

GRASSLAND BYPASS PROJECT

QUARTERLY DATA REPORT

July, August and September 2001

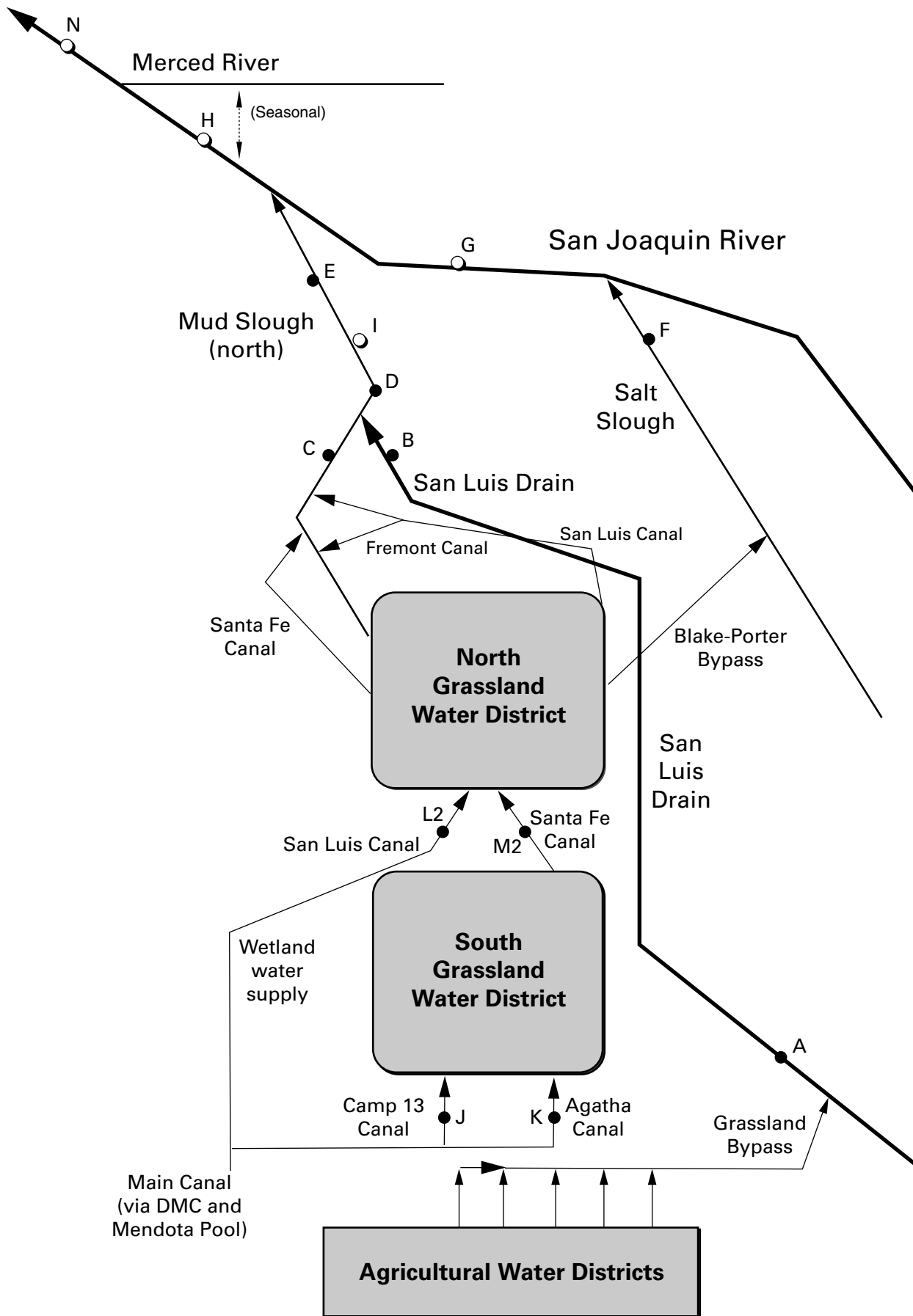
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A cooperative effort of:

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

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QUARTERLY DATA REPORT

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Table 1. Continuous water monitoring at Station A (inflow to San Luis Drain), July, August, September 2001.

