

GRASSLAND BYPASS PROJECT

QUARTERLY DATA REPORT

July, August and September 2007

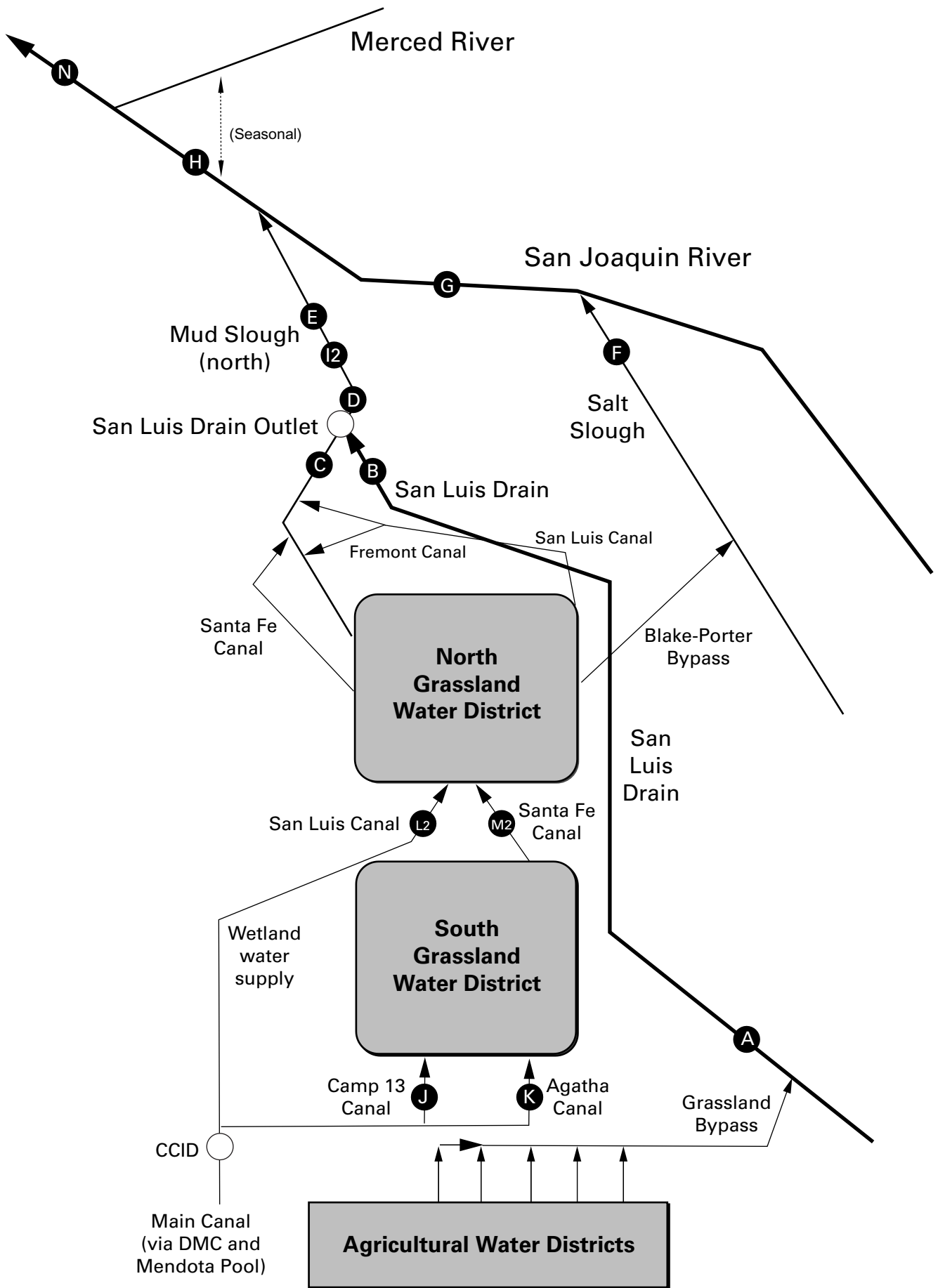
March 2008

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





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PRELIMINARY RESULTS

Table 1. Continuous water monitoring at Station A (inflow to San Luis Drain), July, August, September 2007.

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	July	July	August	August	September	September
Day 1	21	4,110	21	3,930	12	3,930
Day 2	22	4,240	17	3,710	13	3,800
Day 3	26	3,990	16	3,770	10	3,770
Day 4	28	3,790	18	3,970	10	4,110
Day 5	29	3,870	15	4,240	12	4,330
Day 6	29	3,620	15	4,280	13	3,740
Day 7	22	4,220	15	4,250	11	4,080
Day 8	21	4,140	15	4,270	10	4,250
Day 9	22	4,650	15	4,250	10	4,250
Day 10	24	4,310	16	4,380	10	4,270
Day 11	21	3,970	22	4,310	10	4,320
Day 12	20	3,940	21	4,160	9	4,350
Day 13	22	3,860	17	4,260	10	4,430
Day 14	25	3,610	18	3,850	11	4,010
Day 15	31	3,300	20	3,760	12	3,950
Day 16	33	3,030	18	3,680	12	4,610
Day 17	27	3,280	21	3,360	15	5,100
Day 18	27	3,250	20	3,190	14	5,290
Day 19	24	3,610	16	3,320	13	4,750
Day 20	24	3,810	15	3,640	11	4,250
Day 21	27	3,640	13	3,960	10	4,310
Day 22	32	3,350	13	4,110	11	4,250
Day 23	*	3,930	15	3,560	9	3,980
Day 24	*	3,890	12	4,310	7	4,740
Day 25	*	4,030	10	4,320	7	5,020
Day 26	*	4,030	10	4,140	7	5,140
Day 27	*	4,450	9	4,030	7	5,240
Day 28	16	4,170	10	4,180	7	5,200
Day 29	22	4,190	12	4,120	6	5,240
Day 30	16	3,670	12	4,210	6	5,310
Day 31	16	4,440	12	3,920	.	.
Mean	24.1	3,880	15.5	3,980	10.2	4,470

PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), July 2007.

See Table 27 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*	USGS	CVRWQCB	CVRWQCB	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Jul-01-2007	20	27.1	7.1	4,250	30.8	3.4
Jul-02-2007	20	27.2	6.6	4,110	32.5	3.5
Jul-03-2007	21	28.3	6.6	4,180	34.2	3.8
Jul-04-2007	24	29.7	5.9	3,780	29.3	3.7
Jul-05-2007	27	31.6	6.1	3,950	30.6	4.5
Jul-06-2007	28	32.7	6.2	3,930	29.8	4.5
Jul-07-2007	28	31.3	6.2	3,990	31.9	4.8
Jul-08-2007	23	30.7	5.8	3,700	28.4	3.5
Jul-09-2007	21	30.3	5.5	3,560	26.5	3.0
Jul-10-2007	21	28.8	6.0	3,740	29.7	3.3
Jul-11-2007	23	27.9	5.2	3,400	26.7	3.3
Jul-12-2007	22	27.5	5.2	3,390	26.0	3.1
Jul-13-2007	20	27.5	7.2	3,940	32.0	3.5
Jul-14-2007	21	28.0	7.3	4,040	32.0	3.6
Jul-15-2007	22	28.3	7.7	4,330	36.1	4.3
Jul-16-2007	27	28.1	7.4	4,080	33.4	4.8
Jul-17-2007	29	27.7	6.8	3,850	27.7	4.4
Jul-18-2007	25	27.9	6.4	3,630	25.1	3.4
Jul-19-2007	25	26.8	6.0	3,340	23.8	3.2
Jul-20-2007	27	26.6	5.9	3,230	22.0	3.2
Jul-21-2007	25	27.0	5.3	3,000	20.2	2.7
Jul-22-2007	22	27.6	5.6	3,120	20.4	2.4
Jul-23-2007	14	27.7	5.2	2,970	18.6	1.4
Jul-24-2007	3	27.3	5.7	3,120	19.5	0.3
Jul-25-2007	2	27.4	5.6	3,160	21.2	0.2
Jul-26-2007	2	27.0	5.8	3,150	19.9	0.3
Jul-27-2007	15	27.7	5.4	3,360	20.1	1.6
Jul-28-2007	13	27.8	5.6	3,600	21.9	1.5
Jul-29-2007	12	27.5	6.3	3,720	23.6	1.6
Jul-30-2007	13	27.8	6.2	3,770	24.7	1.7
Jul-31-2007	24	28.3	5.6	3,540	21.5	2.8
Mean	20	28.3	6.1	3,640	26.5	2.9
Total Acre-feet	1,220					
Total (lbs)						91
Load Limitation for July 2007 (lbs)						185

PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), August 2007.

