

GRASSLAND BYPASS PROJECT

QUARTERLY DATA REPORT

April, May and June 2002

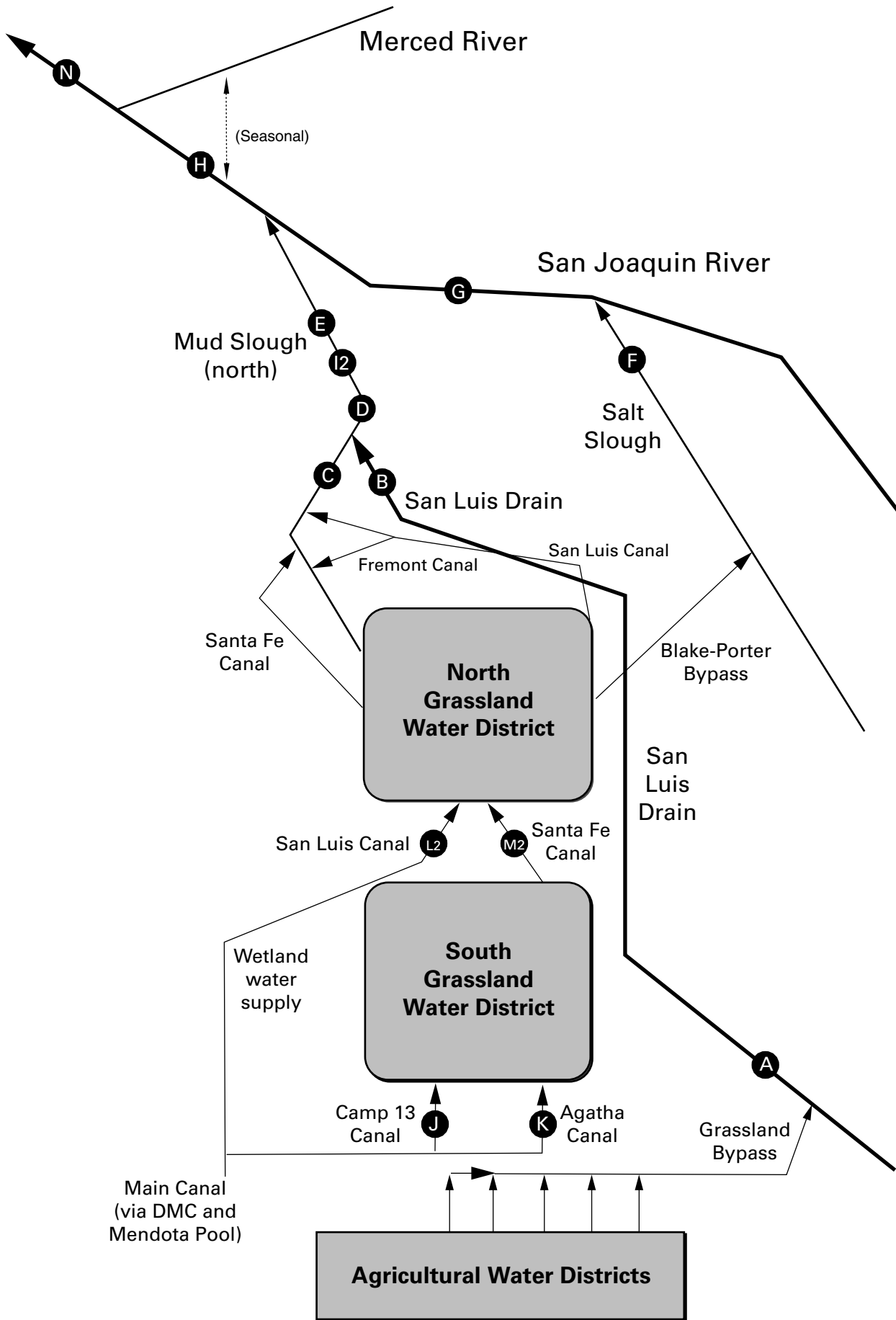
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A cooperative effort of:

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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QUARTERLY DATA REPORT

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Table 1. Continuous water monitoring at Station A (inflow to San Luis Drain), April, May, June 2002.

See Table 31 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	April	April	May	May	June	June
Day 1	37	4,960	42	4,550	49	4,290
Day 2	34	4,980	38	4,560	49	4,320
Day 3	35	5,040	37	4,670	48	4,310
Day 4	34	4,940	35	4,690	50	4,290
Day 5	35	5,040	33	4,730	45	4,350
Day 6	38	4,960	31	4,750	50	4,320
Day 7	38	4,270	33	4,560	47	4,180
Day 8	37	4,400	35	4,620	45	4,000
Day 9	34	5,040	33	4,730	47	4,060
Day 10	34	4,870	32	5,100	57	4,050
Day 11	34	4,790	31	5,030	52	4,450
Day 12	39	4,700	31	4,850	50	4,390
Day 13	40	4,810	31	4,760	54	4,420
Day 14	42	4,810	34	4,770	58	4,210
Day 15	45	4,840	34	4,770	61	4,100
Day 16	44	4,690	34	4,720	63	4,010
Day 17	45	4,130	33	3,310	70	4,060
Day 18	47	4,140	35	NA	69	4,100
Day 19	48	4,690	40	NA	68	4,070
Day 20	47	4,700	51	NA	68	3,800
Day 21	49	4,830	56	NA	67	3,820
Day 22	49	4,620	54	NA	63	3,910
Day 23	46	4,480	55	3,650	60	4,070
Day 24	43	4,870	52	3,870	62	4,290
Day 25	45	4,200	52	3,950	61	4,260
Day 26	46	4,300	57	3,930	53	4,250
Day 27	48	4,910	51	3,980	45	4,240
Day 28	47	4,720	53	4,210	45	3,900
Day 29	47	4,670	55	4,110	46	4,240
Day 30	47	4,570	62	4,160	45	4,310
Day 31	.	.	56	4,230	.	.
Mean	42	4,700	42	4,430	55	4,170

Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), April 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Apr-01-2002	34	21.1	8.8	5,550	80.2	14.7
Apr-02-2002	36	21.8	8.7	5,490	78.9	15.3
Apr-03-2002	34	21.3	8.6	5,350	74.7	13.7
Apr-04-2002	35	20.2	8.8	5,520	74.1	14.0
Apr-05-2002	34	19.7	8.6	5,390	75.7	13.9
Apr-06-2002	35	19.5	8.3	5,290	75.4	14.2
Apr-07-2002	37	19.4	8.4	5,410	76.1	15.2
Apr-08-2002	38	20.2	8.3	5,320	74.6	15.3
Apr-09-2002	37	19.7	8.4	5,290	74.7	14.9
Apr-10-2002	34	19.6	8.2	5,240	78.1	14.3
Apr-11-2002	34	20.1	7.7	5,260	77.1	14.1
Apr-12-2002	35	20.8	8.1	5,450	83.1	15.7
Apr-13-2002	38	21.5	8.2	5,420	77.3	15.8
Apr-14-2002	39	22.9	8.5	5,480	78.2	16.4
Apr-15-2002	40	20.8	8.1	5,230	71.7	15.5
Apr-16-2002	44	19.1	7.9	5,060	72.8	17.3
Apr-17-2002	43	18.1	7.7	5,090	76.7	17.8
Apr-18-2002	46	17.2	8.0	5,180	78.6	19.5
Apr-19-2002	50	15.9	7.9	5,150	82.0	22.1
Apr-20-2002	47	17.2	7.5	4,980	76.8	19.5
Apr-21-2002	46	18.1	6.9	4,510	61.7	15.3
Apr-22-2002	48	19.2	7.1	4,620	66.0	17.1
Apr-23-2002	47	20.5	7.5	4,910	72.1	18.3
Apr-24-2002	44	21.0	7.6	5,040	75.6	17.9
Apr-25-2002	42	21.1	P	5,020	79.8	18.1
Apr-26-2002	44	19.6	P	5,130	76.4	18.1
Apr-27-2002	46	17.9	P	5,060	75.4	18.7
Apr-28-2002	46	17.8	P	5,240	71.3	17.7
Apr-29-2002	46	18.1	P	5,240	80.2	19.9
Apr-30-2002	46	17.5	P	3,250	80.5	20.0
.
Mean	41	19.6	8.1	5,140	75.9	
Total Acre-feet	2430				Total (lbs)	500