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	July	July	August	August	September	September
Day 1	58	3,970	59	4,480	50	4,160
Day 2	60	3,400	55	4,270	36	4,740
Day 3	59	3,930	55	4,140	31	4,890
Day 4	59	3,880	56	3,930	31	4,930
Day 5	61	3,830	61	3,960	33	4,530
Day 6	67	3,750	61	3,760	32	4,650
Day 7	62	3,860	59	3,490	30	4,730
Day 8	62	3,750	56	3,690	33	3,900
Day 9	62	3,760	56	3,960	28	4,600
Day 10	57	3,870	55	3,910	23	5,190
Day 11	60	3,940	49	3,920	22	5,290
Day 12	59	4,290	53	4,100	17	5,100
Day 13	59	4,450	54	4,020	17	4,700
Day 14	56	4,430	57	3,830	12	4,470
Day 15	60	4,550	61	3,620	11	4,660
Day 16	59	4,810	59	3,860	10	4,580
Day 17	64	4,770	57	3,910	12	4,460
Day 18	59	4,810	56	3,820	13	4,990
Day 19	60	4,690	57	4,010	14	5,210
Day 20	57	4,610	56	4,160	14	5,300
Day 21	55	4,720	52	4,280	12	5,050
Day 22	59	4,850	48	4,160	11	5,020
Day 23	59	4,680	49	4,110	9	4,770
Day 24	54	4,790	62	3,980	8	4,860
Day 25	53	4,690	54	4,090	7	5,180
Day 26	54	4,690	50	4,580	7	5,390
Day 27	52	4,580	51	4,700	6	5,440
Day 28	52	4,480	49	4,880	7	4,490
Day 29	52	4,360	53	4,760	6	4,630
Day 30	54	4,240	50	4,350	8	4,120
Day 31	56	4,350	49	4,260	.	.
Mean	58	4,320	55	4,100	18	4,800

Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), July 2001

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
Jul-01-2001	57	26.8	7.5	4,210	44.2	13.6
Jul-02-2001	59	27.3	7.2	4,010	41.0	13.0
Jul-03-2001	59	28.4	7.1	3,970	41.9	13.3
Jul-04-2001	59	28.3	6.9	3,890	46.7	14.9
Jul-05-2001	59	27.8	NA	NA	46.6	14.8
Jul-06-2001	60	27.3	6.6	4,240	46.5	15.0
Jul-07-2001	66	26.9	6.6	4,180	43.8	15.6
Jul-08-2001	62	27.3	6.6	4,050	38.5	12.9
Jul-09-2001	62	27.7	6.1	3,960	38.1	12.7
Jul-10-2001	60	27.3	6.6	4,140	41.3	13.4
Jul-11-2001	58	26.2	6.2	3,900	35.3	11.0
Jul-12-2001	60	25.0	6.2	3,880	34.0	11.0
Jul-13-2001	60	24.8	6.4	3,990	33.6	10.9
Jul-14-2001	59	25.7	6.3	4,050	37.7	12.0
Jul-15-2001	57	25.2	6.2	4,200	41.1	12.6
Jul-16-2001	59	23.6	6.3	4,170	40.1	12.8
Jul-17-2001	59	23.1	6.7	4,090	37.3	11.9
Jul-18-2001	63	24.0	6.8	4,190	41.7	14.2
Jul-19-2001	59	24.9	7.1	4,400	47.4	15.1
Jul-20-2001	59	25.1	7.4	4,550	49.6	15.8
Jul-21-2001	57	24.8	7.4	4,580	49.0	15.1
Jul-22-2001	55	24.8	7.2	4,520	48.5	14.4
Jul-23-2001	58	25.7	7.1	4,420	48.4	15.1
Jul-24-2001	57	26.6	7.3	4,450	42.8	13.2
Jul-25-2001	54	26.8	7.5	4,680	53.1	15.5
Jul-26-2001	53	27.0	7.0	4,500	46.7	13.3
Jul-27-2001	54	27.4	7.3	4,510	42.0	12.2
Jul-28-2001	52	27.7	7.4	4,440	44.7	12.5
Jul-29-2001	52	27.5	7.3	4,400	45.1	12.6
Jul-30-2001	52	26.2	7.2	4,330	44.9	12.6
Jul-31-2001	55	25.9	7.2	4,230	42.9	12.7
Mean	58	26.2	6.9	4,240	43.0	
Total						416

Load Limitation for July 2001	(lbs)	509
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Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), August 2001.

