03/06/2012	0.38	0.42	0.35	0.40	0.44	0.59	0.73	151	66	71	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 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
02/06/2012	0.73	0.69	0.74	0.75	0.82	0.86	0.76	0.72
02/07/2012	0.74	0.68	0.78	0.75	0.87	0.86	0.76	0.72
02/08/2012	0.73	0.68	0.80	0.75	0.86	0.86	0.77	0.72
02/09/2012	0.74	0.68	0.80	0.74	0.88	0.86	0.75	0.72
02/10/2012	0.76	0.68	0.80	0.74	0.93	0.86	0.73	0.71
02/11/2012	0.76	0.68	0.81	0.74	0.94	0.86	0.76	0.71
02/12/2012	0.76	0.69	0.82	0.74	0.94	0.86	0.72	0.71
02/13/2012	0.77	0.69	0.82	0.74	0.95	0.86	0.67	0.71
02/14/2012	0.77	0.69	0.82	0.74	0.95	0.86	0.68	0.71
02/15/2012	0.78	0.69	0.82	0.75	1.00	0.87	0.76	0.71
02/16/2012	0.83	0.70	0.85	0.75	0.97	0.87	0.81	0.71
02/17/2012	0.83	0.70	0.87	0.75	0.96	0.87	0.85	0.72
02/18/2012	0.84	0.71	0.88	0.76	0.98	0.87	0.87	0.72
02/19/2012	0.83	0.71	0.89	0.76	0.97	0.87	0.87	0.73
02/20/2012	0.84	0.72	0.89	0.77	0.97	0.88	0.88	0.73
02/21/2012	0.84	0.73	0.90	0.77	0.97	0.88	0.87	0.74
02/22/2012	0.86	0.73	0.89	0.78	1.01	0.89	0.89	0.75
02/23/2012	0.89	0.74	0.91	0.78	1.10	0.90	0.90	0.75
02/24/2012	0.91	0.75	0.91	0.79	1.08	0.91	0.90	0.76
02/25/2012	0.94	0.76	0.93	0.80	1.11	0.92	0.87	0.77
02/26/2012	0.91	0.77	0.96	0.81	1.14	0.93	0.89	0.78
02/27/2012	0.96	0.78	0.97	0.82	1.17	0.94	0.93	0.78
02/28/2012	0.98	0.79	0.99	0.83	1.13	0.95	0.92	0.79
02/29/2012	0.93	0.80	1.00	0.84	1.15	0.96	1.02	0.80
03/01/2012	0.91	0.81	1.02	0.85	1.14	0.97	1.02	0.81
03/02/2012	0.91	0.82	1.04	0.86	1.16	0.98	0.97	0.82
03/03/2012	0.94	0.83	1.01	0.87	1.16	0.99	0.96	0.83
03/04/2012	0.97	0.84	1.00	0.88	1.19	1.00	0.98	0.84
03/05/2012	0.99	0.85	0.99	0.89	1.21	1.02	1.00	0.85
03/06/2012	0.95	0.85	1.00	0.90	1.21	1.03	1.04	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
 Wednesday, March 14, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	23 %
Vernalis Base Flow ; Monthly average *	>=710 cfs	1,353 cfs
7 Day average *	>= 568 cfs	1,390 cfs
Habitat Protection, X2 / Flow		
	31 days at Collinsville	14 days

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	47 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	60 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	1.0 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:

Suisun Marsh Salinity Control Gates : 3 Open / 0 Closed / 0 Full Tide Open
 Flashboard Status : In
 Boat Lock Status : Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Mar 1, 2012)

Previous Month's Index (8RI for Jan.): 0.738 MAF
 Water Year Type: Dry
 Sacramento valley water year type index (40/30/30) @ 50%: 5.5 MAF (Dry)
 San Joaquin valley water year type index (60/20/20) @ 75%: 1.7 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:
 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	Chipps Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
02/14/2012	5.85	3.64	12,955	15.72	8.22	10.69	2.80	2.35	3.72	0.88	1.53
02/15/2012	6.08	3.78	11,873	16.17	7.74	10.59	2.69	2.25	3.70	1.03	1.54
02/16/2012	5.85	3.68	11,531	15.41	6.68	10.38	2.25	1.85	3.65	0.85	1.53
02/17/2012	5.88	3.73	11,725	15.62	7.99	10.18	2.46	2.04	3.56	0.74	1.50
02/18/2012	5.84	3.76	11,372	16.26	8.19	9.94	2.69	2.25	3.45	0.80	1.44
02/19/2012	5.70	3.61	11,018	15.51	7.67	9.62	2.41	1.99	3.29	0.70	1.37
02/20/2012	5.67	3.65	11,436	15.87	7.47	9.29	2.32	1.91	3.09	0.67	1.28
02/21/2012	5.36	3.47	10,659	14.96	7.13	8.87	2.11	1.72	2.81	0.56	1.12
02/22/2012	5.19	3.47	11,202	15.18	7.23	8.51	2.01	1.63	2.58	0.51	1.00
02/23/2012	5.15	3.54	11,255	14.50	7.38	8.27	1.95	1.58	2.41	0.61	0.93
02/24/2012	5.05	3.59	10,814	16.47	7.70	8.07	2.29	1.88	2.26	0.54	0.85
02/25/2012	5.25	3.36	9,913	14.25	7.01	7.83	1.96	1.59	2.11	0.49	0.79
02/26/2012	4.98	3.52	10,443	14.98	7.24	7.65	1.89	1.53	1.98	0.41	0.72
02/27/2012	5.48	3.78	9,204	16.28	8.07	7.55	2.33	1.92	1.89	0.57	0.67
02/28/2012	5.35	3.67	8,998	16.99	8.29	7.56	2.36	1.95	1.86	0.48	0.64
02/29/2012	5.88	3.82	8,800	17.40	9.53	7.68	2.75	2.31	1.87	0.69	0.62
03/01/2012	5.21	3.62	10,200	16.04	8.56	7.82	2.52	2.09	1.88	0.53	0.59
03/02/2012	4.99	3.35	11,565	15.51	7.73	7.80	1.97	1.59	1.85	0.57	0.58
03/03/2012	4.99	3.32	11,395	16.60	8.11	7.79	2.03	1.65	1.81	0.49	0.56
03/04/2012	5.23	3.43	10,776	18.58	9.60	7.93	2.78	2.33	1.83	0.62	0.55
03/05/2012	5.58	3.67	10,466	19.54	11.80	8.24	4.00	3.49	1.95	1.23	0.59
03/06/2012	5.77	3.82	8,273	20.79	12.09	8.60	4.67	4.14	2.12	1.66	0.67
03/07/2012	5.21	3.36	8,612	18.62	9.49	8.76	3.14	2.67	2.19	1.21	0.72
03/08/2012	5.06	3.30	8,335	18.82	10.52	8.98	3.40	2.92	2.29	0.98	0.75
03/09/2012	5.05	3.32	7,700	18.68	10.63	9.19	3.51	3.02	2.37	0.92	0.78
03/10/2012	5.35	3.59	7,402	19.73	11.54	9.52	4.62	4.09	2.55	1.24	0.83
03/11/2012	5.84	3.77	6,984	20.61	12.62	9.90	4.96	4.42	2.76	1.38	0.90
03/12/2012	5.84	3.69	7,346	20.37	12.11	10.19	4.69	4.16	2.92	1.39	0.96
03/13/2012	6.26	-- NC	7,588	22.21	14.26	10.61	6.12	5.57	3.18	1.65	1.04
03/14/2012	6.35	4.20	7,607	21.10	13.31	10.88	5.34	4.80	3.35	1.92	1.13

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
02/14/2012	0.71	0.88	0.45	0.55	0.29	0.29	0.85	9.66	3.62	3.54	2.19	1.24
02/15/2012	0.72	0.87	0.46	0.53	0.30	0.30	0.78	9.39	4.19	3.82	2.59	1.29
02/16/2012	0.63	0.87	0.43	0.52	0.29	0.30	0.77	8.75	3.99	3.99	2.89	0.95
02/17/2012	0.65	0.85	0.42	0.50	0.30	0.30	0.77	7.72	4.23	4.45	3.27	0.99
02/18/2012	0.67	0.84	0.42	0.49	0.30	0.30	0.81	7.65	4.33	4.60	3.55	0.95
02/19/2012	0.63	0.82	0.41	0.48	0.29	0.30	0.84	8.21	4.29	4.63	3.56	0.88
02/20/2012	0.63	0.80	0.40	0.46	0.29	0.30	0.80	7.87	4.37	4.77	3.93	0.91
02/21/2012	0.60	0.75	0.39	0.45	0.28	0.29	0.85	7.36	4.33	4.75	4.00	0.70
02/22/2012	0.58	0.72	0.38	0.44	0.27	0.29	0.85	7.30	4.34	4.76	4.17	0.56
02/23/2012	0.56	0.70	0.38	0.43	0.26	0.29	0.78	7.31	4.45	4.83	4.16	0.62
02/24/2012	0.54	0.67	0.38	0.42	0.25	0.29	0.82	6.90	4.84	4.97	4.48	0.65
02/25/2012	0.54	0.65	0.37	0.42	0.24	0.28	0.83	6.90	5.13	4.95	4.38	0.56
02/26/2012	0.52	0.63	0.37	0.41	0.24	0.28	0.71	7.32	5.23	4.93	4.47	0.49
02/27/2012	0.55	0.61	0.37	0.40	0.24	0.27	0.78	6.65	5.19	5.02	4.64	0.64
02/28/2012	0.54	0.60	0.35	0.40	0.24	0.27	0.78	7.44	5.14	4.98	4.45	0.61
02/29/2012	0.62	0.59	0.36	0.39	0.26	0.27	0.84	7.57	5.26	4.95	4.59	0.81
03/01/2012	0.55	0.58	0.34	0.38	0.25	0.26	0.88	7.65	5.13	4.93	4.55	0.63
03/02/2012	0.50	0.57	0.35	0.38	0.23	0.26	0.68	8.11	5.11	4.94	4.49	0.59
03/03/2012	0.49	0.56	0.35	0.37	0.24	0.26	0.63	7.74	5.15	5.04	4.66	0.54
03/04/2012	0.52	0.55	0.33	0.37	0.24	0.25	0.63	7.55	5.22	5.17	4.71	0.98
03/05/2012	0.59	0.55	0.35	0.36	0.25	0.25	0.68	7.18	5.51	5.33	4.81	1.46
03/06/2012	0.69	0.56	0.36	0.36	0.26	0.25	0.68	7.27	5.70	5.51	4.90	1.93
03/07/2012	0.55	0.55	0.34	0.36	0.25	0.25	0.62	7.73	5.77	5.70	4.81	1.52
03/08/2012	0.61	0.56	0.34	0.35	0.26	0.25	0.66	8.07	6.25	6.24	5.28	1.14
03/09/2012	0.65	0.57	0.34	0.35	0.26	0.25	0.66	8.22	6.68	6.57	5.83	1.37
03/10/2012	0.79	0.58	0.35	0.35	0.31	0.25	0.79	8.30	6.96	6.88	6.25	1.72
03/11/2012	0.94	0.61	0.36	0.35	0.37	0.26	0.78	8.47	7.12	7.06	6.37	1.99
03/12/2012	0.89	0.64	0.36	0.35	0.35	0.27	0.73	8.81	7.09	7.09	6.40	2.05
03/13/2012	1.22	0.69	0.39	0.35	0.45	0.29	0.72	8.66	7.42	7.49	7.28	NC
03/14/2012	1.35	0.74	0.40	0.35	0.43	0.30	0.48	9.06	4.01	6.75	6.99	2.73

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
02/14/2012	0.47	0.61	0.48	0.64	0.63	0.65	0.69	157	129	156	s
02/15/2012	0.47	0.56	0.47	0.63	0.60	0.61	0.63	158	128	145	s
02/16/2012	0.45	0.56	0.45	0.84	0.59	0.58	0.66	131	129	134	s
02/17/2012	0.43	0.54	0.44	0.65	0.58	0.57	0.63	137	131	126	s
02/18/2012	0.42	0.54	0.44	0.62	0.57	0.58	0.64	145	123	126	s
02/19/2012	0.42	0.53	0.43	0.59	0.56	0.66	0.66	132	115	126	s
02/20/2012	0.41	0.51	0.43	0.58	0.56	0.61	0.69	129	114	126	s
02/21/2012	0.41	0.51	0.42	0.58	0.56	0.67	0.71	119	113	100	s
02/22/2012	0.40	0.51	0.42	0.57	0.55	0.62	0.73	114	111	126	s
02/23/2012	0.40	0.50	0.42	0.53	0.54	0.63	0.74	109	101	103	s
02/24/2012	0.39	0.49	0.41	0.49	0.51	0.69	0.71	101	91	98	s
02/25/2012	0.40	0.49	0.40	0.52	0.50	0.64	0.71	101	98	98	s
02/26/2012	0.39	0.48	0.40	0.54	0.46	0.65	0.75	97	104	98	s
02/27/2012	0.38	0.47	0.39	0.56	0.49	0.62	0.73	104	108	91	s
02/28/2012	0.38	0.46	0.39	0.57	0.48	0.63	0.65	102	111	86	s
02/29/2012	0.38	0.46	0.39	0.52	0.47	0.61	0.68	127	97	82	s
03/01/2012	0.38	0.46	0.39	0.49	0.46	0.60	0.70	106	90	80	s
03/02/2012	0.38	0.46	0.39	0.45	0.45	0.59	0.68	88	80	81	s
03/03/2012	0.37	0.45	0.39	0.42	0.45	0.64	0.80	87	70	81	s
03/04/2012	0.36	0.44	0.38	0.41	0.44	0.62	0.81	96	69	81	s
03/05/2012	0.36	0.44	0.37	0.42	0.42	0.60	0.80	118	71	74	s
03/06/2012	0.38	0.42	0.35	0.40	0.44	0.59	0.73	151	66	71	s
03/07/2012	0.36	0.42	0.36	0.40	0.43	0.61	0.77	106	67	68	s
03/08/2012	0.35	0.42	0.35	0.41	0.42	0.62	0.87	123	68	66	s
03/09/2012	0.34	0.41	0.36	0.41	0.42	0.61	0.79	137	69	68	s
03/10/2012	0.34	0.41	0.36	0.39	0.41	0.63	0.67	182	64	66	s
03/11/2012	0.35	0.40	0.35	0.39	0.41	0.61	0.62	229	64	65	s
03/12/2012	0.34	0.40	0.36	0.40	0.39	0.63	0.66	214	66	63	s
03/13/2012	0.34	0.38	0.35	0.39	0.40	0.58	0.67	317	64	62	s
03/14/2012	0.33	0.36	0.35	0.40	0.40	0.62	0.66	360	66	60	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
02/14/2012	0.77	0.69	0.82	0.74	0.95	0.86	0.68	0.71
02/15/2012	0.78	0.69	0.82	0.75	1.00	0.87	0.76	0.71
02/16/2012	0.83	0.70	0.85	0.75	0.97	0.87	0.81	0.71
02/17/2012	0.83	0.70	0.87	0.75	0.96	0.87	0.85	0.72
02/18/2012	0.84	0.71	0.88	0.76	0.98	0.87	0.87	0.72
02/19/2012	0.83	0.71	0.89	0.76	0.97	0.87	0.87	0.73
02/20/2012	0.84	0.72	0.89	0.77	0.97	0.88	0.88	0.73
02/21/2012	0.84	0.73	0.90	0.77	0.97	0.88	0.87	0.74
02/22/2012	0.86	0.73	0.89	0.78	1.01	0.89	0.89	0.75
02/23/2012	0.89	0.74	0.91	0.78	1.10	0.90	0.90	0.75
02/24/2012	0.91	0.75	0.91	0.79	1.08	0.91	0.90	0.76
02/25/2012	0.94	0.76	0.93	0.80	1.11	0.92	0.87	0.77
02/26/2012	0.91	0.77	0.96	0.81	1.14	0.93	0.89	0.78
02/27/2012	0.96	0.78	0.97	0.82	1.17	0.94	0.93	0.78
02/28/2012	0.98	0.79	0.99	0.83	1.13	0.95	0.92	0.79
02/29/2012	0.93	0.80	1.00	0.84	1.15	0.96	1.02	0.80
03/01/2012	0.91	0.81	1.02	0.85	1.14	0.97	1.02	0.81
03/02/2012	0.91	0.82	1.04	0.86	1.16	0.98	0.97	0.82
03/03/2012	0.94	0.83	1.01	0.87	1.16	0.99	0.96	0.83
03/04/2012	0.97	0.84	1.00	0.88	1.19	1.00	0.98	0.84
03/05/2012	0.99	0.85	0.99	0.89	1.21	1.02	1.00	0.85
03/06/2012	0.95	0.85	1.00	0.90	1.21	1.03	1.04	0.86
03/07/2012	0.91	0.86	1.05	0.91	1.15	1.04	1.04	0.87
03/08/2012	0.92	0.87	1.07	0.92	1.20	1.05	0.99	0.88
03/09/2012	0.89	0.87	1.05	0.93	1.23	1.06	0.96	0.88
03/10/2012	0.91	0.88	1.02	0.93	1.24	1.08	0.98	0.89
03/11/2012	0.85	0.88	1.01	0.94	1.22	1.09	0.95	0.90
03/12/2012	0.88	0.88	0.99	0.95	1.14	1.09	0.92	0.90
03/13/2012	0.90	0.89	0.98	0.95	1.14	1.10	0.92	0.91
03/14/2012	0.80	0.89	0.96	0.96	1.12	1.11	0.95	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
Wednesday, April 04, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	5 %
Vernalis Base Flow : Monthly average *	>=710 cfs	1,621 cfs
7 Day average *	>= 568 cfs	1,621 cfs
Habitat Protection, X2 / Flow		
26 days as carryover from March	30 days at Chipps Island	4 days

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	68 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	48 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.9 mS/cm
Brandt Bridge	<= 0.7 mS/cm	1.0 mS/cm
Old River Near Tracy	<= 0.7 mS/cm	1.1 mS/cm
Old River Near Middle River	<= 0.7 mS/cm	0.9 mS/cm

SUISUN MARSH:

Suisun Marsh Salinity Control Gates : 3 Open / 0 Closed / 0 Full Tide Open
Flashboard Status : In
Boat Lock Status : Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Mar 1, 2012)

Previous Month's Index (8RI for Jan.): 0.738 MAF
Water Year Type: Dry
Sacramento valley water year type index (40/30/30) @ 50%: 5.5 MAF (Dry)
San Joaquin valley water year type index (60/20/20) @ 75%: 1.7 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:
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
03/05/2012	5.77	3.82	8,273	20.79	12.09	8.60	4.67	4.14	2.12	1.66	0.67
03/07/2012	5.21	3.36	8,612	18.62	9.49	8.76	3.14	2.67	2.19	1.21	0.72
03/08/2012	5.06	3.30	8,335	18.82	10.52	8.98	3.40	2.92	2.29	0.98	0.75
03/09/2012	5.05	3.32	7,700	18.68	10.63	9.19	3.51	3.02	2.37	0.92	0.78
03/10/2012	5.35	3.59	7,402	19.73	11.54	9.52	4.62	4.09	2.55	1.24	0.83
03/11/2012	5.84	3.77	6,984	20.61	12.62	9.90	4.96	4.42	2.76	1.38	0.90
03/12/2012	5.84	3.69	7,346	20.37	12.11	10.19	4.69	4.16	2.92	1.39	0.96
03/13/2012	6.26	3.90 e	7,588	22.21	14.26	10.61	6.12	5.57	3.18	1.65	1.04
03/14/2012	6.35	4.20	7,607	21.10	13.31	10.88	5.34	4.80	3.35	1.92	1.13
03/15/2012	5.98	4.09	11,939	19.46	11.83	11.12	4.82	4.28	3.51	1.44	1.19
03/16/2012	6.08	4.36	17,713	19.40	12.15	11.43	4.91	4.37	3.71	1.30	1.25
03/17/2012	6.31	4.53	28,417	17.11	10.16	11.58	3.77	3.26	3.82	1.00	1.28
03/18/2012	6.30	4.73	45,849	14.39	7.78	11.45	2.58	2.15	3.81	0.56	1.28
03/19/2012	5.75	4.15	51,130	10.55	3.57	10.86	0.89	0.66	3.61	0.23	1.21
03/20/2012	5.50	3.92	45,967	8.25	2.19	10.15	0.53	0.38	3.34	0.15	1.10
03/21/2012	5.39	3.88	39,319	8.10	1.69	9.60	0.43	0.30	3.17	0.15	1.02
03/22/2012	5.68	4.15	30,340	9.01	1.69 e	8.97	0.41	0.28	2.98	0.14	0.96
03/23/2012	5.76	4.01	23,326	8.73	1.69	8.33	0.38	0.26	2.79	0.15	0.91
03/24/2012	5.87	4.13	19,611	9.49	2.44	7.68	0.41	0.28	2.51	0.15	0.83
03/25/2012	5.90	4.14	16,486	9.56	2.41	6.95	0.38	0.26	2.22	0.16	0.74
03/26/2012	5.86	4.10	19,108	10.50	2.96	6.29	0.42	0.29	1.94	0.16	0.65
03/27/2012	5.94	4.51	18,994	11.90	4.08	5.57	0.53	0.37	1.57	0.17	0.55
03/28/2012	6.14	4.37	20,558	10.40	4.19	4.92	0.57	0.41	1.25	0.17	0.42
03/29/2012	5.57	4.15	27,573	8.90	3.01	4.29	0.40	0.28	0.97	0.18	0.33
03/30/2012	5.38	4.19	28,943	9.36	2.56	3.60	0.35	0.23	0.67	0.18	0.25
03/31/2012	6.02	4.69	34,298	11.84	4.33	3.18	0.46	0.32	0.46	0.20	0.20
04/01/2012	5.37	4.17	40,091	9.24	2.21	2.79	0.34	0.23	0.32	0.20	0.17
04/02/2012	5.08	3.68	37,380	6.80	1.26	2.62	0.26	0.17	0.29	0.18	0.17
04/03/2012	5.45	3.94	33,881	8.64	1.66	2.58	0.25	0.16	0.27	0.18	0.17
04/04/2012	5.69	3.98	33,972	8.25	1.68	2.58	0.25	0.16	0.26	0.19	0.17