See Table 27 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*	USGS	CVRWQCB	CVRWQCB	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Aug-01-2007	20	28.3	5.4	3,510	22.4	2.5
Aug-02-2007	17	28.1	5.8	3,820	26.6	2.5
Aug-03-2007	26	28.3	5.9	3,890	25.4	3.6
Aug-04-2007	21	28.3	6.3	3,960	28.8	3.3
Aug-05-2007	16	27.3	6.4	4,170	30.2	2.6
Aug-06-2007	15	26.2	6.1	4,090	28.0	2.2
Aug-07-2007	22	25.6	5.7	3,800	24.2	2.8
Aug-08-2007	22	25.8	6.4	4,050	25.3	3.0
Aug-09-2007	15	25.9	5.2	3,470	22.0	1.8
Aug-10-2007	15	26.3	6.1	3,670	26.4	2.2
Aug-11-2007	15	26.2	6.5	3,640	27.5	2.2
Aug-12-2007	19	25.5	6.8	3,880	25.4	2.6
Aug-13-2007	21	25.4	7.3	4,200	28.7	3.2
Aug-14-2007	17	25.7	7.5	4,080	28.2	2.6
Aug-15-2007	17	26.1	7.5	4,160	27.7	2.5
Aug-16-2007	20	25.9	7.2	4,090	28.5	3.1
Aug-17-2007	21	25.6	7.3	4,130	26.5	3.1
Aug-18-2007	20	25.3	7.2	4,070	31.2	3.4
Aug-19-2007	19	25.3	7.1	4,080	29.5	3.1
Aug-20-2007	18	25.7	6.7	3,900	25.8	2.4
Aug-21-2007	15	26.9	6.4	3,800	23.3	1.9
Aug-22-2007	14	27.8	6.1	3,610	21.8	1.6
Aug-23-2007	12	28.2	6.4	3,710	21.4	1.3
Aug-24-2007	14	28.3	6.7	3,736	20.6	1.5
Aug-25-2007	12	28.0	6.2	3,452	19.3	1.3
Aug-26-2007	10	27.4	5.6	3,538	21.5	1.2
Aug-27-2007	10	27.4	5.7	3,466	22.6	1.2
Aug-28-2007	9	27.4	P	3,688	22.6	1.1
Aug-29-2007	10	28.3	5.6	4,048	22.5	1.2
Aug-30-2007	11	29.2	6.2	3,961	26.3	1.6
Aug-31-2007	12	29.0	6.5	4,490	27.2	1.8
Mean	16	26.9	6.4	3,880	25.4	2.3
Total Acre-feet	1,000					
Total (lbs)						70

Load Limitation for August 2007 (lbs)	195
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PRELIMINARY RESULTS

Table 2a. Continuous water monitoring at Stations B and B2 (San Luis Drain Terminus), September 2007

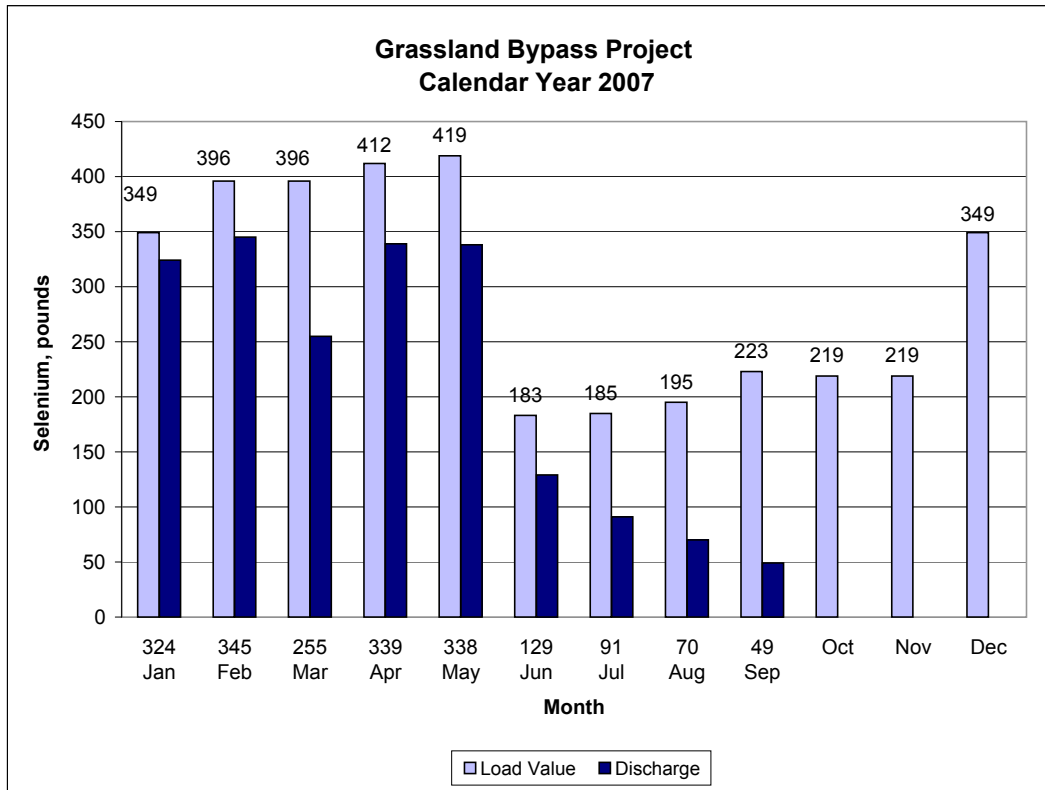
See Table 27 for explanation of footnotes and agency abbreviations.

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
Sep-01-2007	12	28.7	7.5	4,260	25.6	1.6
Sep-02-2007	12	27.8	7.4	4,090	21.7	1.4
Sep-03-2007	13	27.3	8.8	4,620	25.3	1.7
Sep-04-2007	11	26.7	8.5	4,580	26.5	1.6
Sep-05-2007	10	25.4	8.4	4,430	24.1	1.3
Sep-06-2007	12	24.4	8.4	4,290	21.6	1.4
Sep-07-2007	13	24.6	8.2	4,550	22.6	1.6
Sep-08-2007	14	24.7	8.2	4,390	20.6	1.5
Sep-09-2007	12	25.2	7.3	4,150	20.6	1.4
Sep-10-2007	12	25.2	7.1	4,060	19.8	1.3
Sep-11-2007	13	25.6	7.1	3,840	17.3	1.2
Sep-12-2007	14	25.3	7.0	3,830	16.8	1.2
Sep-13-2007	13	24.4	7.8	4,120	18.0	1.3
Sep-14-2007	13	23.9	7.4	3,880	16.8	1.2
Sep-15-2007	14	23.7	7.0	3,600	13.9	1.0
Sep-16-2007	14	23.6	7.6	3,770	14.5	1.1
Sep-17-2007	14	23.2	7.6	3,820	14.2	1.1
Sep-18-2007	17	23.3	7.2	3,800	14.0	1.3
Sep-19-2007	17	21.0	6.7	3,910	15.2	1.4
Sep-20-2007	17	19.1	7.4	3,890	14.8	1.4
Sep-21-2007	16	19.1	NA	NA	13.6	1.1
Sep-22-2007	16	19.3	P	3,670	12.3	1.0
Sep-23-2007	16	19.7	P	3,940	33.2	2.9
Sep-24-2007	14	19.9	P	4,300	48.7	3.8
Sep-25-2007	13	20.3	P	4,600	53.4	3.7
Sep-26-2007	12	21.0	P	4,480	49.0	3.2
Sep-27-2007	12	21.3	P	4,060	31.6	2.0
Sep-28-2007	11	21.3	P	3,750	21.7	1.3
Sep-29-2007	11	20.0	P	3,560	19.7	1.2
Sep-30-2007	13	19.5	P	3,540	21.7	1.6
.
Mean	13	23.1	7.6	4,060	22.7	1.6
Total Acre-feet	790					
Total (lbs)						49

Load Limitation for September 2007 (lbs)	223
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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), July 2007.**