Load Limitation for April 2002	(lbs)	577
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Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), May 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
May-01-2002	46	17.6	P	5,260	75.3	18.7
May-02-2002	43	18.9	P	5,060	73.0	16.9
May-03-2002	40	19.9	P	4,910	72.9	15.7
May-04-2002	39	20.3	P	4,890	70.8	14.9
May-05-2002	37	21.3	P	4,730	66.4	13.3
May-06-2002	33	22.1	P	4,620	56.0	10.0
May-07-2002	32	22.1	P	4,790	60.9	10.5
May-08-2002	36	20.9	P	4,920	65.8	12.8
May-09-2002	35	20.9	P	4,890	65.0	12.3
May-10-2002	34	20.8	8.1	5,130	59.1	10.8
May-11-2002	34	20.2	8.3	5,080	55.2	10.1
May-12-2002	31	20.9	8.2	5,020	54.8	9.2
May-13-2002	32	21.7	8.0	5,000	52.8	9.1
May-14-2002	32	22.0	8.0	5,060	55.4	9.6
May-15-2002	35	22.6	8.1	5,240	59.1	11.2
May-16-2002	36	22.9	8.1	5,160	56.9	11.0
May-17-2002	35	23.1	8.0	4,980	51.7	9.8
May-18-2002	33	23.3	8.1	4,930	51.7	9.2
May-19-2002	36	22.7	7.9	5,030	55.1	10.7
May-20-2002	42	20.9	7.8	4,820	51.0	11.6
May-21-2002	53	19.8	7.8	4,820	49.9	14.3
May-22-2002	57	20.3	7.0	4,010	34.7	10.7
May-23-2002	57	20.7	NA	4,090	41.6	12.8
May-24-2002	56	21.8	6.8	4,180	45.7	13.8
May-25-2002	52	23.1	6.5	3,840	36.6	10.3
May-26-2002	54	23.6	6.5	3,760	32.2	9.4
May-27-2002	57	23.9	7.0	3,960	32.7	10.1
May-28-2002	53	24.3	7.2	4,120	33.4	9.5
May-29-2002	54	25.2	6.9	4,070	39.7	11.6
May-30-2002	57	26.7	7.3	4,130	38.2	11.7
May-31-2002	61	27.4	7.7	4,280	37.1	12.2
Mean	43	22.0	7.6	4,670	52.6	
Total Acre-feet	2640				Total (lbs)	363

Load Limitation for May 2002	(lbs)	488
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Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), June 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Boron	Specific Conductance	Selenium (total)	Selenium (total) Load
DATA SOURCE	USGS	USGS	CVRWQCB	CVRWQCB	CVRWQCB	Computed
UNITS	cfs	°C	mg/L	µS/cm	µg/L	lbs
Jun-01-2002	55	25.7	7.5	4,190	35.4	10.5
Jun-02-2002	51	23.7	7.8	4,290	45.5	12.5
Jun-03-2002	51	23.3	8.0	4,340	41.1	11.3
Jun-04-2002	52	23.7	8.1	4,460	37.2	10.4
Jun-05-2002	52	25.2	8.4	4,620	42.5	11.9
Jun-06-2002	48	26.7	7.7	4,470	41.2	10.7
Jun-07-2002	51	26.8	8.0	4,620	39.2	10.8
Jun-08-2002	52	24.3	9.1	4,700	40.1	11.2
Jun-09-2002	56	NA	8.3	4,750	37.7	11.4
Jun-10-2002	51	21.0	8.1	4,680	40.0	11.0
Jun-11-2002	57	23.0	9.6	4,490	36.3	11.2
Jun-12-2002	53	24.2	8.1	4,420	38.4	11.0
Jun-13-2002	51	24.7	8.5	4,300	43.6	12.0
Jun-14-2002	55	24.6	7.8	4,590	45.4	13.5
Jun-15-2002	59	24.5	8.2	4,600	44.3	14.1
Jun-16-2002	62	24.7	8.8	4,660	48.9	16.4
Jun-17-2002	64	24.9	6.9	4,440	46.1	15.9
Jun-18-2002	69	25.4	7.9	4,290	40.5	15.1
Jun-19-2002	69	25.4	7.1	4,350	44.1	16.4
Jun-20-2002	66	25.3	6.9	4,130	42.2	15.0
Jun-21-2002	66	23.8	P	4,240	47.0	16.7
Jun-22-2002	66	22.8	P	4,250	49.2	17.5
Jun-23-2002	63	23.9	P	3,960	42.3	14.4
Jun-24-2002	60	24.8	P	4,120	47.9	15.5
Jun-25-2002	62	26.0	P	4,100	47.5	15.9
Jun-26-2002	54	26.8	P	4,360	49.0	14.3
Jun-27-2002	43	26.4	P	4,310	57.6	13.4
Jun-28-2002	46	26.2	P	4,390	53.9 e	13.4
Jun-29-2002	45	26.2	P	4,320	50.2	12.2
Jun-30-2002	47	26.5	P	4,290	47.6	12.1
.
Mean	56	24.8	8.0	4,390	44.1	
Total Acre-feet	3320				Total (lbs)	397

Load Limitation for June 2002	(lbs)	429
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**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), April 2002.**

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
Apr-01-2002	85	21.1	3,990
Apr-02-2002	76	21.6	4,100
Apr-03-2002	62	20.8	4,120
Apr-04-2002	53	19.6	4,150
Apr-05-2002	50	19.1	4,210
Apr-06-2002	54	19.5	4,240
Apr-07-2002	53	19.4	4,290
Apr-08-2002	51	20.3	4,340
Apr-09-2002	47	19.1	4,400
Apr-10-2002	42	19.4	4,440
Apr-11-2002	41	19.7	4,490
Apr-12-2002	40	20.2	4,550
Apr-13-2002	49	21.1	4,630
Apr-14-2002	47	22.5	4,700
Apr-15-2002	44	19.5	4,770
Apr-16-2002	49	18.7	4,750
Apr-17-2002	50	18.3	4,500
Apr-18-2002	59	17.5	4,090
Apr-19-2002	59	16.4	4,280
Apr-20-2002	64	17.5	3,970
Apr-21-2002	60	18.6	3,750
Apr-22-2002	65	19.7	3,690
Apr-23-2002	83	20.9	3,190
Apr-24-2002	70	21.2	3,250
Apr-25-2002	66	21.3	3,330
Apr-26-2002	56	19.6	3,790
Apr-27-2002	56	17.9	3,810
Apr-28-2002	60	18.0	3,830
Apr-29-2002	59	18.2	3,960
Apr-30-2002	54	17.8	4,200
.	.	.	.
Mean	57	19.5	4,130

**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), May 2002.**

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
May-01-2002	52	18.1	4,440
May-02-2002	49	19.2	4,370
May-03-2002	46	20.1	4,160
May-04-2002	45	20.5	4,140
May-05-2002	45	21.3	3,950
May-06-2002	56	21.9	3,220
May-07-2002	53	21.6	3,200
May-08-2002	42	20.5	3,930
May-09-2002	46	20.9	3,910
May-10-2002	53	20.7	3,540
May-11-2002	63	20.4	3,230
May-12-2002	69	21.6	2,990
May-13-2002	63	22.1	3,070
May-14-2002	66	22.0	3,070
May-15-2002	54	22.5	3,630
May-16-2002	56	22.7	3,600
May-17-2002	53	23.0	3,630
May-18-2002	53	23.1	3,490
May-19-2002	50	22.2	3,800
May-20-2002	54	20.4	3,990
May-21-2002	72	19.5	3,880
May-22-2002	77	20.0	3,360
May-23-2002	85	20.5	3,130
May-24-2002	98	21.9	2,930
May-25-2002	95	23.2	2,680
May-26-2002	95	23.6	2,640
May-27-2002	89	23.7	2,910
May-28-2002	76	24.0	3,160
May-29-2002	94	25.1	2,950
May-30-2002	74	26.5	3,440
May-31-2002	74	27.1	3,570
Mean	64	21.9	3,480

**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), June 2002.**

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
Jun-01-2002	65	25.4	3,670
Jun-02-2002	76	23.7	3,290
Jun-03-2002	83	23.7	3,050
Jun-04-2002	76	24.1	3,260
Jun-05-2002	70	25.4	3,490
Jun-06-2002	62	26.3	3,530
Jun-07-2002	60	26.0	3,720
Jun-08-2002	55	23.4	3,880
Jun-09-2002	58	19.7	3,900
Jun-10-2002	60	20.7	3,880
Jun-11-2002	65	22.9	3,890
Jun-12-2002	62	24.2	3,740
Jun-13-2002	58	24.7	3,830
Jun-14-2002	65	24.5	3,690
Jun-15-2002	71	24.4	3,780
Jun-16-2002	70	24.5	4,000
Jun-17-2002	77	24.7	3,790
Jun-18-2002	97	25.3	3,460
Jun-19-2002	96	25.5	3,450
Jun-20-2002	102	25.4	3,190
Jun-21-2002	98	24.1	3,190
Jun-22-2002	94	23.4	3,290
Jun-23-2002	93	24.2	3,090
Jun-24-2002	93	24.8	2,960
Jun-25-2002	84	26.0	3,290
Jun-26-2002	64	26.8	3,690
Jun-27-2002	44	26.7	4,070
Jun-28-2002	50	26.8	3,950
Jun-29-2002	60	26.5	3,420
Jun-30-2002	59	26.9	3,480
.	.	.	.
Mean	72	24.7	3,560