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	
03/06/2012	0.69	0.56	0.36	0.36	0.26	0.25	0.68	7.27	5.70	5.51	4.90	1.93	
03/07/2012	0.55	0.55	0.34	0.36	0.25	0.25	0.62	7.73	5.77	5.70	4.81	1.52	
03/08/2012	0.61	0.56	0.34	0.35	0.26	0.25	0.66	8.07	6.25	6.24	5.28	1.14	
03/09/2012	0.65	0.57	0.34	0.35	0.26	0.25	0.66	8.22	6.68	6.57	5.83	1.37	
03/10/2012	0.79	0.58	0.35	0.35	0.31	0.25	0.79	8.30	6.96	6.88	6.25	1.72	
03/11/2012	0.94	0.61	0.36	0.35	0.37	0.26	0.78	8.47	7.12	7.06	6.37	1.99	
03/12/2012	0.89	0.64	0.36	0.35	0.35	0.27	0.73	8.81	7.09	7.09	6.40	2.05	
03/13/2012	1.22	0.69	0.39	0.35	0.45	0.29	0.72	8.66	7.42	7.49	7.28	NC	
03/14/2012	1.35	0.74	0.40	0.35	0.43	0.30	0.48	9.06	4.01	6.75	6.99	2.73	
03/15/2012	1.12	0.78	0.38	0.36	0.33	0.30	0.33	8.19	1.11	5.74	6.89	2.05	
03/16/2012	1.08	0.82	0.37	0.36	0.29	0.31	0.40	7.37	2.63	5.92	6.53	1.84	
03/17/2012	0.92	0.85	0.37	0.36	0.24	0.31	0.24	6.26	0.23	5.26	6.51	1.64	
03/18/2012	0.71	0.87	0.35	0.36	0.20	0.30	0.36	5.47	2.63	5.45	6.37	0.94	
03/19/2012	0.48	0.86	0.32	0.36	0.16	0.30	0.46	5.43	4.75	5.44	5.68	0.27	
03/20/2012	0.38	0.84	0.30	0.35	0.14	0.29	0.56	5.19	5.17	5.40	5.43	0.14	
03/21/2012	0.35	0.82	0.28	0.35	0.13	0.28	0.65	5.50	5.27	5.13	5.33		
03/22/2012	0.33	0.80	0.27	0.34	0.14	0.27	0.71	5.56	4.74	4.83	5.22	NC	
03/23/2012	0.31	0.78	0.26	0.34	0.14	0.26	0.75	5.28	4.60	4.52	4.99	0.15	
03/24/2012	0.30	0.74	0.25	0.33	0.14	0.25	0.79	4.70	4.10	4.02	4.59	0.16	
03/25/2012	0.29	0.70	0.25	0.32	0.15	0.24	0.55		NC	3.71	3.85	4.46	0.16
03/26/2012	0.28	0.65	0.25	0.32	0.15	0.22	0.35	5.21	3.82	3.81	4.29	0.17	
03/27/2012	0.27	0.58	0.24	0.31	0.16	0.20	0.50	4.29	3.69	3.61	4.02	0.17	
03/28/2012	0.27	0.51	0.24	0.30	0.16	0.18	0.18	4.95	0.72	3.48	3.67	0.18	
03/29/2012	0.26	0.45	0.24	0.29	0.17	0.17	0.32	5.07	1.53	3.38	3.94	0.18	
03/30/2012	0.26	0.39	0.24	0.28	0.18	0.16	0.49	4.61	2.40	3.50	4.10	0.19	
03/31/2012	0.25	0.34	0.24	0.27	0.18	0.16	0.59	3.49	2.32	3.52	3.80	0.21	
04/01/2012	0.25	0.31	0.23	0.26	0.17	0.16	0.67	3.94	1.87	3.38	3.77	0.21	
04/02/2012	0.25	0.29	0.23	0.25	0.17	0.16	0.67	4.52	2.91	3.45	3.65	0.18	
04/03/2012	0.24	0.28	0.23	0.25	0.17	0.16	0.72	3.35	3.43	3.34	3.69	0.17	
04/04/2012	0.23	0.27	0.22	0.24	0.16	0.16	0.79		N	3.40	3.11	3.58	0.19

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
03/06/2012	0.38	0.42	0.35	0.40	0.44	0.59	0.73	151	66	71	f
03/07/2012	0.36	0.42	0.36	0.40	0.43	0.61	0.77	106	67	68	f
03/08/2012	0.35	0.42	0.35	0.41	0.42	0.62	0.87	123	68	66	f
03/09/2012	0.34	0.41	0.36	0.41	0.42	0.61	0.79	137	69	68	f
03/10/2012	0.34	0.41	0.36	0.39	0.41	0.63	0.67	182	64	66	f
03/11/2012	0.35	0.40	0.35	0.39	0.41	0.61	0.62	229	64	65	f
03/12/2012	0.34	0.40	0.36	0.40	0.39	0.63	0.66	214	66	63	f
03/13/2012	0.34	0.38	0.35	0.39	0.40	0.58	0.67	317	64	62	f
03/14/2012	0.33	0.36	0.35	0.40	0.40	0.62	0.66	360	66	60	f
03/15/2012	0.33	0.37	0.36	0.39	0.39	0.55	0.72	288	65	58	f
03/16/2012	0.33	0.35	0.35	0.39	0.39	0.56	0.72	275	63	55	f
03/17/2012	0.33	0.36	0.35	0.37	0.38	0.54	0.69	222	59	55 e	f
03/18/2012	0.35	0.38	0.34	0.37	0.38	0.54	0.63	157	57	55 e	f
03/19/2012	0.34	0.39	0.35	0.37	0.39	0.59	0.67	83	59	53	f
03/20/2012	0.33	0.38	0.35	0.37	0.38	0.56	0.67	52	59	54	f
03/21/2012	0.32	0.39	0.34	0.37	0.38	0.52	0.63	41	58	54	f
03/22/2012	0.31	0.39	0.34	0.37	0.38	0.56	0.63 e	34	59	54 e	f
03/23/2012	0.31	0.38	0.34	0.38	0.37	0.59	0.63	29	60	52	f
03/24/2012	0.29	0.38	0.33	0.37	0.38	0.64	0.62	25	60	52 e	f
03/25/2012	0.28	0.37	0.32	0.37	0.37	0.63	0.67	21	58	52 e	f
03/26/2012	0.27	0.36	0.31	0.36	0.37	0.55	0.64	19	55	49	f
03/27/2012	0.26	0.35	0.31	0.36	0.36	0.51	0.64	17	55	48	f
03/28/2012	0.25	0.35	0.31	0.35	0.35	0.51	0.61	16	54	48	f
03/29/2012	0.25	0.35	0.32	0.35	0.36	0.61	0.76	14	54	47	f
03/30/2012	0.25	0.35	0.31	0.36	0.36	0.60	0.76	12	56	49	f
03/31/2012	0.25	0.35	0.30	0.36	0.36	0.54	0.70	11	55	49 e	f
04/01/2012	0.27	0.35	0.29	0.34	0.36	0.51	0.60	10	51	49 e	f
04/02/2012	0.27	0.34	0.29	0.35	0.36	0.59	0.77	8	53	48	f
04/03/2012	0.26	0.34	0.28	0.34	0.36	0.53	0.72	6	51	47	f
04/04/2012	0.26	0.33	0.28	0.34	0.36	0.50	0.64	4	50	48	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
03/06/2012	0.95	0.85	1.00	0.90	1.21	1.03	1.04	0.86
03/07/2012	0.91	0.86	1.05	0.91	1.15	1.04	1.04	0.87
03/08/2012	0.92	0.87	1.07	0.92	1.20	1.05	0.99	0.88
03/09/2012	0.89	0.87	1.05	0.93	1.23	1.06	0.96	0.88
03/10/2012	0.91	0.88	1.02	0.93	1.24	1.08	0.98	0.89
03/11/2012	0.85	0.88	1.01	0.94	1.22	1.09	0.95	0.90
03/12/2012	0.88	0.88	0.99	0.95	1.14	1.09	0.92	0.90
03/13/2012	0.90	0.89	0.98	0.95	1.14	1.10	0.92	0.91
03/14/2012	0.80	0.89	0.96	0.96	1.12	1.11	0.95	0.92
03/15/2012	0.75	0.89	0.96	0.96	1.07	1.11	0.82	0.92
03/16/2012	0.83	0.89	0.96	0.97	1.08	1.11	0.75	0.92
03/17/2012	0.82	0.89	0.85	0.97	1.04	1.12	0.84	0.93
03/18/2012	0.75	0.89	0.84	0.96	0.97	1.12	0.89	0.93
03/19/2012	0.76	0.88	0.89	0.97	0.96	1.11	0.79	0.92
03/20/2012	0.82	0.88	0.83	0.96	0.99	1.12	0.80	0.92
03/21/2012	0.89	0.89	0.83	0.96	0.97	1.12	0.86	0.92
03/22/2012	0.87	0.89	0.89	0.96	0.98 e	1.12	0.84	0.92
03/23/2012	0.85	0.89	0.95	0.96	0.98	1.11	0.95	0.92
03/24/2012	0.87	0.89	0.98	0.96	1.03	1.11	0.91	0.92
03/25/2012	0.87	0.88	0.94	0.97	1.02	1.11	0.93	0.92
03/26/2012	0.86	0.88	0.95	0.97	1.02	1.11	0.93	0.93
03/27/2012	0.88	0.88	0.96	0.97	1.04	1.10	0.93	0.93
03/28/2012	0.87	0.88	0.96	0.97	1.02	1.10	0.95	0.93
03/29/2012	0.89	0.88	0.96	0.96	1.00	1.09	0.94	0.93
03/30/2012	0.88	0.87	0.97	0.96	1.03	1.09	0.96	0.93
03/31/2012	0.88	0.87	0.97	0.96	1.04	1.09	0.95	0.92
04/01/2012	0.86	0.87	0.98	0.96	1.12	1.09	0.95	0.92
04/02/2012	0.84	0.87	0.99	0.96	1.18	1.09	0.96	0.92
04/03/2012	0.78	0.86	0.96	0.96	1.22	1.09	0.95	0.92
04/04/2012	0.66	0.85	0.94	0.96	1.18	1.09	0.93	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, April 17, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	8 %
Vernalis Base Flow : Monthly average *	>=710 cfs	2,418 cfs
7 Day average *	>= 568 cfs	2,973 cfs
Habitat Protection, X2 / Flow 26 days as carryover from March	30 days at Chipps Island	17 day

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	81 days 48 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.7 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.8 mS/cm
Old River Near Tracy	<=0.7 mS/cm	1.1 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.7 mS/cm

SUISUN MARSH:

Suisun Marsh Salinity Control Gates : 3 Open / 0 Closed / 0 Full Tide Open
Flashboard Status : In
Boat Lock Status : Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, Apr 1, 2012)

Previous Month's Index (8RI for Mar.): 3.045 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%: 1.9 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:
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
03/19/2012	5.75	4.15	51,130	10.55	3.57	10.86	0.89	0.66	3.61	0.23	1.21
03/20/2012	5.50	3.92	45,967	8.25	2.19	10.15	0.53	0.38	3.34	0.15	1.10
03/21/2012	5.39	3.88	39,319	8.10	1.69	9.60	0.43	0.30	3.17	0.15	1.02
03/22/2012	5.68	4.15	30,340	9.01	1.69 e	8.97	0.41	0.28	2.98	0.14	0.96
03/23/2012	5.76	4.01	23,326	8.73	1.69	8.33	0.38	0.26	2.79	0.15	0.91
03/24/2012	5.87	4.13	19,611	9.49	2.44	7.88	0.41	0.28	2.51	0.15	0.83
03/25/2012	5.90	4.14	16,486	9.56	2.41	6.95	0.38	0.26	2.22	0.16	0.74
03/26/2012	5.86	4.10	19,108	10.50	2.96	6.29	0.42	0.29	1.94	0.16	0.65
03/27/2012	5.94	4.51	18,994	11.90	4.08	5.57	0.53	0.37	1.57	0.17	0.55
03/28/2012	6.14	4.37	20,558	10.40	4.19	4.92	0.57	0.41	1.25	0.17	0.42
03/29/2012	5.57	4.15	27,573	8.90	3.01	4.29	0.40	0.28	0.97	0.18	0.33
03/30/2012	5.38	4.19	28,943	9.36	2.56	3.60	0.35	0.23	0.67	0.18	0.25
03/31/2012	6.02	4.69	34,298	11.84	4.33	3.18	0.46	0.32	0.46	0.20	0.20
04/01/2012	5.37	4.17	40,091	9.24	2.21	2.79	0.34	0.23	0.32	0.20	0.17
04/02/2012	5.08	3.68	37,380	6.80	1.26	2.62	0.26	0.17	0.29	0.18	0.17
04/03/2012	5.45	3.94	33,881	8.64	1.66	2.58	0.25	0.16	0.27	0.18	0.17
04/04/2012	5.69	3.98	33,972	8.25	1.68	2.58	0.25	0.16	0.26	0.19	0.17
04/05/2012	5.60	3.82	30,936	6.86	1.03	2.54	0.24	0.16	0.26	0.18	0.18
04/06/2012	5.69	3.65	26,538	6.35	1.02	2.49	0.25	0.16	0.25	0.17	0.18
04/07/2012	5.84	3.76	24,274	6.99	1.15	2.40	0.27	0.17	0.24	0.18	0.18
04/08/2012	6.22	4.06	21,280	9.27	1.94	2.36	0.34	0.23	0.24	0.18	0.18
04/09/2012	6.43	4.29	19,141	10.07	2.54	2.33	0.41	0.28	0.24	0.19	0.18
04/10/2012	6.69	4.45	18,158	10.94	3.14	2.27	0.49	0.34	0.24	0.19	0.18
04/11/2012	6.52	4.38	17,515	10.67	3.36	2.21	0.59	0.42	0.24	0.19	0.18
04/12/2012	6.23	4.33	17,474	10.18	3.39	2.23	0.54	0.38	0.24	0.19	0.19
04/13/2012	6.14	4.59	23,399	8.95	2.94	2.26	0.48	0.34	0.25	0.19	0.19
04/14/2012	5.56	4.14	35,041	6.02	1.52	2.06	0.30	0.20	0.24	0.19	0.19
04/15/2012	5.33	3.90	42,542	4.43	0.74	1.96	0.25	0.16	0.24	0.20	0.19
04/16/2012	5.41	3.86	44,838	4.75	0.52	1.90	0.23	0.15	0.24	0.20	0.19
04/17/2012	5.46	3.88	42,257	5.32	0.59	1.83	0.22	0.14	0.24	0.18	0.19

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
03/19/2012	0.48	0.86	0.32	0.36	0.16	0.30	0.46	5.43	4.75	5.44	5.68	0.27
03/20/2012	0.38	0.84	0.30	0.35	0.14	0.29	0.56	5.19	5.17	5.40	5.43	0.14
03/21/2012	0.35	0.82	0.28	0.35	0.13	0.28	0.65	5.50	5.27	5.13	5.33	
03/22/2012	0.33	0.80	0.27	0.34	0.14	0.27	0.71	5.56	4.74	4.83	5.22	NC
03/23/2012	0.31	0.78	0.26	0.34	0.14	0.26	0.75	5.28	4.60	4.52	4.99	0.15
03/24/2012	0.30	0.74	0.25	0.33	0.14	0.25	0.79	4.70	4.10	4.02	4.59	0.16
03/25/2012	0.29	0.70	0.25	0.32	0.15	0.24	0.55	NC	3.71	3.85	4.46	0.16
03/26/2012	0.28	0.65	0.25	0.32	0.15	0.22	0.35	5.21	3.82	3.81	4.29	0.17
03/27/2012	0.27	0.58	0.24	0.31	0.16	0.20	0.50	4.29	3.69	3.61	4.02	0.17
03/28/2012	0.27	0.51	0.24	0.30	0.16	0.18	0.18	4.95	0.72	3.48	3.67	0.18
03/29/2012	0.26	0.45	0.24	0.29	0.17	0.17	0.32	5.07	1.53	3.38	3.94	0.18
03/30/2012	0.26	0.39	0.24	0.28	0.18	0.16	0.49	4.61	2.40	3.50	4.10	0.19
03/31/2012	0.25	0.34	0.24	0.27	0.18	0.16	0.59	3.49	2.32	3.52	3.80	0.21
04/01/2012	0.25	0.31	0.23	0.26	0.17	0.16	0.67	3.94	1.87	3.38	3.77	0.21
04/02/2012	0.25	0.29	0.23	0.25	0.17	0.16	0.67	4.52	2.91	3.45	3.65	0.18
04/03/2012	0.24	0.28	0.23	0.25	0.17	0.16	0.72	3.35	3.43	3.34	3.69	0.17
04/04/2012	0.23	0.27	0.22	0.24	0.16	0.16	0.79	NC	3.40	3.11	3.58	0.19
04/05/2012	0.23	0.26	0.22	0.24	0.16	0.16	0.84	NC	3.17	3.02	3.42	0.18
04/06/2012	0.23	0.26	0.22	0.24	0.16	0.16	0.87	NC	3.15	2.86	3.21	0.17
04/07/2012	0.23	0.25	0.22	0.23	0.16	0.16	0.79	NC	2.84	2.53	3.05	0.18
04/08/2012	0.22	0.25	0.22	0.23	0.16	0.16	0.88	NC	2.48	2.17	2.52	0.18
04/09/2012	0.22	0.24	0.22	0.23	0.17	0.17	0.88	NC	2.15	1.99	2.20	0.19
04/10/2012	0.23	0.24	0.22	0.23	0.17	0.17	0.86	NC	1.94	1.84	2.12	0.19
04/11/2012	0.24	0.24	0.22	0.23	0.17	0.17	0.87	NC	2.05	1.96	2.17	0.21
04/12/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.81	NC	2.30	2.07	2.21	0.20
04/13/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.43	NC	1.30	2.29	2.34	0.20
04/14/2012	0.23	0.24	0.23	0.22	0.18	0.17	0.33	0.01	1.81	2.39	2.66	0.19
04/15/2012	0.23	0.23	0.24	0.22	0.18	0.17	0.47	0.35	1.71	2.47	2.77	0.20
04/16/2012	0.23	0.23	0.24	0.22	0.17	0.17	0.60	0.06	2.21	2.51	2.82	0.20
04/17/2012	0.23	0.23	0.25	0.22	0.16	0.17	0.68	0.17	2.54	2.46	2.77	0.19

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
03/19/2012	0.34	0.39	0.35	0.37	0.39	0.59	0.67	83	59	53	f
03/20/2012	0.33	0.38	0.35	0.37	0.38	0.56	0.67	52	59	54	f
03/21/2012	0.32	0.39	0.34	0.37	0.38	0.52	0.63	41	58	54	f
03/22/2012	0.31	0.39	0.34	0.37	0.38	0.56	0.63 e	34	59	54 e	f
03/23/2012	0.31	0.38	0.34	0.38	0.37	0.59	0.63	29	60	52	f
03/24/2012	0.29	0.38	0.33	0.37	0.38	0.64	0.62	25	60	52 e	f
03/25/2012	0.28	0.37	0.32	0.37	0.37	0.63	0.67	21	58	52 e	f
03/26/2012	0.27	0.36	0.31	0.36	0.37	0.55	0.64	19	55	49	f
03/27/2012	0.26	0.35	0.31	0.36	0.36	0.51	0.64	17	55	48	f
03/28/2012	0.25	0.35	0.31	0.35	0.35	0.51	0.61	16	54	48	f
03/29/2012	0.25	0.35	0.32	0.35	0.36	0.61	0.76	14	54	47	f
03/30/2012	0.25	0.35	0.31	0.36	0.36	0.60	0.76	12	56	49	f
03/31/2012	0.25	0.35	0.30	0.36	0.36	0.54	0.70	11	55	49 e	f
04/01/2012	0.27	0.35	0.29	0.34	0.36	0.51	0.60	10	51	49 e	f
04/02/2012	0.27	0.34	0.29	0.35	0.36	0.59	0.77	8	53	48	f
04/03/2012	0.26	0.34	0.28	0.34	0.36	0.53	0.72	6	51	47	f
04/04/2012	0.26	0.33	0.28	0.34	0.36	0.50	0.64	4	50	48	f
04/05/2012	0.26	0.31	0.27	0.40	0.37	0.51	0.64	4	66	47	f
04/06/2012	0.25	0.31	0.27	0.41	0.37	0.57	0.67	3	69	48	f
04/07/2012	0.24	0.31	0.27	0.35	0.37	0.55	0.68	2	52	48 e	f
04/08/2012	0.23	0.30	0.27	0.37	0.37	0.53	0.64	1	58	48 e	f
04/09/2012	0.23	0.30	0.26	0.35	0.37	0.53	0.60	2	54	49	f
04/10/2012	0.23	0.30	0.26	0.35	0.36	0.49	0.56	3	53	49	f
04/11/2012	0.22	0.30	0.26	0.36	0.37	0.48	0.54	6	56	48	f
04/12/2012	0.22	0.30	0.27	0.34	0.37	0.46	0.52	7	52	48	f
04/13/2012	0.22	0.30	0.28	0.36	0.36	0.43	0.51	7	56	47	f
04/14/2012	0.24	0.31	0.29	0.38	0.36	0.46	0.50	5	60	47 e	f
04/15/2012	0.23	0.32	0.29	0.36	0.36	0.47	0.50	3	54	47 e	f
04/16/2012	0.24	0.32	0.29	0.36	0.36	0.46	0.48	3	55	48	f
04/17/2012	0.24	0.33	0.30	0.35	0.36	0.47	0.48	3	54	48	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
03/19/2012	0.76	0.88	0.89	0.97	0.96	1.11	0.79	0.92
03/20/2012	0.82	0.88	0.83	0.96	0.99	1.12	0.80	0.92
03/21/2012	0.89	0.89	0.83	0.96	0.97	1.12	0.86	0.92
03/22/2012	0.87	0.89	0.89	0.96	0.98 e	1.12	0.84	0.92
03/23/2012	0.85	0.89	0.95	0.96	0.98	1.11	0.95	0.92
03/24/2012	0.87	0.89	0.98	0.96	1.03	1.11	0.91	0.92
03/25/2012	0.87	0.88	0.94	0.97	1.02	1.11	0.93	0.92
03/26/2012	0.86	0.88	0.95	0.97	1.02	1.11	0.93	0.93
03/27/2012	0.88	0.88	0.96	0.97	1.04	1.10	0.93	0.93
03/28/2012	0.87	0.88	0.96	0.97	1.02	1.10	0.95	0.93
03/29/2012	0.89	0.88	0.96	0.96	1.00	1.09	0.94	0.93
03/30/2012	0.88	0.87	0.97	0.96	1.03	1.09	0.96	0.93
03/31/2012	0.88	0.87	0.97	0.96	1.04	1.09	0.95	0.92
04/01/2012	0.86	0.87	0.98	0.96	1.12	1.09	0.95	0.92
04/02/2012	0.84	0.87	0.99	0.96	1.18	1.09	0.96	0.92
04/03/2012	0.78	0.86	0.96	0.96	1.22	1.09	0.95	0.92
04/04/2012	0.66	0.85	0.94	0.96	1.18	1.09	0.93	0.92
04/05/2012	0.59	0.84	0.85	0.95	1.12	1.08	0.85	0.91
04/06/2012	0.52	0.83	0.72	0.94	1.14	NC	0.73	0.90
04/07/2012	0.44	0.81	0.64	0.93	1.18	NC	0.65	0.89
04/08/2012	0.41	0.79	0.54	0.91	1.18	NC	0.55	0.88
04/09/2012	0.38	0.78	0.50	0.89	1.18	1.08	0.49	0.86
04/10/2012	0.39	0.76	0.46	0.87	1.15	1.08	0.45	0.84
04/11/2012	0.39	0.74	0.47	0.86	1.15	1.08	0.45	0.83
04/12/2012	0.38	0.73	0.46	0.84	1.22	1.08	0.43	0.81
04/13/2012	0.40	0.71	0.45	0.82	1.25	1.08	0.42	0.80
04/14/2012	0.40	0.70	0.47	0.80	1.28	1.09	0.43	0.78
04/15/2012	0.42	0.69	0.48	0.79	1.33	1.10	0.47	0.77
04/16/2012	0.46	0.68	0.51	0.78	1.35	1.11	0.46	0.76
04/17/2012	0.34	0.66	0.56	0.77	1.36	1.12	0.53	0.75