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
Jul-01-2007	19	24.4	4,020
Jul-02-2007	18	24.5	3,940
Jul-03-2007	18	25.5	4,110
Jul-04-2007	20	26.8	4,030
Jul-05-2007	22	28.6	3,800
Jul-06-2007	22	29.4	3,960
Jul-07-2007	24	28.4	3,870
Jul-08-2007	22	28.0	3,480
Jul-09-2007	23	27.8	3,110
Jul-10-2007	28	26.0	2,570
Jul-11-2007	30	25.9	2,640
Jul-12-2007	28	25.7	2,630
Jul-13-2007	29	25.9	2,580
Jul-14-2007	36	26.4	2,360
Jul-15-2007	38	26.6	2,430
Jul-16-2007	42	26.5	2,350
Jul-17-2007	51	26.3	2,170
Jul-18-2007	54	26.5	2,210
Jul-19-2007	51	25.3	2,270
Jul-20-2007	44	25.4	2,460
Jul-21-2007	34	26.1	2,740
Jul-22-2007	33	26.6	2,460
Jul-23-2007	29	26.1	2,030
Jul-24-2007	23	27.5	1,580
Jul-25-2007	12	26.7	1,860
Jul-26-2007	9	25.8	2,310
Jul-27-2007	16	26.4	3,050
Jul-28-2007	14	26.8	3,220
Jul-29-2007	15	26.5	3,180
Jul-30-2007	16	26.9	3,240
Jul-31-2007	25	27.4	3,150
Mean	27	26.5	2,900

PRELIMINARY RESULTS

**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), August 2007.**

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
Aug-01-2007	25	27.4	2,650
Aug-02-2007	21	27.4	2,790
Aug-03-2007	26	27.5	3,180
Aug-04-2007	23	27.5	3,250
Aug-05-2007	14	26.3	3,880
Aug-06-2007	13	25.4	4,110
Aug-07-2007	19	24.8	3,890
Aug-08-2007	21	25.1	3,590
Aug-09-2007	16	25.2	3,620
Aug-10-2007	15	25.7	3,320
Aug-11-2007	14	25.4	3,570
Aug-12-2007	17	24.9	3,830
Aug-13-2007	20	24.9	3,920
Aug-14-2007	18	25.2	4,130
Aug-15-2007	18	25.4	4,080
Aug-16-2007	20	25.3	4,050
Aug-17-2007	25	24.9	4,120
Aug-18-2007	38	24.6	3,090
Aug-19-2007	42	24.5	2,360
Aug-20-2007	38	25.6	2,240
Aug-21-2007	32	26.8	2,160
Aug-22-2007	22	27.6	2,540
Aug-23-2007	13	27.8	2,820
Aug-24-2007	19	27.5	2,520
Aug-25-2007	18	27.1	2,540
Aug-26-2007	13	26.7	2,890
Aug-27-2007	14	26.8	2,700
Aug-28-2007	17	27.0	2,130
Aug-29-2007	17	28.0	2,370
Aug-30-2007	16	28.0	3,280
Aug-31-2007	15	28.2	3,860
Mean	21	26.3	3,210

PRELIMINARY RESULTS

Table 3. Continuous water monitoring at Station D**(Mud Slough North downstream of drainage discharges), September 2007.**

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
Sep-01-2007	14	27.9	4,520
Sep-02-2007	14	27.0	4,310
Sep-03-2007	18	26.6	3,690
Sep-04-2007	32	25.2	2,110
Sep-05-2007	25	23.5	2,120
Sep-06-2007	33	23.5	1,860
Sep-07-2007	39	23.6	1,770
Sep-08-2007	29	23.8	2,150
Sep-09-2007	19	24.2	2,540
Sep-10-2007	19	24.4	2,540
Sep-11-2007	22	24.5	2,290
Sep-12-2007	27	24.1	1,960
Sep-13-2007	29	22.9	1,820
Sep-14-2007	26	22.7	2,030
Sep-15-2007	28	22.9	1,920
Sep-16-2007	27	22.5	1,940
Sep-17-2007	26	22.4	2,070
Sep-18-2007	28	22.2	2,290
Sep-19-2007	36	19.4	1,830
Sep-20-2007	24	18.4	2,330
Sep-21-2007	20	18.9	2,810
Sep-22-2007	31	18.7	2,480
Sep-23-2007	39	19.4	2,130
Sep-24-2007	45	19.9	1,950
Sep-25-2007	48	20.6	1,830
Sep-26-2007	56	21.4	1,720
Sep-27-2007	65	21.7	1,530
Sep-28-2007	64	20.8	1,430
Sep-29-2007	71	18.7	1,280
Sep-30-2007	84	18.5	1,210
.	.	.	.
Mean	35	22.3	2,220

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), July 2007.

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
Jul-01-2007	159	24.4	1,020
Jul-02-2007	160	24.4	994
Jul-03-2007	141	25.6	1,030
Jul-04-2007	145	27.1	989
Jul-05-2007	151	29.0	958
Jul-06-2007	135	29.8	965
Jul-07-2007	129	27.5	992
Jul-08-2007	139	26.5	965
Jul-09-2007	143	26.8	930
Jul-10-2007	140	25.5	920
Jul-11-2007	140	24.8	953
Jul-12-2007	157	24.9	978
Jul-13-2007	172	25.3	975
Jul-14-2007	150	26.3	995
Jul-15-2007	130	26.5	1,030
Jul-16-2007	137	26.5	998
Jul-17-2007	122	25.9	982
Jul-18-2007	114	25.9	1,050
Jul-19-2007	120	24.8	1,090
Jul-20-2007	132	24.9	1,100
Jul-21-2007	142	25.6	1,100
Jul-22-2007	129	26.4	1,100
Jul-23-2007	116	25.7	1,110
Jul-24-2007	121	26.3	1,140
Jul-25-2007	125	26.9	1,090
Jul-26-2007	111	26.2	1,150
Jul-27-2007	111	26.1	1,130
Jul-28-2007	126	26.3	1,150
Jul-29-2007	116	26.1	1,080
Jul-30-2007	115	26.4	1,030
Jul-31-2007	107	27.4	999
Mean	133	26.2	1,030

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), August 2007.

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
Aug-01-2007	76	27.1	1,110
Aug-02-2007	70	27.1	1,220
Aug-03-2007	77	27.4	1,280
Aug-04-2007	84	27.2	1,290
Aug-05-2007	104	25.8	1,190
Aug-06-2007	115	23.7	1,130
Aug-07-2007	130	23.4	1,070
Aug-08-2007	129	23.8	1,090
Aug-09-2007	123	24.5	1,070
Aug-10-2007	100	25.4	1,170
Aug-11-2007	93	25.1	1,240
Aug-12-2007	92	24.2	1,280
Aug-13-2007	100	24.3	1,210
Aug-14-2007	100	24.8	1,120
Aug-15-2007	95	25.3	1,150
Aug-16-2007	98	24.8	1,180
Aug-17-2007	83	24.3	1,160
Aug-18-2007	85	24.3	1,200
Aug-19-2007	81	24.2	1,200
Aug-20-2007	92	25.3	1,220
Aug-21-2007	87	26.8	1,200
Aug-22-2007	86	27.5	1,230
Aug-23-2007	78	27.5	1,250
Aug-24-2007	84	26.8	1,250
Aug-25-2007	80	26.5	1,220
Aug-26-2007	69	26.2	1,230
Aug-27-2007	72	26.4	1,330
Aug-28-2007	86	26.9	1,190
Aug-29-2007	68	28.4	1,240
Aug-30-2007	49	28.5	1,370
Aug-31-2007	41	28.2	1,430
Mean	88	25.9	1,210

PRELIMINARY RESULTS

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), September 2007.

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
Sep-01-2007	45	27.7	1,570
Sep-02-2007	59	26.3	1,440
Sep-03-2007	68	26.2	1,300
Sep-04-2007	55	25.3	1,300
Sep-05-2007	55	23.4	1,330
Sep-06-2007	49	23.9	1,370
Sep-07-2007	45	23.5	1,490
Sep-08-2007	42	23.7	1,560
Sep-09-2007	51	24.1	1,530
Sep-10-2007	52	24.3	1,430
Sep-11-2007	41	24.7	1,520
Sep-12-2007	42	23.9	1,680
Sep-13-2007	39	22.5	1,690
Sep-14-2007	42	22.5	1,750
Sep-15-2007	46	22.7	1,740
Sep-16-2007	70	22.1	1,510
Sep-17-2007	84	21.8	1,300
Sep-18-2007	83	21.8	1,200
Sep-19-2007	71	18.3	1,250
Sep-20-2007	75	17.5	1,330
Sep-21-2007	76	18.6	1,300
Sep-22-2007	76	18.6	1,370
Sep-23-2007	90	18.9	1,370
Sep-24-2007	101	19.8	1,300
Sep-25-2007	92	20.6	1,330
Sep-26-2007	90	21.3	1,320
Sep-27-2007	99	21.7	1,280
Sep-28-2007	81	20.1	1,380
Sep-29-2007	92	18.2	1,450
Sep-30-2007	102	18.2	1,490
.	.	.	.
Mean	67	22.1	1,430

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), July 2007.

