

GRASSLAND BYPASS PROJECT

QUARTERLY DATA REPORT

January, February and March 2006

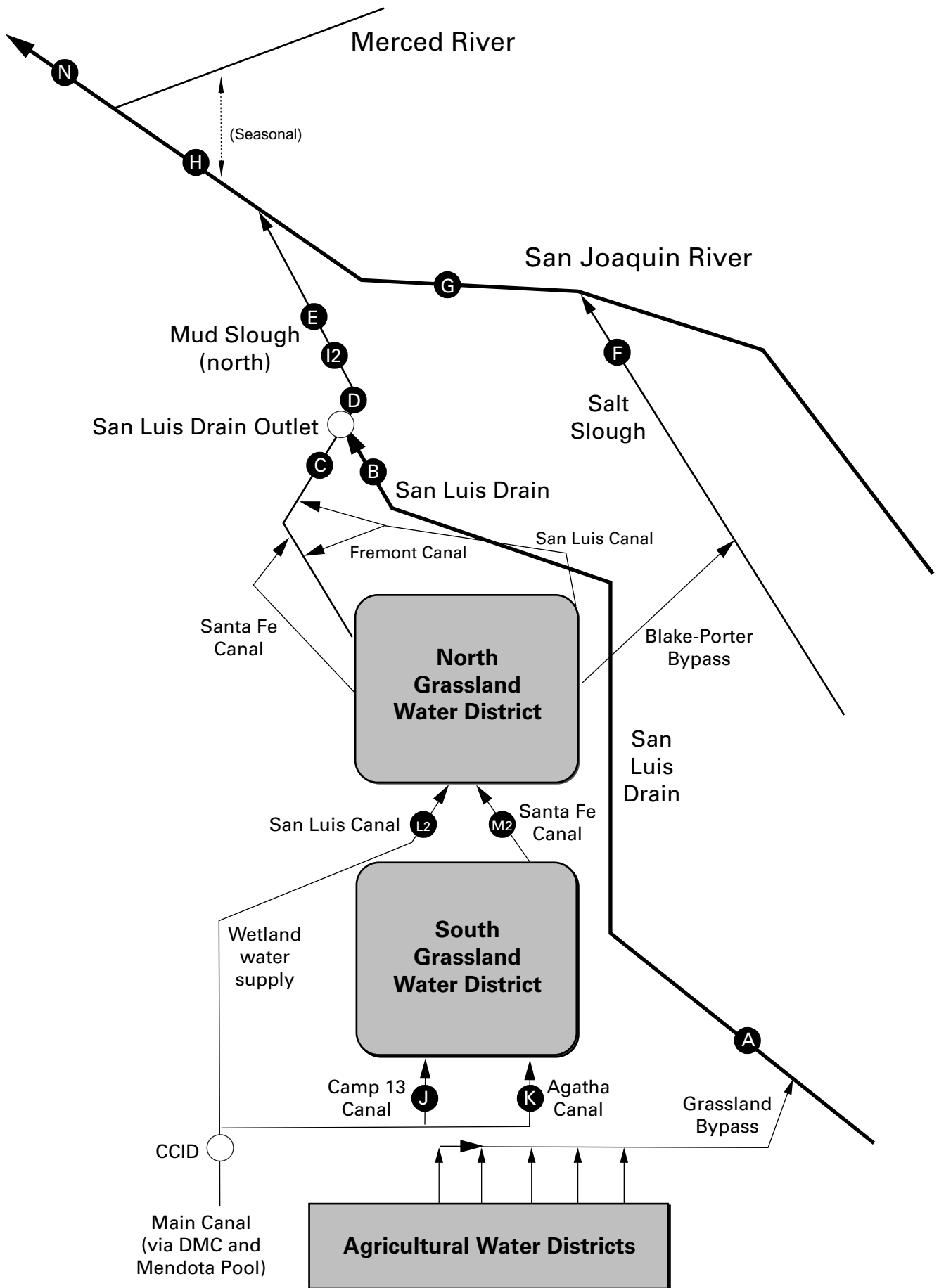
October 2006

A cooperative effort of:

U.S. Bureau of Reclamation
Central Valley Regional Water Quality Control Board
U.S. Fish and Wildlife Service
California Department of Fish and Game
San Luis & Delta-Mendota Water Authority
U.S. Environmental Protection Agency
U.S. Geological Survey

compiled by San Francisco Estuary Institute





GRASSLAND BYPASS PROJECT

QUARTERLY DATA REPORT

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PRELIMINARY RESULTS

Table 1. Continuous water monitoring at Station A (inflow to San Luis Drain), January, February, March 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Specific Conductance	Flow	Specific Conductance	Flow	Specific Conductance
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	cfs	µS/cm	cfs	µS/cm	cfs	µS/cm
Month	January	January	February	February	March	March
Day 1	29	3,240	37	5,330	59	4,670
Day 2	68	3,340	36	5,370	54	4,970
Day 3	108	1,930	38	5,330	56	5,000
Day 4	118	2,420	38	5,260	58	4,700
Day 5	79	3,060	38	5,210	54	4,630
Day 6	69	3,680	42	5,260	52	4,870
Day 7	61	4,260	46	4,770	50	5,050
Day 8	48	4,790	43	4,880	47	5,460
Day 9	44	4,920	50	4,790	43	5,450
Day 10	45	4,980	53	4,460	42	5,540
Day 11	46	4,840	48	4,450	33	5,600
Day 12	45	4,840	50	4,360	33	5,240
Day 13	48	5,420	52	4,450	30	5,370
Day 14	49	5,190	52	4,350	34	4,780
Day 15	46	5,270	52	4,400	37	4,980
Day 16	42	5,320	49	4,330	36	5,130
Day 17	42	5,200	38	4,480	38	4,880
Day 18	43	5,130	39	4,370	46	4,780
Day 19	42	5,190	37	4,240	45	4,820
Day 20	42	5,220	32	4,970	40	5,180
Day 21	38	5,350	32	5,000	35	5,880
Day 22	34	5,430	35	4,740	33	6,030
Day 23	34	5,490	38	4,620	31	6,170
Day 24	37	5,350	38	4,670	30	6,130
Day 25	40	5,230	49	4,710	29	6,310
Day 26	39	5,320	56	4,980	29	6,410
Day 27	37	5,330	61	4,650	29	6,340
Day 28	36	5,310	63	4,640	37	6,120
Day 29	35	5,320	.	.	38	6,100
Day 30	35	5,340	.	.	34	6,140
Day 31	38	5,260	.	.	33	6,240
Mean	49	4,740	44	4,750	40	5,450

PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), January 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	San Luis Drain Outlet Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	SLDMWA	SLDMWA	CVRWQCB	SLDMWA	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Jan-01-2006	36	11.7	7.3	4,310	54.7	10.7
Jan-02-2006	46	11.4	6.6	4,200	51.8	12.8
Jan-03-2006	81	11.4	6.4	4,160	54.9	24.1
Jan-04-2006	109	11.6	5.4	3,300	41.4	24.4
Jan-05-2006	114	11.8	2.8	2,140	25.2	15.5
Jan-06-2006	86	11.8	3.2	2,400	27.6	12.8
Jan-07-2006	75	12.2	4.0	2,780	29.2	11.8
Jan-08-2006	67	12.2	6.2	3,550	36.4	13.2
Jan-09-2006	56	12.0	6.5	3,830	44.4	13.3
Jan-10-2006	51	12.0	7.1	4,320	53.0	14.6
Jan-11-2006	51	11.9	8.2	4,730	58.4	16.2
Jan-12-2006	53	11.4	8.2	4,840	60.8	17.2
Jan-13-2006	52	11.6	8.1	4,870	68.6	19.3
Jan-14-2006	53	11.8	8.1	4,800	67.5	19.2
Jan-15-2006	52	11.3	8.1	4,780	71.4	20.1
Jan-16-2006	50	10.9	9.6	5,130	82.7	22.5
Jan-17-2006	47	10.9	8.0	4,890	74.2	18.9
Jan-18-2006	47	11.1	8.5	4,890	76.2	19.3
Jan-19-2006	48	10.6	8.5	4,970	75.4	19.4
Jan-20-2006	48	10.4	7.8	4,950	74.2	19.1
Jan-21-2006	48	10.5	8.7	4,880	67.7	17.4
Jan-22-2006	44	10.7	8.7	4,870	72.6	17.2
Jan-23-2006	41	10.5	8.7	4,960	78.5	17.3
Jan-24-2006	41	10.7	9.0	4,920	68.2	15.0
Jan-25-2006	44	10.8	8.3	4,980	70.6	16.6
Jan-26-2006	46	11.5	8.5	4,910	70.3	17.3
Jan-27-2006	45	11.3	7.8	4,960	64.3	15.6
Jan-28-2006	44	11.7	7.8	4,800	63.4	15.0
Jan-29-2006	42	12.8	8.0	4,830	63.8	14.6
Jan-30-2006	41	13.1	8.0	4,900	68.7	15.2
Jan-31-2006	42	13.0	7.4	4,920	66.8	15.0
Mean	55	11.5	7.4	4,440	60.7	16.8
Total Acre-feet	3,370					
Total (lbs)						521

Load Limitation for January 2006 (lbs)