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
Aug-01-2001	56	26.3	7.1	4,150	42.1	12.7
Aug-02-2001	59	26.3	6.5	3,810	36.9	11.7
Aug-03-2001	55	26.2	6.9	4,180	43.8	13.0
Aug-04-2001	56	26.4	6.8	4,310	48.7	14.7
Aug-05-2001	57	26.5	6.5	4,100	42.2	13.0
Aug-06-2001	61	26.6	6.7	4,040	40.2	13.2
Aug-07-2001	61	27.0	6.2	3,710	34.4	11.3
Aug-08-2001	59	28.1	6.3	3,720	35.7	11.4
Aug-09-2001	56	28.2	5.9	3,540	31.6	9.5
Aug-10-2001	56	27.3	5.5	3,310	25.9	7.8
Aug-11-2001	55	26.4	5.5	3,300	27.7	8.2
Aug-12-2001	51	26.1	5.7	3,530	30.9	8.5
Aug-13-2001	54	25.6	5.8	3,640	33.5	9.8
Aug-14-2001	56	25.4	5.9	3,560	28.2	8.5
Aug-15-2001	59	25.7	6.1	3,680	30.2	9.6
Aug-16-2001	61	26.0	6.1	3,520	34.9	11.5
Aug-17-2001	60	26.4	5.6	3,570	32.0	10.4
Aug-18-2001	58	26.8	5.1	3,330	28.4	8.9
Aug-19-2001	57	26.8	5.5	3,560	31.3	9.6
Aug-20-2001	57	26.1	5.8	3,660	32.8	10.1
Aug-21-2001	56	24.9	5.7	3,570	30.7	9.3
Aug-22-2001	53	24.3	5.9	3,740	35.0	10.0
Aug-23-2001	50	24.2	5.8	3,760	42.7	11.5
Aug-24-2001	52	24.8	6.0	3,900	47.6	13.3
Aug-25-2001	62	25.4	6.1	3,900	44.3	14.8
Aug-26-2001	55	26.0	5.9	3,760	40.0	11.9
Aug-27-2001	52	26.4	5.4	3,640	41.3	11.6
Aug-28-2001	53	26.6	5.2	3,580	43.2	12.3
Aug-29-2001	50	26.5	6.1	3,930	45.1	12.2
Aug-30-2001	54	25.1	6.5	4,240	58.4	17.0
Aug-31-2001	51	24.0	6.7	4,510	56.3	15.5
Mean	56	26.1	6.0	3,770	37.9	
Total						353

Load Limitation for August 2001	(lbs)	453
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Table 2. Continuous water monitoring at Station B (discharge from San Luis Drain), September 2001.

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
Sep-01-2001	51	24.5	7.0	4,630	58.1	16.0
Sep-02-2001	50	25.4	6.6	4,300	54.6	14.7
Sep-03-2001	39	25.9	6.1	3,930	47.0	9.9
Sep-04-2001	33	26.3	6.3	4,110	46.6	8.3
Sep-05-2001	32	26.4	5.8	3,730	38.9	6.7
Sep-06-2001	36	25.0	6.2	4,010	48.1	9.3
Sep-07-2001	34	24.2	7.2	4,470	49.3	9.0
Sep-08-2001	33	24.3	7.2	4,590	48.6	8.6
Sep-09-2001	36	24.2	7.1	4,530	52.1	10.1
Sep-10-2001	31	23.7	6.4	4,170	45.9	7.7
Sep-11-2001	26	23.7	6.5	4,220	47.8	6.7
Sep-12-2001	24	23.9	6.2	4,260	47.3	6.1
Sep-13-2001	19	24.0	6.5	4,460	48.8	5.0
Sep-14-2001	19	24.2	5.8	3,660	29.8	3.1
Sep-15-2001	15	24.8	6.3	3,900	35.6	2.9
Sep-16-2001	12	24.8	7.6	4,630	52.0	3.4
Sep-17-2001	11	24.6	7.8	4,650	53.7	3.2
Sep-18-2001	13	24.8	7.5	4,680	54.0	3.8
Sep-19-2001	15	25.1	7.5	4,790	58.4	4.7
Sep-20-2001	16	24.9	7.3	4,620	50.7	4.4
Sep-21-2001	16	24.5	7.2	4,530	44.6	3.8
Sep-22-2001	15	24.3	6.9	4,430	39.7	3.2
Sep-23-2001	13	24.3	7.2	4,610	38.6	2.7
Sep-24-2001	13	23.7	7.6	4,790	40.9	2.9
Sep-25-2001	11	23.2	7.8	4,930	46.4	2.8
Sep-26-2001	10	23.1	8.0	5,080	56.7	3.0
Sep-27-2001	9	23.5	NA	NA	52.9 e	2.6
Sep-28-2001	8	22.9	7.4	4,810	49.1	2.2
Sep-29-2001	9	22.4	7.2	4,420	39.1	1.9
Sep-30-2001	10	22.9	7.3	4,450	39.6	2.0
Mean	22	24.3	6.9	4,430	47.2	
Total						171