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
Jul-01-2007	367	24.2	1,350	1.9
Jul-02-2007	380	24.2	1,250	1.7
Jul-03-2007	348	25.2	1,340	1.7
Jul-04-2007	344	26.5	1,300	2.0
Jul-05-2007	329	28.2	1,350	2.0
Jul-06-2007	320	29.3	1,360	2.4
Jul-07-2007	324	28.1	1,300	2.1
Jul-08-2007	299	27.0	1,380	2.3
Jul-09-2007	290	27.3	1,350	2.2
Jul-10-2007	332	25.6	1,170	1.7
Jul-11-2007	346	25.3	1,090	1.5
Jul-12-2007	354	25.2	1,080	1.6
Jul-13-2007	342	25.6	1,110	1.7
Jul-14-2007	350	26.3	1,080	1.5
Jul-15-2007	366	26.3	1,100	1.6
Jul-16-2007	366	26.2	1,060	1.9
Jul-17-2007	369	25.3	1,100	2.1
Jul-18-2007	360	25.8	1,120	1.9
Jul-19-2007	375	24.9	1130 e	1.9 e
Jul-20-2007	354	24.8	1,140	1.8
Jul-21-2007	334	25.3	1,190	1.7
Jul-22-2007	359	26.0	1,230	1.8
Jul-23-2007	394	25.9	1,070	1.3
Jul-24-2007	360	26.5	1,050	1.4
Jul-25-2007	326	26.6	1,030	0.9
Jul-26-2007	318	25.8	1,110	0.7
Jul-27-2007	308	25.8	1,060	0.5
Jul-28-2007	295	26.2	1,150	0.6
Jul-29-2007	304	26.0	1,170	1.0
Jul-30-2007	293	26.5	1,150	0.9
Jul-31-2007	301	27.2	1,130	1.1
Mean	340	26.1	1,180	1.6

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), August 2007.

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
Aug-01-2007	304	27.0	1,100	1.0
Aug-02-2007	292	26.8	1,190	1.6
Aug-03-2007	289	26.8	1,160	1.3
Aug-04-2007	304	27.0	1,140	1.3
Aug-05-2007	307	26.2	1,190	1.8
Aug-06-2007	304	24.8	1,170	1.4
Aug-07-2007	304	23.8	1,140	1.2
Aug-08-2007	331	23.9	1,110	1.3
Aug-09-2007	335	24.5	1,110	1.7
Aug-10-2007	276	24.9	1,130	1.4
Aug-11-2007	268	24.7	1,210	1.3
Aug-12-2007	290	23.7	1,180	1.2
Aug-13-2007	278	23.6	1,180	1.2
Aug-14-2007	260	24.1	1,230	1.5
Aug-15-2007	265	24.5	1,150	1.4
Aug-16-2007	262	24.3	1,190	1.5
Aug-17-2007	270	23.7	1,240	1.4
Aug-18-2007	265	23.7	1,300	1.6
Aug-19-2007	289	23.6	1,290	1.7
Aug-20-2007	333	24.8	1,150	1.6
Aug-21-2007	345	26.2	1,090	1.4
Aug-22-2007	312	27.0	1,090	1.2
Aug-23-2007	326	27.4	1,090	1.4
Aug-24-2007	312	26.8	1,070	0.9
Aug-25-2007	282	26.2	1,160	1.1
Aug-26-2007	263	25.7	1,140	1.5
Aug-27-2007	275	25.7	1,090	1.0
Aug-28-2007	273	26.2	NA	0.8
Aug-29-2007	296	27.3	1,110	1.3
Aug-30-2007	289	27.7	1,040	0.8
Aug-31-2007	253	27.6	1,200	0.8
Mean	290	25.5	1,150	1.3

PRELIMINARY RESULTS

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), September 2007.

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
Sep-01-2007	251	27.0	1,270	0.9
Sep-02-2007	266	25.8	1,230	0.9
Sep-03-2007	271	25.7	1,190	1.7
Sep-04-2007	288	25.0	1,140	1.1
Sep-05-2007	356	23.6	1,150	1.2
Sep-06-2007	340	23.5	929	0.8
Sep-07-2007	295	23.8	1,060	1.0
Sep-08-2007	278	23.6	1,050	1.0
Sep-09-2007	275	24.0	1,100	1.0
Sep-10-2007	278	24.0	1,060	1.0
Sep-11-2007	274	24.0	1,130	0.9
Sep-12-2007	267	23.7	1,150	0.9
Sep-13-2007	269	22.7	1,130	1.0
Sep-14-2007	233	22.3	1,230	1.0
Sep-15-2007	229	22.3	1,230	1.0
Sep-16-2007	253	21.8	1,240	1.0
Sep-17-2007	266	21.8	1,290	1.0
Sep-18-2007	269	22.1	1,230	1.0
Sep-19-2007	275	21.1	1,160	1.0
Sep-20-2007	305	19.3	1,080	1.0
Sep-21-2007	270	19.7	1,120	1.0
Sep-22-2007	276	19.3	1,160	0.9
Sep-23-2007	296	20.0	1,180	0.8
Sep-24-2007	298	20.3	1,120	0.9
Sep-25-2007	295	20.7	1,060	1.1
Sep-26-2007	281	21.2	1,120	1.6
Sep-27-2007	285	21.6	1,160	1.9
Sep-28-2007	295	21.1	1,130	1.9
Sep-29-2007	280	19.6	1,180	1.6
Sep-30-2007	339	18.5	1,120	1.2
.
Mean	280	22.3	1,150	1.1

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	.	.	.
Jul-03-2007	26	.	.	3,770	45	.	.	.
Jul-11-2007	21	.	.	3,810	19	.	.	.
Jul-18-2007	27	.	.	3,150	14	.	.	.
Jul-25-2007	*	.	.	3,720	11	.	.	.
Aug-01-2007	21	.	.	3,680	34	.	.	.
Aug-08-2007	15	.	.	4,030	9	.	.	.
Aug-15-2007	20	.	.	3,740	11	.	.	.
Aug-22-2007	13	.	.	4,730	18	.	.	.
Aug-29-2007	12	.	.	4,290	10	.	.	.
Sep-05-2007	12	.	.	4,280	13	.	.	.
Sep-12-2007	9	.	.	4,210	NA	.	.	.
Sep-19-2007	13	.	.	4,390	17	.	.	.
Sep-26-2007	7	.	.	4,940	NA	.	.	.

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
Jul-02-2007	22	.	.	3,890	.	30.2	.	6.3
Jul-09-2007	22	.	.	3,900	.	31.2	.	6.4
Jul-17-2007	27	.	.	3,340	.	22.7	.	5.3
Jul-24-2007	*	.	.	3,550	.	24.6	.	6.2
Jul-31-2007	16	.	.	3,940	.	28.8	.	5.9
Aug-07-2007	15	.	.	3,800	.	26.0	.	5.5
Aug-14-2007	18	.	.	4,040	.	28.2	.	6.7
Aug-21-2007	13	.	.	3,710	.	26.4	.	5.5
Aug-28-2007	10	.	.	4,350	.	28.4	.	7.3
Sep-04-2007	10	.	.	4,120	.	23.6	.	7.5
Sep-11-2007	10	.	.	4,040	.	19.8	.	7.8
Sep-18-2007	14	.	.	4,540	.	38.7	.	8.5
Sep-25-2007	7	.	.	4,370	.	38.9	.	7.3

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
Jul-05-2007	27	28.0	9.1	4,100	31	31.4	6.3
Jul-12-2007	22	24.1	9.0	3,370	35	24.6	5.3
Jul-19-2007	25	24.6	8.1	3,210	36	22.3	5.2
Jul-26-2007	2	25.7	8.4	3,180	22	19.4	5.7
Aug-02-2007	17	26.6	7.7	3,770	14	26.1	5.9
Aug-09-2007	15	24.2	8.2	3,470	27	21.9	5.1
Aug-16-2007	20	25.6	8.9	4,190	19	29.4	7.0
Aug-23-2007	12	27.0	8.4	3,820	18	21.5	6.6
Aug-30-2007	11	27.5	7.8	3,760	15	24.8	5.8
Sep-06-2007	12	23.5	7.7	4,440	30	20.9	7.6
Sep-13-2007	13	22.1	7.6	4,040	22	18.3	7.1
Sep-20-2007	17	17.5	7.7	4,040	29	14.3	8.2
Sep-27-2007	12	21.2	8.4	4,120	59	34.2	6.5