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PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), February 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	San Luis Drain Outlet Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	SLDMWA	SLDMWA	CVRWQCB	SLDMWA	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Feb-01-2006	44	13.6	7.8	4,910	63.0	14.9
Feb-02-2006	43	14.6	7.7	4,880	63.0	14.5
Feb-03-2006	42	14.4	7.8	4,890	65.0	14.9
Feb-04-2006	44	14.1	7.4	4,830	65.8	15.6
Feb-05-2006	44	13.4	7.6	4,910	69.4	16.6
Feb-06-2006	45	13.4	8.0	4,980	70.0	16.9
Feb-07-2006	48	13.7	7.5	4,870	67.6	17.5
Feb-08-2006	51	14.3	7.4	4,890	65.5	18.2
Feb-09-2006	50	14.4	7.6	4,910	64.4	17.4
Feb-10-2006	55	14.8	7.0	4,560	60.4	17.9
Feb-11-2006	57	15.1	6.9	4,660	60.6	18.7
Feb-12-2006	54	15.4	7.0	4,590	68.6	19.9
Feb-13-2006	55	15.7	6.7	4,340	62.0	18.5
Feb-14-2006	56	15.6	7.3	4,350	57.2	17.3
Feb-15-2006	56	14.3	6.7	4,210	50.9	15.5
Feb-16-2006	57	13.3	6.7	4,200	51.3	15.7
Feb-17-2006	54	12.5	6.0	4,060	43.2	12.6
Feb-18-2006	45	11.6	6.3	4,110	43.2	10.6
Feb-19-2006	45	11.4	6.4	4,160	45.2	11.0
Feb-20-2006	43	11.4	6.1	4,040	38.0	8.8
Feb-21-2006	38	11.4	6.2	4,130	39.0	8.1
Feb-22-2006	38	12.2	6.0	3,940	35.2	7.2
Feb-23-2006	40	12.8	6.4	3,920	31.6	6.9
Feb-24-2006	43	13.7	8.8	4,700	39.7	9.2
Feb-25-2006	44	14.7	9.0	4,630	38.8	9.3
Feb-26-2006	54	14.7	8.8	4,390	35.8	10.4
Feb-27-2006	65	14.0	8.5	4,400	41.4	14.5
Feb-28-2006	66	14.6	8.3	4,630	52.6	18.6
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Mean	49	13.8	7.3	4,500	53.2	14.2
Total Acre-feet	2,730					
Total (lbs)						397

Load Limitation for February 2006 (lbs)	488
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PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), March 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

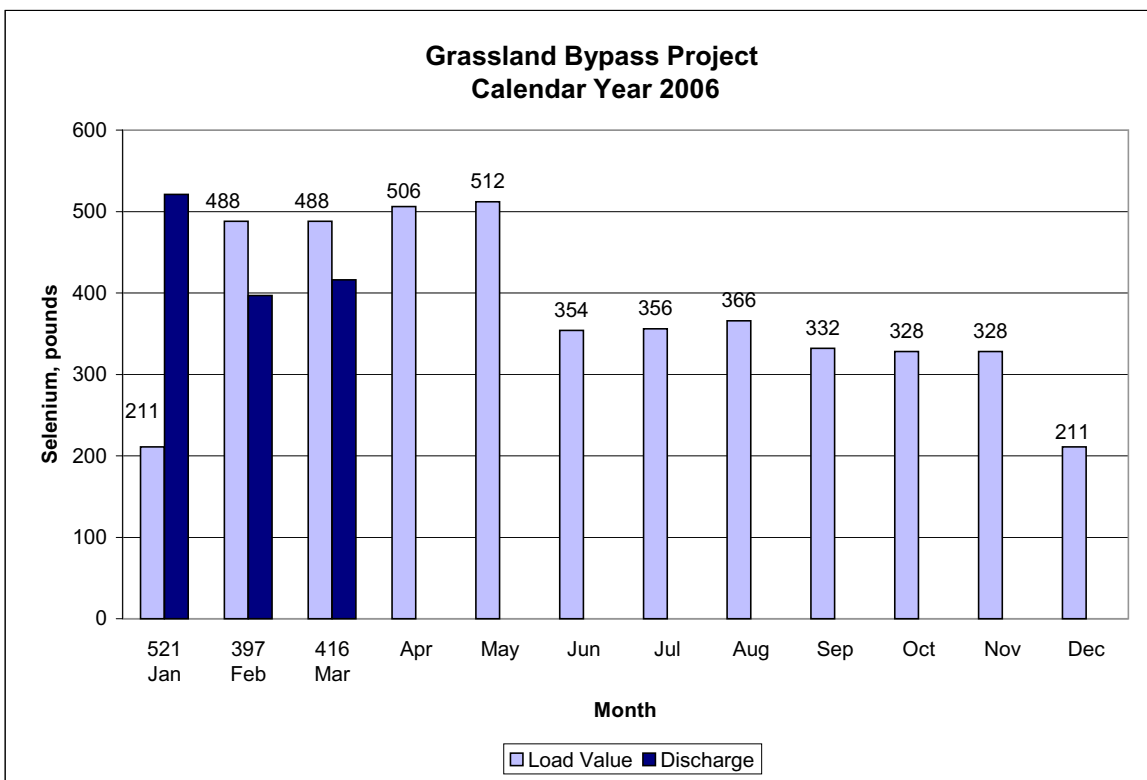
PARAMETER	San Luis Drain Outlet Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	SLDMWA	SLDMWA	CVRWQCB	SLDMWA	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Mar-01-2006	67	14.8	8.8	4,650	56.4	20.2
Mar-02-2006	62	14.6	8.1	4,390	50.9	17.1
Mar-03-2006	58	14.2	8.6	4,550	55.8	17.5
Mar-04-2006	60	14.0	9.0	4,620	52.0	16.7
Mar-05-2006	62	13.5	9.1	4,820	55.4	18.5
Mar-06-2006	60	13.8	8.9	4,820	57.0	18.4
Mar-07-2006	57	14.2	8.6	4,590	53.5	16.4
Mar-08-2006	55	14.4	8.1	4,490	53.4	15.7
Mar-09-2006	51	14.9	8.4	4,730	55.0	15.1
Mar-10-2006	48	13.8	8.1	4,710	55.4	14.2
Mar-11-2006	46	12.7	7.1	4,710	53.6	13.3
Mar-12-2006	39	12.4	8.3	5,600	57.2	12.2
Mar-13-2006	37	12.5	9.1	5,200	60.4	12.2
Mar-14-2006	36	12.8	8.8	5,230	60.0	11.6
Mar-15-2006	37	13.2	9.2	5,200	52.0	10.5
Mar-16-2006	40	14.3	8.6	4,990	45.6	9.9
Mar-17-2006	41	14.3	8.4	5,010	45.9	10.3
Mar-18-2006	43	14.2	7.6	4,520	43.8	10.1
Mar-19-2006	48	14.1	7.9	4,930	49.0	12.8
Mar-20-2006	50	13.6	7.4	4,710	47.1	12.7
Mar-21-2006	46	13.8	7.5	4,700	48.2	11.9
Mar-22-2006	40	14.9	7.4	4,720	50.8	11.0
Mar-23-2006	38	16.0	7.1	4,520	47.2	9.6
Mar-24-2006	36	17.0	8.5	5,020	55.5	10.7
Mar-25-2006	35	17.6	9.5	5,540	60.8	11.5
Mar-26-2006	34	17.0	10.0	5,620	64.0	11.7
Mar-27-2006	34	16.7	11.0	5,750	61.5	11.4
Mar-28-2006	36	15.8	12.0	5,620	58.6	11.3
Mar-29-2006	43	14.7	11.0	5,750	61.7	14.4
Mar-30-2006	43	15.0	11.0	5,880	63.8	14.7
Mar-31-2006	40	15.5	10.0	5,690	59.7	12.8
Mean	46	14.5	8.8	5,010	54.6	13.4
Total Acre-feet	2,820					
Total (lbs)						416

Load Limitation for March 2006 (lbs)

488

PRELIMINARY RESULTS

Figure 2b. Monthly selenium discharges from the terminus of the San Luis Drain into Mud Slough compared to load values.



PRELIMINARY RESULTS

Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), January 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Jan-01-2006	282	11.1	1,970
Jan-02-2006	354	10.9	1,900
Jan-03-2006	502	10.5	1,850
Jan-04-2006	573	10.9	1,760
Jan-05-2006	602	11.2	1,490
Jan-06-2006	610	11.2	1,480
Jan-07-2006	582	12.0	1,550
Jan-08-2006	546	11.9	1,640
Jan-09-2006	509	11.2	1,630
Jan-10-2006	440	10.9	1,770
Jan-11-2006	355	11.0	2,180
Jan-12-2006	278	10.5	2,420
Jan-13-2006	245	11.0	2,520
Jan-14-2006	240	11.3	2,570
Jan-15-2006	216	10.4	2,680
Jan-16-2006	188	9.8	2,910
Jan-17-2006	165	10.1	2,920
Jan-18-2006	151	10.7	3,020
Jan-19-2006	151	10.3	3,080
Jan-20-2006	146	9.7	3,100
Jan-21-2006	150	9.7	3,030
Jan-22-2006	165	10.1	2,820
Jan-23-2006	175	9.9	2,700
Jan-24-2006	202	10.0	2,490
Jan-25-2006	257	9.9	2,100
Jan-26-2006	197	11.0	2,670
Jan-27-2006	163	10.9	2,850
Jan-28-2006	154	11.3	2,820
Jan-29-2006	144	12.8	2,880
Jan-30-2006	138	12.8	2,860
Jan-31-2006	139	12.2	2,810
Mean	291	10.9	2,400