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), April 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
Apr-01-2002	183	20.6	1,630
Apr-02-2002	172	21.1	1,650
Apr-03-2002	171	20.2	1,770
Apr-04-2002	175	18.7	1,750
Apr-05-2002	176	18.2	1,710
Apr-06-2002	176	18.5	1,660
Apr-07-2002	171	18.6	1,650
Apr-08-2002	165	19.9	1,690
Apr-09-2002	141	18.9	1,780
Apr-10-2002	138	18.8	1,780
Apr-11-2002	147	19.8	1,670
Apr-12-2002	149	20.4	1,680
Apr-13-2002	158	20.9	1,610
Apr-14-2002	179	22.4	1,490
Apr-15-2002	192	19.2	1,420
Apr-16-2002	163	16.9	1,540
Apr-17-2002	127	16.9	1,790
Apr-18-2002	136	16.2	1,600
Apr-19-2002	135	15.9	1,660
Apr-20-2002	146	17.5	1,520
Apr-21-2002	149	18.3	1,460
Apr-22-2002	153	19.6	1,410
Apr-23-2002	126	20.8	1,560
Apr-24-2002	130	20.7	1,710
Apr-25-2002	139	20.3	1,710
Apr-26-2002	138	18.5	1,670
Apr-27-2002	133	16.5	1,790
Apr-28-2002	153	16.7	1,570
Apr-29-2002	161	17.2	1,370
Apr-30-2002	166	16.9	1,280
.	.	.	.
Mean	155	18.8	1,620

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), May 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
May-01-2002	141	17.5	1,410
May-02-2002	139	19.0	1,510
May-03-2002	127	20.0	1,520
May-04-2002	124	20.5	1,630
May-05-2002	112	21.6	1,680
May-06-2002	116	21.9	1,690
May-07-2002	99	21.1	1,700
May-08-2002	95	20.0	1,790
May-09-2002	97	20.9	1,730
May-10-2002	86	20.6	1,850
May-11-2002	74	20.0	1,920
May-12-2002	82	21.4	1,810
May-13-2002	89	22.2	1,630
May-14-2002	88	21.9	1,580
May-15-2002	80	22.4	1,730
May-16-2002	98	22.6	1,570
May-17-2002	100	22.8	1,420
May-18-2002	123	22.6	1,370
May-19-2002	185	21.4	1,160
May-20-2002	202	19.3	1,130
May-21-2002	210	18.4	1,090
May-22-2002	199	19.4	1,160
May-23-2002	181	20.5	1,210
May-24-2002	191	22.1	1,160
May-25-2002	197	23.4	1,110
May-26-2002	191	23.5	1,110
May-27-2002	153	23.6	1,210
May-28-2002	115	24.1	1,270
May-29-2002	86	25.4	1,450
May-30-2002	94	27.3	1,320
May-31-2002	84	27.5	1,400
Mean	128	21.8	1,460

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), June 2002.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	Specific Conductance
DATA SOURCE	usgs	usgs	usgs
UNITS	cfs	°C	µS/cm
Jun-01-2002	73	24.2	1,400
Jun-02-2002	108	21.6	1,200
Jun-03-2002	162	21.7	986
Jun-04-2002	167	23.0	1,000
Jun-05-2002	138	25.2	1,020
Jun-06-2002	98	26.2	1,210
Jun-07-2002	87	25.3	1,360
Jun-08-2002	94	22.1	1,400
Jun-09-2002	94	18.7	1,430
Jun-10-2002	104	20.0	1,430
Jun-11-2002	144	22.3	1,250
Jun-12-2002	158	23.3	1,230
Jun-13-2002	168	23.1	1,230
Jun-14-2002	164	22.4	1,270
Jun-15-2002	158	22.3	1,320
Jun-16-2002	152	22.7	1,310
Jun-17-2002	138	22.7	1,310
Jun-18-2002	136	23.5	1,270
Jun-19-2002	131	23.8	1,230
Jun-20-2002	135	23.4	1,270
Jun-21-2002	130	21.1	1,290
Jun-22-2002	140	NA	1,230
Jun-23-2002	148	NA	1,190
Jun-24-2002	186	NA	1,090
Jun-25-2002	181	NA	1,080
Jun-26-2002	181	NA	1,080
Jun-27-2002	174	NA	1,140
Jun-28-2002	167	NA	1,130
Jun-29-2002	158	NA	1,150
Jun-30-2002	161	NA	1,150
.	.	.	.
Mean	141	22.8	1,220

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), April 2002.

See Table 31 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
Apr-01-2002	688	20.6	1,850	3.6
Apr-02-2002	661	21.1	1,810	3.6
Apr-03-2002	638	20.8	1,760	4.0
Apr-04-2002	605	19.7	1,890	4.1
Apr-05-2002	575	19.1	1,870	3.8
Apr-06-2002	568	19.3	1,850	3.9
Apr-07-2002	621	19.7	1,720	4.1
Apr-08-2002	650	NA	1,530	3.6
Apr-09-2002	617	NA	1,570	4.0
Apr-10-2002	607	NA	1,570	3.9
Apr-11-2002	594	NA	1,650	3.9
Apr-12-2002	601	20.4	1,600	3.9
Apr-13-2002	624	21.0	1,510	3.6
Apr-14-2002	620	22.3	1,550	4.3
Apr-15-2002	662	20.3	1,390	3.9
Apr-16-2002	683	18.3	1,270	3.8
Apr-17-2002	703	17.7	1,240	3.8
Apr-18-2002	698	17.1	1,300	4.3
Apr-19-2002	746	16.4	1,300	4.2
Apr-20-2002	744	17.4	1,280	4.5
Apr-21-2002	775	18.4	1,280	4.7
Apr-22-2002	781	19.4	1,190	4.0
Apr-23-2002	816	20.2	1,110	3.4
Apr-24-2002	831	20.8	1,090	3.4
Apr-25-2002	804	20.5	1,120	3.8
Apr-26-2002	769	19.8	NA	NA
Apr-27-2002	808	18.0	NA	NA
Apr-28-2002	828	17.5	NA	NA
Apr-29-2002	845	17.6	NA	NA
Apr-30-2002	807	17.3	NA	NA
.
Mean	699	19.3	1,490	3.9

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), May 2002.

See Table 31 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
May-01-2002	872	17.6	NA	NA
May-02-2002	1,090	17.7	NA	NA
May-03-2002	1,320	17.7	664	2.4
May-04-2002	1,440	18.0	678	2.0
May-05-2002	1,530	18.7	590	1.9
May-06-2002	1,560	19.0	567	1.6
May-07-2002	1,530	18.9	580	1.6
May-08-2002	1,500	17.9	539	1.1
May-09-2002	1,330	18.4	619	1.4
May-10-2002	1,250	18.7	713	1.9
May-11-2002	1,190	18.7	722	1.9
May-12-2002	1,230	19.2	690	1.6
May-13-2002	1,250	19.5	670	1.5
May-14-2002	1,070	20.0	779	1.6
May-15-2002	931	21.0	872	1.8
May-16-2002	775	NA	895	1.8
May-17-2002	663	NA	1,250	3.0
May-18-2002	597	NA	1,250	2.7
May-19-2002	570	NA	1,280	2.7
May-20-2002	642	19.7	1,210	2.8
May-21-2002	642	19.3	1,100	3.0
May-22-2002	644	19.8	1,180	3.7
May-23-2002	628	19.9	1,140	3.7
May-24-2002	593	NA	1,190	3.3
May-25-2002	596	23.3	1,240	4.2
May-26-2002	633	23.5	1,190	3.6
May-27-2002	658	23.7	1,140	2.8
May-28-2002	612	24.0	1,150	2.8
May-29-2002	574	25.2	1,290	2.9
May-30-2002	557	26.7	1,340	2.9
May-31-2002	517	27.0	1,470	3.2
Mean	935	20.5	970	2.5

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), June 2002.