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
Jul-05-2007	-5	26.7	7.4	3,440	.	<0.4	2.7
Jul-12-2007	6	25.1	8.2	1,350	.	0.8	1.2
Jul-19-2007	26	24.3	8.6	1,110	.	1.0	1.1
Jul-26-2007	16	26.2	8.4	1,490	.	0.9	1.6
Aug-02-2007	4	24.8	7.9	1,210	.	1.3	1.3
Aug-09-2007	1	25.5	8.3	1,110	.	0.9	1.5
Aug-16-2007	0	24.7	7.2	2,260	.	0.7	2.1
Aug-23-2007	1	27.2	8.5	1,350	.	0.8	1.0
Aug-30-2007	5	25.9	8.8	1,210	.	0.9	0.9
Sep-06-2007	21	21.4	8.3	799	.	0.6	0.4
Sep-13-2007	16	20.7	8.1	714	.	0.4	0.4
Sep-20-2007	7	16.1	8.4	844	.	NA	NA
Sep-27-2007	53	20.3	7.7	939	.	0.5	0.6

** 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
Jul-05-2007	22	28.1	8.6	3,550	24.1	5.5
Jul-12-2007	28	24.1	8.5	2,750	16.0	3.8
Jul-19-2007	51	23.9	8.4	2,330	11.8	3.4
Jul-26-2007	9	23.6	8.2	2,270	2.4	2.2
Aug-02-2007	21	25.4	7.8	2,720	14.2	4.0
Aug-09-2007	16	24.3	8.2	3,590	17.7	5.2
Aug-16-2007	20	25.1	8.7	3,850	24.0	6.5
Aug-23-2007	13	26.0	8.1	2,780	12.1	4.0
Aug-30-2007	16	26.6	8.2	2,900	17.7	4.3
Sep-06-2007	33	21.6	8.2	1,900	6.5	2.4
Sep-13-2007	29	21.2	8.2	1,810	5.3	2.4
Sep-20-2007	24	16.7	8.4	2,240	6.5	1.4
Sep-27-2007	65	20.2	6.4	1,540	8.4	1.6

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
Jul-03-2007	.	8.9	4,440	31	29.6	8.0
Jul-10-2007	.	8.3	2,650	44	13.5	4.4
Jul-17-2007	.	8.8	2,140	46	10.0	3.5
Jul-24-2007	.	8.5	1,660	73	2.6	1.9
Aug-03-2007	.	8.1	3,120	30	16.3	5.0
Aug-07-2007	.	8.2	4,040	13	20.9	6.8
Aug-14-2007	.	8.7	4,100	26	23.7	7.5
Aug-22-2007	.	8.6	2,600	30	11.6	3.9
Aug-28-2007	.	8.6	2,270	35	9.1	3.1
Sep-06-2007	.	8.4	1,930	57	6.3	2.6
Sep-11-2007	.	8.7	2,370	31	8.3	3.5
Sep-18-2007	.	8.6	2,090	45	4.9	3.4
Sep-26-2007	.	7.9	1,810	33	9.8	2.2

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
Jul-05-2007	151	28.4	7.3	956	0.6	0.3
Jul-12-2007	157	22.7	7.8	673	0.6	0.4
Jul-19-2007	120	22.6	7.5	1,170	0.5	0.5
Jul-26-2007	111	23.8	7.8	1,150	0.6	0.5
Aug-02-2007	70	24.8	7.7	1,220	0.6	0.5
Aug-09-2007	123	21.8	7.9	914	0.6	0.3
Aug-16-2007	98	24.8	7.2	898	0.4	0.4
Aug-23-2007	78	24.7	7.4	1,170	0.5	0.4
Aug-30-2007	49	25.9	7.9	1,270	<0.4	0.5
Sep-06-2007	49	20.7	8.0	1,360	0.5	0.5
Sep-13-2007	39	19.4	8.0	1,620	<0.4	0.6
Sep-20-2007	75	14.9	7.9	1,320	0.5	0.5
Sep-27-2007	99	19.9	7.6	1,250	0.5	0.5

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
Jul-03-2007	15	.	.	474	1.0	0.3
Jul-11-2007	15	.	.	523	0.9	0.4
Jul-18-2007	15	.	.	501	0.8	0.4
Jul-25-2007	15	.	.	402	0.5	0.2
Aug-01-2007	NA	.	.	408	0.8	0.2
Aug-08-2007	15	.	.	482	0.9	0.3
Aug-15-2007	45	.	.	537	0.7	0.3
Aug-22-2007	45	.	.	560	0.7	0.2
Aug-29-2007	45	.	.	566	0.8	0.3
Sep-05-2007	70	.	.	754	0.9	0.2
Sep-12-2007	80	.	.	704	0.5	0.3
Sep-19-2007	140	.	.	715	0.6	0.2
Sep-26-2007	150	.	.	531	0.8	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
Jul-03-2007	20	.	.	453	1.3	0.3
Jul-11-2007	20	.	.	473	0.8	0.2
Jul-18-2007	10	.	.	355	0.8	0.2
Jul-25-2007	10	.	.	529	0.8	0.3
Aug-01-2007	NA	.	.	433	1.3	0.2
Aug-08-2007	10	.	.	502	0.8	0.2
Aug-15-2007	10	.	.	539	0.7	0.2
Aug-22-2007	20	.	.	586	0.8	0.2
Aug-29-2007	30	.	.	546	0.9	0.3
Sep-05-2007	60	.	.	711	1.1	0.3
Sep-12-2007	100	.	.	661	0.5	0.2
Sep-19-2007	125	.	.	625	0.7	0.2
Sep-26-2007	155	.	.	546	0.7	0.2

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
Jul-03-2007	NA	.	.	1,020	1.3	1.4
Jul-11-2007	NA	.	.	958	1.2	1.2
Jul-18-2007	NA	.	.	941	1.1	1.2
Jul-25-2007	NA	.	.	725	0.8	0.6
Aug-01-2007	NA	.	.	1,010	1.6	1.1
Aug-08-2007	NA	.	.	1,000	1.1	1.0
Aug-15-2007	NA	.	.	1,190	1.2	1.2
Aug-22-2007	NA	.	.	660	0.9	0.3
Aug-29-2007	NA	.	.	984	1.4	0.7
Sep-05-2007	50	.	.	895	1.1	0.4
Sep-12-2007	105	.	.	815	0.6	0.4
Sep-19-2007	160	.	.	768	0.8	0.3
Sep-26-2007	140	.	.	667	0.7	0.2

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
Jul-03-2007	38	.	.	1,000	1.3	1.5
Jul-11-2007	45	.	.	799	1.0	1.0
Jul-18-2007	48	.	.	952	1.0	1.3
Jul-25-2007	43	.	.	954	1.1	1.6
Aug-01-2007	NA	.	.	857	1.4	1.0
Aug-08-2007	55	.	.	965	1.3	1.1
Aug-15-2007	55	.	.	832	0.8	0.9
Aug-22-2007	73	.	.	725	1.0	0.5
Aug-29-2007	65	.	.	679	0.8	0.3
Sep-05-2007	NA	.	.	811	1.1	0.4
Sep-12-2007	NA	.	.	877	0.6	0.4
Sep-19-2007	NA	.	.	919	0.7	0.4
Sep-26-2007	NA	.	.	838	0.7	0.4

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
Jul-03-2007	.	.	.	480	1.1	0.3
Jul-11-2007	.	.	.	395	0.8	0.2
Jul-18-2007	.	.	.	655	1.0	0.4
Jul-25-2007	.	.	.	442	0.7	0.2
Aug-01-2007	.	.	.	517	0.9	0.2
Aug-08-2007	.	.	.	483	0.9	0.2
Aug-15-2007	.	.	.	517	0.8	0.3
Aug-22-2007	.	.	.	569	0.7	0.2
Aug-29-2007	.	.	.	603	0.9	0.2
Sep-05-2007	.	.	.	682	0.9	0.2
Sep-12-2007	.	.	.	659	0.4	0.2
Sep-19-2007	.	.	.	681	0.9	0.3
Sep-26-2007	.	.	.	562	0.6	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
Jul-05-2007	178	27.2	8.2	1,060	0.6	0.4
Jul-12-2007	176	24.0	7.8	1,060	0.6	0.4
Jul-19-2007	149	23.1	7.4	1,220	0.5	0.4
Jul-26-2007	142	25.9	7.9	1,200	0.6	0.5
Aug-02-2007	110	24.9	8.2	1,010	0.5	0.4
Aug-09-2007	154	24.3	7.6	746	0.6	0.3
Aug-16-2007	117	23.4	8.3	1,190	<0.4	0.5
Aug-23-2007	103	26.7	7.4	1,320	0.5	0.5
Aug-30-2007	86	27.3	7.0	1,290	<0.4	0.4
Sep-06-2007	66	21.8	6.8	1,430	0.4	0.5
Sep-13-2007	52	21.7	7.8	2,180	0.4	0.7
Sep-20-2007	79	16.1	9.7	1,460	<0.4	0.5
Sep-27-2007	111	20.4	8.2	1,190	<0.4	0.6