PRELIMINARY RESULTS

Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), February 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Feb-01-2006	141	13.0	2,820
Feb-02-2006	144	14.2	2,840
Feb-03-2006	146	13.9	2,690
Feb-04-2006	148	13.4	2,680
Feb-05-2006	143	12.3	2,780
Feb-06-2006	142	12.3	2,850
Feb-07-2006	156	12.9	2,830
Feb-08-2006	157	13.4	2,890
Feb-09-2006	148	13.8	3,000
Feb-10-2006	147	14.1	3,010
Feb-11-2006	155	14.5	2,930
Feb-12-2006	154	14.8	2,890
Feb-13-2006	153	15.1	2,850
Feb-14-2006	144	14.9	3,020
Feb-15-2006	139	13.0	3,020
Feb-16-2006	136	11.9	3,040
Feb-17-2006	139	11.4	2,980
Feb-18-2006	144	10.6	2,700
Feb-19-2006	148	10.7	2,720
Feb-20-2006	151	10.8	2,570
Feb-21-2006	153	10.9	2,540
Feb-22-2006	147	11.5	2,570
Feb-23-2006	149	12.4	2,510
Feb-24-2006	153	13.4	2,520
Feb-25-2006	162	14.3	2,550
Feb-26-2006	177	13.9	2,540
Feb-27-2006	204	12.9	2,510
Feb-28-2006	252	13.8	2,380
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Mean	155	13.0	2,760

PRELIMINARY RESULTS

Table 3. Continuous water monitoring at Station D**(Mud Slough North downstream of drainage discharges), March 2006.**

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Mar-01-2006	331	14.0	2,260
Mar-02-2006	347	13.6	2,170
Mar-03-2006	346	12.8	2,200
Mar-04-2006	331	12.3	2,320
Mar-05-2006	319	12.2	2,390
Mar-06-2006	315	13.1	2,420
Mar-07-2006	304	13.7	2,350
Mar-08-2006	301	13.5	2,360
Mar-09-2006	285	14.0	2,440
Mar-10-2006	275	12.4	2,540
Mar-11-2006	259	11.0	2,570
Mar-12-2006	244	10.9	2,550
Mar-13-2006	232	11.8	2,590
Mar-14-2006	222	12.2	2,620
Mar-15-2006	222	12.6	2,650
Mar-16-2006	216	13.7	2,710
Mar-17-2006	216	13.6	2,700
Mar-18-2006	223	13.2	2,600
Mar-19-2006	215	13.0	2,800
Mar-20-2006	203	12.4	2,840
Mar-21-2006	193	12.7	2,860
Mar-22-2006	177	14.2	2,840
Mar-23-2006	170	16.0	2,840
Mar-24-2006	194	16.9	2,680
Mar-25-2006	268	16.3	1,990
Mar-26-2006	262	15.2	2,110
Mar-27-2006	210	NA	NA
Mar-28-2006	207	NA	NA
Mar-29-2006	204	NA	NA
Mar-30-2006	181	NA	NA
Mar-31-2006	172	NA	NA
Mean	247	13.4	2,520

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), January 2006.

See Table 33 for explanation of footnotes and agency abbreviations.			
PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Jan-01-2006	237	11.3	1,660
Jan-02-2006	287	11.1	1,660
Jan-03-2006	405	10.7	1,520
Jan-04-2006	541	11.0	1,280
Jan-05-2006	592	10.9	1,270
Jan-06-2006	568	10.9	1,440
Jan-07-2006	518	11.5	1,610
Jan-08-2006	476	11.5	1,690
Jan-09-2006	438	11.1	1,730
Jan-10-2006	406	10.7	1,790
Jan-11-2006	366	10.7	1,850
Jan-12-2006	324	10.6	1,930
Jan-13-2006	300	11.1	1,970
Jan-14-2006	283	11.5	2,060
Jan-15-2006	259	10.8	2,110
Jan-16-2006	240	10.2	2,160
Jan-17-2006	202	10.3	2,280
Jan-18-2006	180	11.4	2,350
Jan-19-2006	184	10.9	2,260
Jan-20-2006	187	10.3	2,120
Jan-21-2006	174	10.1	2,090
Jan-22-2006	169	10.6	2,090
Jan-23-2006	173	10.5	2,090
Jan-24-2006	176	10.5	2,120
Jan-25-2006	178	10.3	2,190
Jan-26-2006	190	11.1	2,110
Jan-27-2006	194	11.0	1,970
Jan-28-2006	186	11.4	1,940
Jan-29-2006	182	12.8	1,920
Jan-30-2006	191	12.8	1,820
Jan-31-2006	209	12.3	1,710
Mean	291	11.0	1,900

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), February 2006.

See Table 33 for explanation of footnotes and agency abbreviations.			
PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Feb-01-2006	228	12.7	1,620
Feb-02-2006	231	13.8	1,480
Feb-03-2006	221	13.6	1,450
Feb-04-2006	228	13.2	1,420
Feb-05-2006	251	12.2	1,310
Feb-06-2006	254	12.0	1,350
Feb-07-2006	275	12.3	1,270
Feb-08-2006	287	12.6	1,250
Feb-09-2006	280	12.9	1,250
Feb-10-2006	255	13.1	1,320
Feb-11-2006	235	13.6	1,380
Feb-12-2006	245	14.0	1,300
Feb-13-2006	276	14.2	1,220
Feb-14-2006	303	14.0	1,150
Feb-15-2006	309	12.6	1,140
Feb-16-2006	313	11.1	1,160
Feb-17-2006	307	10.6	1,220
Feb-18-2006	321	10.2	1,200
Feb-19-2006	346	10.4	1,160
Feb-20-2006	369	10.1	1,150
Feb-21-2006	381	10.2	1,150
Feb-22-2006	394	10.5	1,140
Feb-23-2006	396	11.1	1,180
Feb-24-2006	401	11.9	1,200
Feb-25-2006	407	12.9	1,210
Feb-26-2006	408	13.1	1,220
Feb-27-2006	414	12.5	1,220
Feb-28-2006	424	13.3	1,230
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.	.	.	.
.	.	.	.
Mean	313	12.3	1,260

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), March 2006.

See Table 33 for explanation of footnotes and agency abbreviations.			
PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	USGS	USGS	USGS
UNITS	cfs	°C	µS/cm
Mar-01-2006	436	13.6	1,260
Mar-02-2006	430	13.5	1,320
Mar-03-2006	411	13.0	1,390
Mar-04-2006	392	12.4	1,430
Mar-05-2006	382	12.2	1,440
Mar-06-2006	390	12.9	1,430
Mar-07-2006	392	13.5	1,450
Mar-08-2006	378	13.5	1,500
Mar-09-2006	367	13.9	1,530
Mar-10-2006	350	12.9	1,580
Mar-11-2006	332	11.7	1,640
Mar-12-2006	334	11.4	1,650
Mar-13-2006	346	11.7	1,620
Mar-14-2006	352	12.1	1,610
Mar-15-2006	358	12.5	1,630
Mar-16-2006	367	13.3	1,630
Mar-17-2006	377	13.6	1,620
Mar-18-2006	392	13.3	1,560
Mar-19-2006	409	13.2	1,400
Mar-20-2006	405	12.7	1,430
Mar-21-2006	390	12.5	1,470
Mar-22-2006	388	13.4	1,450
Mar-23-2006	390	15.0	1,490
Mar-24-2006	371	16.3	1,640
Mar-25-2006	360	16.3	1,740
Mar-26-2006	355	15.3	1,740
Mar-27-2006	355	15.0	1,700
Mar-28-2006	356	14.5	1,650
Mar-29-2006	362	13.4	1,630
Mar-30-2006	375	13.7	1,610
Mar-31-2006	394	14.7	1,630
Mean	377	13.5	1,540

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), January 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance	Selenium (total)
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB
UNITS	cfs	°C	µS/cm	µg/L
Jan-01-2006	3,680	11.6	405	0.5
Jan-02-2006	3,720	11.2	436	0.7
Jan-03-2006	4,480	10.9	449	0.5
Jan-04-2006	5,170	11.0	355	0.6
Jan-05-2006	5,850	11.1	344	0.7
Jan-06-2006	6,470	11.1	335	0.7
Jan-07-2006	6,770	11.3	387	0.6
Jan-08-2006	6,780	11.2	422	0.6
Jan-09-2006	6,580	10.9	436	0.6
Jan-10-2006	6,230	10.6	444	0.7
Jan-11-2006	5,920	10.6	429	0.7
Jan-12-2006	5,670	10.5	438	0.8
Jan-13-2006	5,350	10.6	455	0.9
Jan-14-2006	4,850	10.8	503	1.1
Jan-15-2006	4,520	10.7	506	1.0
Jan-16-2006	4,060	10.2	562	1.2
Jan-17-2006	3,810	10.1	578	1.2
Jan-18-2006	3,480	10.4	594	1.2
Jan-19-2006	3,050	10.4	663	1.3
Jan-20-2006	2,860	10.0	697	1.5
Jan-21-2006	2,820	9.8	694	1.5
Jan-22-2006	2,710	9.8	669	1.5
Jan-23-2006	2,680	10.1	685	1.4
Jan-24-2006	2,600	10.1	708	1.4
Jan-25-2006	2,450	9.9	767	1.4
Jan-26-2006	2,430	10.4	764	1.3
Jan-27-2006	2,260	10.5	875	1.7
Jan-28-2006	2,180	10.7	905	1.7
Jan-29-2006	2,180	11.6	892	1.7
Jan-30-2006	2,140	12.0	884	1.7
Jan-31-2006	2,120	11.6	884	1.6
Mean	4,060	10.7	590	1.1