See Table 31 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
Jun-01-2002	493	26.2	1,620	3.7
Jun-02-2002	515	24.6	1,530	3.6
Jun-03-2002	559	24.2	1,460	3.0
Jun-04-2002	577	24.9	1,260	3.4
Jun-05-2002	567	26.3	1,170	2.8
Jun-06-2002	522	26.8	1,290	2.8
Jun-07-2002	489	25.7	1,420	3.2
Jun-08-2002	468	NA	1,530	3.1
Jun-09-2002	466	NA	1,540	3.3
Jun-10-2002	485	21.0	1,480	3.1
Jun-11-2002	464	23.9	1,420	3.0
Jun-12-2002	459	25.2	1,550	3.7
Jun-13-2002	459	25.5	1,500	4.0
Jun-14-2002	483	24.6	1,440	4.1
Jun-15-2002	499	24.6	1,370	4.6
Jun-16-2002	511	24.7	1,410	5.0
Jun-17-2002	527	24.6	1,410	5.0
Jun-18-2002	485	25.5	1,500	5.7
Jun-19-2002	477	26.0	1,560	6.0
Jun-20-2002	466	26.0	1,560	6.0
Jun-21-2002	462	25.7	1,530	6.3
Jun-22-2002	460	25.1	1,560	6.2
Jun-23-2002	488	25.4	1,550	6.2
Jun-24-2002	480	25.5	1,410	5.2
Jun-25-2002	471	26.6	1,390	4.6
Jun-26-2002	498	27.1	1,290	4.7
Jun-27-2002	501	26.8	1,310	4.7
Jun-28-2002	482	26.9	1,340	4.3
Jun-29-2002	481	26.8	1,350	4.7
Jun-30-2002	478	NA	1,380	4.9
.
Mean	492	25.4	1,440	4.4

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

See Table 31 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	.	.	.
Apr-03-2002	35	.	.	5,470	P	.	.	.
Apr-10-2002	34	.	.	5,360	50	.	.	.
Apr-17-2002	45	.	.	4,450	66	.	.	.
Apr-24-2002	43	.	.	4,870	P	.	.	.
May-01-2002	42	.	.	4,800	130	.	.	.
May-08-2002	35	.	.	4,990	P	.	.	.
May-15-2002	34	.	.	5,090	110	.	.	.
May-22-2002	54	.	.	3,680	310	.	.	.
May-29-2002	55	.	.	4,120	220	.	.	.
Jun-05-2002	45	.	.	4,500	NA	.	.	.
Jun-12-2002	50	.	.	4,720	300	.	.	.
Jun-19-2002	68	.	.	4,210	270	.	.	.
Jun-26-2002	53	.	.	4,320	230	.	.	.

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

See Table 31 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
Apr-02-2002	34	.	.	5,430	.	79.2	.	7.9
Apr-09-2002	34	.	.	5,420	.	79.2	.	8.1
Apr-16-2002	44	.	.	NA	.	74.6	.	7.4
Apr-23-2002	46	.	.	4,900	.	73.5	.	7.6
Apr-30-2002	47	.	.	5,030	.	71.7	.	7.4
May-07-2002	33	.	.	4,900	.	57.7	.	7.4
May-14-2002	34	.	.	5,070	.	58.3	.	8.2
May-21-2002	56	.	.	NA	.	40.9	.	6.7
May-30-2002	62	.	.	NA	.	37.9	.	6.9
Jun-04-2002	50	.	.	4,470	.	41.8	.	7.4
Jun-11-2002	52	.	.	4,530	.	41.4	.	7.4
Jun-18-2002	69	.	.	4,460	.	46.7	.	8.0
Jun-26-2002	53	.	.	4,260	.	45.0	.	7.2

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

See Table 31 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
Apr-04-2002	35	19.7	8.7	5,530	39	69.8	.	8.7
Apr-11-2002	34	19.6	8.8	5,540	22	82.8	.	8.2
Apr-18-2002	46	16.4	8.7	5,210	26	72.2	.	7.6
Apr-25-2002	42	20.6	8.5	5,250	34	79.4	.	P
May-02-2002	43	17.1	8.4	4,960	70	69.8	.	7.2
May-09-2002	35	19.6	8.5	4,920	32	62.8	.	7.4
May-16-2002	36	21.5	8.5	5,100	31	55.1	.	7.9
May-23-2002	57	18.0	8.4	3,860	72	42.5	.	6.4
May-30-2002	57	27.2	8.2	4,060	P	34.1	.	P
Jun-06-2002	48	24.9	8.3	4,500	P	37.0	.	7.6
Jun-13-2002	51	24.1	8.2	4,460	38	45.2	.	7.6
Jun-20-2002	66	25.1	8.5	4,010	54	44.8	.	6.8
Jun-27-2002	43	24.7	8.4	4,340	74	54.1	.	7.4

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

See Table 31 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
Apr-04-2002	18	17.8	8.1	3,290	0.4	3.0
Apr-11-2002	7	18.9	8.1	3,820	0.5	3.2
Apr-18-2002	13	14.9	8.0	2,080	1.2	1.7
Apr-25-2002	24	20.5	7.8	1,410	0.8	1.1
May-02-2002	6	15.6	8.2	3,050	0.4	2.5
May-09-2002	11	20.5	8.2	1,260	0.6	2.1
May-16-2002	20	21.7	7.1	1,540	0.7	1.2
May-23-2002	28	16.6	8.0	1,660	0.5	1.4
May-30-2002	17	31.4	8.3	2,580	0.5	2.2
Jun-06-2002	14	23.9	8.0	1,590	0.6	1.6
Jun-13-2002	7	25.2	8.3	1,960	<0.4	1.6
Jun-20-2002	36	23.8	8.5	1,190	0.7	0.9
Jun-27-2002	1	24.6	8.2	2,890	<0.4	2.4

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

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

See Table 31 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
Apr-04-2002	53	18.7	8.4	4,720	39.2	6.4
Apr-11-2002	41	19.0	8.4	5,140	54.9	6.8
Apr-18-2002	59	15.7	8.4	4,130	47.8	5.3
Apr-25-2002	66	20.5	8.2	3,650	43.3	P
May-02-2002	49	16.6	8.3	4,770	53.5	6.5
May-09-2002	46	19.6	8.3	4,260	41.3	5.8
May-16-2002	56	20.9	8.3	3,550	32.5	4.8
May-23-2002	85	17.2	8.1	3,380	29.0	5.2
May-30-2002	74	27.3	8.1	3,310	26.5	P
Jun-06-2002	62	24.2	8.1	3,570	25.0	5.8
Jun-13-2002	58	24.5	8.4	4,060	35.7	6.4
Jun-20-2002	102	23.8	8.5	1,400	30.7	4.7
Jun-27-2002	44	25.2	8.6	4,220	46.1	7.3

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

See Table 31 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
Apr-02-2002	.	7.7	6,910	17.0	17.0	5.2
Apr-08-2002	.	8.4	4,700	21.8	47.1	6.1
Apr-17-2002	.	8.3	4,300	25.4	56.7	6.7
Apr-23-2002	.	7.8	3,880	26.4	32.4	4.6
Apr-30-2002	.	8.5	4,680	22.2	51.1	6.4
May-07-2002	.	8.0	4,180	34.0	26.0	4.6
May-14-2002	.	8.4	3,320	23.0	22.0	4.0
May-21-2002	.	8.5	1,820	24.0	28.8	5.0
May-28-2002	.	8.9	3,930	33.3	21.8	5.2
Jun-04-2002	.	8.7	3,940	13.0	26.4	5.3
Jun-10-2002	.	7.8	4,150	22.4	28.6	6.8
Jun-18-2002	.	NA	NA	NA	30.4	7.3
Jun-25-2002	.	7.9	2,990	26.8	20.2	6.2

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

See Table 31 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
Apr-04-2002	175	17.9	7.7	1,780	0.7	0.9
Apr-11-2002	147	18.4	7.7	1,660	<0.4	0.3
Apr-18-2002	136	14.6	7.8	1,640	0.6	0.7
Apr-24-2002	130	20.0	7.7	1,790	0.5	P
May-02-2002	139	16.4	8.1	1,560	0.5	0.7
May-09-2002	97	18.3	7.7	1,670	0.5	0.7
May-16-2002	98	20.5	7.7	1,570	0.5	0.7
May-23-2002	181	17.5	7.6	1,130	0.4	0.5
May-30-2002	94	25.9	7.6	1,340	0.6	P
Jun-06-2002	98	24.4	7.7	1,220	0.5	0.5
Jun-13-2002	168	23.1	8.0	1,240	<0.4	0.6
Jun-20-2002	135	24.7	7.7	1,240	0.7	0.5
Jun-27-2002	174	23.5	7.7	1,020	0.5	0.5

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

See Table 31 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
Apr-03-2002	3	.	.	1,550	2.7	2.0
Apr-10-2002	3	.	.	1,360	3.1	1.6
Apr-17-2002	10	.	.	1,230	1.9	1.2
Apr-24-2002	35	.	.	583	1.1	0.3
May-01-2002	35	.	.	569	1.0	0.3
May-08-2002	10	.	.	557	1.3	0.3
May-15-2002	10	.	.	537	1.2	0.4
May-22-2002	10	.	.	641	1.2	0.4
May-29-2002	0	.	.	656	1.3	0.4
Jun-05-2002	0	.	.	844	1.3	P
Jun-12-2002	10	.	.	672	1.7	0.5
Jun-19-2002	0	.	.	768	1.7	0.7
Jun-26-2002	0	.	.	667	1.1	0.6