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
Jul-10-2007	.	.	.	NA	3.0	1.1
Jul-17-2007	.	.	.	NA	4.1	1.3
Aug-07-2007	.	.	.	NA	2.3	1.2
Aug-14-2007	.	.	.	NA	2.8	1.4
Aug-21-2007	.	.	.	NA	2.6	1.3
Aug-28-2007	.	.	.	NA	1.6	1.1
Sep-18-2007	.	.	.	NA	1.3	1.1
Sep-26-2007	.	.	.	NA	3.6	1.3

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
Jul-05-2007	329	26.1	8.4	1,370	1.9	0.8
Jul-12-2007	354	23.9	8.1	1,090	1.6	0.6
Jul-19-2007	375	23.6	8.1	1,110	1.7	0.8
Jul-26-2007	318	25.3	8.3	1,090	0.6	0.5
Aug-02-2007	292	25.0	8.0	1,230	1.9	0.8
Aug-09-2007	335	24.4	7.8	1,060	1.6	0.7
Aug-16-2007	262	22.7	8.1	1,220	1.4	0.8
Aug-23-2007	326	26.4	7.6	1,040	1.1	0.5
Aug-30-2007	289	26.5	7.6	1,030	0.8	0.5
Sep-06-2007	340	22.0	7.6	935	0.6	0.4
Sep-13-2007	269	21.5	7.8	1,130	0.7	0.6
Sep-20-2007	305	18.2	7.9	1,070	0.9	0.6
Sep-27-2007	285	20.6	7.7	1,180	1.9	0.7

Table 20. Summary of fathead minnow (*Pimephales promelas*) larvae survival in 7-day tests using water samples collected from October 2006 to September 2007. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 27 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Canal	Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	%	%	%	%	%	%
Oct-2006	95	85	85	90	98	100
Nov-2006	95	98	85	100	100	98
Dec-2006	98	100	85*	93	98	98
Jan-2007	100	100	90	93	98	100
Feb-2007	98	90	95	88	98	100
Mar-2007	98	80*	95	93	98	98
Apr-2007	100	98	100	95	95	100
May-2007	95	95	98	95	100	95
Jun-2007	98	93	90	90	93	90
Jul-2007	100	98	98	100	100	100
Aug-2007	93	100	100	95	93	100
Sep-2007	93	90	88	93	93	100

Table 21. Summary of fathead minnow (*Pimephales promelas*) larvae growth in 7-day tests using water samples collected from October 2006 to September 2007. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 27 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Canal	Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	mg	mg	mg	mg	mg	mg
Oct-2006	0.39	0.36	0.36	0.35	0.40	0.40
Nov-2006	0.30	0.28*	0.30	0.33	0.33	0.32
Dec-2006	0.35	0.40	0.41	0.45	0.32	0.31
Jan-2007	0.30	0.35	0.37	0.34	0.31	0.31
Feb-2007	0.45	0.41	0.43	0.33	0.37	0.38
Mar-2007	0.36	0.26*	0.36	0.33	0.32	0.31
Apr-2007	0.38	0.33	0.31	0.32	0.34	0.33
May-2007	0.41	0.43	0.40	0.36	0.45	0.41
Jun-2007	0.36	0.33	0.33	0.31	0.31	0.33
Jul-2007	0.36	0.32	0.26*	0.36	0.36	0.33
Aug-2007	0.30	0.29	0.32	0.33	0.27	0.26
Sep-2007	0.26	0.24	0.25	0.26	0.27	0.25

Table 22. Summary of *Daphnia magna* survival in 7-day tests using water samples collected from October 2006 to September 2007. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 27 for explanation of footnotes and agency abbreviations.

LOCATION	Station B	Station C	Station D	Station F	Canal	Control
DATA SOURCE	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA	SLDMWA
UNITS	%	%	%	%	%	%
Oct-2006	70	80	100	80	90	80
Nov-2006	90	100	100	90	90	100
Dec-2006	90	70	100	90	100	90
Jan-2007	90	90	80	90	90	80
Feb-2007	100	80	90	90	100	90
Mar-2007	100	80	90	100	80	100
Apr-2007	100	90	90	100	90	100
May-2007	90	0*	90	90	100	100
Jun-2007	60*	100	80	100	100	100
Jul-2007	80	80	80	90	80	100
Aug-2007	100	70	90	90	80	100
Sep-2007	100	100	100	100	100	80

PRELIMINARY RESULTS

Table 23. Summary of *Daphnia magna* reproduction in 7-day tests using water samples collected from October 2006 to September 2007. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 27 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
Oct-2006	25.9	27.4	30.1	26.3	26.9	19.6
Nov-2006	36.6	49.6	47.0	47.9	38.3	46.2
Dec-2006	28.4	22.5	29.6	31.5	27.8	22.3
Jan-2007	20.5	27.3	23.2	26.0	28.5	21.4
Feb-2007	31.7	32.9	39.4	31.6	28.6	30.5
Mar-2007	35.2	27.1	32.9	28.2*	36.8	30.2
Apr-2007	22.7	21.1	29.0	21.2	21.1	26.2
May-2007	38.4	16.0*	33.0	33.3	36.5	30.0
Jun-2007	18.3*	34.9	34.9	32.6	28.2	27.2
Jul-2007	43.1	32.5	34.6	20.9	20.8	36.3
Aug-2007	29.8	26.3	40.7	33.9	25.9	26.3
Sep-2007	19.2*	32.0	31.0	23.8	29.3	19.6

Table 24. Summary of *Selenastrum capricornutum* growth in 4-day tests using water samples collected from October 2006 to September 2007. Each value is the mean of 4 replicates.

See Table 27 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
Oct-2006	21.4	27.8	30.4	23.4	12.5	20.3
Nov-2006	17.6	26.2	23.3	24.7	17.7	17.5
Dec-2006	13.4	13.9	12.8	5.4*	7.5	17.2
Jan-2007	8.9	20.3	18.5	21.0	11.4	16.9
Feb-2007	7.9*	22.9	17.9	31.8	13.4	15.7
Mar-2007	12.0	11.0	8.8*	9.2*	12.4	14.3
Apr-2007	4.7*	19.0	8.8	5.2*	10.0	14.9
May-2007	12.2	15.8	2.8*	10.0*	14.2	14.9
Jun-2007	12.3	15.3	13.6	14.5	11.2	16.0
Jul-2007	10.4	15.4	11.2	15.5	9.4	13.4
Aug-2007	12.0	15.9	12.6	13.7	9.9	13.7
Sep-2007	11.8	8.9	11.5	13.5	9.2††††	3.8†††† ‡

PRELIMINARY RESULTS

Table 25. Summary of selenium concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, July 2007 to September 2007.

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/USBR	SLDMWA/USBR	SLDMWA/USBR	SLDMWA/USBR	SLDMWA/USBR
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L
Jul-16-2007	29	0.8	16	0.4	<0.4
Jul-18-2007	24	0.8	10	<0.4	<0.4
Jul-20-2007	23	0.8	12	<0.4	<0.4
Aug-13-2007	27	<0.4	21	<0.4	<0.4
Aug-15-2007	27	0.5	23	<0.4	<0.4
Aug-17-2007	24	0.6	25	<0.4	<0.4
Sep-10-2007	19	<0.4	8.7	<0.4	<0.4
Sep-12-2007	16	<0.4	5.7	<0.4	<0.4
Sep-14-2007	16	<0.4	6.4	<0.4	<0.4
Sep-17-2007	13	<0.4	4.8	<0.4	<0.4

Table 26. Summary of total suspended solids concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, July 2007 to September 2007.