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

Wednesday, May 02, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	6 %
Vernalis Base Flow : Monthly average *	>= 1,140 cfs	2,623 cfs
7 Day average *	>= 912 cfs	2,623 cfs
Habitat Protection, X2 / Flow	31 days at Chipps Island	2 day
* 30 days as carryover from April	10 days at Port Chicago*	2 day

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	96 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	47 mg/l

Maximum 30 day running average of mean daily EC at:

Vernalis	<=0.7 mS/cm	0.4 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.5 mS/cm
Old River Near Tracy	<=0.7 mS/cm	1.2 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.5 mS/cm

SUISUN MARSH:

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, Apr 1, 2012)

Previous Month's Index (8RI for Mar.): 3.045 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%: 1.9 MAF (Critical)

Electrical Conductivity (EC) in milliSiemens per Centimeter.
 Chlorides (Cl) in milligrams per liter
 mht - mean high tides
 mnd - 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
04/03/2012	5.45	3.94	33,881	8.64	1.66	2.58	0.25	0.16	0.27	0.18	0.17
04/04/2012	5.69	3.98	33,972	8.25	1.68	2.58	0.25	0.16	0.26	0.19	0.17
04/05/2012	5.60	3.82	30,936	6.86	1.03	2.54	0.24	0.16	0.26	0.18	0.18
04/06/2012	5.69	3.65	26,538	6.35	1.02	2.49	0.25	0.16	0.25	0.17	0.18
04/07/2012	5.84	3.76	24,274	6.99	1.15	2.40	0.27	0.17	0.24	0.18	0.18
04/08/2012	6.22	4.06	21,280	9.27	1.94	2.36	0.34	0.23	0.24	0.18	0.18
04/09/2012	6.43	4.29	19,141	10.07	2.54	2.33	0.41	0.28	0.24	0.19	0.18
04/10/2012	6.69	4.45	18,158	10.94	3.14	2.27	0.49	0.34	0.24	0.19	0.18
04/11/2012	6.52	4.38	17,515	10.67	3.36	2.21	0.59	0.42	0.24	0.19	0.18
04/12/2012	6.23	4.33	17,474	10.18	3.39	2.23	0.54	0.38	0.24	0.19	0.19
04/13/2012	6.14	4.59	23,399	8.95	2.94	2.26	0.48	0.34	0.25	0.19	0.19
04/14/2012	5.56	4.14	35,041	6.02	1.52	2.06	0.30	0.20	0.24	0.19	0.19
04/15/2012	5.33	3.90	42,542	4.43	0.74	1.96	0.25	0.16	0.24	0.20	0.19
04/16/2012	5.41	3.86	44,838	4.75	0.52	1.90	0.23	0.15	0.24	0.20	0.19
04/17/2012	5.46	3.88	42,257	5.32	0.59	1.83	0.22	0.14	0.24	0.18	0.19
04/18/2012	5.67	3.96	32,892	6.42	0.82	1.76	0.22	0.14	0.24	0.17	0.19
04/19/2012	5.74	3.91	25,304	6.35	0.85	1.75	0.22	0.14	0.23	0.17	0.19
04/20/2012	5.67	3.88	22,172	6.57	1.08	1.76	0.22	0.14	0.23	0.18	0.19
04/21/2012	5.85	4.04	20,889	8.39	1.90	1.81	0.24	0.16	0.23	0.18	0.19
04/22/2012	6.10	4.40	21,490	9.49	2.75	1.87	0.33	0.22	0.23	0.19	0.19
04/23/2012	6.57	4.74	21,041	11.48	3.83	1.96	0.56	0.40	0.24	0.20	0.19
04/24/2012	6.30	4.36	20,240	8.93	2.22	1.89	0.34	0.23	0.23	0.20	0.19
04/25/2012	6.06	4.41	22,763	8.89	2.16	1.81	0.32	0.21	0.22	0.20	0.19
04/26/2012	6.19	4.51	27,263	8.51	2.28	1.73	0.34	0.23	0.20	0.20	0.19
04/27/2012	5.40	3.98	28,259	6.40	0.97	1.59	0.25	0.16	0.19	0.20	0.19
04/28/2012	5.07	3.95	32,003	5.93	0.89	1.54	0.24	0.16	0.19	0.19	0.19
04/29/2012	5.20	4.04	35,400	7.82	1.70	1.61	0.24	0.16	0.19	0.17	0.19
04/30/2012	5.56	4.10	34,018	9.21	2.55	1.76	0.28	0.19	0.19	0.17	0.19
05/01/2012	5.70	4.09	28,222	11.89	3.32	1.95	0.35	0.24	0.20	0.17	0.18
05/02/2012	5.85	4.10	26,714	11.88	3.68	2.16	0.35	0.24	0.20	0.16	0.18

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	
04/03/2012	0.24	0.28	0.23	0.25	0.17	0.16	0.72	3.35	3.43	3.34	3.69	0.17	
04/04/2012	0.23	0.27	0.22	0.24	0.16	0.16	0.79		NC	3.40	3.11	3.58	0.19
04/05/2012	0.23	0.26	0.22	0.24	0.16	0.16	0.84		NC	3.17	3.02	3.42	0.18
04/06/2012	0.23	0.26	0.22	0.24	0.16	0.16	0.87		NC	3.15	2.86	3.21	0.17
04/07/2012	0.23	0.25	0.22	0.23	0.16	0.16	0.79		NC	2.84	2.53	3.05	0.18
04/08/2012	0.22	0.25	0.22	0.23	0.16	0.16	0.88		NC	2.48	2.17	2.52	0.18
04/09/2012	0.22	0.24	0.22	0.23	0.17	0.17	0.88		NC	2.15	1.99	2.20	0.19
04/10/2012	0.23	0.24	0.22	0.23	0.17	0.17	0.86		NC	1.94	1.84	2.12	0.19
04/11/2012	0.24	0.24	0.22	0.23	0.17	0.17	0.87		NC	2.05	1.96	2.17	0.21
04/12/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.81		NC	2.30	2.07	2.21	0.20
04/13/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.43		NC	1.30	2.29	2.34	0.20
04/14/2012	0.23	0.24	0.23	0.22	0.18	0.17	0.33		N	1.81	2.39	2.66	0.19
04/15/2012	0.23	0.23	0.24	0.22	0.18	0.17	0.47		NC	1.71	2.47	2.77	0.20
04/16/2012	0.23	0.23	0.24	0.22	0.17	0.17	0.60		N	2.21	2.51	2.82	0.20
04/17/2012	0.23	0.23	0.25	0.22	0.16	0.17	0.68		NC	2.54	2.46	2.77	0.19
04/18/2012	0.23	0.23	0.25	0.23	0.16	0.17	0.76		NC	2.51	2.29	2.67	0.18
04/19/2012	0.23	0.23	0.25	0.23	0.17	0.17	0.81		NC	2.44	2.18	2.52	0.18
04/20/2012	0.23	0.23	0.26	0.23	0.17	0.17	0.83		N	2.33	2.11	2.49	0.18
04/21/2012	0.23	0.23	0.26	0.23	0.17	0.17	0.86		NC	2.17	1.96	2.26	0.18
04/22/2012	0.23	0.23	0.26	0.24	0.18	0.17	0.87		NC	1.93	1.81	2.08	0.19
04/23/2012	0.23	0.23	0.25	0.24	0.18	0.17	0.82		NC	1.78	1.56	1.81	0.20
04/24/2012	0.24	0.23	0.26	0.24	0.19	0.17	0.78	2.02	1.84	1.70	2.00	0.21	
04/25/2012	0.24	0.23	0.26	0.25	0.19	0.17	0.77	2.14	2.00	1.88	2.04	0.20	
04/26/2012	0.24	0.23	0.26	0.25	0.19	0.18	0.77	2.58	2.00	1.94	2.10	0.21	
04/27/2012	0.24	0.23	0.26	0.25	0.18	0.18	0.77	3.49	2.08	2.05	2.17	0.20	
04/28/2012	0.25	0.23	0.26	0.25	0.18	0.18	0.81	3.41	2.11	2.09	2.17	0.20	
04/29/2012	0.24	0.24	0.26	0.25	0.17	0.17	0.81	3.23	2.07	2.06	2.14	0.18	
04/30/2012	0.25	0.24	0.25	0.26	0.15	0.17	0.79	3.08	2.05	2.00	2.07	0.19	
05/01/2012	0.24	0.24	0.25	0.26	0.14	0.17	0.74	2.67	1.98	1.87	1.99	0.18	
05/02/2012	0.24	0.24	0.24	0.26	0.14	0.17	0.73	2.36	1.92	1.79	1.92	0.17	

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
04/03/2012	0.26	0.34	0.28	0.34	0.36	0.53	0.72	6	51	47	f
04/04/2012	0.26	0.33	0.28	0.34	0.36	0.50	0.64	4	50	48	f
04/05/2012	0.26	0.31	0.27	0.40	0.37	0.51	0.64	4	66	47	f
04/06/2012	0.25	0.31	0.27	0.41	0.37	0.57	0.67	3	69	48	f
04/07/2012	0.24	0.31	0.27	0.35	0.37	0.55	0.68	2	52	48 e	f
04/08/2012	0.23	0.30	0.27	0.37	0.37	0.53	0.64	1	58	48 e	f
04/09/2012	0.23	0.30	0.26	0.35	0.37	0.53	0.60	2	54	49	f
04/10/2012	0.23	0.30	0.26	0.35	0.36	0.49	0.56	3	53	49	f
04/11/2012	0.22	0.30	0.26	0.36	0.37	0.48	0.54	6	56	48	f
04/12/2012	0.22	0.30	0.27	0.34	0.37	0.46	0.52	7	52	48	f
04/13/2012	0.22	0.30	0.28	0.36	0.36	0.43	0.51	7	56	47	f
04/14/2012	0.24	0.31	0.29	0.38	0.36	0.46	0.50	5	60	47 e	f
04/15/2012	0.23	0.32	0.29	0.36	0.36	0.47	0.50	3	54	47 e	f
04/16/2012	0.24	0.32	0.29	0.36	0.36	0.46	0.48	3	55	48	f
04/17/2012	0.24	0.33	0.30	0.35	0.36	0.47	0.48	3	54	48	f
04/18/2012	0.25	0.32	0.31	0.42	0.37	0.48	0.49	4	72	49	f
04/19/2012	0.26	0.32	0.32	0.50	0.37	0.49	0.51	4	92	48	f
04/20/2012	0.26	0.32	0.31	0.54	0.38	0.51	0.53	4	103	49	f
04/21/2012	0.26	0.32	0.31	0.58	0.38	0.52	0.52	3	113	49 e	f
04/22/2012	0.26	0.32	0.31	0.61	0.37	0.52	0.51	3	121	49 e	f
04/23/2012	0.28	0.31	0.30	0.63	0.36	0.50	0.52	3	127	47	f
04/24/2012	0.28	0.31	0.31	0.64	0.35	0.52	0.52	6	130	47	f
04/25/2012	0.27	0.31	0.30	0.65	0.35	0.52	0.54	6	133	47	f
04/26/2012	0.27	0.31	0.30	0.67	0.34	0.52	0.54	6	137	44	f
04/27/2012	0.29	0.32	0.31	0.67	0.35	0.53	0.54	8	138	46	f
04/28/2012	0.29	0.32	0.31	0.68	0.35	0.51	0.55	9	140	46 e	f
04/29/2012	0.28	0.32	0.30	0.64	0.36	0.52	0.54	7	128	46 e	f
04/30/2012	0.28	0.32	0.30	0.47	0.35	0.51	0.54	8	85	47	f
05/01/2012	0.28	0.32	0.30	0.43	0.35	0.50	0.54	7	75	47	f
05/02/2012	0.28	0.32	0.29	0.39	0.35	0.48	0.53	6	65	47	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 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
04/03/2012	0.78	0.86	0.96	0.96	1.22	1.09	0.95	0.92
04/04/2012	0.66	0.85	0.94	0.96	1.18	1.09	0.93	0.92
04/05/2012	0.59	0.84	0.85	0.95	1.12	1.08	0.85	0.91
04/06/2012	0.52	0.83	0.72	0.94	1.14	NC	0.73	0.90
04/07/2012	0.44	0.81	0.64	0.93	1.18	NC	0.65	0.89
04/08/2012	0.41	0.79	0.54	0.91	1.18	NC	0.55	0.88
04/09/2012	0.38	0.78	0.50	0.89	1.18	1.08	0.49	0.86
04/10/2012	0.39	0.76	0.46	0.87	1.15	1.08	0.45	0.84
04/11/2012	0.39	0.74	0.47	0.86	1.15	1.08	0.45	0.83
04/12/2012	0.38	0.73	0.46	0.84	1.22	1.08	0.43	0.81
04/13/2012	0.40	0.71	0.45	0.82	1.25	1.08	0.42	0.80
04/14/2012	0.40	0.70	0.47	0.80	1.28	1.09	0.43	0.78
04/15/2012	0.42	0.69	0.48	0.79	1.33	1.10	0.47	0.77
04/16/2012	0.46	0.68	0.51	0.78	1.35	1.11	0.46	0.76
04/17/2012	0.34	0.66	0.56	0.77	1.36	1.12	0.53	0.75
04/18/2012	0.37	0.65	0.42	0.75	1.37	1.14	0.45	0.74
04/19/2012	0.45	0.64	0.45	0.74	1.37	1.15	0.42	0.72
04/20/2012	0.46	0.62	0.51	0.73	1.38	1.16	0.48	0.71
04/21/2012	0.43	0.61	0.53	0.72	1.32	1.17	0.52	0.70
04/22/2012	0.41	0.59	0.49	0.70	1.25	1.18	0.50	0.69
04/23/2012	0.40	0.58	0.46	0.68	1.17	1.19	0.47	0.67
04/24/2012	0.40	0.56	0.46	0.67	1.16	1.19	0.45	0.66
04/25/2012	0.41	0.55	0.46	0.65	1.22	1.20	0.43	0.64
04/26/2012	0.39	0.53	0.48	0.64	1.26	1.21	0.44	0.62
04/27/2012	0.38	0.51	0.46	0.62	1.30	1.22	0.42	0.61
04/28/2012	0.38	0.50	0.44	0.60	1.32	1.23	0.43	0.59
04/29/2012	0.36	0.48	0.45	0.58	1.29	1.23	0.44	0.57
04/30/2012	0.37	0.46	0.43	0.57	1.26	1.24	0.43	0.55
05/01/2012	0.44	0.45	0.43	0.55	1.20	1.24	0.41	0.54
05/02/2012	0.34	0.43	0.47	0.53	1.14	1.24	0.42	0.52

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 07, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	11 %
Vernalis Base Flow : Monthly average *	>= 1,140 cfs	2,995 cfs
7 Day average *	>= 912 cfs	2,995 cfs
Habitat Protection, X2 / Flow	31 days at Chipps Island	7 day
* 30 days as carryover from April	10 days at Port Chicago*	7 day

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	165 days	101 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	50 mg/l
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.4 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.5 mS/cm
Old River Near Tracy	<=0.7 mS/cm	1.2 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.4 mS/cm

SUISUN MARSH:

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, Apr 1, 2012)

Previous Month's Index (8RI for Mar.): 3.045 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%: 1.9 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:
 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
04/08/2012	6.22	4.06	21,280	9.27	1.94	2.36	0.34	0.23	0.24	0.18	0.18
04/09/2012	6.43	4.29	19,141	10.07	2.54	2.33	0.41	0.28	0.24	0.19	0.18
04/10/2012	6.69	4.45	18,158	10.94	3.14	2.27	0.49	0.34	0.24	0.19	0.18
04/11/2012	6.52	4.38	17,515	10.67	3.36	2.21	0.59	0.42	0.24	0.19	0.18
04/12/2012	6.23	4.33	17,474	10.18	3.39	2.23	0.54	0.38	0.24	0.19	0.19
04/13/2012	6.14	4.59	23,399	8.95	2.94	2.26	0.48	0.34	0.25	0.19	0.19
04/14/2012	5.56	4.14	35,041	6.02	1.52	2.06	0.30	0.20	0.24	0.19	0.19
04/15/2012	5.33	3.90	42,542	4.43	0.74	1.96	0.25	0.16	0.24	0.20	0.19
04/16/2012	5.41	3.86	44,838	4.75	0.52	1.90	0.23	0.15	0.24	0.20	0.19
04/17/2012	5.46	3.88	42,257	5.32	0.59	1.83	0.22	0.14	0.24	0.18	0.19
04/18/2012	5.67	3.96	32,892	6.42	0.82	1.76	0.22	0.14	0.24	0.17	0.19
04/19/2012	5.74	3.91	25,304	6.35	0.85	1.75	0.22	0.14	0.23	0.17	0.19
04/20/2012	5.67	3.88	22,172	6.57	1.08	1.76	0.22	0.14	0.23	0.18	0.19
04/21/2012	5.85	4.04	20,889	8.39	1.90	1.81	0.24	0.16	0.23	0.18	0.19
04/22/2012	6.10	4.40	21,490	9.49	2.75	1.87	0.33	0.22	0.23	0.19	0.19
04/23/2012	6.57	4.74	21,041	11.48	3.83	1.96	0.56	0.40	0.24	0.20	0.19
04/24/2012	6.30	4.36	20,240	8.93	2.22	1.89	0.34	0.23	0.23	0.20	0.19
04/25/2012	6.06	4.41	22,763	8.89	2.16	1.81	0.32	0.21	0.22	0.20	0.19
04/26/2012	6.19	4.51	27,263	8.51	2.28	1.73	0.34	0.23	0.20	0.20	0.19
04/27/2012	5.40	3.98	28,259	6.40	0.97	1.59	0.25	0.16	0.19	0.20	0.19
04/28/2012	5.07	3.95	32,003	5.93	0.89	1.54	0.24	0.16	0.19	0.19	0.19
04/29/2012	5.20	4.04	35,400	7.82	1.70	1.61	0.24	0.16	0.19	0.17	0.19
04/30/2012	5.56	4.10	34,018	9.21	2.55	1.76	0.28	0.19	0.19	0.17	0.19
05/01/2012	5.70	4.09	28,222	11.89	3.32	1.95	0.35	0.24	0.20	0.17	0.18
05/02/2012	5.85	4.10	26,714	11.88	3.68	2.16	0.35	0.24	0.20	0.16	0.18
05/03/2012	6.04	4.08	25,639	12.01	3.51	2.35	0.44	0.31	0.22	0.15	0.18
05/04/2012	6.17	4.03	24,626	10.98	3.00	2.48	0.45	0.31	0.23	0.14	0.18
05/05/2012	6.13	3.89	23,436	9.84	2.77	2.55	0.42	0.29	0.24	0.14	0.18
05/06/2012	6.37	4.04	21,429	10.90	3.07	2.57	0.51	0.36	0.25	0.15	0.17
05/07/2012	6.54	4.15	20,138	11.54	3.86	2.57	0.62	0.45	0.25	0.16	0.17