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

See Table 31 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
Apr-03-2002	0	.	.	2,690	1.2	4.1
Apr-10-2002	0	.	.	2,670	1.1	4.0
Apr-17-2002	10	.	.	2,230	1.4	3.0
Apr-24-2002	20	.	.	690	1.4	0.5
May-01-2002	65	.	.	524	0.8	0.2
May-08-2002	80	.	.	511	1.1	0.2
May-15-2002	80	.	.	536	0.8	0.2
May-22-2002	60	.	.	576	0.8	0.3
May-29-2002	30	.	.	572	0.9	0.3
Jun-05-2002	30	.	.	646	1.0	P
Jun-12-2002	20	.	.	626	1.2	0.3
Jun-19-2002	20	.	.	496	1.0	0.2
Jun-26-2002	20	.	.	470	0.8	0.3

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

See Table 31 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
Apr-03-2002	20	.	.	997	2.8	0.7
Apr-10-2002	40	.	.	947	1.8	0.7
Apr-17-2002	60	.	.	1,020	1.8	0.7
Apr-24-2002	60	.	.	744	1.2	0.5
May-01-2002	40	.	.	649	1.1	0.4
May-08-2002	10	.	.	861	1.3	0.7
May-15-2002	50	.	.	584	1.1	0.3
May-22-2002	30	.	.	697	1.1	0.5
May-29-2002	0	.	.	1,360	1.3	1.6
Jun-05-2002	30	.	.	707	1.0	P
Jun-12-2002	85	.	.	646	0.8	0.4
Jun-19-2002	70	.	.	674	1.2	0.5
Jun-26-2002	50	.	.	604	1.0	0.4

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

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Conductance	Selenium (total)	Boron
DATA SOURCE	SLDMWA ^{††}	.	.	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	µg/L	mg/L
Apr-03-2002	26	.	.	2,540	1.3	2.8
Apr-10-2002	17	.	.	2,160	1.4	2.3
Apr-17-2002	3	.	.	1,610	1.6	1.0
Apr-24-2002	34	.	.	1,090	1.2	1.1
May-01-2002	74	.	.	1,340	1.1	1.9
May-08-2002	90	.	.	1,130	1.1	0.8
May-15-2002	57	.	.	785	1.2	0.5
May-22-2002	65	.	.	1,030	1.1	1.1
May-29-2002	72	.	.	1,280	1.2	1.8
Jun-05-2002	40	.	.	1,480	1.6	P
Jun-12-2002	13	.	.	1,260	0.7	1.5
Jun-19-2002	46	.	.	929	1.2	0.9
Jun-26-2002	36	.	.	1,300	1.2	1.5

Table 16. Weekly water quality monitoring at Station G (San Joaquin River at Fremont Ford).

See Table 31 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
Apr-04-2002	222	18.9	7.9	1,930	0.6	0.8
Apr-11-2002	188	18.6	7.2	3,830	0.6	0.8
Apr-18-2002	174	15.4	7.8	1,990	0.4	0.7
Apr-25-2002	153	19.5	7.8	2,080	0.4	NA
May-02-2002	156	17.2	7.3	2,000	<0.4	0.7
May-09-2002	128	NA	NA	NA	NA	NA
May-16-2002	109	20.6	7.8	2,330	<0.4	0.7
May-23-2002	193	16.9	7.6	1,240	0.5	0.5
May-30-2002	125	26.3	7.8	1,950	0.4	0.7
Jun-06-2002	150	24.7	7.9	1,420	0.5	0.5
Jun-13-2002	169	23.3	7.2	1,350	<0.4	0.6
Jun-20-2002	127	25.0	7.9	1,460	0.6	0.6
Jun-27-2002	196	24.2	7.7	1,110	0.5	0.5

Table 17. Weekly water quality monitoring at Station H (San Joaquin River at Hills Ferry).

(Collected data intended for use with biological monitoring.)

See Table 31 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
Apr-02-2002	.	.	.	2,570	7.6	1.8
Apr-09-2002	.	.	.	2,740	8.8	1.9
Apr-16-2002	.	.	.	2,350	8.9	1.7
Apr-23-2002	.	.	.	2,330	9.5	1.7
Apr-30-2002	.	.	.	2,510	13.2	1.8
May-07-2002	.	.	.	2,080	5.3	1.2
May-16-2002	.	.	.	2,840	10.1	2.0
May-21-2002	.	.	.	1,960	7.9	1.5
May-28-2002	.	.	.	2,010	6.5	1.5
Jun-05-2002	.	.	.	1,900	6.5	1.4
Jun-11-2002	.	.	.	2,740	11.3	2.4
Jun-18-2002	.	.	.	2,470	12.8	2.1
Jun-25-2002	.	.	.	1,780	9.4	1.4

Table 18. Weekly water quality monitoring at Station N (San Joaquin River at Crow's Landing).

See Table 31 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
Apr-04-2002	605	19.1	8.0	1,890	3.8	1.3
Apr-11-2002	594	19.6	8.0	1,680	3.9	1.1
Apr-18-2002	698	16.1	8.0	1,380	3.9	0.9
Apr-25-2002	804	19.3	7.9	1,120	3.5	0.7
May-02-2002	1,090	16.1	7.9	752	2.9	0.5
May-09-2002	1,330	NA	NA	NA	NA	NA
May-16-2002	775	NA	NA	1,040	2.1	0.7
May-23-2002	628	18.0	7.6	1,160	3.8	1.0
May-30-2002	557	24.8	7.9	1,330	3.4	1.0
Jun-06-2002	522	24.9	7.9	1,290	3.1	1.1
Jun-13-2002	459	22.6	7.8	1,470	3.4	1.3
Jun-20-2002	466	24.1	7.5	1,480	5.3	1.3
Jun-27-2002	501	25.2	8.2	1,320	4.9	1.2

Table 19. Summary of fathead minnow (*Pimephales promelas*) larvae survival in 7-day tests using water samples collected from July 2001 to June 2002. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 31 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	%	%	%	%	%	%
Jul-2001	90	93	98	100	93	98
Aug-2001	95	95	98	95	98	98
Sep-2001	98	100	90	100	100	98
Oct-2001	100	98	100	100	100	100
Nov-2001	98	83ε	60*	88	100	100
Dec-2001	98	55*	68*	90	98	100
Jan-2002	83	95	98	100	100	98
Feb-2002	93	90	93	95	93	100
Mar-2002	98	90	98	80	88	98
Apr-2002	93	93	85	95	95	98
May-2002	98	95	95	90	85	88
Jun-2002	98	100	100	95	95	100

Table 20. Summary of fathead minnow (*Pimephales promelas*) larvae growth in 7-day tests using water samples collected from July 2001 to June 2002. Each value is the mean of 4 replicates with 10 fish in each replicate.

See Table 31 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
Jul-2001	0.42	0.39	0.48	0.47	0.45	0.44
Aug-2001	0.43	0.44	0.35	0.38	0.36	0.36
Sep-2001	0.43	0.43	0.44	0.42	0.34	0.36
Oct-2001	0.63	0.71	0.78	0.65	0.66	0.58
Nov-2001	0.70	0.49	0.49	0.59	0.67	0.52
Dec-2001	0.48	0.34*	0.41	0.55	0.47	0.50
Jan-2002	0.39	0.41	0.44	0.51	0.44	0.40
Feb-2002	0.55	0.47	0.58	0.55	0.52	0.42
Mar-2002	0.40	0.47	0.50	0.41	0.43	0.48
Apr-2002	0.64	0.63	0.50	0.63	0.55	0.58
May-2002	0.63	0.70	0.62	0.65	0.61	0.56
Jun-2002	0.38	0.43	0.41	0.42	0.31	0.50

Table 21. Summary of *Daphnia magna* survival in 7-day tests using water samples collected from July 2001 to June 2002. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 31 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	%	%	%	%	%	%
Jul-2001	100	100	60*	80	90	90
Aug-2001	50*	100	30*	100	90	90
Sep-2001	80	100	90	100	90	80
Oct-2001	90	100	90	90	70*†	90
Nov-2001	100	89	90	100	80	90
Dec-2001	90	100	90	90	100	100
Jan-2002	100	90	80	100	100	67†
Feb-2002	100	80	90	90	100	100
Mar-2002	90	100	100	100	90	100
Apr-2002	100	90	100	90	100	100
May-2002	80	100	80	100	89	30†
Jun-2002	100	90	90	90	100	90

Table 22. Summary of *Daphnia magna* reproduction in 7-day tests using water samples collected from July 2001 to June 2002. Each value is the mean of 10 replicates with 1 animal in each replicate.