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
Jul-16-2007	26	114	98	205	37
Jul-18-2007	38	93	98	148	33
Jul-20-2007	40	157	88	212	30
Aug-16-2007	7	8	27	94	18
Aug-18-2007	21	5	23	76	24
Aug-20-2007	19	17	32	115	18
Sep-10-2007	40	21	29	74	7
Sep-12-2007	12	78	46	54	10
Sep-14-2007	18	39	38	55	9
Sep-17-2007	19	41	41	120	8

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	µS/cm	mg/L	tons
Apr-2006	37	2,190	5,640	4,174	12,430
May-2006	36	2,200	4,670	3,456	10,340
Jun-2006	41	2,420	4,510	3,337	10,980
Jul-2006	40	2,460	4,580	3,389	11,340
Aug-2006	35	2,120	4,560	3,374	9,730
Sep-2006	27	1,610	4,060	3,004	6,580
Oct-2006	20	1,260	4,320	3,197	5,480
Nov-2006	24	1,410	4,640	3,434	6,580
Dec-2006	21	1,300	4,170	3,086	5,460
Jan-2007	32	1,980	3,970	2,940	7,920
Feb-2007	43	2,380	3,980	2,940	9,520
Mar-2007	31	1,920	4,480	3,320	8,670
Apr-2007	32	1,900	4,713	3,490	9,020
May-2007	32	1,990	4,858	3,590	9,720
Jun-2007	23	1,370	4,139	3,063	5,710
Jul-2007	20	1,230	3,700	2,738	4,580
Aug-2007	16	1,000	3,898	2,885	3,920
Sep-2007	13	800	4,075	3,016	3,280

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	µS/cm	mg/L	tons
WY 1997	52	37,560	4,257	3,150	167,830
WY 1998	64	45,950	4,438	3,280	205,110
WY 1999	45	32,310	4,650	3,440	149,140
WY 2000	43	31,260	4,301	3,180	135,010
WY 2001	39	28,250	4,191	3,100	120,030
WY 2002	39	28,400	4,069	3,010	116,190
WY 2003	38	27,270	4,319	3,200	118,760
WY 2004	38	27,700	4,173	3,090	116,350
WY 2005	37	60,100	4,447	3,290	270,970
WY 2006	36	25,970	4,605	3,410	121,050
WY 2007	26	18,540	4,237	3,130	79,700

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µS/cm	mg/L	tons
CY 1997	52	37,490	4,354	3,220	164,180
CY 1998	64	46,240	4,563	3,380	212,560
CY 1999	45	32,250	4,532	3,360	147,370
CY 2000	42	30,210	4,189	3,100	127,370
CY 2001	39	28,010	4,200	3,110	118,470
CY 2002	39	28,460	4,155	3,070	118,830
CY 2003	38	27,550	4,282	3,170	118,770
CY 2004	39	28,290	4,129	3,060	117,730
CY 2005	38	55,500	4,505	3,330	251,350
CY 2006	36	25,890	4,589	3,395	119,540
CY 2007	27	14,570	4,202	2,332	46,210

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	µS/cm	mg/L	tons
Apr-2006	210	12,520	2,620	1,808	30,780
May-2006	117	7,200	3,000	2,070	20,270
Jun-2006	103	6,100	2,800	1,932	16,030
Jul-2006	96	5,900	2,410	1,663	13,340
Aug-2006	72	4,420	2,540	1,753	10,540
Sep-2006	81	4,820	1,740	1,201	7,870
Oct-2006	166	10,190	1,200	828	11,470
Nov-2006	191	11,390	1,520	1,049	16,250
Dec-2006	167	10,290	1,750	1,208	16,900
Jan-2007	159	9,780	2,050	1,410	18,750
Feb-2007	149	8,270	2,570	1,780	20,020
Mar-2007	136	8,340	2,760	1,900	21,550
Apr-2007	50	2,990	3,876	2,670	10,860
May-2007	49	3,030	3,466	2,390	9,850
Jun-2007	29	1,730	3,490	2,408	5,670
Jul-2007	27	1,680	2,755	1,901	4,340
Aug-2007	21	1,270	3,116	2,150	3,710
Sep-2007	35	2,060	1,952	1,347	3,770

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	µS/cm	mg/L	tons
WY 1997	181	130,930	2,390	1,650	254,020
WY 1998	257	182,580	2,600	1,790	369,220
WY 1999	141	101,360	2,582	1,780	229,760
WY 2000	131	94,440	2,496	1,720	201,560
WY 2001	129	92,870	2,737	1,890	214,330
WY 2002	104	75,280	2,809	1,940	184,890
WY 2003	122	88,200	2,688	1,860	208,450
WY 2004	120	87,190	2,704	1,870	197,370
WY 2005	160	259,920	2,302	1,590	535,510
WY 2006	160	116,100	2,273	1,570	242,890
WY 2007	100	72,370	2,540	1,750	144,580

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µS/cm	mg/L	tons
CY 1997	174	125,450	2,471	1,700	290,040
CY 1998	258	183,320	2,559	1,770	441,290
CY 1999	137	98,740	2,588	1,790	240,370
CY 2000	133	96,070	2,467	1,700	222,110
CY 2001	123	88,890	2,768	1,910	230,900
CY 2002	111	80,260	2,827	1,950	212,850
CY 2003	119	85,750	2,621	1,810	211,080
CY 2004	121	87,960	2,738	1,890	226,090
CY 2005	160	230,850	2,377	1,640	514,890
CY 2006	160	115,820	2,241	1,546	243,490
CY 2007	73	39,150	2,892	1,496	79,670

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	µS/cm	mg/L	tons
Apr-2006	355	21,100	1,230	836	24,000
May-2006	301	18,520	850	578	14,560
Jun-2006	204	12,130	830	564	9,310
Jul-2006	196	12,040	838	570	9,330
Aug-2006	174	10,720	847	576	8,400
Sep-2006	90	5,340	1,110	755	5,480
Oct-2006	154	9,460	951	647	8,320
Nov-2006	199	11,820	1,180	802	12,900
Dec-2006	129	7,920	1,510	1,027	11,060
Jan-2007	198	12,150	1,370	930	15,370
Feb-2007	228	12,690	1,380	940	16,220
Mar-2007	235	14,460	1,500	1,020	20,060
Apr-2007	139	8,260	1,441	980	11,010
May-2007	145	8,910	1,172	800	9,700
Jun-2007	136	8,090	1,118	760	8,370
Jul-2007	133	8,200	1,028	699	7,800
Aug-2007	88	5,410	1,196	813	5,980
Sep-2007	67	3,990	1,400	952	5,170

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	µS/cm	mg/L	tons
WY 1997	216	156,080	1,294	880	192,670
WY 1998	273	196,090	1,387	940	258,200
WY 1999	210	151,770	1,192	810	171,580
WY 2000	195	141,050	1,314	890	170,780
WY 2001	185	133,880	1,340	910	168,570
WY 2002	145	104,880	1,445	980	142,570
WY 2003	177	127,940	1,334	910	165,550
WY 2004	170	123,330	1,296	880	153,230
WY 2005	217	353,240	1,227	840	414,670
WY 2006	234	168,800	1,189	810	192,440
WY 2007	154	111,370	1,272	870	132,150

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µS/cm	mg/L	tons
CY 1997	205	147,940	1,355	920	185,100
CY 1998	281	201,370	1,292	880	241,000
CY 1999	204	147,380	1,255	850	170,370
CY 2000	194	140,370	1,284	870	166,090
CY 2001	181	131,100	1,399	950	169,380
CY 2002	161	116,600	1,403	950	150,650
CY 2003	163	117,730	1,342	910	145,700
CY 2004	170	123,500	1,285	870	146,130
CY 2005	228	329,190	1,212	830	371,590
CY 2006	232	167,460	1,163	793	180,680
CY 2007	152	82,210	1,289	658	73,560

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	µS/cm	mg/L	tons
Apr-2006	12,242	728,440	120	74	73,710
May-2006	9,463	581,820	70	43	34,340
Jun-2006	6,201	368,970	70	43	21,780
Jul-2006	934	57,440	491	304	23,780
Aug-2006	283	17,390	929	576	13,620
Sep-2006	172	10,210	1,010	626	8,700
Oct-2006	238	14,630	830	515	10,240
Nov-2006	258	15,340	1,120	694	14,490
Dec-2006	196	12,050	1,500	930	15,240
Jan-2007	238	14,620	1,530	1,040	20,680
Feb-2007	336	18,650	1,370	930	23,590
Mar-2007	412	25,320	1,490	1,010	34,780
Apr-2007	223	13,300	1,706	1,160	20,070
May-2007	196	12,050	1,457	600	9,070
Jun-2007	172	10,210	1,307	889	12,340
Jul-2007	164	10,100	1,077	732	10,060
Aug-2007	113	6,950	1,265	860	8,130
Sep-2007	80	4,760	1,589	1,080	6,990

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	µS/cm	mg/L	tons
WY 1997	na	na	1,387	940	na
WY 1998	na	na	1,281	870	na
WY 1999	na	na	1,433	980	na
WY 2000	na	na	1,525	1,040	na
WY 2001	na	na	1,761	1,200	na
WY 2002	na	na	1,433	970	na
WY 2003	215	156,100	1,486	1,010	217,950
WY 2004	223	161,760	1,493	1,020	219,220
WY 2005	1,608	2,615,470	878	600	755,840
WY 2006	2,670	1,931,210	787	530	344,360
WY 2007	217	156,740	1,355	890	189,610