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	
04/08/2012	0.22	0.25	0.22	0.23	0.16	0.16	0.88		NC	2.48	2.17	2.52	0.18
04/09/2012	0.22	0.24	0.22	0.23	0.17	0.17	0.88		NC	2.15	1.99	2.20	0.19
04/10/2012	0.23	0.24	0.22	0.23	0.17	0.17	0.86		NC	1.94	1.84	2.12	0.19
04/11/2012	0.24	0.24	0.22	0.23	0.17	0.17	0.87		NC	2.05	1.96	2.17	0.21
04/12/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.81		NC	2.30	2.07	2.21	0.20
04/13/2012	0.24	0.24	0.22	0.22	0.18	0.17	0.43		NC	1.30	2.29	2.34	0.20
04/14/2012	0.23	0.24	0.23	0.22	0.18	0.17	0.33		N	1.81	2.39	2.66	0.19
04/15/2012	0.23	0.23	0.24	0.22	0.18	0.17	0.47		NC	1.71	2.47	2.77	0.20
04/16/2012	0.23	0.23	0.24	0.22	0.17	0.17	0.60		N	2.21	2.51	2.82	0.20
04/17/2012	0.23	0.23	0.25	0.22	0.16	0.17	0.68		NC	2.54	2.46	2.77	0.19
04/18/2012	0.23	0.23	0.25	0.23	0.16	0.17	0.76		NC	2.51	2.29	2.67	0.18
04/19/2012	0.23	0.23	0.25	0.23	0.17	0.17	0.81		NC	2.44	2.18	2.52	0.18
04/20/2012	0.23	0.23	0.26	0.23	0.17	0.17	0.83		N	2.33	2.11	2.49	0.18
04/21/2012	0.23	0.23	0.26	0.23	0.17	0.17	0.86		NC	2.17	1.96	2.26	0.18
04/22/2012	0.23	0.23	0.26	0.24	0.18	0.17	0.87		NC	1.93	1.81	2.08	0.19
04/23/2012	0.23	0.23	0.25	0.24	0.18	0.17	0.82		NC	1.78	1.56	1.81	0.20
04/24/2012	0.24	0.23	0.26	0.24	0.19	0.17	0.78	2.02		1.84	1.70	2.00	0.21
04/25/2012	0.24	0.23	0.26	0.25	0.19	0.17	0.77	2.14		2.00	1.88	2.04	0.20
04/26/2012	0.24	0.23	0.26	0.25	0.19	0.18	0.77	2.58		2.00	1.94	2.10	0.21
04/27/2012	0.24	0.23	0.26	0.25	0.18	0.18	0.77	3.49		2.08	2.05	2.17	0.20
04/28/2012	0.25	0.23	0.26	0.25	0.18	0.18	0.81	3.41		2.11	2.09	2.17	0.20
04/29/2012	0.24	0.24	0.26	0.25	0.17	0.17	0.81	3.23		2.07	2.06	2.14	0.18
04/30/2012	0.25	0.24	0.25	0.26	0.15	0.17	0.79	3.08		2.05	2.00	2.07	0.19
05/01/2012	0.24	0.24	0.25	0.26	0.14	0.17	0.74	2.67		1.98	1.87	1.99	0.18
05/02/2012	0.24	0.24	0.24	0.26	0.14	0.17	0.73	2.36		1.92	1.79	1.92	0.17
05/03/2012	0.23	0.24	0.24	0.25	0.14	0.17	0.71	2.32		1.90	1.76	1.86	0.17
05/04/2012	0.23	0.24	0.24	0.25	0.14	0.17	0.71	2.33		1.87	1.77	1.82	0.14
05/05/2012	0.23	0.24	0.23	0.25	0.14	0.16	0.66	2.05		1.86	1.74	1.79	0.14
05/06/2012	0.22	0.24	0.23	0.25	0.15	0.16	0.63	1.92		1.75	1.62	1.74	0.15
05/07/2012	0.22	0.24	0.23	0.25	0.15	0.16	0.61	1.98		e	1.56	1.69	0.15

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	
04/08/2012	0.23	0.30	0.27	0.37	0.37	0.53	0.64	1	58	48 e	f	
04/09/2012	0.23	0.30	0.26	0.35	0.37	0.53	0.60	2	54	49	f	
04/10/2012	0.23	0.30	0.26	0.35	0.36	0.49	0.56	3	53	49	f	
04/11/2012	0.22	0.30	0.26	0.36	0.37	0.48	0.54	6	56	48	f	
04/12/2012	0.22	0.30	0.27	0.34	0.37	0.46	0.52	7	52	48	f	
04/13/2012	0.22	0.30	0.28	0.36	0.36	0.43	0.51	7	56	47	f	
04/14/2012	0.24	0.31	0.29	0.38	0.36	0.46	0.50	5	60	47 e	f	
04/15/2012	0.23	0.32	0.29	0.36	0.36	0.47	0.50	3	54	47 e	f	
04/16/2012	0.24	0.32	0.29	0.36	0.36	0.46	0.48	3	55	48	f	
04/17/2012	0.24	0.33	0.30	0.35	0.36	0.47	0.48	3	54	48	f	
04/18/2012	0.25	0.32	0.31	0.42	0.37	0.48	0.49	4	72	49	f	
04/19/2012	0.26	0.32	0.32	0.50	0.37	0.49	0.51	4	92	48	f	
04/20/2012	0.26	0.32	0.31	0.54	0.38	0.51	0.53	4	103	49	f	
04/21/2012	0.26	0.32	0.31	0.58	0.38	0.52	0.52	3	113	49 e	f	
04/22/2012	0.26	0.32	0.31	0.61	0.37	0.52	0.51	3	121	49 e	f	
04/23/2012	0.28	0.31	0.30	0.63	0.36	0.50	0.52	3	127	47	f	
04/24/2012	0.28	0.31	0.31	0.64	0.35	0.52	0.52	6	130	47	f	
04/25/2012	0.27	0.31	0.30	0.65	0.35	0.52	0.54	6	133	47	f	
04/26/2012	0.27	0.31	0.30	0.67	0.34	0.52	0.54	6	137	44	f	
04/27/2012	0.29	0.32	0.31	0.67	0.35	0.53	0.54	8	138	46	f	
04/28/2012	0.29	0.32	0.31	0.68	0.35	0.51	0.55	9	140	46 e	f	
04/29/2012	0.28	0.32	0.30	0.64	0.36	0.52	0.54	7	128	46 e	f	
04/30/2012	0.28	0.32	0.30	0.47	0.35	0.51	0.54	8	85	47	f	
05/01/2012	0.28	0.32	0.30	0.43	0.35	0.50	0.54	7	75	47	f	
05/02/2012	0.28	0.32	0.29	0.39	0.35	0.48	0.53	6	65	47	f	
05/03/2012	0.28	0.32	0.29	0.38	0.37	0.48	0.51	4	60	49	f	
05/04/2012	0.27	0.32	0.29	0.37	0.38	0.47	0.51	3	58	51	f	
05/05/2012	0.27	0.31	0.28	0.41	0.38	0.46	0.50	2	68	51 e	f	
05/06/2012	0.25	0.31	0.27	0.48	0.37	0.45	0.49	--	BR	87	51 e	f
05/07/2012	0.24	0.30	0.27	0.39	0.37	0.45	0.48	1	64	50	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 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
04/08/2012	0.41	0.79	0.54	0.91	1.18	NC	0.55	0.88
04/09/2012	0.38	0.78	0.50	0.89	1.18	1.08	0.49	0.86
04/10/2012	0.39	0.76	0.46	0.87	1.15	1.08	0.45	0.84
04/11/2012	0.39	0.74	0.47	0.86	1.15	1.08	0.45	0.83
04/12/2012	0.38	0.73	0.46	0.84	1.22	1.08	0.43	0.81
04/13/2012	0.40	0.71	0.45	0.82	1.25	1.08	0.42	0.80
04/14/2012	0.40	0.70	0.47	0.80	1.28	1.09	0.43	0.78
04/15/2012	0.42	0.69	0.48	0.79	1.33	1.10	0.47	0.77
04/16/2012	0.46	0.68	0.51	0.78	1.35	1.11	0.46	0.76
04/17/2012	0.34	0.66	0.56	0.77	1.36	1.12	0.53	0.75
04/18/2012	0.37	0.65	0.42	0.75	1.37	1.14	0.45	0.74
04/19/2012	0.45	0.64	0.45	0.74	1.37	1.15	0.42	0.72
04/20/2012	0.46	0.62	0.51	0.73	1.38	1.16	0.48	0.71
04/21/2012	0.43	0.61	0.53	0.72	1.32	1.17	0.52	0.70
04/22/2012	0.41	0.59	0.49	0.70	1.25	1.18	0.50	0.69
04/23/2012	0.40	0.58	0.46	0.68	1.17	1.19	0.47	0.67
04/24/2012	0.40	0.56	0.46	0.67	1.16	1.19	0.45	0.66
04/25/2012	0.41	0.55	0.46	0.65	1.22	1.20	0.43	0.64
04/26/2012	0.39	0.53	0.48	0.64	1.26	1.21	0.44	0.62
04/27/2012	0.38	0.51	0.46	0.62	1.30	1.22	0.42	0.61
04/28/2012	0.38	0.50	0.44	0.60	1.32	1.23	0.43	0.59
04/29/2012	0.36	0.48	0.45	0.58	1.29	1.23	0.44	0.57
04/30/2012	0.37	0.46	0.43	0.57	1.26	1.24	0.43	0.55
05/01/2012	0.44	0.45	0.43	0.55	1.20	1.24	0.41	0.54
05/02/2012	0.34	0.43	0.47	0.53	1.14	1.24	0.42	0.52
05/03/2012	0.27	0.42	0.43	0.51	1.08	1.24	0.47	0.50
05/04/2012	0.26	0.40	0.32	0.49	1.06	1.23	0.35	0.48
05/05/2012	0.26	0.39	0.31	0.48	1.09	1.23	0.30	0.46
05/06/2012	0.25	0.38	0.31	0.46	0.92	1.23	0.30	0.45
05/07/2012	0.24	0.37	0.30	0.45	0.76	1.21	0.30	0.44

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, June 05, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	25 %
Vernalis Base Flow : Monthly average *	>= 1,420 cfs	1,583 cfs
7 Day average *	>= 1,136 cfs	1,583 cfs
Habitat Protection, X2 / Flow	1 day at Chipps Island 30 days at Collinsville	1 day 5 days

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	130 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	30 mg/l
14dm EC at Emmaton	<= 0.45 mS/cm	0.30 mS/cm
14dm EC at Jersey Point	<= 0.45 mS/cm	0.24 mS/cm
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	0.4 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.6 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.3 mS/cm

SUISUN MARSH:

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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:
 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	Chipps Island		Collinsville	
	Hlgh	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
05/07/2012	6.54	4.15	20,138	11.54	3.86	2.57	0.62	0.45	0.25	0.16	0.17
05/08/2012	6.61	4.28	20,584	12.27	4.02	2.70	0.75	0.55	0.27	0.16	0.17
05/09/2012	6.60	4.41	16,755	12.23	4.38	2.86	0.86	0.64	0.31	0.17	0.17
05/10/2012	6.25	4.27	16,719	12.18	4.21	3.00	0.76	0.55	0.33	0.18	0.16
05/11/2012	5.81	4.15	15,904	11.48	3.94	3.21	0.62	0.45	0.35	0.17	0.16
05/12/2012	5.49	4.09	15,995	10.59	3.63	3.40	0.57	0.40	0.37	0.17	0.16
05/13/2012	5.77	4.22	12,703	13.07	4.24	3.58	0.70	0.51	0.39	0.20	0.16
05/14/2012	5.61	3.92	11,279	11.88	3.65	3.66	0.66	0.48	0.41	0.20	0.17
05/15/2012	5.71	3.93	11,548	12.68	4.95	3.78	0.71	0.52	0.43	0.19	0.17
05/16/2012	5.86	3.98	9,561	14.96	5.40	3.90	0.95	0.72	0.47	0.22	0.17
05/17/2012	5.94	4.14	7,856	17.28	7.15	4.16	1.41	1.10	0.52	0.28	0.18
05/18/2012	6.12	4.08	6,599	16.59	7.47	4.48	1.58	1.25	0.59	0.33	0.19
05/19/2012	6.02	4.04	7,703	16.31	7.67	4.83	1.82	1.46	0.67	0.39	0.21
05/20/2012	6.11	4.12	6,721	16.58	8.24	5.20	2.17	1.78	0.78	0.52	0.24
05/21/2012	6.16	4.18	6,585	18.23	9.76	5.62	3.01	2.54	0.93	0.70	0.28
05/22/2012	6.20	4.22	6,777	17.87	9.42	6.01	3.09	2.63	1.07	0.84	0.33
05/23/2012	6.13	4.12	7,621	17.77	9.33	6.36	3.18	2.71	1.22	0.96	0.38
05/24/2012	5.93	4.28	9,594	17.48	9.75	6.76	3.21	2.74	1.38	0.99	0.44
05/25/2012	6.16	4.25	8,975	18.89	9.94	7.18	3.68	3.18	1.57	1.25	0.52
05/26/2012	5.45	3.96	9,534	17.02	8.92	7.56	2.73	2.29	1.71	0.82	0.56
05/27/2012	4.98	3.70	9,437	16.02	8.12	7.84	2.29	1.88	1.81	0.67	0.60
05/28/2012	5.25	3.67	9,278	17.85	8.41	8.18	2.57	2.14	1.92	0.64	0.63
05/29/2012	5.37	3.63	5,863	17.64	8.88	8.46	2.55	2.12	2.04	0.62	0.66
05/30/2012	5.71	3.64	6,240	17.67	9.62	8.76	2.88	2.43	2.16	0.75	0.70
05/31/2012	5.94	3.72	6,565	18.84	10.95	9.03	3.57	3.08	2.30	1.09	0.75
06/01/2012	6.21	4.00	6,985	21.23	13.14	9.44	4.82	4.29	2.52	1.75	0.86
06/02/2012	6.50	4.26	6,239	23.46	14.91	9.96	6.54	6.00	2.84	2.52	1.01
06/03/2012	6.73	4.28	6,038	24.30	14.65	10.41	6.81	6.28	3.16	2.94	1.18
06/04/2012	6.79	4.32	6,384	23.40	15.26	10.81	6.84	6.31	3.43	3.09	1.35
06/05/2012	6.69	4.11	6,193	22.61	14.43	11.17	6.77	6.24	3.69	2.97	1.50

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
05/07/2012	0.22	0.24	0.23	0.25	0.15	0.16	0.61	1.98	e	1.56	1.69	0.15
05/08/2012	0.23	0.24	0.22	0.25	0.15	0.16	0.59	1.95	1.69	1.53	1.65	0.16
05/09/2012	0.23	0.23	0.22	0.24	0.15	0.15	0.54	1.94	1.76	1.62	1.67	0.17
05/10/2012	0.23	0.23	0.22	0.24	0.16	0.15	0.49	2.02	1.87	1.70	1.74	0.18
05/11/2012	0.23	0.23	0.22	0.24	0.16	0.15	0.44	2.13	1.93	1.81	1.79	0.17
05/12/2012	0.23	0.23	0.22	0.23	0.16	0.15	0.47	2.28	1.92	1.91	1.82	0.18
05/13/2012	0.23	0.23	0.22	0.23	0.16	0.15	0.50	2.44	1.97	1.93	1.85	0.30
05/14/2012	0.23	0.23	0.22	0.23	0.16	0.15	0.57	2.73	1.98	1.96	1.84	0.18
05/15/2012	0.23	0.23	0.22	0.23	0.15	0.15	0.60	2.99	e	2.12	1.89	0.20
05/16/2012	0.23	0.23	0.22	0.22	0.15	0.15	0.58	3.02	2.31	2.28	1.95	0.27
05/17/2012	0.25	0.23	0.22	0.22	0.16	0.15	0.54	3.08	2.39	2.31	2.01	0.29
05/18/2012	0.28	0.23	0.22	0.22	0.16	0.15	0.54	3.46	2.56	2.39	2.14	0.44
05/19/2012	0.30	0.24	0.22	0.22	0.17	0.15	0.49	3.73	2.91	2.81	2.36	0.44
05/20/2012	0.34	0.25	0.22	0.22	0.17	0.16	0.44	4.08	3.12	2.85	2.54	0.61
05/21/2012	0.40	0.26	0.22	0.22	0.19	0.16	0.49	4.31	3.37	3.21	2.91	0.86
05/22/2012	0.46	0.28	0.22	0.22	0.21	0.16	0.51	4.87	3.71	3.38	2.96	1.23
05/23/2012	0.49	0.30	0.23	0.22	0.23	0.17	0.51	5.39	3.73	3.51	2.88	1.23
05/24/2012	0.51	0.31	0.23	0.22	0.23	0.18	0.49	5.88	3.83	3.55	2.99	1.37
05/25/2012	0.60	0.34	0.24	0.22	0.27	0.18	0.46	6.16	3.88	3.73	2.88	1.61
05/26/2012	0.45	0.36	0.22	0.22	0.22	0.19	0.40	6.11	3.65	3.82	2.72	1.11
05/27/2012	0.42	0.37	0.22	0.22	0.21	0.19	0.43	6.06	3.75	3.86	2.95	0.95
05/28/2012	0.40	0.38	0.22	0.22	0.22	0.20	0.56	5.94	3.90	4.01	3.11	0.94
05/29/2012	0.40	0.39	0.22	0.22	0.21	0.20	0.58	5.83	4.07	3.93	3.37	0.82
05/30/2012	0.41	0.41	0.22	0.22	0.21	0.20	0.60	5.72	4.20	4.14	3.63	1.29
05/31/2012	0.48	0.42	0.22	0.22	0.22	0.21	0.59	5.90	4.67	4.73	4.23	1.49
06/01/2012	0.67	0.45	0.23	0.22	0.26	0.22	0.58	6.28	5.65	5.66	4.99	2.38
06/02/2012	0.98	0.50	0.25	0.23	0.37	0.23	0.48	6.97	6.32	6.49	5.60	3.22
06/03/2012	1.18	0.56	0.27	0.23	0.47	0.25	0.45	8.63	7.35	6.78	6.03	3.74
06/04/2012	1.34	0.63	0.28	0.23	0.53	0.28	0.42	10.40	8.29	6.87	7.17	4.29
06/05/2012	1.42	0.70	0.30	0.24	0.52	0.30	0.39	11.45	8.46	7.96	7.30	4.24

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
05/07/2012	0.24	0.30	0.27	0.39	0.37	0.45	0.48	1	64	50	f
05/08/2012	0.24	0.30	0.27	0.34	0.36	0.45	0.47	2	52	48	f
05/09/2012	0.24	0.29	0.27	0.34	0.35	0.44	0.47	4	50	47	f
05/10/2012	0.24	0.29	0.28	0.33	0.34	0.45	0.46	4	48	44	f
05/11/2012	0.24	0.29	0.28	0.32	0.33	0.45	0.46	4	46	42	f
05/12/2012	0.23	0.29	0.28	0.33	0.32	0.45	0.46	3	47	42 e	f
05/13/2012	0.25	0.29	0.27	0.33	0.32	0.45	0.45	3	48	42 e	f
05/14/2012	0.25	0.27	0.27	0.32	0.32	0.41	0.42	3	45	42 e	f
05/15/2012	0.24	0.28	0.26	0.33	0.32	0.41	0.40	3	47	40	f
05/16/2012	0.24	0.28	0.25	0.32	0.32	0.40	0.38	4	44	39	f
05/17/2012	0.24	0.27	0.25	0.31	0.31	0.39	0.37	11	42	39	f
05/18/2012	0.24	0.27	0.25	0.32	0.29	0.36	0.36	19	46	37	f
05/19/2012	0.24	0.27	0.25	0.35	0.28	0.36	0.35	26	54	37 e	f
05/20/2012	0.23	0.27	0.24	0.42	0.28	0.36	0.36	37	72	37 e	f
05/21/2012	0.24	0.27	0.24	0.52	0.27	0.35	0.36	57	97	33	f
05/22/2012	0.24	0.26	0.24	0.60	0.27	0.34	0.36	75	118	34	f
05/23/2012	0.24	0.26	0.23	0.60	0.27	0.34	0.35	85	119	33	f
05/24/2012	0.24	0.25	0.23	0.45	0.26	0.33	0.35	92	80	32	f
05/25/2012	0.24	0.25	0.23	0.31	0.26	0.33	0.34	123	44	32	f
05/26/2012	0.24	0.25	0.23	0.27	0.26	0.33	0.36	72	31	32 e	f
05/27/2012	0.23	0.25	0.23	0.26	0.26	0.33	0.37	63	30	32 e	f
05/28/2012	0.23	0.25	0.23	0.27	0.26	0.34	0.38	56	31	32 e	f
05/29/2012	0.23	0.25	0.22	0.27	0.26	0.34	0.37	59	32	31	f
05/30/2012	0.23	0.26	0.22	0.28	0.27	0.31	0.35	62	33	30	f
05/31/2012	0.22	0.25	0.22	0.28	0.26	0.30	0.33	84	35	31	f
06/01/2012	0.22	0.25	0.22	0.39	0.26	0.30	0.33	143	63	31	f
06/02/2012	0.22	0.25	0.22	0.43	0.26	0.31	0.32	244	74	31 e	f
06/03/2012	0.23	0.25	0.22	0.45	0.25	0.32	0.32	305	80	31 e	f
06/04/2012	0.22	0.25	0.22	0.52	0.25	0.32	0.33	358	97	29	f
06/05/2012	0.23	0.25	0.21	0.55	0.25	0.33	0.34	381	105	30	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 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
05/07/2012	0.24	0.37	0.30	0.45	0.76	1.21	0.30	0.44
05/08/2012	0.24	0.37	0.29	0.44	0.69	1.20	0.29	0.43
05/09/2012	0.25	0.36	0.29	0.43	0.64	1.18	0.28	0.42
05/10/2012	0.21	0.36	0.29	0.43	0.56	1.16	0.28	0.42
05/11/2012	0.17	0.35	0.24	0.42	0.49	1.14	0.27	0.41
05/12/2012	0.16	0.34	0.21	0.41	0.47	1.11	0.22	0.40
05/13/2012	0.17	0.34	0.20	0.41	0.45	1.09	0.20	0.40
05/14/2012	0.18	0.33	0.21	0.40	0.41	1.06	0.21	0.39
05/15/2012	0.22	0.32	0.22	0.39	0.37	1.02	0.21	0.38
05/16/2012	0.26	0.32	0.26	0.38	0.34	0.99	0.24	0.37
05/17/2012	0.30	0.31	0.31	0.37	0.34	0.96	0.27	0.36
05/18/2012	0.32	0.31	0.35	0.37	0.34	0.92	0.30	0.36
05/19/2012	0.32	0.31	0.38	0.37	0.39	0.89	0.34	0.36
05/20/2012	0.33	0.30	0.39	0.36	0.42	0.86	0.38	0.35
05/21/2012	0.35	0.30	0.40	0.36	0.48	0.83	0.35	0.35
05/22/2012	0.35	0.30	0.41	0.36	0.47	0.80	0.35	0.34
05/23/2012	0.31	0.30	0.42	0.35	0.47	0.78	0.38	0.34
05/24/2012	0.28	0.29	0.40	0.35	0.49	0.76	0.41	0.34
05/25/2012	0.32	0.29	0.36	0.35	0.54	0.74	0.38	0.34
05/26/2012	0.34	0.29	0.37	0.35	0.57	0.71	0.35	0.33
05/27/2012	0.30	0.28	0.43	0.34	0.60	0.69	0.37	0.33
05/28/2012	0.31	0.28	0.38	0.34	0.66	0.67	0.41	0.33
05/29/2012	0.30	0.28	0.38	0.34	0.64	0.65	0.35	0.33
05/30/2012	0.30	0.28	0.39	0.34	0.64	0.62	0.37	0.33
05/31/2012	0.32	0.27	0.37	0.34	0.63	0.61	0.36	0.32
06/01/2012	0.38	0.28	0.41	0.33	0.68	0.59	0.36	0.32
06/02/2012	0.40	0.28	0.46	0.34	0.73	0.58	0.38	0.32
06/03/2012	0.42	0.29	0.49	0.34	0.77	0.57	0.41	0.32
06/04/2012	0.44	0.29	0.51	0.35	0.78	0.56	0.46	0.33
06/05/2012	0.45	0.30	0.53	0.36	0.74	0.55	0.52	0.33