See Table 31 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
Jul-2001	25.3	28.5	16.8	17.7	26.2	15.9
Aug-2001	11.7*	42.9	15.5*	52.5	27.1	36.3
Sep-2001	27.7	31.5	32.5	31.5	25.6	20.7
Oct-2001	39.5	39.1	29.8	35.3	21.1	31.7
Nov-2001	27.4	28.2	34.2	33.4	25.4	29.6
Dec-2001	41.3	45.9	43.3	42.4	45.1	36.7
Jan-2002	29.4	29.3	23.6	30.5	30.1	11.9
Feb-2002	42.8(*)	37.7	42.0	40.6	47.4	32.4
Mar-2002	47.2	47.7	49.8	45.8	54.5	50.2
Apr-2002	56.2	43.4	59.8	49.3	49.5	47.3
May-2002	26.4	36.5	30.7	37.2	27.9	2.9†
Jun-2002	40.0	36.1	43.1	24.3*	45.3	28.6

Table 23. Summary of *Selenastrum capricornutum* growth in 4-day tests using water samples collected from July 2001 to June 2002. Each value is the mean of 4 replicates.

See Table 31 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
Jul-2001	8.3	8.5	8.5	9.4	8.0	9.1
Aug-2001	10.4*	12.4	3.0*	15.6	13.8	10.0
Sep-2001	6.5*	13.0	11.3	12.3	10.8	9.6
Oct-2001	9.1	10.7	11.3	11.4	10.3	9.3
Nov-2001	6.0*	11.1	11.0	10.0	9.2 †††	6.4 †††
Dec-2001	7.5*	9.4	9.6	9.3	8.9 †††	9.1 †††
Jan-2002	6.3*†††	19.2	17.4	24.7	15.1	10.1
Feb-2002	8.7*	17.3	14.9*	12.7*	18.2	12.6
Mar-2002	8.7*	14.2*	12.9*	18.3	17.8	13.5
Apr-2002	1.44*	7.0	4.4*	6.6	5.8	33.0
May-2002	4.8 ‡	7.9	6.1	6.3	7.1 †††	3.8 ‡
Jun-2002	3.7*	9.5	7.7*	6.8*	11.7	10.2

Table 24. Summary of selenium concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, April 2002 to June 2002.

See Table 31 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
Apr-22-2002	62	0.6	52	0.7	0.4
Apr-24-2002	78	0.8	37	0.8	0.4
Apr-26-2002	70	0.7	48	0.7	<0.4
May-20-2002	52	0.7	38	0.5	<0.4
May-22-2002	34	0.6	25	0.5	<0.4
May-24-2002	46	0.8	27	0.5	<0.4
Jun-24-2002	48	0.9	29	0.5	<0.4
Jun-26-2002	48	0.8	38	0.7	<0.4
Jun-28-2002	52	0.5	50	0.7	0.5

Table 25. Summary of total suspended solids concentrations in grab water samples collected from April 2002 to June 2002.

See Table 31 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
Apr-22-2002	59	45	85	129	12
Apr-24-2002	45	82	82	104	14
Apr-26-2002	31	127	93	198	37
May-20-2002	42	52	48	139	2
May-22-2002	47	79	84	138	4
May-24-2002	43	55	54	148	8
Jun-24-2002	52	36	46	119	72
Jun-26-2002	69	81	82	168	62
Jun-28-2002	57	34	47	159	43

Table 26. Monthly Flow and Salinity of Water at San Luis Drain.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station B				Salinity at Station B				
	Mean daily	S	Total	S	FW EC	S	TDS	Salt load	S
	UNITS cfs		acre-feet		μ S/cm		mg/L	tons	
Oct-2000	20.6	G	1,270	G	3,930	G	2,908	4,991	Gr
Nov-2000	19.8	G	1,180	G	3,960	G	2,930	4,690	Gr
Dec-2000	23.7	G	1,460	G	3,910	G	2,893	5,733	Gr
Jan-2001	27.9	G	1,720	G	4,020	G	2,975	6,946	Gr
Feb-2001	56.0	G	3,110	G	4,245	Gr	3,141	13,279	Gr
Mar-2001	56.8	G	3,490	G	5,080	G	3,759	17,747	Gr
Apr-2001	35.8	G	2,130	G	5,090	G	3,767	10,926	Gr
May-2001	39.9	G	2,454	G	4,488	Gr	3,321	11,082	Gr
Jun-2001	52.6	G	3,130	G	4,276	Gr	3,164	13,461	Gr
Jul-2001	57.9	G	3,560	G	3,870	G	2,864	13,833	Gr
Aug-2001	55.9	G	3,440	G	3,500	G	2,590	12,074	Gr
Sep-2001	22.0	G	1,310	G	4,060	G	3,004	5,246	Gr
Oct-2001	18.0	Gr	1,110	Gr	3,877	Gr	2,869	4,329	Gr
Nov-2001	22.2	Gr	1,320	Gr	3,781	Gr	2,798	5,027	Gr
Dec-2001	20.5	Gr	1,260	Gr	4,219	Gr	3,122	5,339	Gr
Jan-2002	27.1	Gr	1,670	Gr	4,282	Gr	3,169	7,188	Gr
Feb-2002	49.2	Gr	2,730	Gr	4,312	Gr	3,191	11,853	Gr
Mar-2002	54.8	Gr	3,370	Gr	4,390	Gr	3,248	14,897	Gr
Apr-2002	40.8	Gr	2,430	Gr	4,648	Gr	3,439	11,365	Gr
May-2002	43.0	Gr	2,640	Gr	4,172	Gr	3,087	11,092	Gr
Jun-2002	55.9	Gr	3,320	Gr	3,930	Gr	2,908	13,148	Gr

Table 27. Monthly Flow and Salinity of Water at Mud Slough.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station D				Salinity at Station D				
	Mean daily	S	Total	S	FW EC	S	TDS	Salt load	S
	UNITS cfs		acre-feet		μ S/cm		mg/L	tons	
Oct-2000	183.0	G	11,234	Gr	1,250	G	863	12,741	Gr
Nov-2000	157.2	G	9,356	Gr	1,696	Gr	1,170	14,891	Gr
Dec-2000	149.0	G	9,162	Gr	2,011	Gr	1,388	17,286	Gr
Jan-2001	183.9	G	11,310	Gr	2,090	G	1,442	21,903	Gr
Feb-2001	220.2	G	12,230	Gr	2,546	Gr	1,757	29,224	Gr
Mar-2001	241.9	G	14,872	Gr	3,050	G	2,105	39,046	Gr
Apr-2001	73.6	G	4,380	Gr	3,975	Gr	2,743	16,336	Gr
May-2001	74.6	G	4,590	Gr	2,492	Gr	1,719	10,733	Gr
Jun-2001	64.6	G	3,842	Gr	3,670	G	2,532	13,088	Gr
Jul-2001	72.2	G	4,437	Gr	3,870	G	2,670	16,043	Gr
Aug-2001	64.1	G	3,941	Gr	3,630	G	2,505	13,406	Gr
Sep-2001	59.1	G	3,517	Gr	2,946	Gr	2,033	9,723	Gr
Oct-2001	124.1	Gr	7,630	Gr	1,572	Gr	1,085	11,253	Gr
Nov-2001	169.7	Gr	10,100	Gr	1,660	Gr	1,145	15,726	Gr
Dec-2001	130.8	Gr	8,040	Gr	2,171	Gr	1,498	16,381	Gr
Jan-2002	150.6	Gr	9,260	Gr	2,349	Gr	1,621	20,412	Gr
Feb-2002	149.1	Gr	8,280	Gr	2,866	Gr	1,977	22,264	Gr
Mar-2002	139.0	Gr	8,550	Gr	3,362	Gr	2,320	26,973	Gr
Apr-2002	56.8	Gr	3,380	Gr	4,067	Gr	2,806	12,898	Gr
May-2002	64.4	Gr	3,960	Gr	3,386	Gr	2,336	12,584	Gr
Jun-2002	72.2	Gr	4,300	Gr	3,512	Gr	2,424	14,167	Gr