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µS/cm	mg/L	tons
CY 1997	na	na	1,466	1,000	na
CY 1998	na	na	1,221	830	na
CY 1999	na	na	1,463	1,000	na
CY 2000	na	na	1,517	1,030	na
CY 2001	na	na	1,811	1,230	na
CY 2002	225	163,110	1,439	980	217,390
CY 2003	194	140,470	1,534	1,040	198,680
CY 2004	238	172,020	1,435	980	229,270
CY 2005	1,784	2,579,640	819	560	1,964,650
CY 2006	2,671	1,931,950	765	518	1,361,900
CY 2007	212	114,540	1,423	692	107,770

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	µS/cm	mg/L	tons
Apr-2006	16,470	979,890	250	155	206,560
May-2006	13,920	855,880	160	99	115,470
Jun-2006	9,020	536,680	160	99	72,400
Jul-2006	2,130	130,770	572	355	63,070
Aug-2006	1,290	79,160	625	388	41,720
Sep-2006	1,190	71,050	583	361	34,930
Oct-2006	1,470	90,190	515	319	39,160
Nov-2006	1,080	64,360	965	598	52,370
Dec-2006	840	51,510	1,190	738	51,690
Jan-2007	850	52,460	1,290	799	57,000
Feb-2007	920	51,280	1,400	871	60,720
Mar-2007	1,020	62,530	1,460	905	76,990
Apr-2007	770	45,550	1,294	820	50,800
May-2007	1,000	61,340	805	513	42,860
Jun-2007	680	40,300	834	517	28,340
Jul-2007	340	20,840	1,177	730	20,680
Aug-2007	290	17,950	1,118	693	16,920
Sep-2007	280	16,770	1,172	727	16,580

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	µS/cm	mg/L	tons
WY 1997	5,407	3,844,610	820	510	1,080,680
WY 1998	6,869	4,904,910	601	370	1,511,480
WY 1999	1,412	1,015,480	902	560	680,120
WY 2000	1,423	1,027,440	976	610	703,910
WY 2001	903	653,430	1,162	720	623,560
WY 2002	738	533,960	1,202	750	517,360
WY 2003	753	546,130	1,244	770	576,340
WY 2004	764	554,550	1,226	760	564,500
WY 2005	3,295	5,366,940	672	420	1,972,380
WY 2006	4,748	3,437,650	569	350	947,330
WY 2007	798	577,280	1,102	690	514,480

Calendar Year Totals

PARAMETER	Mean daily	Total	FW EC	TDS	Salt load
UNITS	cfs	acre-feet	µS/cm	mg/L	tons
CY 1997	5,063	3,590,680	975	600	2,929,990
CY 1998	7,086	5,064,330	453	280	1,928,500
CY 1999	1,207	864,600	1,017	630	740,790
CY 2000	1,466	1,059,180	905	560	806,670
CY 2001	882	638,210	1,174	730	633,610
CY 2002	723	523,240	1,235	770	547,940
CY 2003	718	521,480	1,258	780	553,190
CY 2004	790	573,270	1,213	750	584,740
CY 2005	3,607	5,220,720	632	390	2,769,070
CY 2006	4,786	3,465,280	567	352	1,657,190
CY 2007	683	368,990	1,173	548	274,970

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

PRELIMINARY RESULTS

Table 32. Summary of sediment monitoring results from March 2004 to September 2007. Concentrations in µg/g dry weight.

See Table 33 for explanation of footnotes and agency abbreviations.

Station Code Station Name	PARAMETER DEPTH SOURCE UNITS	Selenium			Organic Carbon			Percent Moisture		
		0-3 cm	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core
		USBR	USBR	USBR	USBR	USBR	USBR	USBR	USBR	USBR
		µg/g (dry)	µg/g (dry)	µg/g (dry)	%	%	%	%	%	%
Station C:	Mar-15-2004	<0.10	<0.10	0.18	0.17	0.17	0.25	32.08	21.04	27.11
Mud Slough North	Jun-09-2004	<0.10	0.10	0.17	0.17	0.18	0.22	28.14	27.05	29.12
upstream of	Sep-15-2004	<0.10	<0.10	0.13	0.14	0.15	0.23	22.60	17.30	27.00
drainage discharges	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
	Jun-21-2006	0.12	<0.10	<0.10	0.42	0.07	0.25	29.90	24.10	24.90
	Sep-13-2006	**0.58	**0.59	**0.69	**1.66	**1.69	**1.78	41.90	42.80	43.18
	Dec-07-2006	0.16	0.13	0.12	0.39	0.11	0.25	34.50	24.30	26.70
	Mar-13-2007	<0.10	<0.10	0.16	0.37	0.30	0.27	33.30	27.00	26.50
	Jun-27-2007	<0.10	<0.10	<0.10	0.33	0.29	0.67	28.99	20.69	28.49
	Sep-04-2007	0.10	0.10	0.10	0.14	0.14	0.23	18.60	19.50	19.30
Station D:	Mar-16-2004	0.19	0.23	0.20	0.10	0.34	0.11	27.69	21.51	22.65
Mud Slough North	Jun-09-2004	0.25	0.25	0.14	0.15	0.14	0.13	22.13	21.19	18.77
downstream of	Sep-15-2004	0.35	0.22	0.21	0.12	0.12	0.10	25.40	18.60	18.80
drainage discharges	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
	Jun-21-2006	**1.8	0.24	0.30	**1.23	0.22	0.30	44.30	25.90	30.70
	Sep-21-2006	0.27	0.28	0.33	0.16	0.16	0.17	27.64	27.26	24.53
	Dec-07-2006	0.12	0.18	0.35	0.10	0.13	0.25	25.60	22.10	25.80
	Mar-13-2007	0.17	0.13	0.30	0.11	0.08	0.19	23.20	16.60	19.40
	Jun-27-2007	0.18	0.14	0.18	0.14	0.09	0.13	18.63	25.53	19.55
	Sep-05-2007	0.30	0.20	0.20	0.28	0.20	0.23	n/a	n/a	n/a
Station E:	Mar-16-2004	1.20	1.50	0.90	0.59	0.92	0.52	40.92	41.81	40.07
Mud Slough at Highway 140	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
	Jun-21-2006	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sep-21-2006	0.34	0.50	0.54	0.26	0.25	0.30	27.48	26.87	31.26
	Dec-07-2006	0.75	0.23	0.15	0.59	0.33	0.24	37.40	33.20	28.40
	Mar-13-2007	0.60	0.99	0.79	0.35	0.34	0.17	32.20	27.60	25.30
	Jun-27-2007	0.77	0.92	0.47	0.57	0.47	0.31	39.82	35.66	30.88
	Sep-04-2007	0.40	0.50	0.40	0.20	0.22	0.38	n/a	n/a	n/a
Station F:	Mar-15-2004	0.44	0.40	0.63	0.27	0.21	0.42	29.08	28.77	21.90
Salt Slough at Highway 165	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
	Jun-20-2006	0.25	0.30	0.40	0.43	0.30	0.27	27.90	26.30	25.50
	Sep-22-2006	0.46	0.38	0.36	0.27	0.22	0.21	32.28	28.82	25.75
	Dec-07-2006	0.20	0.31	0.46	0.25	0.24	0.19	27.90	27.30	25.60
	Mar-14-2007	0.30	0.45	0.42	0.24	0.15	0.16	27.70	28.10	17.90
	Jun-27-2007	0.18	0.44	0.30	0.19	0.24	0.17	26.38	30.21	24.69
	Sep-05-2007	0.20	0.20	0.30	0.29	0.31	0.17	28.80	21.20	25.80
Station I2:	Mar-15-2004	4.70	4.20	3.00	2.22	2.59	1.92	55.68	56.92	48.70
Mud Slough:	Jun-09-2004	2.70	3.00	5.30	1.24	1.28	1.72	48.61	46.61	51.49
Seasonal backwater tributary	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
	Jun-21-2006	4.80	2.80	3.40	3.28	2.25	2.31	52.90	47.80	52.30
	Sep-13-2006	3.20	3.10	3.00	1.99	2.07	1.71	51.59	51.03	42.34
	Dec-07-2006	4.30	4.90	3.30	2.37	3.38	2.24	59.80	62.30	53.80
	Mar-13-2007	5.30	4.50	2.50	2.27	2.08	1.55	59.70	55.90	46.30
	Jun-27-2007	4.40	5.20	6.40	2.10	2.04	2.39	45.43	48.41	52.32
	Sep-05-2007	7.00	7.90	5.30	2.14	2.55	2.92	n/a	n/a	n/a

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 ⁹ 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