Load Limitation for September 2001	(lbs)	350
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**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), July 2001.**

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
Jul-01-2001	66	26.8	4,260
Jul-02-2001	72	27.3	3,990
Jul-03-2001	82	28.1	3,400
Jul-04-2001	77	27.6	3,560
Jul-05-2001	76	27.7	3,470
Jul-06-2001	77	27.0	3,570
Jul-07-2001	80	26.8	3,790
Jul-08-2001	77	26.9	3,810
Jul-09-2001	77	27.2	3,660
Jul-10-2001	78	26.8	3,750
Jul-11-2001	71	25.8	3,710
Jul-12-2001	70	24.7	3,690
Jul-13-2001	68	24.5	3,840
Jul-14-2001	67	25.1	3,940
Jul-15-2001	65	24.8	4,120
Jul-16-2001	70	23.4	4,180
Jul-17-2001	72	22.9	4,080
Jul-18-2001	82	23.7	4,050
Jul-19-2001	73	24.4	4,240
Jul-20-2001	71	24.7	4,290
Jul-21-2001	68	24.3	4,220
Jul-22-2001	63	24.2	4,290
Jul-23-2001	66	25.0	4,140
Jul-24-2001	66	25.9	4,010
Jul-25-2001	62	26.1	4,330
Jul-26-2001	63	26.3	4,150
Jul-27-2001	81	26.4	3,440
Jul-28-2001	80	26.6	3,290
Jul-29-2001	79	26.4	3,260
Jul-30-2001	71	25.4	3,570
Jul-31-2001	67	25.3	3,930

**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), August 2001.**

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
Aug-01-2001	67	25.9	4,010
Aug-02-2001	67	25.7	3,850
Aug-03-2001	64	25.6	3,840
Aug-04-2001	61	25.8	4,150
Aug-05-2001	66	26.0	3,900
Aug-06-2001	75	26.2	3,660
Aug-07-2001	73	26.7	3,540
Aug-08-2001	66	27.8	3,800
Aug-09-2001	64	27.9	3,690
Aug-10-2001	63	27.1	3,600
Aug-11-2001	59	26.4	3,490
Aug-12-2001	53	26.0	3,720
Aug-13-2001	59	25.5	3,770
Aug-14-2001	57	25.4	3,700
Aug-15-2001	58	25.7	3,870
Aug-16-2001	66	26.0	3,700
Aug-17-2001	67	26.2	3,260
Aug-18-2001	67	26.6	3,050
Aug-19-2001	62	26.7	3,460
Aug-20-2001	63	26.2	3,610
Aug-21-2001	62	25.2	3,570
Aug-22-2001	61	24.5	3,510
Aug-23-2001	65	24.2	3,220
Aug-24-2001	68	24.8	3,260
Aug-25-2001	71	25.2	3,640
Aug-26-2001	65	25.9	3,550
Aug-27-2001	66	26.2	3,320
Aug-28-2001	66	26.5	3,290
Aug-29-2001	62	26.2	3,510
Aug-30-2001	63	24.9	3,920
Aug-31-2001	61	24.3	4,040