Table 28. Monthly Flow and Salinity of Water at Salt Slough.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station F				Salinity at Station F				
	Mean daily	S	Total	S	FW EC	S	TDS	Salt load	S
	UNITS cfs		acre-feet		μ S/cm		mg/L	tons	
Oct-2000	127.4	G	7,831	Gr	1,044	Gr	710	7,559	Gr
Nov-2000	142.1	G	8,456	Gr	1,622	Gr	1,103	12,685	Gr
Dec-2000	144.1	G	8,858	Gr	1,231	Gr	837	10,085	Gr
Jan-2001	195.0	G	11,964	Gr	1,503	Gr	1,022	16,687	Gr
Feb-2001	262.0	G	14,563	Gr	1,540	G	1,047	20,497	Gr
Mar-2001	398.3	G	24,484	Gr	1,540	G	1,047	34,001	Gr
Apr-2001	234.5	G	13,962	Gr	1,450	G	986	18,739	Gr
May-2001	160.0	G	9,858	Gr	1,320	G	898	11,864	Gr
Jun-2001	160.5	G	9,553	Gr	1,220	G	830	10,682	Gr
Jul-2001	181.6	G	11,167	Gr	1,092	Gr	743	11,276	Gr
Aug-2001	156.6	G	9,632	Gr	1,120	G	762	9,708	Gr
Sep-2001	59.9	G	3,564	Gr	1,520	G	1,034	4,952	Gr
Oct-2001	94.9	Gr	5,830	Gr	1,402	Gr	967	7,563	Gr
Nov-2001	147.3	Gr	8,770	Gr	1,449	Gr	1,000	11,748	Gr
Dec-2001	126.3	Gr	7,760	Gr	1,757	Gr	1,212	12,611	Gr
Jan-2002	124.5	Gr	7,660	Gr	2,031	Gr	1,401	14,379	Gr
Feb-2002	184.5	Gr	10,250	Gr	1,527	Gr	1,053	14,466	Gr
Mar-2002	274.3	Gr	16,860	Gr	1,719	Gr	1,186	26,811	Gr
Apr-2002	154.9	Gr	9,220	Gr	1,615	Gr	1,114	13,766	Gr
May-2002	127.7	Gr	7,850	Gr	1,390	Gr	959	10,093	Gr
Jun-2002	141.2	Gr	8,400	Gr	1,204	Gr	831	9,351	Gr

Table 29. Monthly Flow and Salinity of Water at San Joaquin River at Crow's Landing.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow at Station N				Salinity at Station N				
	Mean daily	S	Total	S	FW EC	S	TDS	Salt load	S
	UNITS cfs		acre-feet		μ S/cm		mg/L	tons	
Oct-2000	1050.0	G	64,622	Gr	738	G	458	34,895	Gr
Nov-2000	1050.0	G	62,365	Gr	738	G	458	38,171	Gr
Dec-2000	831.0	G	51,105	Gr	1,080	G	670	46,134	Gr
Jan-2001	965.0	G	59,338	Gr	1,250	G	775	61,973	Gr
Feb-2001	1090.0	G	60,745	Gr	1,420	G	880	71,151	Gr
Mar-2001	1590.0	G	97,685	Gr	1,410	G	874	108,023	Gr
Apr-2001	1210.0	G	71,848	Gr	1,051	Gr	652	63,652	Gr
May-2001	1160.0	G	71,229	Gr	1,178	Gr	730	70,762	Gr
Jun-2001	524.0	G	31,187	Gr	1,380	G	856	36,057	Gr
Jul-2001	521.0	G	32,051	Gr	1,310	G	812	35,425	Gr
Aug-2001	472.0	G	28,999	Gr	1,320	Gr	818	32,284	Gr
Sep-2001	374.0	G	22,251	Gr	1,340	G	831	25,028	Gr
Oct-2001	742.1	Gr	45,630	Gr	768	Gr	476	29,552	Gr
Nov-2001	990.1	Gr	58,920	Gr	805	Gr	499	39,975	Gr
Dec-2001	948.5	Gr	58,330	Gr	1,016	Gr	630	49,951	Gr
Jan-2002	1195.5	Gr	73,510	Gr	845	Gr	524	52,402	Gr
Feb-2002	798.0	Gr	44,320	Gr	NA		NA	NA	
Mar-2002	865.0	Gr	53,190	Gr	1,787	Gr	1,108	80,142	Gr
Apr-2002	699.0	Gr	41,590	Gr	1,347	Gr	835	47,248	Gr
May-2002	935.3	Gr	57,510	Gr	818	Gr	507	39,645	Gr
Jun-2002	492.4	Gr	29,300	Gr	1,406	Gr	871	34,727	Gr

Table 30. Summary of sediment monitoring results from March 1996 to March 2002. Concentrations in µg/g dry weight.

See Table 31 for explanation of footnotes and agency abbreviations.

Station Code	PARAMETER	Selenium			Organic Carbon			Percent Moisture		
		DEPTH			0-3 cm			0-3 cm		
		SOURCE			0-3 cm	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core
		UNITS			USBR	USBR	USBR	USBR	USBR	USBR
Station Name		µg/g (dry)	µg/g (dry)	µg/g (dry)	%	%	%	%	%	%
Station C:	Mar-12-1996	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mud Slough North	May-20-1996	0.2	0.2	0.1	0.8	0.6	0.6	38.5	39.4	36.6
upstream of	Jun-27-1996	0.1	<0.1	0.1	0.49	0.40	0.14	34.00	30.00	25.20
drainage discharges	Sep-04-1996	0.3	0.1	<0.1	0.38	0.53	0.53	33.10	36.50	40.60
	Nov-12-1996	0.16	0.17	0.31	0.26	0.28	0.95	*	*	*
	Mar-12-1997	0.15	<0.10	0.11	0.35	0.28	0.68	*	*	*
	Jun-09-1997	0.11	0.20	<0.10	0.31	0.27	0.16	30.00	53.00	28.00
	Sep-11-1997	0.23	0.12	0.44	0.41	0.19	0.92	32.70	24.30	38.60
	Nov-17-1997	0.10	0.10	0.10	0.27	0.18	0.32	28.70	26.70	65.50
	Mar-03-1998	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Jun-04-1998	0.26	0.31	0.10	0.58	0.62	0.33	35.30	29.40	49.20
	Sep-28-1998	0.40	0.35	0.31	0.77	0.70	0.53	40.70	39.10	35.20
	Nov-09-1998	0.34	0.23	0.14	0.55	0.66	0.33	35.10	32.10	30.70
	Feb-09-1999	0.20	0.13	0.51	0.28	0.21	0.85	33.50	30.70	34.20
	Jun-18-1999	0.29	0.19	0.25	0.40	0.22	0.20	34.30	25.30	28.10
	Sep-16-1999	0.27	0.32	0.25	0.60	0.67	0.54	36.90	35.50	36.80
	Nov-17-1999	0.10	0.10	0.15	0.15	0.25	1.12	30.20	30.40	32.00
	Mar-01-2000	3.90	<0.10	<0.10	2.08	0.37	0.45	28.40	34.80	31.60
	Jun-07-2000	0.10	0.13	<0.10	0.23	0.37	0.14	26.20	21.50	20.30
	Sep-27-2000	0.16	0.17	0.15	0.42	0.41	0.32	30.00	30.10	28.00
	Nov-14-2000	<0.10	<0.10	0.11	0.15	0.12	0.07	28.70	23.50	22.20
	Mar-14-2001	0.19	0.23	0.40	0.33	0.28	0.59	25.50	24.80	29.30
	Jun-04-2001	0.14	0.12	0.13	0.65	0.33	0.37	37.60	32.10	28.80
	Aug-08-2001	0.16	0.19	0.16	0.46	0.43	0.41	30.00	26.50	32.10
	Nov-13-2001	0.09	0.10	0.08	0.02	0.29	0.15	28.90	31.60	27.90
	Mar-01-2002	0.10	0.23	0.10	0.07	0.34	0.01	27.60	28.40	24.40
Station D:	Mar-12-1996	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mud Slough North	Apr-03-1996	<0.1	0.1	<0.1	0.50	0.50	0.50	23.90	25.20	23.70
downstream of	Jun-27-1996	0.4	0.4	0.2	0.26	0.35	0.19	32.90	26.20	28.50
drainage discharges	Sep-04-1996	0.20	0.20	0.20	0.22	0.20	0.20	25.80	27.00	26.50
	Nov-13-1996	0.14	0.25	0.17	0.14	0.12	0.12	*	*	*
	Mar-12-1997	0.46	0.27	0.76	0.28	0.17	0.28	*	*	*
	Jun-09-1997	0.12	<0.10	0.16	0.07	0.06	0.11	21.00	21.00	25.00
	Sep-11-1997	0.5	0.3	0.3	0.24	0.22	0.16	27.70	28.50	22.60
	Nov-17-1997	0.7	0.2	0.2	0.54	0.09	0.14	30.40	25.80	18.80
	Mar-03-1998	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Jun-03-1998	0.63	1.20	1.30	0.26	1.10	0.68	27.20	34.80	38.90
	Sep-28-1998	0.64	0.47	0.50	0.29	0.27	0.21	34.60	27.70	26.50
	Nov-10-1998	0.34	0.23	0.45	0.15	0.13	0.18	30.00	29.20	33.30
	Feb-09-1999	0.29	0.40	0.38	0.18	0.27	0.51	26.60	28.00	32.60
	Jun-18-1999	0.60	0.60	0.83	0.79	0.54	0.72	38.00	35.60	35.60
	Sep-16-1999	0.68	0.53	0.81	0.44	0.51	0.85	36.70	35.00	39.80
	Nov-17-1999	0.81	0.54	0.67	0.60	0.55	0.42	40.40	33.70	29.50
	Mar-01-2000	0.71	0.83	0.34	0.41	1.10	0.19	33.60	31.20	19.80
	Jun-07-2000	0.12	0.14	0.17	0.16	0.15	0.19	23.00	20.80	21.90
	Sep-27-2000	0.39	0.22	0.35	0.18	0.13	0.22	37.00	25.80	23.50
	Nov-14-2000	0.11	0.12	0.24	0.13	0.13	0.08	29.00	24.10	16.20
	Mar-14-2001	0.21	0.23	0.23	0.06	0.09	0.06	18.20	19.80	20.20
	Jun-04-2001	0.20	0.19	0.20	0.17	0.14	0.13	24.10	26.00	25.00
	Aug-08-2001	0.26	0.19	0.14	0.14	0.12	0.09	24.50	18.00	20.50
	Nov-13-2001	0.15	0.18	0.09	0.15	0.06	0.08	24.10	25.10	25.50
	Mar-01-2002	0.11	0.10	0.16	0.08	0.08	0.01	19.60	18.80	23.30