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), February 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance	Selenium (total)
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB
UNITS	cfs	°C	µS/cm	µg/L
Feb-01-2006	2,010	11.9	908	1.7
Feb-02-2006	1,840	12.8	1,000	1.8
Feb-03-2006	1,780	13.2	1,070	2.0
Feb-04-2006	1,780	13.0	1,040	2.0
Feb-05-2006	1,840	12.2	1,040	2.1
Feb-06-2006	1,860	11.9	988	2.1
Feb-07-2006	1,870	12.1	964	2.3
Feb-08-2006	1,860	12.3	973	2.3
Feb-09-2006	1,750	12.7	1,050	2.6
Feb-10-2006	1,690	12.9	1,130	2.7
Feb-11-2006	1,670	13.2	1,150	2.8
Feb-12-2006	1,640	13.5	1,210	2.9
Feb-13-2006	1,710	13.8	1,210	3.0
Feb-14-2006	2,080	13.3	803	2.2
Feb-15-2006	1,810	12.7	944	2.5
Feb-16-2006	1,700	11.9	1,060	2.5
Feb-17-2006	1,800	11.2	1,030	2.2
Feb-18-2006	1,890	10.4	981	2.1
Feb-19-2006	1,900	10.4	1,120	1.6
Feb-20-2006	1,840	10.4	1,010	1.8
Feb-21-2006	1,880	10.4	940	1.5
Feb-22-2006	1,910	10.5	910	1.3
Feb-23-2006	1,890	11.1	959	1.3
Feb-24-2006	1,870	11.7	1,420	1.2
Feb-25-2006	1,860	12.6	1,170	1.3
Feb-26-2006	1,880	12.8	1,030	1.4
Feb-27-2006	1,960	12.4	1,090	1.5
Feb-28-2006	2,030	12.9	1,020	1.8
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Mean	1,840	12.2	1,040	2.0

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), March 2006.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance	Selenium (total)
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB
UNITS	cfs	°C	µS/cm	µg/L
Mar-01-2006	2,210	13.0	1,040	1.8
Mar-02-2006	2,740	13.0	790	1.8
Mar-03-2006	3,260	12.0	661	1.3
Mar-04-2006	3,630	11.4	600	1.2
Mar-05-2006	4,060	11.1	527	1.0
Mar-06-2006	4,190	11.6	540	1.1
Mar-07-2006	4,390	11.8	498	1.0
Mar-08-2006	4,420	11.8	489	1.0
Mar-09-2006	4,020	12.3	679	1.1
Mar-10-2006	4,040	11.8	553	1.0
Mar-11-2006	3,910	11.0	589	1.0
Mar-12-2006	3,790	10.4	606	1.1
Mar-13-2006	4,020	10.3	545	0.8
Mar-14-2006	4,160	10.7	510	0.8
Mar-15-2006	4,210	10.9	494	0.8
Mar-16-2006	4,330	11.3	491	0.8
Mar-17-2006	4,540	11.7	479	0.7
Mar-18-2006	4,740	11.6	466	0.6
Mar-19-2006	4,960	11.6	450	0.6
Mar-20-2006	4,690	11.6	496	0.8
Mar-21-2006	4,440	11.4	533	0.9
Mar-22-2006	4,310	11.7	437	0.8
Mar-23-2006	4,240	12.6	NA	NA
Mar-24-2006	4,290	13.7	488	0.8
Mar-25-2006	4,170	14.5	546	0.7
Mar-26-2006	4,040	14.1	563	0.8
Mar-27-2006	3,990	13.9	571	0.8
Mar-28-2006	4,020	13.5	557	0.9
Mar-29-2006	4,570	12.7	467	0.7
Mar-30-2006	4,960	12.3	444	0.7
Mar-31-2006	5,270	12.8	401	0.8
Mean	4,150	12.1	550	0.9

PRELIMINARY RESULTS

Table 6a. Weekly water quality monitoring at Station A (inflow to San Luis Drain), taken from grab samples.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Total Suspended Solids	.	.	.
DATA SOURCE	SLDMWA	.	.	CVRWQCB	CVRWQCB	.	.	.
UNITS	cfs	.	.	µS/cm	mg/L	.	.	.
Jan-04-2006	118	.	.	2,450	160	.	.	.
Jan-11-2006	46	.	.	4,780	220	.	.	.
Jan-18-2006	43	.	.	5,040	P	.	.	.
Jan-25-2006	40	.	.	6,170	110	.	.	.
Jan-31-2006	38	.	.	5,200	170	.	.	.
Feb-08-2006	43	.	.	4,620	P	.	.	.
Feb-15-2006	52	.	.	4,000	130	.	.	.
Feb-22-2006	35	.	.	4,380	86	.	.	.
Mar-01-2006	59	.	.	4,310	130	.	.	.
Mar-08-2006	47	.	.	4,760	91	.	.	.
Mar-15-2006	37	.	.	4,920	120	.	.	.
Mar-22-2006	33	.	.	5,650	96	.	.	.
Mar-29-2006	38	.	.	5,970	140	.	.	.

Table 6b. Weekly water quality monitoring at Station A (inflow to San Luis Drain), taken from composite samples.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	.	Selenium (total)	.	Boron
DATA SOURCE	SLDMWA	.	.	CVRWQCB	.	CVRWQCB	.	CVRWQCB
UNITS	cfs	.	.	µS/cm	.	µg/L	.	mg/L
Jan-09-2006	44	.	.	4,240	.	60.2	.	7.4
Jan-17-2006	42	.	.	5,070	.	77.0	.	9.0
Jan-24-2006	37	.	.	5,100	.	75.8	.	8.3
Jan-30-2006	35	.	.	5,090	.	69.4	.	8.5
Feb-07-2006	46	.	.	5,050	.	71.2	.	8.0
Feb-14-2006	52	.	.	4,370	.	60.0	.	6.9
Feb-21-2006	32	.	.	4,390	.	42.8	.	7.1
Feb-28-2006	63	.	.	4,490	.	51.6	.	7.2
Mar-07-2006	50	.	.	4,900	.	58.4	.	7.7
Mar-14-2006	34	.	.	5,050	.	57.8	.	8.4
Mar-21-2006	35	.	.	4,920	.	58.3	.	7.9
Mar-28-2006	37	.	.	6,160	.	71.4	.	11.0

PRELIMINARY RESULTS

Table 7. Weekly water quality monitoring at Station B (discharge from San Luis Drain), taken from grab samples.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Total Suspended Solids	Selenium (total)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	mg/L	µg/L	mg/L
Jan-05-2006	114	11.3	7.6	1,940	230	26.0	2.8
Jan-12-2006	53	11.0	8.1	4,880	49	70.0	8.4
Jan-19-2006	48	9.8	8.1	5,020	40	72.6	9.1
Jan-26-2006	46	10.7	8.0	5,020	48	67.8	9.2
Feb-02-2006	43	13.4	7.8	4,910	64	60.0	8.5
Feb-09-2006	50	13.2	8.1	4,960	48	62.4	7.6
Feb-16-2006	57	12.0	7.7	4,110	59	52.0	6.1
Feb-23-2006	40	11.3	8.0	3,950	46	30.2	5.8
Mar-02-2006	62	13.3	7.6	4,410	62	52.6	6.7
Mar-09-2006	51	14.0	8.1	4,730	78	57.0	7.2
Mar-16-2006	40	13.0	8.2	4,930	42	49.8	8.2
Mar-23-2006	38	14.1	8.3	4,600	45	48.6	8.5
Mar-30-2006	43	13.6	8.2	5,860	P	65.3	11.0

Table 8. Weekly water quality monitoring at Station C (Mud Slough North upstream of drainage discharges).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	.	Selenium (total)	Boron
DATA SOURCE	calculated ++	CVRWQCB	CVRWQCB	CVRWQCB	.	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	.	µg/L	mg/L
Jan-05-2006	488	10.2	7.8	1,330	.	0.4	1.1
Jan-12-2006	226	10.2	7.9	1,670	.	0.5	1.5
Jan-19-2006	102	9.3	7.9	2,150	.	<0.4	1.9
Jan-26-2006	151	10.4	8.0	1,810	.	0.6	1.7
Feb-02-2006	101	13.3	7.9	2,110	.	0.4	1.9
Feb-09-2006	98	12.4	7.9	2,040	.	<0.4	1.8
Feb-16-2006	79	9.6	7.9	2,240	.	0.4	1.8
Feb-23-2006	109	10.9	8.0	1,970	.	0.5	1.6
Mar-02-2006	285	13.0	7.9	1,740	.	0.6	1.5
Mar-09-2006	234	13.5	7.9	1,900	.	0.6	1.7
Mar-16-2006	176	12.7	8.0	2,090	.	1.1	1.9
Mar-23-2006	132	14.1	8.1	2,320	.	0.6	1.9
Mar-30-2006	138	13.0	8.1	2,170	.	0.5	2.1

++ Calculated flow value. Flow at Station C = flow at Station D - flow at Station B.