Electrical Conductivity (EC) units: milliSiemens per Centimeter

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Compliance Standards

for the Sacramento - San Joaquin Delta and Suisun Marsh
Thursday, June 21, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	15 %
Vernalis Base Flow : Monthly average *	>= 1,420 cfs	1,401 cfs
7 Day average *	>= 1,136 cfs	1,415 cfs
Habitat Protection, X2 / Flow	30 days at Collinsville	21 days

Water Quality		
Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	146 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	28 mg/l
14dm EC at Emmatton	<= 1.14 mS/cm	mS/cm
14dm EC at Jersey Point	<= 0.74 mS/cm	0.45 mS/cm
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.4 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.5 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.7 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.4 mS/cm
SUISUN MARSH:		
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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 MAF (Dry)

Electrical Conductivity (EC) in milliSiemens per Centimeter.
 Chlorides (Cl) in milligrams per liter
 mht - mean high tides
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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	Chipps Island		Collinsville	
	High	Half			mdEC	14dm		mdEC	14dm	mdEC	14dm
05/23/2012	6.13	4.12	7,621	17.77	9.33	6.36	3.18	2.71	1.22	0.96	0.38
05/24/2012	5.93	4.28	9,594	17.48	9.75	6.76	3.21	2.74	1.38	0.99	0.44
05/25/2012	6.16	4.25	8,975	18.89	9.94	7.18	3.68	3.18	1.57	1.25	0.52
05/26/2012	5.45	3.96	9,534	17.02	8.92	7.56	2.73	2.29	1.71	0.82	0.56
05/27/2012	4.98	3.70	9,437	16.02	8.12	7.84	2.29	1.88	1.81	0.67	0.60
05/28/2012	5.25	3.67	9,278	17.85	8.41	8.18	2.57	2.14	1.92	0.64	0.63
05/29/2012	5.37	3.63	5,863	17.64	8.88	8.46	2.55	2.12	2.04	0.62	0.66
05/30/2012	5.71	3.64	6,240	17.67	9.62	8.76	2.88	2.43	2.16	0.75	0.70
05/31/2012	5.94	3.72	6,565	18.84	10.95	9.03	3.57	3.08	2.30	1.09	0.75
06/01/2012	6.21	4.00	6,985	21.23	13.14	9.44	4.82	4.29	2.52	1.75	0.86
06/02/2012	6.50	4.26	6,239	23.46	14.91	9.96	6.54	6.00	2.84	2.52	1.01
06/03/2012	6.73	4.28	6,038	24.30	14.65	10.41	6.81	6.28	3.16	2.94	1.18
06/04/2012	6.79	4.32	6,384	23.40	15.26	10.81	6.84	6.31	3.43	3.09	1.35
06/05/2012	6.69	4.11	6,193	22.61	14.43	11.17	6.77	6.24	3.69	2.97	1.50
06/06/2012	6.27	3.96	6,733	22.51	13.86	11.49	6.25	5.71	3.91	2.74	1.63
06/07/2012	6.20	-- e	6,807	22.84	14.48	11.83	6.43	5.89	4.13	2.85	1.76
06/08/2012	6.02	4.13	7,831	22.85	14.00	12.12	6.32	5.78	4.32	2.78	1.87
06/09/2012	5.50	3.82	8,600	22.50 e	12.16 e	12.35	5.03 e	4.49 e	4.47	2.38	1.98
06/10/2012	5.37	3.68	8,823	20.26	7.05	12.27	4.73	4.20	4.64	1.93	2.08
06/11/2012	5.65	3.75	7,891	19.27	12.20	12.54	5.07	4.54	4.81	2.12	2.18
06/12/2012	5.92	3.94	7,067	20.85	13.80	12.89	6.29	5.76	5.07	2.81	2.34
06/13/2012	6.30	4.20	6,121	24.10	15.41	13.31	7.36	6.84	5.39	3.41	2.53
06/14/2012	6.39	4.40	8,528	25.24	16.76	13.72	8.27	7.78	5.72	4.24	2.75
06/15/2012	6.43	4.45	8,160	25.11	16.73	13.98	8.22	7.73	5.97	4.26	2.93
06/16/2012	6.55	4.48	7,835	24.29	16.33	14.08	7.97	7.47	6.07	4.10	3.04
06/17/2012	6.58	4.72	8,619	25.13	17.50	14.28	9.06	8.61	6.24	4.92	3.18
06/18/2012	6.92	4.94	8,936	27.26	17.59	14.45	9.90	9.49	6.47	5.47	3.35
06/19/2012	6.94	4.73	9,344	25.42	16.47	14.60	8.50	8.02	6.59	4.73	3.48
06/20/2012	6.66	4.61	10,443	23.97	15.80	14.73	7.87	7.36	6.71	4.09	3.58
06/21/2012	6.78	4.80	10,357	25.23	15.81	14.83	8.47	7.98	6.86	4.36	3.68

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
05/23/2012	0.49	0.30	0.23	0.22	0.23	0.17	0.51	5.39	3.73	3.51	2.88	1.23
05/24/2012	0.51	0.31	0.23	0.22	0.23	0.18	0.49	5.88	3.83	3.55	2.99	1.37
05/25/2012	0.60	0.34	0.24	0.22	0.27	0.18	0.46	6.16	3.88	3.73	2.88	1.61
05/26/2012	0.45	0.36	0.22	0.22	0.22	0.19	0.40	6.11	3.65	3.82	2.72	1.11
05/27/2012	0.42	0.37	0.22	0.22	0.21	0.19	0.43	6.06	3.75	3.86	2.95	0.95
05/28/2012	0.40	0.38	0.22	0.22	0.22	0.20	0.56	5.94	3.90	4.01	3.11	0.94
05/29/2012	0.40	0.39	0.22	0.22	0.21	0.20	0.58	5.83	4.07	3.93	3.37	0.82
05/30/2012	0.41	0.41	0.22	0.22	0.21	0.20	0.60	5.72	4.20	4.14	3.63	1.29
05/31/2012	0.48	0.42	0.22	0.22	0.22	0.21	0.59	5.90	4.67	4.73	4.23	1.49
06/01/2012	0.67	0.45	0.23	0.22	0.26	0.22	0.58	6.28	5.65	5.66	4.99	2.38
06/02/2012	0.98	0.50	0.25	0.23	0.37	0.23	0.48	6.97	6.32	6.49	5.60	3.22
06/03/2012	1.18	0.56	0.27	0.23	0.47	0.25	0.45	8.63	7.35	6.78	6.03	3.74
06/04/2012	1.34	0.63	0.28	0.23	0.53	0.28	0.42	10.40	8.29	6.87	7.17	4.29
06/05/2012	1.42	0.70	0.30	0.24	0.52	0.30	0.39	11.45	8.46	7.96	7.30	4.24
06/06/2012	1.25	0.75	0.29	0.24	0.45	0.31	0.38	11.08	8.37	7.81	7.29	3.41
06/07/2012	1.29	0.81	0.30	0.25	0.47	0.33	0.39	10.89	8.69	7.78	7.83	e
06/08/2012	1.36	0.86	0.32	0.26	0.42	0.34	0.40	10.88	8.66	7.15	7.45	3.84
06/09/2012	1.23	0.91	NR	0.26	0.27	0.34	0.35 e	10.90	8.04	7.73	7.55	3.01
06/10/2012	1.20 e	0.94	0.29	0.27	0.26	0.35	0.37	10.83	8.17	7.65	7.81	2.64
06/11/2012	1.06	0.99	0.32	0.27	0.26	0.35	0.39	10.59	8.22	7.52	7.92	3.49
06/12/2012	1.20	1.05	0.35	0.28	0.28	0.36	0.41	10.56	8.43	7.95	7.94	4.42
06/13/2012	1.52	1.12	0.39	0.29	0.35	0.37	0.37	10.82	8.96	7.98	8.05	4.82
06/14/2012	1.77	1.22	0.45	0.31	0.44	0.38	0.35	11.17	9.02	9.03	8.46	4.73
06/15/2012	1.90	1.30	0.47	0.33	0.49	0.40	0.35	11.58	9.48	9.55	8.81	5.56
06/16/2012	1.99	1.38	0.50	0.35	0.57	0.41	0.35	11.91	9.60	10.25	8.62	4.95
06/17/2012	2.26	1.45	0.54	0.37	NR	NC	0.37	12.23	10.03	10.41	9.63	5.50
06/18/2012	2.62	1.54	0.63	0.39	NR	NC	0.43	13.11	10.56	10.76	9.66	6.64
06/19/2012	2.37	1.61	0.60	0.41	NR	NC	0.50	14.00	10.96	10.54	9.62	5.69
06/20/2012	2.10	1.67	0.57	0.43	NR	NC	0.52	13.82	10.93	10.89	9.98	4.79
06/21/2012	2.23	1.74	0.59	0.45	0.58	NC	0.47	13.55	10.58	9.67	10.39	5.25

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
05/23/2012	0.24	0.26	0.23	0.60	0.27	0.34	0.35	85	119	33	f
05/24/2012	0.24	0.25	0.23	0.45	0.26	0.33	0.35	92	80	32	f
05/25/2012	0.24	0.25	0.23	0.31	0.26	0.33	0.34	123	44	32	f
05/26/2012	0.24	0.25	0.23	0.27	0.26	0.33	0.36	72	31	32 e	f
05/27/2012	0.23	0.25	0.23	0.26	0.26	0.33	0.37	63	30	32 e	f
05/28/2012	0.23	0.25	0.23	0.27	0.26	0.34	0.38	56	31	32 e	f
05/29/2012	0.23	0.25	0.22	0.27	0.26	0.34	0.37	59	32	31	f
05/30/2012	0.23	0.26	0.22	0.28	0.27	0.31	0.35	62	33	30	f
05/31/2012	0.22	0.25	0.22	0.28	0.26	0.30	0.33	84	35	31	f
06/01/2012	0.22	0.25	0.22	0.39	0.26	0.30	0.33	143	63	31	f
06/02/2012	0.22	0.25	0.22	0.43	0.26	0.31	0.32	244	74	31 e	f
06/03/2012	0.23	0.25	0.22	0.45	0.25	0.32	0.32	305	80	31 e	f
06/04/2012	0.22	0.25	0.22	0.52	0.25	0.32	0.33	358	97	29	f
06/05/2012	0.23	0.25	0.21	0.55	0.25	0.33	0.34	381	105	30	f
06/06/2012	0.23	0.25	0.22	0.57	0.25	0.34	0.36	328	111	30	f
06/07/2012	0.23	0.25	0.21	0.60	0.25	0.34	0.37	341	119	30	f
06/08/2012	0.23	0.25	0.21	0.62	0.24	0.34	0.35	365	124	30	f
06/09/2012	0.20 e	NR	NR	0.62	0.24	0.33 e	0.35	322	124	30 e	f
06/10/2012	0.23	0.25	0.22	0.61	0.24	0.33	0.36	312 e	123	30 e	f
06/11/2012	0.24	0.24	0.22	0.61	0.24	0.30	0.36	268	121	29	f
06/12/2012	0.24	0.25	0.22	0.60	0.24	0.30	0.35	313	119	30	f
06/13/2012	0.25	0.26	0.22		NC	0.25	0.30	414		29	f
06/14/2012	0.26	0.27	0.22		NC	0.25	0.30	494		29	f
06/15/2012	0.27	0.27	0.23	0.30	0.25	0.33	0.36	534	39	29	f
06/16/2012	0.28	0.27	0.23	0.34	0.24	0.35	0.40	564	50	29 e	f
06/17/2012	0.29	0.28	0.24	0.37	0.23	0.36	0.38	650	57	29 e	f
06/18/2012	0.31	0.30	0.25	0.37	0.23	0.36	0.35	765	59	28	f
06/19/2012	0.32	0.31	0.26	0.38	0.24	0.35	0.39	685	60	28	f
06/20/2012	0.32		NR	0.26	0.38	0.24	0.31	599	61	28	f
06/21/2012	0.33		NR	0.27	0.39	0.24	0.30	642	65	28	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
05/23/2012	0.31	0.30	0.42	0.35	0.47	0.78	0.38	0.34
05/24/2012	0.28	0.29	0.40	0.35	0.49	0.76	0.41	0.34
05/25/2012	0.32	0.29	0.36	0.35	0.54	0.74	0.38	0.34
05/26/2012	0.34	0.29	0.37	0.35	0.57	0.71	0.35	0.33
05/27/2012	0.30	0.28	0.43	0.34	0.60	0.69	0.37	0.33
05/28/2012	0.31	0.28	0.38	0.34	0.66	0.67	0.41	0.33
05/29/2012	0.30	0.28	0.38	0.34	0.64	0.65	0.35	0.33
05/30/2012	0.30	0.28	0.39	0.34	0.64	0.62	0.37	0.33
05/31/2012	0.32	0.27	0.37	0.34	0.63	0.61	0.36	0.32
06/01/2012	0.38	0.28	0.41	0.33	0.68	0.59	0.36	0.32
06/02/2012	0.40	0.28	0.46	0.34	0.73	0.58	0.38	0.32
06/03/2012	0.42	0.29	0.49	0.34	0.77	0.57	0.41	0.32
06/04/2012	0.44	0.29	0.51	0.35	0.78	0.56	0.46	0.33
06/05/2012	0.45	0.30	0.53	0.36	0.74	0.55	0.52	0.33
06/06/2012	0.45	0.30	0.57	0.36	0.63	0.55	0.55	0.34
06/07/2012	0.46	0.31	0.58	0.37	0.61	0.55	0.49	0.35
06/08/2012	0.44	0.32	0.59	0.38	0.67	0.55	0.45	0.35
06/09/2012	0.44	0.33	0.60 e	0.39	0.70	0.55	0.49	0.36
06/10/2012	0.44	0.34	0.60	0.41	0.71	0.56	0.55	0.37
06/11/2012	0.44	0.34	0.60	0.42	0.75	0.57	0.45	0.38
06/12/2012	0.45	0.35	0.60	0.43	0.77	0.58	0.48	0.39
06/13/2012	0.48	0.36	0.60	0.45	0.78	0.59	0.52	0.40
06/14/2012	0.46	0.37	0.60	0.46	0.78	0.60	0.54	0.41
06/15/2012	0.42	0.38	0.59	0.47	0.79	0.62	0.47	0.42
06/16/2012	0.40	0.38	0.58	0.48	0.77	0.63	0.54	0.43
06/17/2012	0.39	0.38	0.55	0.49	0.74	0.65	0.51	0.43
06/18/2012	0.37	0.38	0.52	0.49	0.72	0.66	0.48	0.44
06/19/2012	0.35	0.39	0.49	0.49	0.68	0.67	0.42	0.44
06/20/2012	0.35	0.39	0.46	0.50	0.66	0.67	0.35	0.44
06/21/2012	0.37	0.39	0.44	0.50	0.63	0.68	0.35	0.44

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

Wednesday, June 27, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	35 %	25 %
Vernalis Base Flow : Monthly average *	>= 1,420 cfs	1,439 cfs
7 Day average *	>= 1,136 cfs	1,547 cfs
Habitat Protection, X2 / Flow		
	30 days at Collinsville	27 days

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	152 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	35 mg/l
14dm EC at Emmaton	<= 1.14 mS/cm	mS/cm
14dm EC at Jersey Point	<= 0.74 mS/cm	0.49 mS/cm
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.4 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.5 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.7 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.4 mS/cm

SUISUN MARSH:

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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:

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
05/29/2012	5.37	3.63	5,863	17.64	8.88	8.46	2.55	2.12	2.04	0.62	0.66
05/30/2012	5.71	3.64	6,240	17.67	9.62	8.76	2.88	2.43	2.16	0.75	0.70
05/31/2012	5.94	3.72	6,565	18.84	10.95	9.03	3.57	3.08	2.30	1.09	0.75
06/01/2012	6.21	4.00	6,985	21.23	13.14	9.44	4.82	4.29	2.52	1.75	0.86
06/02/2012	6.50	4.26	6,239	23.46	14.91	9.96	6.54	6.00	2.84	2.52	1.01
06/03/2012	6.73	4.28	6,038	24.30	14.65	10.41	6.81	6.28	3.16	2.94	1.18
06/04/2012	6.79	4.32	6,384	23.40	15.26	10.81	6.84	6.31	3.43	3.09	1.35
06/05/2012	6.69	4.11	6,193	22.61	14.43	11.17	6.77	6.24	3.69	2.97	1.50
06/06/2012	6.27	3.96	6,733	22.51	13.86	11.49	6.25	5.71	3.91	2.74	1.63
06/07/2012	6.20	-- e	6,807	22.84	14.48	11.83	6.43	5.89	4.13	2.85	1.76
06/08/2012	6.02	4.13	7,831	22.85	14.00	12.12	6.32	5.78	4.32	2.78	1.87
06/09/2012	5.50	3.82	8,600	22.50 e	12.16 e	12.35	5.03 e	4.49 e	4.47	2.38	1.98
06/10/2012	5.37	3.68	8,823	20.26	7.05	12.27	4.73	4.20	4.64	1.93	2.08
06/11/2012	5.65	3.75	7,891	19.27	12.20	12.54	5.07	4.54	4.81	2.12	2.18
06/12/2012	5.92	3.94	7,135	20.85	13.80	12.89	6.29	5.76	5.07	2.81	2.34
06/13/2012	6.30	4.20	6,275	24.10	15.41	13.31	7.36	6.84	5.39	3.41	2.53
06/14/2012	6.39	4.40	8,681	25.24	16.76	13.72	8.27	7.78	5.72	4.24	2.75
06/15/2012	6.43	4.45	8,306	25.11	16.73	13.98	8.22	7.73	5.97	4.26	2.93
06/16/2012	6.55	4.48	7,955	24.29	16.33	14.08	7.97	7.47	6.07	4.10	3.04
06/17/2012	6.58	4.72	8,722	25.13	17.50	14.28	9.06	8.61	6.24	4.92	3.18
06/18/2012	6.92	4.94	8,936	27.26	17.59	14.45	9.90	9.49	6.47	5.47	3.35
06/19/2012	6.94	4.73	9,446	25.42	16.47	14.60	8.50	8.02	6.59	4.73	3.48
06/20/2012	6.66	4.61	10,598	23.97	15.80	14.73	7.87	7.36	6.71	4.09	3.58
06/21/2012	6.78	4.80	10,516	25.23	15.81	14.83	8.47	7.98	6.86	4.36	3.68
06/22/2012	6.50	4.51	8,835	24.55	12.51	14.72	7.77	7.27	6.97 e	3.75	3.75
06/23/2012	6.12	4.40	9,122	22.45	12.38	14.74	6.83	6.30	7.10	3.18	3.81
06/24/2012	5.73	4.20	8,866	21.59	10.47	14.98	6.07	5.53	7.19	2.67	3.86
06/25/2012	5.43	3.95	8,672	20.31	11.90	14.96	5.29	4.75	7.21	2.20	3.87
06/26/2012	5.61	3.78	8,983	19.42	11.65	14.81	4.84	4.30	7.10	1.88	3.80
06/27/2012	5.91	3.87	9,629	19.93	11.04	14.49	4.84	4.31	6.92	1.95	3.70