Table 30. Summary of sediment monitoring results from March 1996 to March 2002. Concentrations in µg/g dry weight (continued).

See Table 31 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 E: Mud Slough at Highway 140	Mar-12-1996	NT	NT	NT	NT	NT	NT	NT	NT	NT
	May-20-1996	0.1	0.1	0.1	0.70	1.00	0.70	41.10	35.80	34.50
	Jun-27-1996	0.1	0.1	<0.1	1.08	0.45	0.40	37.90	32.70	30.90
	Sep-04-1996	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nov-13-1996	0.72	0.71	0.70	0.38	0.30	0.31	*	*	*
	Mar-13-1997	0.82	1.00	1.00	0.12	0.16	0.06	*	*	*
	Jun-09-1997	1.50	1.60	1.50	0.65	0.72	0.74	44.00	40.00	44.00
	Sep-11-1997	1.6	1.3	1.9	0.69	0.52	0.78	42.00	34.20	45.80
	Nov-17-1997	0.8	2.0	1.2	0.29	0.31	0.39	29.30	27.70	29.30
	Mar-03-1998	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Jun-03-1998	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Sep-29-1998	0.24	0.18	0.25	0.16	0.18	0.21	31.60	26.70	26.80
	Nov-10-1998	0.25	0.18	0.30	0.13	0.15	0.39	31.80	25.60	32.50
	Feb-10-1999	0.32	0.48	0.78	0.32	0.54	0.45	37.40	38.00	43.50
	Jun-18-1999	0.48	0.30	0.47	0.24	0.16	0.32	33.10	27.40	49.70
	Sep-17-1999	0.96	0.54	0.20	0.44	0.24	0.08	44.00	29.90	8.20
	Nov-18-1999	0.38	0.17	0.39	0.17	0.13	0.26	28.00	28.40	30.70
	Mar-02-2000	0.19	0.13	0.23	0.32	0.13	0.23	36.00	36.20	27.10
	Jun-07-2000	0.29	0.26	0.78	0.19	0.19	0.30	26.60	19.10	30.40
	Sep-27-2000	0.54	0.46	0.93	0.20	0.23	0.51	33.40	29.30	29.40
Nov-14-2000	0.56	0.18	0.32	0.30	0.14	0.22	20.00	17.50	20.20	
Mar-14-2001	0.68	0.54	0.36	0.40	0.07	0.11	29.60	26.20	27.00	
Jun-06-2001	0.33	0.78	0.55	0.18	0.28	0.27	28.00	30.20	19.70	
Aug-08-2001	0.36	0.47	0.59	0.14	0.24	0.24	20.20	21.70	25.10	
Nov-13-2001	0.80	0.45	0.31	0.25	0.37	0.15	26.70	32.30	28.00	
Mar-01-2002	0.38	0.46	0.74	0.15	0.20	0.26	24.60	20.60	26.80	
Station F: Salt Slough at Highway 165	Mar-12-1996	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Jun-27-1996	0.6	0.5	0.2	0.69	0.58	0.18	41.90	33.30	28.90
	Sep-05-1996	0.4	0.8	0.4	0.44	0.75	0.25	38.70	40.60	29.70
	Nov-13-1996	0.24	0.40	0.25	0.05	0.16	0.05	*	*	*
	Mar-13-1997	0.94	0.36	0.57	0.56	0.36	0.32	*	*	*
	Jun-09-1997	0.12	0.14	0.35	0.08	0.12	0.26	26.00	20.00	29.00
	Sep-12-1997	0.59	0.73	0.74	0.23	0.22	0.23	28.00	26.90	23.80
	Nov-18-1997	1.3	1.9	1.4	1.16	1.43	1.12	47.30	46.90	44.60
	Mar-04-1998	2.1	1.8	1.6	2.32	1.97	2.11	42.00	70.00	42.20
	Jun-04-1998	0.66	1.0	1.3	0.49	0.59	1.48	34.80	31.20	50.70
	Sep-29-1998	0.33	0.48	0.59	0.26	0.31	0.23	26.80	26.10	29.20
	Nov-10-1998	0.28	0.55	0.70	0.21	0.26	0.33	26.70	33.70	29.00
	Feb-10-1999	0.59	0.56	0.93	0.40	0.32	0.19	33.10	30.50	31.60
	Jun-18-1999	0.37	0.52	0.70	0.22	0.27	0.37	29.80	26.30	28.50
	Sep-17-1999	0.53	0.65	0.62	0.49	0.53	0.22	35.50	36.80	28.60
	Nov-18-1999	0.27	0.25	0.42	0.33	0.24	0.26	36.50	28.90	29.30
	Mar-02-2000	0.35	0.45	0.59	0.29	0.26	0.32	23.80	23.30	21.20
	Jun-07-2000	0.30	0.37	0.52	0.24	0.24	0.35	27.90	24.60	20.50
	Sep-27-2000	0.43	0.68	0.53	0.34	0.24	0.34	36.80	37.10	33.80
	Nov-14-2000	0.22	0.39	0.52	0.18	0.25	0.20	25.60	25.20	27.00
Mar-14-2001	0.38	0.22	0.77	0.40	0.23	0.48	29.10	26.70	37.00	
Jun-06-2001	0.66	0.44	0.73	0.21	0.22	0.27	27.40	24.50	25.30	
Aug-08-2001	0.36	0.70	0.56	0.31	0.18	0.34	28.40	21.40	21.50	
Nov-13-2001	0.20	0.23	0.30	0.38	0.42	0.46	28.90	31.00	27.60	
Mar-01-2002	0.43	0.73	0.46	0.69	0.20	0.55	36.40	20.50	25.60	
Station I/2: Mud Slough: Seasonal backwater tributary Reported annually	Jun-13-1996	0.4	0.4	0.3	1.60	1.30	1.20	7.80	17.20	24.90
	Mar-13-1997	1.5	0.8	0.4	1.76	0.79	0.56	*	*	*
	Jun-03-1998	0.3	0.2	0.2	0.47	0.69	0.55	26.40	20.60	20.30
	Jun-18-1999	4.8	4.5	4.4	1.90	1.89	1.96	16.10	25.10	25.90
	Mar-01-2000	0.2	1.7	1.0	0.43	1.35	0.90	44.30	33.70	30.80
	Jun-07-2000	4.4	2.2	1.7	1.92	1.55	1.39	4.60	20.90	20.10
	Nov-14-2000	3.5	1.5	2.2	1.91	1.17	1.23	39.60	29.10	33.80
	Mar-14-2001	0.8	1.3	1.6	0.80	1.16	1.01	28.30	30.50	33.30
	Jun-06-2001	0.5	0.3	0.4	0.49	0.57	0.52	36.50	34.30	32.20
	Aug-08-2001	0.3	0.3	0.2	0.26	0.28	0.14	22.90	24.10	25.00
	Nov-14-2001	6.1	3.7	3.5	1.93	1.51	1.63	60.90	48.20	49.80
Mar-01-2002	8.3	5.7	2.6	2.65	2.58	2.04	59.60	58.10	51.10	

Table 31. 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 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
Gr	Total or average calculated from USGS 15 minute EC data
L	Lawrence Berkeley Laboratory 15 minute flow and EC data
Lr	Total or average calculated from LBL 15 minute EC data
TDS	Total dissolved solids

ε EPA Station C split sample results significantly different. See Table 19.

LOCATION	Station B	Station C	Station D	Station F	Delta Mendota Canal	Laboratory Control
DATA SOURCE	EPA	EPA	EPA	EPA	EPA	EPA
UNITS	%	%	%	%	%	%
Nov-2001	100	58	64	90	100	100