PRELIMINARY RESULTS

Table 9. Weekly water quality monitoring at Station D (Mud Slough North downstream of drainage discharges).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	µg/L	mg/L
Jan-05-2006	602	10.7	7.7	1,460	6.2	1.5
Jan-12-2006	279	10.3	7.9	2,390	14.0	3.1
Jan-19-2006	151	9.5	7.9	3,120	21.8	4.0
Jan-26-2006	197	10.4	7.2	2,560	14.6	3.7
Feb-02-2006	144	13.3	7.9	2,950	16.0	3.6
Feb-09-2006	148	12.5	7.9	3,010	18.2	3.5
Feb-16-2006	136	10.6	7.9	3,020	20.3	3.5
Feb-23-2006	149	10.9	8.0	2,540	9.1	2.7
Mar-02-2006	347	13.1	7.9	2,290	10.2	2.5
Mar-09-2006	285	13.5	8.0	2,430	10.4	2.7
Mar-16-2006	216	12.7	8.0	2,700	8.5	3.3
Mar-23-2006	170	13.9	8.2	2,870	10.7	3.5
Mar-30-2006	181	13.0	8.2	3,090	14.6	4.2

Table 10. Weekly water quality monitoring at Station I2 (Mud Slough backwater downstream of Station D).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER		pH	Specific Conductance	Turbidity	Selenium	Boron
DATA SOURCE		USBR	USBR	USBR	USBR	USBR
UNITS		.	µS/cm	NTU	µg/L	mg/L
Jan-05-2006	.	7.6	1,450	50	5.4	1.5
Jan-10-2006	.	7.7	1,760	33	7.2	1.9
Jan-17-2006	.	7.8	3,090	13	17.1	3.5
Jan-24-2006	.	8.0	2,410	42	11.4	2.8
Feb-02-2006	.	7.8	3,190	26	14.8	3.7
Feb-06-2006	.	7.9	3,260	26	17.3	3.8
Feb-17-2006	.	8.0	3,080	23	13.6	3.9
Feb-21-2006	.	8.0	2,820	22	8.4	3.1
Feb-27-2006	.	7.9	2,770	36	14.2	3.5
Mar-07-2006	.	7.9	2,510	36	10.4	2.9
Mar-14-2006	.	7.7	2,680	26	10.4	3.2
Mar-22-2006	.	8.1	3,010	25	12.2	3.5

PRELIMINARY RESULTS

Table 11. Weekly water quality monitoring at Station F (Salt Slough at Lander Avenue).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	µg/L	mg/L
Jan-05-2006	592	10.6	7.5	1,140	0.8	0.9
Jan-12-2006	324	10.4	7.6	1,920	0.7	1.6
Jan-19-2006	184	10.1	7.6	2,310	<0.4	1.3
Jan-26-2006	190	10.1	7.7	2,100	0.5	1.3
Feb-02-2006	231	13.2	7.6	1,550	0.6	1.1
Feb-09-2006	280	12.1	7.7	1,270	0.8	0.7
Feb-16-2006	312	10.3	7.7	1,140	0.8	0.6
Feb-23-2006	396	10.2	7.3	995	0.9	0.6
Mar-02-2006	430	13.1	7.8	1,310	0.7	0.6
Mar-09-2006	367	13.6	7.5	1,550	0.6	0.7
Mar-16-2006	367	12.5	7.7	1,610	0.8	0.9
Mar-23-2006	390	13.7	7.6	1,640	1.0	1.1
Mar-30-2006	375	13.1	7.8	1,610	0.8	1.3

Table 12. Weekly water quality monitoring at Station J (Camp 13 Ditch).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	SLDMWA ^{††}	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	µg/L	mg/L
Jan-04-2006	0	.	.	1,440	2.1	2.4
Jan-11-2006	0	.	.	1,700	1.2	2.6
Jan-18-2006	20	.	.	419	0.4	0.3
Jan-25-2006	20	.	.	359	0.7	0.4
Jan-31-2006	NA	.	.	488	0.8	0.5
Feb-08-2006	20	.	.	689	1.2	0.6
Feb-15-2006	20	.	.	622	1.9	0.5
Feb-22-2006	20	.	.	565	1.2	0.5
Mar-01-2006	15	.	.	569	1.2	0.4
Mar-08-2006	15	.	.	598	1.3	0.5
Mar-15-2006	15	.	.	502	2.1	0.3
Mar-22-2006	15	.	.	463	2.0	0.4
Mar-29-2006	15	.	.	282	0.5	0.2

PRELIMINARY RESULTS

Table 13. Weekly water quality monitoring at Station K (Agatha Canal).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	SLDMWA ^{††}	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	µg/L	mg/L
Jan-04-2006	0	.	.	1,210	9.3	1.4
Jan-11-2006	0	.	.	928	0.9	1.5
Jan-18-2006	70	.	.	363	0.5	0.3
Jan-25-2006	70	.	.	417	2.1	0.3
Jan-31-2006	NA	.	.	80	<0.4	0.1
Feb-08-2006	20	.	.	489	1.3	0.4
Feb-15-2006	30	.	.	455	1.1	0.3
Feb-22-2006	14	.	.	393	1.0	0.2
Mar-01-2006	50	.	.	411	1.1	0.3
Mar-08-2006	50	.	.	504	1.4	0.4
Mar-15-2006	50	.	.	482	1.7	0.5
Mar-22-2006	50	.	.	390	1.9	0.4
Mar-29-2006	50	.	.	333	0.5	0.5

Table 14. Weekly water quality monitoring at Station L2 (San Luis Canal at splits).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	SLDMWA ^{††}	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	µg/L	mg/L
Jan-04-2006	0	.	.	970	1.3	1.2
Jan-11-2006	0	.	.	2,550	3.8	4.1
Jan-18-2006	0	.	.	1,800	2.1	2.5
Jan-25-2006	0	.	.	1,350	1.4	1.4
Jan-31-2006	0	.	.	2,040	1.7	2.1
Feb-08-2006	40	.	.	988	1.9	1.0
Feb-15-2006	90	.	.	1,780	3.6	1.6
Feb-22-2006	5	.	.	1,460	2.7	1.4
Mar-01-2006	0	.	.	1,660	2.5	2.1
Mar-08-2006	25	.	.	1,820	2.3	2.5
Mar-15-2006	10	.	.	2,760	2.9	4.3
Mar-22-2006	8	.	.	2,620	3.1	3.5
Mar-29-2006	15	.	.	1,720	1.9	1.7

PRELIMINARY RESULTS

Table 15. Weekly water quality monitoring at Station M2 (Santa Fe Canal at weir).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	SLDMWA ^{††}	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	µg/L	mg/L
Jan-04-2006	128	.	.	1,350	1.6	1.7
Jan-11-2006	114	.	.	1,640	0.8	2.1
Jan-18-2006	105	.	.	1,530	0.4	1.6
Jan-25-2006	103	.	.	1,350	1.9	1.3
Jan-31-2006	P	.	.	1,210	0.6	1.2
Feb-08-2006	95	.	.	1,140	1.1	1.1
Feb-15-2006	65	.	.	1,230	1.4	1.2
Feb-22-2006	139	.	.	1,240	1.4	1.3
Mar-01-2006	80	.	.	1,270	1.0	1.1
Mar-08-2006	71	.	.	1,520	0.9	1.6
Mar-15-2006	126	.	.	1,500	1.0	1.7
Mar-22-2006	139	.	.	1,600	1.2	1.6
Mar-29-2006	118	.	.	1,660	0.9	1.8

Table 16. Weekly water quality monitoring at Central California Irrigation District Main Canal at Russell Avenue (MER510).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	.	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	.	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	.	.	.	µS/cm	µg/L	mg/L
Jan-04-2006	.	.	.	916	2.6	1.1
Jan-11-2006	.	.	.	1,780	2.1	3.5
Jan-18-2006	.	.	.	1,220	1.4	1.3
Jan-25-2006	.	.	.	196	0.6	0.1
Jan-31-2006	.	.	.	112	<0.4	0.1
Feb-08-2006	.	.	.	435	1.1	0.3
Feb-15-2006	.	.	.	383	0.8	0.2
Feb-22-2006	.	.	.	410	1.0	0.2
Mar-01-2006	.	.	.	453	1.2	0.2
Mar-08-2006	.	.	.	500	1.6	0.4
Mar-15-2006	.	.	.	362	1.9	0.1
Mar-22-2006	.	.	.	373	2.0	0.2
Mar-29-2006	.	.	.	117	<0.4	<0.1

PRELIMINARY RESULTS

Table 17. Weekly water quality monitoring at Station G (San Joaquin River at Fremont Ford).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	µg/L	mg/L
Jan-05-2006	2,600	10.9	7.0	300	<0.4	NA
Jan-12-2006	804	10.1	7.3	1,240	0.8	0.8
Jan-19-2006	278	10.1	7.7	1,530	<0.4	0.7
Jan-26-2006	212	10.3	7.6	1,600	0.4	0.7
Feb-02-2006	193	12.9	7.4	1,470	0.4	0.8
Feb-09-2006	187	12.4	7.7	1,460	0.6	0.7
Feb-16-2006	228	10.8	7.5	1,280	0.6	0.6
Feb-23-2006	335	10.8	8.0	1,240	0.8	0.5
Mar-02-2006	535	13.3	7.6	1,200	0.6	0.5
Mar-09-2006	941	13.5	7.5	881	<0.4	0.4
Mar-16-2006	1,040	12.4	7.6	798	0.4	0.4
Mar-23-2006	1,380	13.4	7.7	589	0.5	0.2
Mar-30-2006	1,720	13.2	7.7	445	<0.4	0.3

Table 18. Weekly water quality monitoring at Station H (San Joaquin River at Hills Ferry).

(Collected data intended for use with biological monitoring.)