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
05/29/2012	0.40	0.39	0.22	0.22	0.21	0.20	0.58	5.83	4.07	3.93	3.37	0.82
05/30/2012	0.41	0.41	0.22	0.22	0.21	0.20	0.60	5.72	4.20	4.14	3.63	1.29
05/31/2012	0.48	0.42	0.22	0.22	0.22	0.21	0.59	5.90	4.67	4.73	4.23	1.49
06/01/2012	0.67	0.45	0.23	0.22	0.26	0.22	0.58	6.28	5.65	5.66	4.99	2.38
06/02/2012	0.98	0.50	0.25	0.23	0.37	0.23	0.48	6.97	6.32	6.49	5.60	3.22
06/03/2012	1.18	0.56	0.27	0.23	0.47	0.25	0.45	8.63	7.35	6.78	6.03	3.74
06/04/2012	1.34	0.63	0.28	0.23	0.53	0.28	0.42	10.40	8.29	6.87	7.17	4.29
06/05/2012	1.42	0.70	0.30	0.24	0.52	0.30	0.39	11.45	8.46	7.96	7.30	4.24
06/06/2012	1.25	0.75	0.29	0.24	0.45	0.31	0.38	11.08	8.37	7.81	7.29	3.41
06/07/2012	1.29	0.81	0.30	0.25	0.47	0.33	0.39	10.89	8.69	7.78	7.83	e
06/08/2012	1.36	0.86	0.32	0.26	0.42	0.34	0.40	10.88	8.66	7.15	7.45	3.84
06/09/2012	1.23	0.91	NR	0.26	0.27	0.34	0.35 e	10.90	8.04	7.73	7.55	3.01
06/10/2012	1.20 e	0.94	0.29	0.27	0.26	0.35	0.37	10.83	8.17	7.65	7.81	2.64
06/11/2012	1.06	0.99	0.32	0.27	0.26	0.35	0.39	10.59	8.22	7.52	7.92	3.49
06/12/2012	1.20	1.05	0.35	0.28	0.28	0.36	0.41	10.56	8.43	7.95	7.94	4.42
06/13/2012	1.52	1.12	0.39	0.29	0.35	0.37	0.37	10.82	8.96	7.98	8.05	4.82
06/14/2012	1.77	1.22	0.45	0.31	0.44	0.38	0.35	11.17	9.02	9.03	8.46	4.73
06/15/2012	1.90	1.30	0.47	0.33	0.49	0.40	0.35	11.58	9.48	9.55	8.81	5.56
06/16/2012	1.99	1.38	0.50	0.35	0.57	0.41	0.35	11.91	9.60	10.25	8.62	4.95
06/17/2012	2.26	1.45	0.54	0.37	0.54 e	0.42	0.37	12.23	10.03	10.41	9.63	5.50
06/18/2012	2.62	1.54	0.63	0.39	0.79 e	0.44	0.43	13.11	10.56	10.76	9.66	6.64
06/19/2012	2.37	1.61	0.60	0.41	0.65 e	0.45	0.50	14.00	10.96	10.54	9.62	5.69
06/20/2012	2.10	1.67	0.57	0.43	0.49 e	0.45	0.52	13.82	10.93	10.89	9.98	4.79
06/21/2012	2.23	1.74	0.59	0.45	0.58	0.46	0.47	13.55	10.58	9.67	10.39	5.25
06/22/2012	1.85	1.78	0.53	0.47	0.55	0.47	0.44	13.93	10.56	10.31	10.07	4.81
06/23/2012	1.59	1.81	0.47	0.48	0.40	0.48	0.42	13.81	10.24	9.86	9.83	4.02
06/24/2012	1.35	1.84	0.43	0.49	0.34	0.48	0.44	13.66	10.08	9.27	9.40	3.72
06/25/2012	1.13	1.85	0.39	0.49	0.28	0.48	0.48	13.40	9.71	8.98	8.87	3.01
06/26/2012	0.98	1.83	0.37	0.50	0.28	0.48	0.45	13.12	9.51	8.72	8.92	2.66
06/27/2012	1.00	1.80	0.36	0.49	0.26	NC	0.41	12.66	9.53	9.11	9.28	3.15

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
05/29/2012	0.23	0.25	0.22	0.27	0.26	0.34	0.37	59	32	31	f
05/30/2012	0.23	0.26	0.22	0.28	0.27	0.31	0.35	62	33	30	f
05/31/2012	0.22	0.25	0.22	0.28	0.26	0.30	0.33	84	35	31	f
06/01/2012	0.22	0.25	0.22	0.39	0.26	0.30	0.33	143	63	31	f
06/02/2012	0.22	0.25	0.22	0.43	0.26	0.31	0.32	244	74	31 e	f
06/03/2012	0.23	0.25	0.22	0.45	0.25	0.32	0.32	305	80	31 e	f
06/04/2012	0.22	0.25	0.22	0.52	0.25	0.32	0.33	358	97	29	f
06/05/2012	0.23	0.25	0.21	0.55	0.25	0.33	0.34	381	105	30	f
06/06/2012	0.23	0.25	0.22	0.57	0.25	0.34	0.36	328	111	30	f
06/07/2012	0.23	0.25	0.21	0.60	0.25	0.34	0.37	341	119	30	s
06/08/2012	0.23	0.25	0.21	0.62	0.24	0.34	0.35	365	124	30	s
06/09/2012	0.20 e	NR	NR	0.62	0.24	0.33 e	0.35	322	124	30 e	s
06/10/2012	0.23	0.25	0.22	0.61	0.24	0.33	0.36	312 e	123	30 e	s
06/11/2012	0.24	0.24	0.22	0.61	0.24	0.30	0.36	268	121	29	s
06/12/2012	0.24	0.25	0.22	0.60	0.24	0.30	0.35	313	119	30	s
06/13/2012	0.25	0.26	0.22	NC	0.25	0.30	0.34	414		29	s
06/14/2012	0.26	0.27	0.22	NC	0.25	0.30	0.31	494		29	s
06/15/2012	0.27	0.27	0.23	0.30	0.25	0.33	0.36	534	39	29	s
06/16/2012	0.28	0.27	0.23	0.34	0.24	0.35	0.40	564	50	28	s
06/17/2012	0.29	0.28	0.24	0.37	0.23	0.36	0.38	650	57	28	s
06/18/2012	0.31	0.30	0.25	0.37	0.23	0.36	0.35	765	59	28	s
06/19/2012	0.32	0.31	0.26	0.38	0.24	0.35	0.39	685	60	28	s
06/20/2012	0.32	NR	0.26	0.38	0.24	0.31	0.41	599	61	28	s
06/21/2012	0.33	NR	0.27	0.39	0.24	0.30	0.38	642	65	28	s
06/22/2012	0.33	NR	0.27	0.42	0.24	0.30	0.38	520	72	29	s
06/23/2012	0.33	0.37	0.28	0.43	0.24	0.32	0.36	435	74	29	s
06/24/2012	0.32	0.37	0.28	0.43	0.25	0.32	0.35	359	74	31	s
06/25/2012	0.32	0.37	0.28	0.42	0.26	0.31	0.36	288	71	33	s
06/26/2012	0.31	0.37	0.29	0.41	0.27	0.29	0.37	242	68	35	s
06/27/2012	0.31	0.37	0.29	0.40	0.28	0.29	0.36	248	67	35	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
05/29/2012	0.30	0.28	0.38	0.34	0.64	0.65	0.35	0.33
05/30/2012	0.30	0.28	0.39	0.34	0.64	0.62	0.37	0.33
05/31/2012	0.32	0.27	0.37	0.34	0.63	0.61	0.36	0.32
06/01/2012	0.38	0.28	0.41	0.33	0.68	0.59	0.36	0.32
06/02/2012	0.40	0.28	0.46	0.34	0.73	0.58	0.38	0.32
06/03/2012	0.42	0.29	0.49	0.34	0.77	0.57	0.41	0.32
06/04/2012	0.44	0.29	0.51	0.35	0.78	0.56	0.46	0.33
06/05/2012	0.45	0.30	0.53	0.36	0.74	0.55	0.52	0.33
06/06/2012	0.45	0.30	0.57	0.36	0.63	0.55	0.55	0.34
06/07/2012	0.46	0.31	0.58	0.37	0.61	0.55	0.49	0.35
06/08/2012	0.44	0.32	0.59	0.38	0.67	0.55	0.45	0.35
06/09/2012	0.44	0.33	0.60 ^e	0.39	0.70	0.55	0.49	0.36
06/10/2012	0.44	0.34	0.60	0.41	0.71	0.56	0.55	0.37
06/11/2012	0.44	0.34	0.60	0.42	0.75	0.57	0.45	0.38
06/12/2012	0.45	0.35	0.60	0.43	0.77	0.58	0.48	0.39
06/13/2012	0.48	0.36	0.60	0.45	0.78	0.59	0.52	0.40
06/14/2012	0.46	0.37	0.60	0.46	0.78	0.60	0.54	0.41
06/15/2012	0.42	0.38	0.59	0.47	0.79	0.62	0.47	0.42
06/16/2012	0.40	0.38	0.58	0.48	0.77	0.63	0.54	0.43
06/17/2012	0.39	0.38	0.55	0.49	0.74	0.65	0.51	0.43
06/18/2012	0.37	0.38	0.52	0.49	0.72	0.66	0.48	0.44
06/19/2012	0.35	0.39	0.49	0.49	0.68	0.67	0.42	0.44
06/20/2012	0.35	0.39	0.46	0.50	0.66	0.67	0.35	0.44
06/21/2012	0.37	0.39	0.44	0.50	0.63	0.68	0.35	0.44
06/22/2012	0.37	0.39	0.43	0.50	0.60	0.68	0.38	0.44
06/23/2012	0.34	0.39	0.44	0.50	0.58	0.68	0.41	0.44
06/24/2012	0.34	0.39	0.45	0.50	0.57	0.69	0.41	0.44
06/25/2012	0.33	0.39	0.43	0.50	0.58	0.69	0.37	0.44
06/26/2012	0.33	0.39	0.43	0.50	0.53	0.68	0.33	0.44
06/27/2012	0.33	0.39	0.42	0.50	0.52	0.68	0.34	0.44

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, July 02, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	65 %	39 %
NDOI, monthly average *	>= 6,500 cfs	6,769 cfs
NDOI, 7 day average*	>= 5,200 cfs	6,769 cfs

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	157 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	42 mg/l
14dm EC at Emmaton	<= 1.14 mS/cm	0.39 mS/cm
14dm EC at Jersey Point	<= 0.74 mS/cm	0.45 mS/cm
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.4 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.5 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.7 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.4 mS/cm

SUISUN MARSH:

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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:
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
06/03/2012	6.73	4.28	6,038	24.30	14.65	10.41	6.81	6.28	3.16	2.94	1.18
06/04/2012	6.79	4.32	6,384	23.40	15.26	10.81	6.84	6.31	3.43	3.09	1.35
06/05/2012	6.69	4.11	6,193	22.61	14.43	11.17	6.77	6.24	3.69	2.97	1.50
06/06/2012	6.27	3.96	6,733	22.51	13.86	11.49	6.25	5.71	3.91	2.74	1.63
06/07/2012	6.20	-- e	6,807	22.84	14.48	11.83	6.43	5.89	4.13	2.85	1.76
06/08/2012	6.02	4.13	7,831	22.85	14.00	12.12	6.32	5.78	4.32	2.78	1.87
06/09/2012	5.50	3.82	8,600	22.50 e	12.16 e	12.35	5.03 e	4.49 e	4.47	2.38	1.98
06/10/2012	5.37	3.68	8,823	20.26	7.05	12.27	4.73	4.20	4.64	1.93	2.08
06/11/2012	5.65	3.75	7,891	19.27	12.20	12.54	5.07	4.54	4.81	2.12	2.18
06/12/2012	5.92	3.94	7,135	20.85	13.80	12.89	6.29	5.76	5.07	2.81	2.34
06/13/2012	6.30	4.20	6,275	24.10	15.41	13.31	7.36	6.84	5.39	3.41	2.53
06/14/2012	6.39	4.40	8,681	25.24	16.76	13.72	8.27	7.78	5.72	4.24	2.75
06/15/2012	6.43	4.45	8,306	25.11	16.73	13.98	8.22	7.73	5.97	4.26	2.93
06/16/2012	6.55	4.48	7,955	24.29	16.33	14.08	7.97	7.47	6.07	4.10	3.04
06/17/2012	6.58	4.72	8,722	25.13	17.50	14.28	9.06	8.61	6.24	4.92	3.18
06/18/2012	6.92	4.94	8,936	27.26	17.59	14.45	9.90	9.49	6.47	5.47	3.35
06/19/2012	6.94	4.73	9,446	25.42	16.47	14.60	8.50	8.02	6.59	4.73	3.48
06/20/2012	6.66	4.61	10,598	23.97	15.80	14.73	7.87	7.36	6.71	4.09	3.58
06/21/2012	6.78	4.80	10,516	25.23	15.81	14.83	6.47	7.98	6.86	4.36	3.68
06/22/2012	6.50	4.51	8,835	24.55	12.51	14.72	7.77	7.27	6.97 e	3.75	3.75
06/23/2012	6.12	4.40	9,122	22.45	12.38	14.74	6.83	6.30	7.10	3.18	3.81
06/24/2012	5.73	4.20	8,866	21.59	10.47	14.98	6.07	5.53	7.19	2.67	3.86
06/25/2012	5.43	3.95	8,672	20.31	11.90	14.96	5.29	4.75	7.21	2.20	3.87
06/26/2012	5.61	3.78	8,983	19.42	11.65	14.81	4.84	4.30	7.10	1.88	3.80
06/27/2012	5.91	3.87	9,629	19.93	11.04	14.49	4.84	4.31	6.92	1.95	3.70
06/28/2012	6.17	3.98	9,628	21.12	11.71	14.13	5.34	4.80	6.71	2.22	3.55
06/29/2012	6.50	4.16	9,888	22.60	13.11	13.88	5.85	5.31	6.54	2.26	3.41
06/30/2012	6.56	4.29	11,209	22.95	13.16	13.65	6.01	5.47	6.39	2.47	3.30
07/01/2012	6.75	4.37	6,534	23.76	11.62	13.23	6.42	5.88	6.20	2.55	3.13
07/02/2012	6.83	4.43	7,003	24.08	12.04	12.83	6.59	6.05	5.95	2.99	2.95

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
06/03/2012	1.18	0.56	0.27	0.23	0.47	0.25	0.45	8.63	7.35	6.78	6.03	3.74
06/04/2012	1.34	0.63	0.28	0.23	0.53	0.28	0.42	10.40	8.29	6.87	7.17	4.29
06/05/2012	1.42	0.70	0.30	0.24	0.52	0.30	0.39	11.45	8.46	7.96	7.30	4.24
06/06/2012	1.25	0.75	0.29	0.24	0.45	0.31	0.38	11.08	8.37	7.81	7.29	3.41
06/07/2012	1.29	0.81	0.30	0.25	0.47	0.33	0.39	10.89	8.69	7.78	7.83	e
06/08/2012	1.36	0.86	0.32	0.26	0.42	0.34	0.40	10.88	8.66	7.15	7.45	3.84
06/09/2012	1.23	0.91	NR	0.26	0.27	0.34	0.35 e	10.90	8.04	7.73	7.55	3.01
06/10/2012	1.20 e	0.94	0.29	0.27	0.26	0.35	0.37	10.83	8.17	7.65	7.81	2.64
06/11/2012	1.06	0.99	0.32	0.27	0.26	0.35	0.39	10.59	8.22	7.52	7.92	3.49
06/12/2012	1.20	1.05	0.35	0.28	0.28	0.36	0.41	10.56	8.43	7.95	7.94	4.42
06/13/2012	1.52	1.12	0.39	0.29	0.35	0.37	0.37	10.82	8.96	7.98	8.05	4.82
06/14/2012	1.77	1.22	0.45	0.31	0.44	0.38	0.35	11.17	9.02	9.03	8.46	4.73
06/15/2012	1.90	1.30	0.47	0.33	0.49	0.40	0.35	11.58	9.48	9.55	8.81	5.56
06/16/2012	1.99	1.38	0.50	0.35	0.57	0.41	0.35	11.91	9.60	10.25	8.62	4.95
06/17/2012	2.26	1.45	0.54	0.37	0.54 e	0.42	0.37	12.23	10.03	10.41	9.63	5.50
06/18/2012	2.62	1.54	0.63	0.39	0.79 e	0.44	0.43	13.11	10.56	10.76	9.66	6.64
06/19/2012	2.37	1.61	0.60	0.41	0.65 e	0.45	0.50	14.00	10.96	10.54	9.62	5.69
06/20/2012	2.10	1.67	0.57	0.43	0.49 e	0.45	0.52	13.82	10.93	10.89	9.98	4.79
06/21/2012	2.23	1.74	0.59	0.45	0.58	0.46	0.47	13.55	10.58	9.67	10.39	5.25
06/22/2012	1.85	1.78	0.53	0.47	0.55	0.47	0.44	13.93	10.56	10.31	10.07	4.81
06/23/2012	1.59	1.81	0.47	0.48	0.40	0.48	0.42	13.81	10.24	9.86	9.83	4.02
06/24/2012	1.35	1.84	0.43	0.49	0.34	0.48	0.44	13.66	10.08	9.27	9.40	3.72
06/25/2012	1.13	1.85	0.39	0.49	0.28	0.48	0.48	13.40	9.71	8.98	8.87	3.01
06/26/2012	0.98	1.83	0.37	0.50	0.28	0.48	0.45	13.12	9.51	8.72	8.92	2.66
06/27/2012	1.00	1.80	0.36	0.49	0.26	NC	0.41	12.66	9.53	9.11	9.28	3.15
06/28/2012	1.04	1.74	0.36	0.49	0.27	0.46	0.34	12.11	9.52	9.51	9.30	3.07
06/29/2012	1.16	1.69	0.38	0.48	0.30	0.45	0.33	12.00	9.79	9.98	9.07	3.39
06/30/2012	1.26	1.64	0.40	0.47	0.34	0.43	0.31	11.89	9.93	9.79	9.23	3.02
07/01/2012	1.39	1.58	0.41	0.46	0.39	0.42	0.32	11.89	9.92	10.26	9.22	3.47
07/02/2012	1.50	1.50	0.44	0.45	0.36	0.39	0.36	12.08	10.16	10.38	9.60	4.25

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
06/03/2012	0.23	0.25	0.22	0.45	0.25	0.32	0.32	305	80	31 e	f
06/04/2012	0.22	0.25	0.22	0.52	0.25	0.32	0.33	358	97	29	f
06/05/2012	0.23	0.25	0.21	0.55	0.25	0.33	0.34	381	105	30	f
06/06/2012	0.23	0.25	0.22	0.57	0.25	0.34	0.36	328	111	30	f
06/07/2012	0.23	0.25	0.21	0.60	0.25	0.34	0.37	341	119	30	s
06/08/2012	0.23	0.25	0.21	0.62	0.24	0.34	0.35	365	124	30	s
06/09/2012	0.20 e	NR	NR	0.62	0.24	0.33 e	0.35	322	124	30 e	s
06/10/2012	0.23	0.25	0.22	0.61	0.24	0.33	0.36	312 e	123	30 e	s
06/11/2012	0.24	0.24	0.22	0.61	0.24	0.30	0.36	268	121	29	s
06/12/2012	0.24	0.25	0.22	0.60	0.24	0.30	0.35	313	119	30	s
06/13/2012	0.25	0.26	0.22		NC	0.25	0.30	414		29	s
06/14/2012	0.26	0.27	0.22		NC	0.25	0.30	494		29	s
06/15/2012	0.27	0.27	0.23	0.30	0.25	0.33	0.36	534	39	29	s
06/16/2012	0.28	0.27	0.23	0.34	0.24	0.35	0.40	564	50	28	s
06/17/2012	0.29	0.28	0.24	0.37	0.23	0.36	0.38	650	57	28	s
06/18/2012	0.31	0.30	0.25	0.37	0.23	0.36	0.35	765	59	28	s
06/19/2012	0.32	0.31	0.26	0.38	0.24	0.35	0.39	685	60	28	s
06/20/2012	0.32		NR	0.26	0.38	0.24	0.31	599	61	28	s
06/21/2012	0.33		NR	0.27	0.39	0.24	0.30	642	65	28	s
06/22/2012	0.33		NR	0.27	0.42	0.24	0.30	520	72	29	s
06/23/2012	0.33	0.37	0.28	0.43	0.24	0.32	0.36	435	74	29	s
06/24/2012	0.32	0.37	0.28	0.43	0.25	0.32	0.35	359	74	31	s
06/25/2012	0.32	0.37	0.28	0.42	0.26	0.31	0.36	288	71	33	s
06/26/2012	0.31	0.37	0.29	0.41	0.27	0.29	0.37	242	68	35	s
06/27/2012	0.31	0.37	0.29	0.40	0.28	0.29	0.36	248	67	35	s
06/28/2012	0.31	0.37	0.28	0.41	0.28	0.30	0.34	261	68	38	s
06/29/2012	0.31	0.37	0.28	0.44	0.29	0.30	0.34	299	76	39	s
06/30/2012	0.31	0.37	0.28	0.48	0.29	0.30	0.34	332	88	39	s
07/01/2012	0.31	0.37	0.28	0.52	0.29	0.30	0.36	372	97	43	s
07/02/2012	0.31	0.36	0.28	0.43	0.29	0.29	0.34	409	73	42	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
06/03/2012	0.42	0.29	0.49	0.34	0.77	0.57	0.41	0.32
06/04/2012	0.44	0.29	0.51	0.35	0.78	0.56	0.46	0.33
06/05/2012	0.45	0.30	0.53	0.36	0.74	0.55	0.52	0.33
06/06/2012	0.45	0.30	0.57	0.36	0.63	0.55	0.55	0.34
06/07/2012	0.46	0.31	0.58	0.37	0.61	0.55	0.49	0.35
06/08/2012	0.44	0.32	0.59	0.38	0.67	0.55	0.45	0.35
06/09/2012	0.44	0.33	0.60 e	0.39	0.70	0.55	0.49	0.36
06/10/2012	0.44	0.34	0.60	0.41	0.71	0.56	0.55	0.37
06/11/2012	0.44	0.34	0.60	0.42	0.75	0.57	0.45	0.38
06/12/2012	0.45	0.35	0.60	0.43	0.77	0.58	0.48	0.39
06/13/2012	0.48	0.36	0.60	0.45	0.78	0.59	0.52	0.40
06/14/2012	0.46	0.37	0.60	0.46	0.78	0.60	0.54	0.41
06/15/2012	0.42	0.38	0.59	0.47	0.79	0.62	0.47	0.42
06/16/2012	0.40	0.38	0.58	0.48	0.77	0.63	0.54	0.43
06/17/2012	0.39	0.38	0.55	0.49	0.74	0.65	0.51	0.43
06/18/2012	0.37	0.38	0.52	0.49	0.72	0.66	0.48	0.44
06/19/2012	0.35	0.39	0.49	0.49	0.68	0.67	0.42	0.44
06/20/2012	0.35	0.39	0.46	0.50	0.66	0.67	0.35	0.44
06/21/2012	0.37	0.39	0.44	0.50	0.63	0.68	0.35	0.44
06/22/2012	0.37	0.39	0.43	0.50	0.60	0.68	0.38	0.44
06/23/2012	0.34	0.39	0.44	0.50	0.58	0.68	0.41	0.44
06/24/2012	0.34	0.39	0.45	0.50	0.57	0.69	0.41	0.44
06/25/2012	0.33	0.39	0.43	0.50	0.58	0.69	0.37	0.44
06/26/2012	0.33	0.39	0.43	0.50	0.53	0.68	0.33	0.44
06/27/2012	0.33	0.39	0.42	0.50	0.52	0.68	0.34	0.44
06/28/2012	0.33	0.39	0.42	0.51	0.52	0.67	0.34	0.44
06/29/2012	0.34	0.39	0.42	0.51	0.52	0.67	0.37	0.44
06/30/2012	0.32	0.39	0.43	0.51	0.51	0.67	0.41	0.44
07/01/2012	0.40	0.40	0.43	0.51	0.52	0.66	0.41	0.44
07/02/2012	0.44	0.40	0.42	0.51	0.51	0.65	0.41	0.44