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	.	.	.	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	.	.	.	SLDMWA	SLDMWA	SLDMWA
UNITS	.	.	.	µS/cm	µg/L	mg/L
Jan-05-2006	.	.	.	NA	<0.4	0.1
Jan-10-2006	.	.	.	NA	0.7	0.2
Jan-17-2005	.	.	.	NA	4.3	1.4
Jan-24-2005	.	.	.	NA	4.2	1.3
Feb-01-2006	.	.	.	NA	4.2	1.5
Feb-07-2006	.	.	.	NA	5.9	1.6
Feb-14-2006	.	.	.	NA	5.7	1.6
Feb-21-2006	.	.	.	NA	0.5	0.2
Feb-28-2006	.	.	.	NA	0.9	0.2
Mar-07-2006	.	.	.	NA	<0.4	0.1
Mar-14-2006	.	.	.	NA	<0.4	0.1
Mar-21-2006	.	.	.	NA	<0.4	0.1
Mar-28-2006	.	.	.	NA	0.4	0.1

PRELIMINARY RESULTS

Table 19. Weekly water quality monitoring at Station N (San Joaquin River at Crow's Landing).

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C	.	µS/cm	µg/L	mg/L
Jan-05-2006	5,850	11.2	7.5	341	0.8	0.3
Jan-12-2006	5660	10.5	7.8	449	0.9	0.4
Jan-19-2006	3,040	10.3	7.7	685	1.3	0.5
Jan-26-2006	2,410	10.5	7.8	755	1.6	0.5
Feb-02-2006	1,840	12.5	7.7	1,020	2.1	0.7
Feb-09-2006	1,750	12.3	7.8	1,080	2.5	0.8
Feb-16-2006	1,700	11.5	7.8	1,010	2.4	0.7
Feb-23-2006	1,890	11.0	7.9	892	1.3	0.6
Mar-02-2006	2,740	13.1	7.8	751	1.6	0.5
Mar-09-2006	4,020	12.3	7.7	555	1.0	0.4
Mar-16-2006	4,330	11.3	7.8	467	0.7	0.3
Mar-23-2006	4,240	12.5	7.9	477	0.8	0.3
Mar-30-2006	4,960	12.1	7.7	421	0.7	0.4

PRELIMINARY RESULTS

Table 20. Summary of fathead minnow (*Pimephales promelas*) larvae survival in 7-day tests using water samples collected from April 2005 to March 2006. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 33 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	%	%	%	%	%	%
Apr-2005	95	100	95	93	100	90
May-2005	100	98	93	100	83	98
Jun-2005	100	93	98	95	90	95
Jul-2005	98	100	95	98	80	93
Aug-2005	93	95	95	95	100	98
Sep-2005	100	100	100	98	93	95
Oct-2005	90	93	98	100	90	100
Nov-2006	98	95	90	98	95	98
Dec-2006	95	28*	55*	63	95	98
Jan-2006	100	95	95	100	73	100
Feb-2006	98	95	98	100	100	100
Mar-2006	93	95	98	90	98	95

Table 21. Summary of fathead minnow (*Pimephales promelas*) larvae growth in 7-day tests using water samples collected from April 2005 to March 2006. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 33 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	mg	mg	mg	mg	mg	mg
Apr-2005	0.42	0.40	0.44	0.42	0.38	0.29
May-2005	0.40	0.46	0.39	0.43	0.29	0.42
Jun-2005	0.51	0.50	0.50	0.50	0.47	0.36
Jul-2005	0.39	0.39	0.35	0.33	0.35	0.39
Aug-2005	0.52	0.56	0.60	0.51	0.48	0.42
Sep-2005	0.54	0.04	0.45	0.45	0.42	0.38
Oct-2005	0.38	0.41	0.41	0.36	0.39	0.40
Nov-2006	0.31	0.32	0.30	0.29	0.31	0.31
Dec-2006	0.36	0.12*	0.23	0.25	0.33	0.31
Jan-2006	0.47	0.43	0.46	0.43	0.35	0.36
Feb-2006	0.39	0.39	0.42	0.42	0.31	0.28
Mar-2006	0.49	0.45	0.45	0.45	0.46	0.40

Table 22. Summary of *Daphnia magna* survival in 7-day tests using water samples collected from April 2005 to March 2006. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 33 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	%	%	%	%	%	%
Apr-2005	90	90	100	90	90	100
May-2005	90	90	100	100	90	90
Jun-2005	90	90	80	90	80	100
Jul-2005	90	100	80	90	80	90
Aug-2005	100	100	100	80	80	70†
Sep-2005	90	90	100	80	20†	30†
Oct-2005	30*	80	78	100	90	80
Nov-2006	80	80	100	90	100	100
Dec-2006	100	80	70	70	80	100
Jan-2006	90	90	80	80	80	100
Feb-2006	100	100	100	100	100	50†
Mar-2006	100	90	80	80	80	100

PRELIMINARY RESULTS

Table 23. Summary of *Daphnia magna* reproduction in 7-day tests using water samples collected from April 2005 to March 2006. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 33 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	neonates per female	neonates per female	neonates per female	neonates per female	neonates per female	neonates per female
Apr-2005	26.4	35.9	42.3	37.1	30.4	27.0
May-2005	39.8	38.6	45.5	36.1	34.1	40.9
Jun-2005	41.8	35.1	36.8	42.5	30.7	31.9
Jul-2005	41.8	49.4	43.1	45.5	39.6	34.0
Aug-2005	29.3	36.1	32.5	29.4	22.1	21.0
Sep-2005	11.4	11.0	12.0	10.8	5.3†††	7.8†††
Oct-2005	11.7*	28.3	23.9	25.7	24.5	22.6
Nov-2006	17.8	16.1	16.7	15.7	16.9	17.0
Dec-2006	19.0	17.4	14.9	13.4	19.8	22.4
Jan-2006	32.2	29.6	33.1	24.7	25.3	26.6
Feb-2006	30.7	34.8	34.9	30.8	32.0	13.2
Mar-2006	39.0	33.0	28.2	28.8	31.5	33.9

Table 24. Summary of *Selenastrum capricornutum* growth in 4-day tests using water samples collected from April 2005 to March 2006. Each value is the mean of 4 replicates.

See Table 33 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	10 ⁵ cells/mL	10 ⁵ cells/mL	10 ⁵ cells/mL	10 ⁵ cells/mL	10 ⁵ cells/mL	10 ⁵ cells/mL
Apr-2005	17.4	25.6	21.1	19.6	19.2	24.5
May-2005	24.0	23.5	24.5	19.7	16.1	30.4
Jun-2005	21.4	17.8	21.2	14.6	16.3	20.6
Jul-2005	10.0*	13.0	7.4*	7.7*	11.9	13.0
Aug-2005	6.1*	21.0	7.3*	22.9	16.7	18.2
Sep-2005	21.5	23.1	25.0	28.3	21.6	22.4
Oct-2005	18.3	14.8	17.1	17.4	9.1	17.5
Nov-2006	17.7	22.3	22.8	19.0	15.6	18.1
Dec-2006	13.8*	26.9	37.2	21.1	22.1	23.4
Jan-2006	8.9*	27.5	29.5	24.3	22.5	25.5
Feb-2006	8.3*	12.6	5.9*	1.7*	12.8	23.8
Mar-2006	17.4	24.2	25.0	24.0	15.4	23.9

PRELIMINARY RESULTS

Table 25. Summary of selenium concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, January 2006 to March 2006.

See Table 23 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal
DATA SOURCE	SLDMWA/USBR	SLDMWA/USBR	SLDMWA/USBR	SLDMWA/USBR	SLDMWA/USBR
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-16-2006	79	<0.4	21	<0.4	<0.4
Jan-18-2006	71	<0.4	20	<0.4	<0.4
Jan-20-2006	69	<0.4	21	<0.4	<0.4
Feb-13-2006	53	0.5	21	0.7	0.4
Feb-15-2006	49	<0.4	18	0.6	<0.4
Feb-17-2006	38	0.4	17	0.9	0.6
Mar-13-2006	63	0.6	10	0.8	<0.4
Mar-15-2006	55	0.6	10	0.8	<0.4
Mar-17-2006	51	0.6	10	0.8	<0.4

Table 26. Summary of total suspended solids concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, January 2006 to March 2006.

See Table 27 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L
Jan-16-2006	39	27	46	39	13
Jan-18-2006	40	40	42	30	14
Jan-20-2006	57	95	11	44	11
Feb-13-2006	61	52	59	129	22
Feb-15-2006	78	42	53	66	20
Feb-17-2006	80	38	48	56	27
Mar-13-2006	44	83	78	67	10
Mar-15-2006	61	92	75	67	17
Mar-17-2006	53	124	91	53	17

PRELIMINARY RESULTS

Table 27. Monthly Flow and Salinity of Water at San Luis Drain, Station B.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station B		Salinity at Station B		
	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
Apr-2005	36	2,120	5,200	3,848	11,095
May-2005	42	2,580	4,640	3,434	12,048
Jun-2005	46	2,760	3,960	2,930	11,000
Jul-2005	47	2,860	4,200	3,108	12,089
Aug-2005	50	3,070	3,950	2,923	12,204
Sep-2005	30	1,790	4,140	3,064	7,458
Oct-2005	20	1,220	4,460	3,300	5,490
Nov-2005	22	1,320	4,610	3,411	6,100
Dec-2005	25	1,520	4,150	3,071	6,360
Jan-2006	55	3,370	4,350	3,219	14,750
Feb-2006	49	2,730	4,630	3,426	12,720
Mar-2006	46	2,820	4,990	3,693	14,160

Note: EC to TDS conversion = 0.74

Water Year Averages and Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
WY 1997	52	37,549	4,257	3,150	160,880
WY 1998	64	45,940	4,439	3,284	205,210
WY 1999	45	32,310	4,650	3,441	151,190
WY 2000	43	31,260	4,301	3,183	135,300
WY 2001	39	28,254	4,191	3,101	119,170
WY 2002	39	28,400	4,069	3,011	116,300
WY 2003	38	27,140	4,318	3,196	117,950
WY 2004	38	27,700	4,173	3,088	116,320
WY 2005	38	34,280	4,334	3,207	149,520
WY 2006 to date	36	12,990	4,532	3,353	59,240

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
CY 1997	52	37,480	4,354	3,222	164,220
CY 1998	64	46,240	4,563	3,377	212,360
CY 1999	45	32,250	4,532	3,354	147,090
CY 2000	42	30,210	4,189	3,100	127,360
CY 2001	39	28,010	4,200	3,108	118,380
CY 2002	39	28,480	4,155	3,075	119,100
CY 2003	38	27,420	4,281	3,168	118,140
CY 2004	39	28,300	4,129	3,056	117,600
CY 2005	41	29,650	4,422	3,272	131,940
CY 2006 to date	50	8,920	4,657	3,446	41,800

Note: All totals and averages calculated from USGS preliminary data.

PRELIMINARY RESULTS

Table 28. Monthly Flow and Salinity of Water at Mud Slough, Station D.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station D		Salinity at Station D		
	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
Apr-2005	92	5,490	3,290	2,270	16,949
May-2005	84	5,190	3,270	2,256	15,926
Jun-2005	86	5,090	2,940	2,029	14,043
Jul-2005	78	4,800	3,080	2,125	13,873
Aug-2005	69	4,320	3,060	2,111	12,405
Sep-2005	59	3,490	2,500	1,725	8,188
Oct-2005	156	9,580	5,100	3,519	12,500
Nov-2005	174	10,350	4,980	3,436	16,190
Dec-2005	221	13,570	4,090	2,822	22,510
Jan-2006	291	17,890	2,120	1,463	35,590
Feb-2006	155	8,590	2,740	1,891	22,090
Mar-2006	247	15,160	2,470	1,704	35,140

Note: EC to TDS conversion = 0.69

Water Year Averages and Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
WY 1997	181	130,930	2,390	1,649	293,650
WY 1998	257	182,580	2,600	1,794	445,510
WY 1999	141	101,360	2,582	1,781	245,560
WY 2000	131	94,440	2,496	1,722	221,160
WY 2001	129	92,871	2,737	1,889	238,540
WY 2002	104	75,277	2,809	1,938	198,460
WY 2003	122	87,913	2,688	1,855	221,790
WY 2004	120	87,202	2,704	1,866	221,280
WY 2005	160	144,100	2,349	1,621	317,680
WY 2006 to date	207	75,140	2,027	1,398	142,900

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
CY 1997	174	125,450	2,471	1,705	290,870
CY 1998	258	183,320	2,559	1,766	440,290
CY 1999	137	98,740	2,589	1,786	239,840
CY 2000	133	96,070	2,467	1,703	222,440
CY 2001	123	88,890	2,768	1,910	230,900
CY 2002	111	79,990	2,828	1,951	212,250
CY 2003	119	85,740	2,620	1,808	210,830
CY 2004	121	87,970	2,738	1,889	226,050
CY 2005	160	115,030	2,512	1,733	271,120
CY 2006 to date	231	41,640	2,443	1,686	95,470

Note: All totals and averages calculated from USGS preliminary data.

PRELIMINARY RESULTS

Table 29. Monthly Flow and Salinity of Water at Salt Slough, Station F.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station F		Salinity at Station F		
	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
Apr-2005	249	14,800	1,420	966	19,436
May-2005	190	11,690	1,260	857	13,622
Jun-2005	195	11,620	920	626	9,886
Jul-2005	206	12,680	880	598	10,319
Aug-2005	179	11,020	890	605	9,070
Sep-2005	144	8,560	960	653	7,600
Oct-2005	130	8,010	1,120	762	8,280
Nov-2005	176	10,610	1,260	857	12,410
Dec-2005	193	11,880	1,590	1,081	17,450
Jan-2006	291	17,880	1,790	1,217	29,600
Feb-2006	313	17,370	1,240	843	19,920
Mar-2006	377	23,200	1,540	1,047	33,040

Note: EC to TDS conversion = 0.68

Water Year Averages and Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
WY 1997	216	156,091	1,295	880	186,860
WY 1998	273	196,090	1,387	943	251,480
WY 1999	211	151,767	1,192	811	167,300
WY 2000	195	141,061	1,314	894	171,460
WY 2001	185	133,892	1,340	911	165,860
WY 2002	146	104,873	1,460	993	141,580
WY 2003	176	127,583	1,334	907	157,420
WY 2004	170	123,332	1,296	881	147,810
WY 2005	206	185,790	1,278	869	219,580
WY 2006 to date	247	88,950	1,423	968	117,080

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
CY 1997	205	147,950	1,356	922	185,480
CY 1998	281	201,360	1,292	879	240,590
CY 1999	205	147,390	1,255	853	171,040
CY 2000	194	140,370	1,284	873	166,740
CY 2001	181	131,120	1,399	951	169,610
CY 2002	161	116,310	1,418	964	152,490
CY 2003	163	117,660	1,342	912	145,980
CY 2004	171	123,500	1,284	873	146,670
CY 2005	224	161,740	1,260	857	188,470
CY 2006 to date	327	58,450	1,523	1,036	82,340

Note: All totals and averages calculated from USGS preliminary data.

PRELIMINARY RESULTS

Table 30. Monthly Flow and Salinity of Water at San Joaquin River at Fremont Ford, Station G.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station N		Salinity at Station N		
	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	$\mu\text{S/cm}$	mg/L	tons
Apr-2005	831	49,460	1,110	688	46,290
May-2005	1,700	104,220	250	155	21,970
Jun-2005	1,880	111,980	220	136	20,770
Jul-2005	375	23,030	990	614	19,220
Aug-2005	247	15,180	1,010	626	12,930
Sep-2005	185	11,000	1,010	626	9,370
Oct-2005	172	10,580	1,100	682	9,810
Nov-2005	222	13,200	1,230	763	13,690
Dec-2005	288	17,680	1,400	868	20,870
Jan-2006	772	47,460	870	539	34,820
Feb-2006	243	13,510	1,370	849	15,610
Mar-2006	1,049	64,510	780	484	42,430

Note: EC to TDS conversion = 0.62

Water Year Averages and Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	$\mu\text{S/cm}$	mg/L	tons
WY 1997	na	na	1,047	649	na
WY 1998	na	na	703	436	na
WY 1999	na	na	1,138	706	na
WY 2000	na	na	1,321	819	na
WY 2001	na	na	1,514	938	na
WY 2002	221	133,266	1,494	926	167,870
WY 2003	216	145,108	1,492	925	182,490
WY 2004	224	161,771	1,493	925	203,580
WY 2005	757	683,530	969	601	558,290
WY 2006 to date	458	166,940	1,125	698	158,360

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	$\mu\text{S/cm}$	mg/L	tons
CY 1997	na	na	1,202	745	na
CY 1998	na	na	512	317	na
CY 1999	na	na	1,342	832	na
CY 2000	na	na	1,285	797	na
CY 2001	na	na	1,558	966	na
CY 2002	226	163,100	1,444	896	198,640
CY 2003	194	129,490	1,533	951	167,430
CY 2004	238	172,020	1,434	889	208,020
CY 2005	898	647,700	873	541	476,960
CY 2006 to date	688	125,480	1,007	624	106,510

Note: All totals and averages calculated from USGS preliminary data.

PRELIMINARY RESULTS

Table 31. Monthly Flow and Salinity of Water at San Joaquin River at Crow's Landing, Station N.

See Table 33 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station N		Salinity at Station N		
	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
Apr-2005	3,900	232,290	510	316	99,892
May-2005	4,280	263,390	310	192	68,848
Jun-2005	4,940	294,210	320	198	79,385
Jul-2005	1,860	102,230	680	422	58,616
Aug-2005	1,240	76,090	710	440	45,553
Sep-2005	1,220	72,430	630	391	38,476
Oct-2005	939	57,760	800	496	39,280
Nov-2005	804	47,850	1,030	639	41,650
Dec-2005	1,210	74,290	850	527	53,550
Jan-2006	4,060	249,680	480	298	101,050
Feb-2006	1,840	102,350	820	508	70,770
Mar-2006	4,150	255,100	480	298	103,250

Note: EC to TDS conversion = 0.62

Water Year Averages and Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
WY 1997	5,408	3,844,270	820	508	2,656,670
WY 1998	6,868	4,904,910	601	373	2,487,010
WY 1999	1,412	1,015,350	902	559	772,310
WY 2000	1,417	1,027,480	976	605	845,940
WY 2001	903	653,425	1,162	720	640,090
WY 2002	740	533,963	1,202	745	541,260
WY 2003	754	546,117	1,244	771	572,690
WY 2004	764	554,549	1,228	761	574,050
WY 2005	2,095	1,900,310	756	469	1,211,370
WY 2006 to date	2,167	787,030	743	461	493,290

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µ S/cm	mg/L	tons
CY 1997	5,063	3,590,370	975	604	2,950,960
CY 1998	7,086	5,064,280	453	281	1,934,050
CY 1999	1,206	864,520	1,017	631	741,600
CY 2000	1,460	1,059,220	905	561	808,440
CY 2001	882	638,210	1,174	728	632,000
CY 2002	725	523,240	1,235	766	544,910
CY 2003	721	521,460	1,259	781	553,720
CY 2004	789	572,780	1,213	752	585,600
CY 2005	2,419	1,754,580	696	431	1,029,460
CY 2006 to date	3,350	607,130	593	368	303,750

Note: All totals and averages calculated from USGS preliminary data.