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, July 30, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	65 %	37 %
NDOI, monthly average *	>= 6,500 cfs	7,737 cfs
NDOI, 7 day average*	>= 5,200 cfs	9,656 cfs

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	185 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	59 mg/l
14dm EC at Emmaton	<= 1.14 mS/cm	0.28 mS/cm
14dm EC at Jersey Point	<= 0.74 mS/cm	0.72 mS/cm
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.5 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.6 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.7 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.6 mS/cm

SUISUN MARSH:

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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:
 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
07/01/2012	6.75	4.37	6,534	23.76	11.62	13.23	6.42	5.88	6.20	2.55	3.13
07/02/2012	6.83	4.43	7,003	24.08	12.04	12.63	6.59	6.05	5.95	2.99	2.95
07/03/2012	6.83	4.37	5,805	23.70	13.62	12.63	6.71	6.17	5.82	3.14	2.84
07/04/2012	6.88	4.60	6,538	24.16	11.81	12.34	7.62	7.11	5.80	3.82	2.62
07/05/2012	6.80	4.49	6,887	24.93	8.17	11.80	7.99	7.49	5.77	3.72	2.77
07/06/2012	6.32	4.20	6,968	23.09	11.36	11.72	6.76	6.23	5.69	3.10	2.72
07/07/2012	5.88	4.16	7,434	21.94	11.06	11.62	6.17	5.63	5.64	2.81	2.70
07/08/2012	5.78	4.25	7,076	22.27	11.70	11.71	6.61	6.07	5.68	3.07	2.73
07/09/2012	5.74	4.16	6,911	21.85	10.03	11.58	6.12	5.58	5.74	2.89	2.78
07/10/2012	5.77	3.94	7,162	20.74	8.07	11.32	5.48	4.94	5.79	2.43	2.82
07/11/2012	5.96	4.00	7,063	20.67	7.80	11.09	5.55	5.01	5.84	2.46	2.85
07/12/2012	6.29	4.30	6,910	22.30	8.09	10.83	6.65	6.12	5.93	3.15	2.92
07/13/2012	6.40	4.47	7,232	24.30	9.85	10.60	7.96	7.46	6.09	3.66	3.02
07/14/2012	6.42	4.44	6,485	24.52	10.38	10.40	7.57	7.06	6.20	3.55	3.10
07/15/2012	6.50	4.53	7,167	24.04	10.75	10.34	7.94	7.44	6.31	3.84	3.19
07/16/2012	6.73	4.75	7,470	26.10	13.90	10.47	8.99	8.53	6.49	4.41	3.29
07/17/2012	6.69	4.46	6,935	24.70	15.52	10.61	7.82	7.32	6.57	3.55	3.32
07/18/2012	6.39	4.29	7,655	23.77	14.79	10.82	6.94	6.41	6.52	3.15	3.27
07/19/2012	6.37	4.32	7,850	23.57	15.21	11.32	7.09	6.57	6.45	3.29	3.24
07/20/2012	6.29	4.18	7,799	23.54	14.40	11.54	6.51	5.97	6.44	3.04	3.24
07/21/2012	6.01	4.15	7,879	22.55	13.83	11.74	6.25	5.71	6.44	2.76	3.23
07/22/2012	5.94	4.33	7,916	22.87	13.18	11.84	6.71	6.18	6.45	3.07	3.23
07/23/2012	6.06	4.57	7,834	23.99	14.70	12.18	7.13	6.61	6.52	3.48	3.28
07/24/2012	6.06	4.42	8,329	23.08	14.20	12.61	6.81	6.28	6.62	3.12	3.32
07/25/2012	6.22	4.33	8,728	23.04	13.63	13.03	6.20	5.66	6.66	2.74	3.34
07/26/2012	6.49	4.38	9,480	23.51	13.58	13.42	6.39	5.85	6.65	2.82	3.32
07/27/2012	6.62	4.45	9,910	23.66	13.38	13.68	6.36	5.82	6.53	2.82	3.26
07/28/2012	6.69	4.47	10,233	23.43	13.26	13.88	6.05	5.51	6.42	2.63	3.20
07/29/2012	6.61	4.36	10,515	22.47	13.23	14.06	5.73	5.19	6.26	2.37	3.09
07/30/2012	6.74	4.34	10,400	21.84	12.65	13.97	5.36	4.82	5.99	2.28	2.94

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
07/01/2012	1.39	1.58	0.41	0.46	0.39	0.42	0.32	11.89	9.92	10.26	9.22	3.47
07/02/2012	1.50	1.50	0.44	0.45	0.36	0.39	0.36	12.08	10.16	10.38	9.60	4.25
07/03/2012	1.54	1.44	0.45	0.44	0.39	0.37	0.38	12.24	10.35	10.26	9.98	4.51
07/04/2012	1.77	1.41	0.52	0.44	0.42	0.37	0.34	12.27	10.76	10.46	10.31	5.14
07/05/2012	1.85	1.39	0.54	0.43	0.43	0.36	0.33	12.39	10.93	10.27	10.20	4.63
07/06/2012	1.60	1.37	0.51	0.43	0.33	0.34	0.38	12.23	10.70	10.46	10.00	3.91
07/07/2012	1.49	1.36	0.51	0.43	0.28	0.33	0.41	12.07	10.60	10.15	10.00	3.78
07/08/2012	1.48	1.37	0.53	0.44	0.29	0.33	0.41	11.95	10.61	10.17	10.00	4.29
07/09/2012	1.38	1.39	0.53	0.45	0.22	0.32	0.46	11.76	10.35	9.94	9.92	3.92
07/10/2012	1.30	1.41	0.50	0.46	0.21	0.32	0.54	11.75	10.46	9.94	9.81	3.55
07/11/2012	1.38	1.44	0.53	0.47	0.20	0.32	0.55	12.00	10.36	9.93	9.90	3.78
07/12/2012	1.57	1.48	0.58	0.49	0.23	0.31	0.52	11.80	10.37	10.68	9.97	4.12
07/13/2012	1.74	1.52	0.64	0.51	0.29	0.31	0.43	11.62	10.47	10.61	9.95	4.54
07/14/2012	1.85	1.56	0.66	0.52	0.32	0.31	0.37	11.73	10.59	10.63	10.02	4.17
07/15/2012	1.94	1.60	0.71	0.55	0.34	0.31	0.34	11.87	10.57	10.84	9.96	4.68
07/16/2012	2.30	1.66	0.78	0.57	0.45	0.31	0.30	11.94	11.05	11.06	10.19	5.34
07/17/2012	2.15	1.70	0.72	0.59	0.45	0.32	0.31	12.34	11.28	10.92	9.96	4.73
07/18/2012	1.85	1.71	0.68	0.60	0.34	0.31	0.41	13.15	11.30	10.94	10.09	4.18
07/19/2012	1.78	1.70	0.73	0.61	0.35	0.31	0.54	13.44	10.85	10.83	10.21	4.18
07/20/2012	1.70	1.71	0.70	0.63	0.30	0.30	0.55	13.10	10.68	10.78	10.03	3.97
07/21/2012	1.62	1.72	0.69	0.64	0.27	0.30	0.53	12.80	10.64	10.61	10.16	3.89
07/22/2012	1.64	1.73	0.72	0.65	0.25	0.30	0.46	11.91	10.28	10.63	10.18	3.66
07/23/2012	1.77	1.76	0.78	0.67	0.25	0.30	0.42	11.71	9.79	10.68	9.91	4.51
07/24/2012	1.65	1.78	0.76	0.69	0.24	0.31	0.41	11.60	9.51	10.46	10.02	4.00
07/25/2012	1.58	1.80	0.74	0.71	0.21	0.31	0.45	11.73	8.94	10.55	9.94	3.85
07/26/2012	1.60	1.80	0.75	0.72	0.22	0.31	0.46	12.13	8.94	10.97	9.64	4.04
07/27/2012	1.57	1.79	0.74	0.72	0.22	0.30	0.46	12.17	9.01	11.01	10.09	3.87
07/28/2012	1.52	1.76	0.72	0.73	0.28	0.30	0.39	12.23	9.45	11.00	9.92	3.66
07/29/2012	1.47	1.73	0.69	0.73	0.30	0.29	0.38	12.10	9.75	10.95	9.98	2.79
07/30/2012	1.38	1.66	0.67	0.72	0.30	0.28	0.38	11.93	9.46	10.70	9.82	3.30

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
07/01/2012	0.31	0.37	0.28	0.52	0.29	0.30	0.36	372	97	43	s
07/02/2012	0.31	0.36	0.28	0.43	0.29	0.29	0.34	409	73	42	s
07/03/2012	0.31	0.36	0.28	0.38	0.29	0.27	0.33	422	62	45	s
07/04/2012	0.32	0.37	0.28	0.41	0.28	0.26	0.31	495	68	45 e	s
07/05/2012	0.33	0.37	0.28	0.43	0.28	0.25	0.30	518	74	47	s
07/06/2012	0.33	0.37	0.28	0.45	0.28	0.24	0.30	440	79	48	s
07/07/2012	0.34	0.38	0.29	0.46	0.27	0.24	0.29	404	82	48 e	s
07/08/2012	0.35	0.39	0.29	0.47	0.27	0.23	0.27	402	85	48 e	s
07/09/2012	0.36	0.39	0.30	0.48	0.27	0.23	0.27	369	88	29	s
07/10/2012	0.37	0.39	0.30	0.49	0.27	0.25	0.26	346	90	55	s
07/11/2012	0.38	0.40	0.31	0.50	0.28	0.26	0.10	368	91	52	s
07/12/2012	0.39	0.43	0.30	0.50	0.28	0.26	0.14	429	92	51	s
07/13/2012	0.41	0.45	0.31	0.51	0.29	0.26	0.26	483	94	52	s
07/14/2012	0.42	0.46	0.33	0.51	0.29	0.25	0.26	519	95	52 e	s
07/15/2012	0.44	0.49	0.35	0.51	0.29	0.25	0.27	549	95	52 e	s
07/16/2012	0.46	0.51	0.36	0.38	0.30	0.25	0.27	663	62	53	s
07/17/2012	0.47	0.51	0.36	0.31	0.30	0.25	0.28	615	44	53	s
07/18/2012	0.47	0.52	0.38	0.33	0.31	0.26	0.29	519	48	52	s
07/19/2012	0.48	0.54	0.41	0.36 e	0.31	0.26	0.28	496	59	52	s
07/20/2012	0.49	0.55	0.41	0.37 e	0.32	0.27	0.28	471	75	52	s
07/21/2012	0.49	0.54	0.41	0.37 e	0.33	0.29	0.29	448	78	52 e	s
07/22/2012	0.51	0.55	0.41	0.38 e	0.35	0.29	0.28	452	86	52 e	s
07/23/2012	0.53	0.59	0.43	0.38 e	0.36	0.28	0.29	494	74	54	s
07/24/2012	0.54	0.43	0.43	0.39	NR	0.28	0.31	455	63	53	s
07/25/2012	0.56	0.65	0.45	0.41	0.39	0.29	0.29	433	68	52	s
07/26/2012	0.57	0.66	0.47	0.41	0.39	0.29	0.27	439	70	53	s
07/27/2012	0.58	0.67	0.48	0.50	0.40	0.30	0.31	429	92	54	s
07/28/2012	0.57	0.67	0.49	0.66	0.41	0.31	0.33	414	134	54 e	s
07/29/2012	0.57	0.66	0.49	0.74	0.43	0.32	0.34	397	155	54 e	s
07/30/2012	0.55	0.65	0.47	0.58	0.45	0.33	0.36	370	115	59	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
07/01/2012	0.40	0.40	0.43	0.51	0.52	0.66	0.41	0.44
07/02/2012	0.44	0.40	0.42	0.51	0.51	0.65	0.41	0.44
07/03/2012	0.46	0.40	0.42	0.51	0.50	0.65	0.49	0.44
07/04/2012	0.47	0.40	0.43	0.50	0.57	0.64	0.52	0.44
07/05/2012	0.46	0.40	0.43	0.50	0.59	0.63	0.54	0.45
07/06/2012	0.51	0.40	0.46	0.50	0.62	0.63	0.54	0.45
07/07/2012	0.51	0.40	0.49	0.49	0.66	0.63	0.56	0.45
07/08/2012	0.49	0.40	0.51	0.49	0.68	0.63	0.59	0.45
07/09/2012	0.54	0.41	0.53	0.49	0.66	0.63	0.62	0.46
07/10/2012	0.59	0.41	0.56	0.49	0.70	0.63	0.63	0.46
07/11/2012	0.54 e	0.42	0.59	0.49	0.76	0.63	0.60	0.46
07/12/2012	0.51 e	0.42	0.56	0.48	0.76	0.63	0.66	0.47
07/13/2012	0.58	0.42	0.53	0.48	0.74	0.63	0.67	0.48
07/14/2012	0.60	0.43	0.53	0.48	0.77	0.63	0.67	0.48
07/15/2012	0.57	0.43	0.54	0.48	0.81	0.63	0.64	0.49
07/16/2012	0.54	0.44	0.58	0.48	0.77	0.63	0.66	0.49
07/17/2012	0.59	0.44	0.59	0.48	0.74	0.63	0.68	0.50
07/18/2012	0.57	0.45	0.60	0.48	0.76	0.63	0.65	0.50
07/19/2012	0.52	0.46	0.60	0.49	0.76	0.64	0.66	0.51
07/20/2012	0.57	0.46	0.61	0.49	0.77	0.64	0.68	0.52
07/21/2012	0.52	0.47	0.61	0.50	0.78	0.64	0.65	0.53
07/22/2012	0.53	0.47	0.61	0.50	0.77	0.65	0.65	0.54
07/23/2012	0.54	0.48	0.62	0.51	0.75	0.66	0.66	0.55
07/24/2012	0.56	0.49	0.64	0.51	0.74	0.66	0.64	0.55
07/25/2012	0.51	0.49	0.64	0.52	0.77	0.67	0.64	0.56
07/26/2012	0.48	0.50	0.64	0.53	0.79	0.68	0.64	0.57
07/27/2012	0.50	0.50	0.64	0.54	0.80	0.69	0.67	0.59
07/28/2012	0.53	0.51	0.64	0.54	0.79	0.70	0.64	0.60
07/29/2012	0.50	0.52	0.64	0.55	0.79	0.70	0.61	0.60
07/30/2012	0.49	0.52	0.64	0.56	0.76	0.71	0.62	0.61

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, August 02, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	65 %	40 %
NDOI, monthly average *	>= 4,000 cfs	9,500 cfs
NDOI, 7 day average*	>= 3,000 cfs	9,500 cfs

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	188 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	98 mg/l
14dm EC at Emmaton	<= 1.14 mS/cm	0.27 mS/cm
14dm EC at Jersey Point	<= 0.74 mS/cm	0.71 mS/cm
Maximum 30 day running average of mean daily EC at:		
Vernalis	<=0.7 mS/cm	0.5 mS/cm
Brandt Bridge	<= 0.7 mS/cm	0.6 mS/cm
Old River Near Tracy	<=0.7 mS/cm	0.7 mS/cm
Old River Near Middle River	<=0.7 mS/cm	0.6 mS/cm

SUISUN MARSH:

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, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:
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
07/04/2012	6.88	4.60	6,538	24.16	11.81	12.34	7.62	7.11	5.80	3.82	2.82
07/05/2012	6.80	4.49	6,887	24.93	8.17	11.80	7.99	7.49	5.77	3.72	2.77
07/06/2012	6.32	4.20	6,968	23.09	11.36	11.72	6.76	6.23	5.69	3.10	2.72
07/07/2012	5.88	4.16	7,434	21.94	11.06	11.62	6.17	5.63	5.64	2.81	2.70
07/08/2012	5.78	4.25	7,076	22.27	11.70	11.71	6.61	6.07	5.68	3.07	2.73
07/09/2012	5.74	4.16	6,911	21.85	10.03	11.58	6.12	5.58	5.74	2.89	2.78
07/10/2012	5.77	3.94	7,162	20.74	8.07	11.32	5.48	4.94	5.79	2.43	2.82
07/11/2012	5.96	4.00	7,063	20.67	7.80	11.09	5.55	5.01	5.84	2.46	2.85
07/12/2012	6.29	4.30	6,910	22.30	8.09	10.83	6.65	6.12	5.93	3.15	2.92
07/13/2012	6.40	4.47	7,232	24.30	9.85	10.60	7.96	7.46	6.09	3.66	3.02
07/14/2012	6.42	4.44	6,485	24.52	10.38	10.40	7.57	7.06	6.20	3.55	3.10
07/15/2012	6.50	4.53	7,167	24.04	10.75	10.34	7.94	7.44	6.31	3.84	3.19
07/16/2012	6.73	4.75	7,470	26.10	13.90	10.47	8.99	8.53	6.49	4.41	3.29
07/17/2012	6.69	4.46	6,935	24.70	15.52	10.61	7.82	7.32	6.57	3.55	3.32
07/18/2012	6.39	4.29	7,655	23.77	14.79	10.82	6.94	6.41	6.52	3.15	3.27
07/19/2012	6.37	4.32	7,850	23.57	15.21	11.32	7.09	6.57	6.45	3.29	3.24
07/20/2012	6.29	4.18	7,799	23.54	14.40	11.54	6.51	5.97	6.44	3.04	3.24
07/21/2012	6.01	4.15	7,879	22.55	13.83	11.74	6.25	5.71	6.44	2.76	3.23
07/22/2012	5.94	4.33	7,916	22.87	13.18	11.84	6.71	6.18	6.45	3.07	3.23
07/23/2012	6.06	4.57	7,834	23.99	14.70	12.18	7.13	6.61	6.52	3.48	3.28
07/24/2012	6.06	4.42	8,329	23.08	14.20	12.61	6.81	6.28	6.62	3.12	3.32
07/25/2012	6.22	4.33	8,728	23.04	13.63	13.03	6.20	5.66	6.66	2.74	3.34
07/26/2012	6.49	4.38	9,480	23.51	13.58	13.42	6.39	5.85	6.65	2.82	3.32
07/27/2012	6.62	4.45	9,910	23.66	13.38	13.68	6.36	5.82	6.53	2.82	3.26
07/28/2012	6.69	4.47	10,233	23.43	13.26	13.88	6.05	5.51	6.42	2.63	3.20
07/29/2012	6.61	4.36	10,515	22.47	13.23	14.06	5.73	5.19	6.26	2.37	3.09
07/30/2012	6.74	4.34	10,400	21.84	12.65	13.97	5.36	4.82	5.99	2.28	2.94
07/31/2012	6.72	4.39	10,230	22.00	12.98	13.79	5.60	5.05	5.83	2.43	2.86
08/01/2012	6.72	4.41	9,960	22.30	12.93	13.65	5.79	5.24	5.75	2.59	2.82
08/02/2012	6.55	4.43	9,021	21.99	13.23	13.51	5.77	5.23	5.65	3.16	2.81

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: millSiemens 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
07/04/2012	1.77	1.41	0.52	0.44	0.42	0.37	0.34	12.27	10.76	10.46	10.31	5.14
07/05/2012	1.85	1.39	0.54	0.43	0.43	0.36	0.33	12.39	10.93	10.27	10.20	4.63
07/06/2012	1.60	1.37	0.51	0.43	0.33	0.34	0.38	12.23	10.70	10.46	10.00	3.91
07/07/2012	1.49	1.36	0.51	0.43	0.28	0.33	0.41	12.07	10.60	10.15	10.00	3.78
07/08/2012	1.48	1.37	0.53	0.44	0.29	0.33	0.41	11.95	10.61	10.17	10.00	4.29
07/09/2012	1.38	1.39	0.53	0.45	0.22	0.32	0.46	11.76	10.35	9.94	9.92	3.92
07/10/2012	1.30	1.41	0.50	0.46	0.21	0.32	0.54	11.75	10.46	9.94	9.81	3.55
07/11/2012	1.38	1.44	0.53	0.47	0.20	0.32	0.55	12.00	10.36	9.93	9.90	3.78
07/12/2012	1.57	1.48	0.58	0.49	0.23	0.31	0.52	11.80	10.37	10.68	9.97	4.12
07/13/2012	1.74	1.52	0.64	0.51	0.29	0.31	0.43	11.62	10.47	10.61	9.95	4.54
07/14/2012	1.85	1.56	0.66	0.52	0.32	0.31	0.37	11.73	10.59	10.63	10.02	4.17
07/15/2012	1.94	1.60	0.71	0.55	0.34	0.31	0.34	11.87	10.57	10.84	9.96	4.68
07/16/2012	2.30	1.66	0.78	0.57	0.45	0.31	0.30	11.94	11.05	11.06	10.19	5.34
07/17/2012	2.15	1.70	0.72	0.59	0.45	0.32	0.31	12.34	11.28	10.92	9.96	4.73
07/18/2012	1.85	1.71	0.68	0.60	0.34	0.31	0.41	13.15	11.30	10.94	10.09	4.18
07/19/2012	1.78	1.70	0.73	0.61	0.35	0.31	0.54	13.44	10.85	10.83	10.21	4.18
07/20/2012	1.70	1.71	0.70	0.63	0.30	0.30	0.55	13.10	10.68	10.78	10.03	3.97
07/21/2012	1.62	1.72	0.69	0.64	0.27	0.30	0.53	12.80	10.64	10.61	10.16	3.89
07/22/2012	1.64	1.73	0.72	0.65	0.25	0.30	0.46	11.91	10.28	10.63	10.18	3.66
07/23/2012	1.77	1.76	0.78	0.67	0.25	0.30	0.42	11.71	9.79	10.68	9.91	4.51
07/24/2012	1.65	1.78	0.76	0.69	0.24	0.31	0.41	11.60	9.51	10.46	10.02	4.00
07/25/2012	1.58	1.80	0.74	0.71	0.21	0.31	0.45	11.73	8.94	10.55	9.94	3.85
07/26/2012	1.60	1.80	0.75	0.72	0.22	0.31	0.46	12.13	8.94	10.97	9.64	4.04
07/27/2012	1.57	1.79	0.74	0.72	0.22	0.30	0.46	12.17	9.01	11.01	10.09	3.87
07/28/2012	1.52	1.76	0.72	0.73	0.28	0.30	0.39	12.23	9.45	11.00	9.92	3.66
07/29/2012	1.47	1.73	0.69	0.73	0.30	0.29	0.38	12.10	9.75	10.95	9.98	2.79
07/30/2012	1.38	1.66	0.67	0.72	0.30	0.28	0.38	11.93	9.46	10.70	9.82	3.30
07/31/2012	1.38	1.61	0.66	0.72	0.32	0.27	0.35	11.53	10.33	10.73	10.04	3.68
08/01/2012	1.39	1.57	0.65	0.71	0.31	0.27	0.34	11.87	10.74	10.40	10.09	3.76
08/02/2012	1.36	1.54	0.64	0.71	0.28	0.27	0.39	12.15	10.49	10.18	10.03	NC

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
07/04/2012	0.32	0.37	0.28	0.41	0.28	0.26	0.31	495	68	45 e	s
07/05/2012	0.33	0.37	0.28	0.43	0.28	0.25	0.30	518	74	47	s
07/06/2012	0.33	0.37	0.28	0.45	0.28	0.24	0.30	440	79	48	s
07/07/2012	0.34	0.38	0.29	0.46	0.27	0.24	0.29	404	82	48 e	s
07/08/2012	0.35	0.39	0.29	0.47	0.27	0.23	0.27	402	85	48 e	s
07/09/2012	0.36	0.39	0.30	0.48	0.27	0.23	0.27	369	88	29	s
07/10/2012	0.37	0.39	0.30	0.49	0.27	0.25	0.26	346	90	55	s
07/11/2012	0.38	0.40	0.31	0.50	0.28	0.26	0.10	368	91	52	s
07/12/2012	0.39	0.43	0.30	0.50	0.28	0.26	0.14	429	92	51	s
07/13/2012	0.41	0.45	0.31	0.51	0.29	0.26	0.26	483	94	52	s
07/14/2012	0.42	0.46	0.33	0.51	0.29	0.25	0.26	519	95	52 e	s
07/15/2012	0.44	0.49	0.35	0.51	0.29	0.25	0.27	549	95	52 e	s
07/16/2012	0.46	0.51	0.36	0.38	0.30	0.25	0.27	663	62	53	s
07/17/2012	0.47	0.51	0.36	0.31	0.30	0.25	0.28	615	44	53	s
07/18/2012	0.47	0.52	0.38	0.33	0.31	0.26	0.29	519	48	52	s
07/19/2012	0.48	0.54	0.41	0.36 e	0.31	0.26	0.28	496	59	52	s
07/20/2012	0.49	0.55	0.41	0.37 e	0.32	0.27	0.28	471	75	52	s
07/21/2012	0.49	0.54	0.41	0.37 e	0.33	0.29	0.29	448	78	52 e	s
07/22/2012	0.51	0.55	0.41	0.38 e	0.35	0.29	0.28	452	86	52 e	s
07/23/2012	0.53	0.59	0.43	0.38 e	0.36	0.28	0.29	494	74	54	s
07/24/2012	0.54	0.43	0.43	0.39	NR	0.28	0.31	455	63	53	s
07/25/2012	0.56	0.65	0.45	0.41	0.39	0.29	0.29	433	68	52	s
07/26/2012	0.57	0.66	0.47	0.41	0.39	0.29	0.27	439	70	53	s
07/27/2012	0.58	0.67	0.48	0.50	0.40	0.30	0.31	429	92	54	s
07/28/2012	0.57	0.67	0.49	0.66	0.41	0.31	0.33	414	134	54 e	s
07/29/2012	0.57	0.66	0.49	0.74	0.43	0.32	0.34	397	155	54 e	s
07/30/2012	0.55	0.65	0.47	0.45 e	0.45	0.33	0.36	370	115	59	s
07/31/2012	0.54	0.64	0.46	0.33 e	0.46	0.34	0.35	371	72	63	s
08/01/2012	0.54	0.64	0.46	0.28 e	0.47	0.33	0.33	372	71	95	s
08/02/2012	0.53	0.63	0.45	0.28 e	0.46	0.33	0.33	362	69	98	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
07/04/2012	0.47	0.40	0.43	0.50	0.57	0.64	0.52	0.44
07/05/2012	0.46	0.40	0.43	0.50	0.59	0.63	0.54	0.45
07/06/2012	0.51	0.40	0.46	0.50	0.62	0.63	0.54	0.45
07/07/2012	0.51	0.40	0.49	0.49	0.66	0.63	0.56	0.45
07/08/2012	0.49	0.40	0.51	0.49	0.68	0.63	0.59	0.45
07/09/2012	0.54	0.41	0.53	0.49	0.66	0.63	0.62	0.46
07/10/2012	0.59	0.41	0.56	0.49	0.70	0.63	0.63	0.46
07/11/2012	0.54 e	0.42	0.59	0.49	0.76	0.63	0.60	0.46
07/12/2012	0.51 e	0.42	0.56	0.48	0.76	0.63	0.66	0.47
07/13/2012	0.58	0.42	0.53	0.48	0.74	0.63	0.67	0.48
07/14/2012	0.60	0.43	0.53	0.48	0.77	0.63	0.67	0.48
07/15/2012	0.57	0.43	0.54	0.48	0.81	0.63	0.64	0.49
07/16/2012	0.54	0.44	0.58	0.48	0.77	0.63	0.66	0.49
07/17/2012	0.59	0.44	0.59	0.48	0.74	0.63	0.68	0.50
07/18/2012	0.57	0.45	0.60	0.48	0.76	0.63	0.65	0.50
07/19/2012	0.52	0.46	0.60	0.49	0.76	0.64	0.66	0.51
07/20/2012	0.57	0.46	0.61	0.49	0.77	0.64	0.68	0.52
07/21/2012	0.52	0.47	0.61	0.50	0.78	0.64	0.65	0.53
07/22/2012	0.53	0.47	0.61	0.50	0.77	0.65	0.65	0.54
07/23/2012	0.54	0.48	0.62	0.51	0.75	0.66	0.66	0.55
07/24/2012	0.56	0.49	0.64	0.51	0.74	0.66	0.64	0.55
07/25/2012	0.51	0.49	0.64	0.52	0.77	0.67	0.64	0.56
07/26/2012	0.48	0.50	0.64	0.53	0.79	0.68	0.64	0.57
07/27/2012	0.50	0.50	0.64	0.54	0.80	0.69	0.67	0.59
07/28/2012	0.53	0.51	0.64	0.54	0.79	0.70	0.64	0.60
07/29/2012	0.50	0.52	0.64	0.55	0.79	0.70	0.61	0.60
07/30/2012	0.49	0.52	0.64	0.56	0.76	0.71	0.62	0.61
07/31/2012	0.52	0.52	0.64	0.57	0.72	0.72	0.63	0.62
08/01/2012	0.53	0.53	0.62	0.57	0.72	0.73	0.61	0.62
08/02/2012	0.55	0.53	0.61	0.58	0.74	0.73	0.61	0.63

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, December 06, 2012

Criteria	Standard	Status
Flow/Operational		
% of inflow diverted	65 %	36 %
NDOI, monthly average *	>= 4,500 cfs	50,330 cfs
NDOI, 7 day average*	>= 3,500 cfs	50,330 cfs
Rio Vista flow, monthly average *	>= 4,500 cfs	42,624 cfs
Rio Vista flow, 7 day average*	>= 3,500 cfs	42,624 cfs

Water Quality

Days @ CCWD PP#1 w/ chlorides <= 150 mg/l	175 days	278 days
Export Areas for SWP, CVP, CCWD, et al	<= 250 mg/l Cl	118 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:

Suisun Marsh Salinity Control Gates : 3 Open / 0 Closed / 0 Full Tide Open
 Flashboard Status : In
 Boat Lock Status : Open

California Hydrologic Conditions: (California Cooperative Snow Surveys Forecast, May 1, 2012)

Previous Month's Index (8RI for Apr.): 3.701 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%: 2.2 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:

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
11/07/2012	5.28	4.03	4,277	26.90	18.92	17.28	13.15	12.99	11.24	8.78	7.43
11/08/2012	5.58	4.09	3,670	28.83	19.66	17.55	14.18	14.12	11.58	9.34	7.64
11/09/2012	5.56	3.87	3,709	27.50	18.90	17.80	13.08	12.91	11.81	8.57	7.81
11/10/2012	5.64	3.67	4,666	26.99	18.55	17.90	12.41	12.18	11.95	7.97	7.89
11/11/2012	5.44	3.41	4,291	26.35	17.59	18.16	11.36	11.07	11.93	7.24	7.86
11/12/2012	5.63	3.38	4,043	26.62	17.70	18.13	11.78	11.50	11.93	7.61	7.83
11/13/2012	6.02	3.60	6,120	27.49	18.51	18.12	12.51	12.29	11.93	8.32	7.81
11/14/2012	6.21	3.79	5,865	28.13	19.24	18.10	13.06	12.89	11.92	8.60	7.80
11/15/2012	6.39	4.30 m	3,727	28.75	19.54	18.30	13.82	13.72	12.03	9.33	7.89
11/16/2012	6.36	4.10	3,903	29.00	20.00	18.41	14.38	14.34	12.20	9.61	8.01
11/17/2012	6.51	4.39	4,860	29.77	21.08	18.66	15.16	15.20	12.50	9.66	8.19
11/18/2012	5.90	4.19	7,306	27.68	19.55	18.82	14.05	13.98	12.76	9.48	8.40
11/19/2012	5.45	3.94	7,224	26.91	18.64	18.94	13.05	12.88	12.93	8.12	8.53
11/20/2012	5.42	3.95	8,957	27.49	19.17	19.07	12.83	12.64	13.05	7.68	8.59
11/21/2012	5.65	3.92	10,866	25.51	18.38	19.04	13.17	13.01	13.05	7.93	8.53
11/22/2012	5.54	3.66	11,589	25.20	17.43	18.88	11.54	11.24	12.85	6.86	8.36
11/23/2012	5.44	3.54	9,385	24.99	16.92	18.73	11.08	10.75	12.69	6.30	8.19
11/24/2012	5.73	3.70	8,885	25.44	17.00	18.62	11.20	10.88	12.60	6.32	8.08
11/25/2012	5.97	3.96	10,015	25.83	17.24	18.60	11.45	11.15	12.60	6.89	8.05
11/26/2012	6.09	4.09	8,416	26.22	18.02	18.62	11.70	11.42	12.60	7.05	8.01
11/27/2012	6.26	4.22	4,819	26.99	18.21	18.60	12.18	11.93	12.57	7.30	7.94
11/28/2012	6.86	4.65	3,244	28.28	19.53	18.62	13.66	13.54	12.62	8.06	7.90
11/29/2012	6.65	4.69	3,379	28.42	20.15	18.67	13.26	13.11	12.58	7.50	7.77
11/30/2012	7.06	5.26	4,834	29.41	20.68	18.71	14.38	14.33	12.58	8.15	7.66
12/01/2012	6.70	4.94	19,306	26.13	18.21	18.51	11.53	11.24	12.29	5.93	7.40
12/02/2012	6.91	5.43	32,880	23.57	16.47	18.29	9.86	9.45	11.97	4.17	7.02
12/03/2012	5.83	4.62	61,971	17.97	9.63	17.65	4.34	3.81	11.32	1.53	6.55
12/04/2012	5.65	4.40	65,039	13.97	6.17	16.72	2.29	1.88	10.55	0.87	6.06
12/05/2012	5.86	4.37	64,863	11.35	4.26	15.71	1.39	1.08	9.70	0.48	5.53
12/06/2012	5.79	4.17	57,919	9.74	2.65	14.65	0.89	0.66	8.95	0.36	5.07

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
11/07/2012	5.02	4.31	1.27	1.17	1.89	1.43	0.76	13.98	11.41	11.11	7.94	11.36
11/08/2012	5.66	4.49	1.44	1.21	1.95	1.52	0.78	14.47	11.19	10.92	7.40	11.32
11/09/2012	5.17	4.63	1.32	1.24	1.49	1.56	0.79	14.85	11.22	10.84	7.80	10.47
11/10/2012	4.95	4.72	1.31	1.26	1.45	1.58	0.78	15.24	10.96	10.72	8.97	8.97
11/11/2012	4.39	4.72	1.11	1.26	1.31	1.58	0.76	15.72	11.35	11.11	10.13	9.23
11/12/2012	4.38	4.71	1.16	1.26	1.41	1.57	0.74	15.54	11.62	11.18	9.78	9.48
11/13/2012	4.97	4.72	1.33	1.26	1.95	1.59	0.73	15.04	11.22	10.73	9.84	10.72
11/14/2012	5.22	4.72	1.40	1.26	2.26	1.62	0.73	14.90	11.20	10.99	10.19	11.30
11/15/2012	4.85	4.71	1.57	1.28	2.43	1.67	0.72	15.22	11.18	10.54	9.45	11.28
11/16/2012	6.05	4.82	1.59	1.30	2.73	1.75	0.71	15.35	10.95	10.53	9.01	11.87
11/17/2012	6.69	5.00	1.76	1.34	3.31	1.88	0.76	14.86	10.30	10.98	9.29	12.23
11/18/2012	5.87	5.13	1.53	1.37	2.33	1.96	0.70	14.78	6.56	10.29	9.21	11.51
11/19/2012	5.20	5.21	1.42	1.39	1.84	1.99	0.58	14.65	6.26	10.25	9.66	10.02
11/20/2012	5.42	5.27	1.50	1.41	1.70	2.00	0.58	14.45	8.49	10.26	9.91	9.89
11/21/2012	5.43	5.30	1.53	1.43	1.23	1.96	0.65	14.26	10.63	10.24	9.46	9.81
11/22/2012	4.80	5.24	1.43	1.43	0.88	1.88	0.59	14.33	10.23	10.15	8.66	8.66
11/23/2012	4.56	5.20	1.42	1.43	0.77	1.83	0.56	14.30	10.01	10.07	8.65	8.19
11/24/2012	4.64	5.18	1.54	1.45	0.97	1.79	0.59	13.77	9.87	10.12	8.81	8.09
11/25/2012	4.79	5.21	1.65	1.49	0.94	1.77	0.62	13.47	10.37	10.81	9.02	8.74
11/26/2012	4.91	5.24	1.74	1.53	1.17	1.75	0.64	13.46	10.24	10.53	8.54	8.44
11/27/2012	5.09	5.25	1.82	1.57	1.42	1.71	0.67	13.40	10.70	10.52	8.19	9.23
11/28/2012	6.06	5.31	2.29	1.63	2.05	1.70	0.69	13.76	11.15	10.83	8.52	9.68
11/29/2012	6.39	5.42	2.43	1.69	1.93	1.66	0.75	13.56	11.40	11.60	9.27	9.05
11/30/2012	7.23	5.51	2.98	1.79	2.16	1.62	0.47	13.70	11.36	12.25	11.41	9.91
12/01/2012	6.20	5.47	2.52	1.84	0.89	1.45	0.34	13.48	10.51	11.15	10.31	7.41
12/02/2012	5.09	5.42	2.57	1.92	0.49	1.32	0.29	13.11	5.04	10.51	10.42	6.03
12/03/2012	3.28	5.28	1.63	1.93	0.36	1.21	0.31	10.23	4.08	8.58	8.52	2.36
12/04/2012	2.12	5.04	1.22	1.91	0.23	1.11	0.42	9.29	5.52	8.06	8.13	1.25
12/05/2012	1.60	4.77	1.03	1.88	0.16	1.03	0.55	8.74	5.73	7.53	8.15	0.56
12/06/2012	1.28	4.52	0.85	1.83	0.14	0.98	0.51	9.25	5.22	7.02	7.93	0.45

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
11/07/2012	0.74	0.95	0.55	0.50	0.57	0.47	0.50	1,530	92	128	s
11/08/2012	0.77	0.97	0.56	0.50	0.56	0.48	0.50	1,733	93	123	s
11/09/2012	0.78	0.96	0.53	0.50	0.55	0.46	0.50	1,576	92	123	s
11/10/2012	0.79	0.97	0.53	0.50	0.55	0.47	0.50	1,506	92	118	s
11/11/2012	0.78	0.95	0.54	0.50	0.54	0.47	0.52	1,328	92	117	s
11/12/2012	0.77	0.95	0.55	0.51	0.54	0.45	0.50	1,325	94	114	s
11/13/2012	0.77	0.96	0.56	0.51	0.53	0.45	0.53	1,514	95	114	s
11/14/2012	0.77	0.96	0.55	0.51	0.53	0.49	0.55	1,592	95	111	s
11/15/2012	0.77	0.95	0.55	0.51	0.52	0.46	0.52	1,474	95	113	s
11/16/2012	0.78	0.95	0.55	0.51	0.52	0.46	0.50	1,857	96	117	s
11/17/2012	0.81	1.01	0.53	0.51	0.52	0.47	0.50	2,061	95	110	s
11/18/2012	0.81	0.98	0.52	0.50	0.51	0.47	0.50	1,800	93	110	s
11/19/2012	0.80	0.95	0.52	0.50	0.51	0.46	0.55	1,587	92	109	b
11/20/2012	0.82	0.98	0.54	0.50	0.52	0.42	0.52	1,657	92	109	b
11/21/2012	0.85	0.98	0.56	0.50	0.52	0.44	0.47	1,660	94	109	b
11/22/2012	0.85	0.97	0.58	0.52	0.53	0.40	0.48	1,460	97	111	b
11/23/2012	0.87	1.00	0.59	0.53	0.54	0.39	0.47	1,382	100	111	b
11/24/2012	0.91	1.03	0.62	0.54	0.54	0.41	0.45	1,408	103	113	b
11/25/2012	0.93	1.07	0.64	0.55	0.54	0.42	0.45	1,457	105	113	b
11/26/2012	0.95	1.10	0.64	0.55	0.55	0.44	0.46	1,495	107	115	b
11/27/2012	0.97	1.13	0.65	0.56	0.54	0.44	0.46	1,552	109	113	b
11/28/2012	1.05	1.21	0.66	0.57	0.54	0.45	0.47	1,860	112	110	b
11/29/2012	1.15	1.27	0.66	0.58	0.53	0.46	0.48	1,966	114	120	b
11/30/2012	1.32	1.40	0.70	0.60	0.53	0.47	0.48	2,234	118	110	b
12/01/2012	1.37	1.35	0.71	0.61	0.53	0.47	0.52	1,904	122	112	b
12/02/2012	1.41	1.44	0.78	0.65	0.53	0.46	0.49	1,553	133	116	b
12/03/2012	1.34	1.22	0.78	0.69	0.54	0.51	0.52	976	142	117	b
12/04/2012	1.24	1.18	0.77	0.71	0.56	0.52	0.51	606	148	116	b
12/05/2012	1.17	1.16	0.76	0.72	0.58	0.52	0.51	439	151	119	b
12/06/2012	1.12	1.14	0.76	0.72	0.59	0.53	0.53	337	150	118	b

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

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 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
11/07/2012	0.71	0.47	0.68	0.48	0.86	0.67	0.74	0.51
11/08/2012	0.78	0.48	0.69	0.48	0.86	0.67	0.75	0.51
11/09/2012	0.71	0.49	0.71	0.48	0.83	0.67	0.76	0.51
11/10/2012	0.71	0.49	0.72	0.49	0.86	0.68	0.77	0.52
11/11/2012	0.73	0.50	0.74	0.49	0.87	0.68	0.77	0.53
11/12/2012	0.74	0.51	0.75	0.50	0.94	0.69	0.78	0.53
11/13/2012	0.72	0.52	0.75	0.50	0.97	0.70	0.78	0.54
11/14/2012	0.71	0.52	0.77	0.51	0.96	0.70	0.77	0.55
11/15/2012	0.69	0.53	0.78	0.52	0.91	0.71	0.76	0.56
11/16/2012	0.65	0.54	0.78	0.53	0.89	0.72	0.75	0.57
11/17/2012	0.65	0.55	0.77	0.54	0.87	0.73	0.73	0.58
11/18/2012	0.66	0.56	0.77	0.55	0.84	0.73	0.71	0.59
11/19/2012	0.66	0.57	0.75	0.56	0.82	0.74	0.71	0.60
11/20/2012	0.66	0.58	0.75	0.57	0.82	0.74	0.71	0.61
11/21/2012	0.66	0.59	0.75	0.58	0.86	0.75	0.71	0.62
11/22/2012	0.64	0.60	0.75	0.59	0.87	0.76	0.72	0.63
11/23/2012	0.65	0.62	0.74	0.61	0.92	0.78	0.70	0.65
11/24/2012	0.66	0.63	0.74	0.62	0.97	0.79	0.70	0.66
11/25/2012	0.69	0.64	0.74	0.64	0.93	0.80	0.71	0.67
11/26/2012	0.71	0.66	0.75	0.65	0.89	0.81	0.73	0.69
11/27/2012	0.73	0.67	0.75	0.67	0.85	0.82	0.75	0.70
11/28/2012	0.72	0.68	0.75	0.68	0.85	0.83	0.78	0.71
11/29/2012	0.72	0.68	0.76	0.70	0.84	0.84	0.78	0.72
11/30/2012	0.69	0.69	0.74	0.71	0.86	0.85	0.77	0.73
12/01/2012	0.63	0.69	0.73	0.72	0.86	0.86	0.74	0.74
12/02/2012	0.63	0.69	0.67	0.72	0.84	0.87	0.72	0.74
12/03/2012	0.58	0.68	0.70	0.73	0.81	0.87	0.66	0.74
12/04/2012	0.58	0.68	0.70	0.73	0.77	0.87	0.64	0.73
12/05/2012	0.64	0.68	0.67	0.73	0.76	0.87	0.60	0.73
12/06/2012	0.62	0.68	0.65	0.73	0.78	0.87	0.67	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