PRELIMINARY RESULTS

Table 32. Summary of sediment monitoring results from September 2003 to March 2006. Concentrations in µg/g dry weight.

See Table 33 for explanation of footnotes and agency abbreviations.										
Station Code	PARAMETER	Selenium			Organic Carbon			Percent Moisture		
Station Name	DEPTH	0-3 cm	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core
	SOURCE	USBR	USBR	USBR	USBR	USBR	USBR	USBR	USBR	USBR
	UNITS	µg/g (dry)	µg/g (dry)	µg/g (dry)	%	%	%	%	%	%
Station C:	Sep-30-2003	0.10	0.10	<0.10	0.38	0.39	0.08	28.25	24.60	53.10
Mud Slough North	Nov-06-2003	<0.10	<0.10	0.10	0.48	0.15	0.25	30.30	26.93	22.84
upstream of	Mar-15-2004	<0.10	<0.10	0.18	0.17	0.17	0.25	32.08	21.04	27.11
drainage discharges	Jun-09-2004	<0.10	0.10	0.17	0.17	0.18	0.22	28.14	27.05	29.12
	Sep-15-2004	<0.10	<0.10	0.13	0.14	0.15	0.23	22.60	17.30	27.00
	Nov-01-2004	<0.10	<0.10	<0.10	0.11	0.09	0.15	25.60	19.70	20.30
	Mar-08-2005	0.11	<0.10	0.29	0.33	0.24	0.77	30.80	31.10	36.00
	Jun-15-2005	<0.10	<0.10	<0.10	0.23	0.10	0.32	25.70	61.90	30.80
	Sep-12-2005	0.13	<0.10	<0.10	0.38	0.44	0.26	26.10	29.90	31.10
	Nov-01-2005	<0.10	<0.10	<0.10	0.24	0.17	0.11	31.10	28.00	20.30
	Apr-21-2006	0.54	0.54	0.47	1.41	1.58	0.95	45.20	41.80	33.80
Station D:	Sep-30-2003	0.25	0.12	0.20	0.10	0.16	0.20	26.40	22.10	25.30
Mud Slough North	Nov-06-2003	0.21	0.25	0.21	0.06	0.12	0.15	16.58	17.90	22.67
downstream of	Mar-16-2004	0.19	0.23	0.20	0.10	0.34	0.11	27.69	21.51	22.65
drainage discharges	Jun-09-2004	0.25	0.25	0.14	0.15	0.14	0.13	22.13	21.19	18.77
	Sep-15-2004	0.35	0.22	0.21	0.12	0.12	0.10	25.40	18.60	18.80
	Nov-01-2004	0.22	0.21	0.18	0.08	0.09	0.10	16.50	22.80	17.90
	Mar-08-2005	0.13	0.17	0.14	0.16	0.14	0.13	24.90	23.50	22.50
	Jun-15-2005	0.16	<0.10	0.30	0.15	0.14	0.20	24.30	24.50	27.80
	Sep-12-2005	0.26	0.17	0.35	0.23	0.13	0.19	31.10	23.00	27.50
	Nov-01-2005	0.19	0.19	0.23	0.09	0.11	0.20	26.10	24.50	22.90
	Apr-21-2006	NA	NA	NA	NA	NA	NA	NA	NA	NA
Station E:	Sep-30-2003	0.40	0.37	1.70	0.11	0.22	0.68	20.90	27.50	40.60
Mud Slough at Highway 140	Nov-06-2003	1.20	0.51	0.60	0.07	0.80	0.75	26.59	35.70	37.09
	Mar-16-2004	1.20	1.50	0.90	0.59	0.92	0.52	40.92	41.81	40.07
	Jun-07-2004	0.52	0.21	0.47	0.30	0.19	0.30	30.83	19.29	26.96
	Sep-15-2004	0.63	0.55	0.43	0.21	0.22	0.14	27.60	28.60	23.90
	Nov-01-2004	0.79	0.78	0.35	0.25	0.30	0.16	31.20	21.30	18.90
	Mar-01-2005	0.40	0.66	0.68	0.65	0.87	0.98	44.70	33.30	41.70
	Jun-15-2005	0.42	0.42	0.53	0.17	0.31	0.26	28.60	29.90	29.80
	Sep-12-2005	0.90	0.60	0.80	0.34	0.25	0.27	33.50	31.30	29.30
	Nov-01-2005	0.43	0.55	0.47	0.16	0.26	0.16	28.80	27.40	26.10
	Apr-21-2006	NA	NA	NA	NA	NA	NA	NA	NA	NA
Station F:	Sep-30-2003	0.28	0.46	0.52	0.31	0.25	0.21	27.30	18.90	20.80
Salt Slough at Highway 165	Nov-06-2003	0.41	0.64	0.61	0.17	0.36	0.16	28.21	28.60	29.27
	Mar-15-2004	0.44	0.40	0.63	0.27	0.21	0.42	29.08	28.77	21.90
	Jun-07-2004	0.19	0.18	0.29	0.40	0.38	0.26	29.14	31.77	30.50
	Sep-15-2004	0.38	0.64	0.47	0.24	0.17	0.12	28.40	29.60	24.50
	Nov-01-2004	0.34	0.45	0.55	0.22	0.21	0.35	25.30	26.20	21.90
	Mar-01-2005	0.34	0.30	0.38	0.74	0.49	0.71	31.90	40.70	28.90
	Jun-14-2005	1.50	0.62	0.26	1.18	0.61	0.45	44.00	37.10	32.40
	Sep-12-2005	0.28	0.21	0.36	0.37	0.23	0.16	29.10	28.90	21.70
	Nov-01-2005	0.29	0.44	0.48	0.25	0.41	0.26	27.40	26.90	27.00
	Apr-21-2006	0.74	0.19	0.32	1.24	0.27	0.53	33.80	25.40	29.30
Station I2:	Sep-30-2003	7.90	6.10	5.20	1.84	1.59	1.58	50.70	49.80	50.70
Mud Slough:	Nov-06-2003	7.20	7.80	5.90	2.01	1.78	1.71	55.71	53.14	50.04
Seasonal backwater tributary	Mar-15-2004	4.70	4.20	3.00	2.22	2.59	1.92	55.68	56.92	48.70
	Jun-09-2004	2.70	3.00	5.30	1.24	1.28	1.72	48.61	46.61	51.49
	Sep-15-2004	7.40	6.30	5.20	2.24	2.45	2.71	NA	24.00	32.20
	Nov-01-2004	7.00	4.90	2.90	2.20	2.52	2.32	50.40	51.90	54.50
	Mar-09-2005	2.00	1.20	1.50	1.69	1.12	1.68	44.50	34.80	40.00
	Jun-15-2005	4.70	4.50	6.40	2.08	1.67	1.92	67.20	55.80	54.60
	Sep-12-2005	4.40	5.30	5.40	1.88	1.88	1.93	31.90	32.40	39.10
	Nov-01-2005	6.30	5.80	2.60	2.45	2.62	1.78	55.10	54.20	52.10
	Apr-21-2006	2.20	1.80	1.20	1.93	1.55	1.00	43.60	36.60	34.40

Table 33. Explanations of footnotes and agency abbreviations.

Footnote	Explanation
CVRWQCB	California Regional Water Quality Control Board, Central Valley Region
SLDMWA	San Luis & Delta-Mendota Water Authority
USBR	U.S. Bureau of Reclamation
USGS	U.S. Geological Survey
e	Estimated value
.	Not applicable
<	Less than MDL. If needed in calculation, use 1/2 MDL
NA	Not analyzed - operator error, data will not be available in the future
NP	Not Provided. Data may be available in the future.
NT	Not tested
P	Pending, data not available at this time but will be available in the future
*	Significantly reduced from Delta Mendota Canal ($p < 0.05$)
**	Sample re-analyzed and result confirmed.
†	DMC/Lab CI water failed to meet the survival (>80%) acceptability criteria.
††	Data from records of the Grassland Water District. Data is not subjected to the criteria documented in the Compliance Monitoring Program for the Use and Operation of the Grassland Bypass Project (1996) nor the Quality Assurance Project Plan for the GBP (1997 draft).
†††	DMC water failed to meet the reproduction (>10 neonates/adult) acceptability criteria.
††††	DMC water failed to meet minimum growth (10^6 cell/mL) acceptability criteria.
‡	Control value exceeds suggested maximum variance (20%) acceptability criteria.
‡‡	Fungal growth observed on test organisms.
#	New testing laboratory with reporting limit of 0.4 µg/L as of June 1998.
✓	Based on definitive bioassay, NOEC is 50 percent
S	Source
EC	Electrical conductivity
FW	Flow-weighted average concentration
G	US Geological Survey published data
L	Lawrence Berkeley Laboratory 15 minute flow and EC data
TDS	Total dissolved solids