**Table 3. Continuous water monitoring at Station D
(Mud Slough North downstream of drainage discharges), September 2001.**

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
Sep-01-2001	59	24.8	4,170
Sep-02-2001	60	25.4	3,880
Sep-03-2001	48	25.8	3,590
Sep-04-2001	43	26.0	3,420
Sep-05-2001	43	25.9	3,260
Sep-06-2001	50	24.3	3,050
Sep-07-2001	56	23.7	3,060
Sep-08-2001	71	23.8	2,620
Sep-09-2001	73	23.8	2,820
Sep-10-2001	73	23.4	2,490
Sep-11-2001	70	23.4	2,380
Sep-12-2001	62	23.8	2,600
Sep-13-2001	50	23.8	2,850
Sep-14-2001	49	24.1	2,600
Sep-15-2001	45	24.5	2,440
Sep-16-2001	42	24.2	2,470
Sep-17-2001	44	23.9	2,650
Sep-18-2001	47	NA	NA
Sep-19-2001	49	NA	NA
Sep-20-2001	50	NA	NA
Sep-21-2001	53	NA	NA
Sep-22-2001	63	NA	NA
Sep-23-2001	61	NA	NA
Sep-24-2001	60	NA	NA
Sep-25-2001	72	NA	NA
Sep-26-2001	72	NA	NA
Sep-27-2001	69	NA	NA
Sep-28-2001	71	NA	NA
Sep-29-2001	81	NA	NA
Sep-30-2001	87	NA	NA

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), July 2001.

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
Jul-01-2001	161	26.8	1,190
Jul-02-2001	166	27.2	1,170
Jul-03-2001	167	28.4	1,150
Jul-04-2001	116	27.6	1,350
Jul-05-2001	128	26.8	1,330
Jul-06-2001	151	26.3	1,180
Jul-07-2001	147	26.7	1,220
Jul-08-2001	162	27.4	1,190
Jul-09-2001	166	27.3	1,130
Jul-10-2001	169	26.4	1,100
Jul-11-2001	191	25.0	1,030
Jul-12-2001	192	24.0	1,010
Jul-13-2001	201	24.6	990
Jul-14-2001	206	25.7	957
Jul-15-2001	194	24.5	1,010
Jul-16-2001	174	22.5	1,140
Jul-17-2001	176	22.5	1,160
Jul-18-2001	194	24.0	1,130
Jul-19-2001	195	24.9	1,140
Jul-20-2001	190	24.6	1,090
Jul-21-2001	210	23.7	1,130
Jul-22-2001	211	24.0	1,110
Jul-23-2001	222	25.3	1,050
Jul-24-2001	224	26.1	1,030
Jul-25-2001	193	26.0	1,100
Jul-26-2001	188	26.1	NA
Jul-27-2001	184	26.7	1,060
Jul-28-2001	174	26.9	1,060
Jul-29-2001	185	26.2	998
Jul-30-2001	193	24.3	951
Jul-31-2001	200	24.5	922

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), August 2001.

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
Aug-01-2001	189	25.6	973
Aug-02-2001	173	25.6	1,040
Aug-03-2001	158	25.6	1,100
Aug-04-2001	161	25.5	1,070
Aug-05-2001	172	25.5	1,030
Aug-06-2001	165	25.8	1,070
Aug-07-2001	157	26.7	1,070
Aug-08-2001	125	27.9	1,170
Aug-09-2001	114	27.6	1,230
Aug-10-2001	110	26.2	1,240
Aug-11-2001	106	25.4	1,280
Aug-12-2001	125	25.4	1,170
Aug-13-2001	129	24.7	1,190
Aug-14-2001	139	24.5	1,140
Aug-15-2001	139	25.1	1,120
Aug-16-2001	147	25.6	1,120
Aug-17-2001	182	26.0	1,070
Aug-18-2001	197	26.2	1,020
Aug-19-2001	205	26.0	1,010
Aug-20-2001	212	25.1	978
Aug-21-2001	215	23.6	963
Aug-22-2001	205	23.3	1,020
Aug-23-2001	197	23.7	1,030
Aug-24-2001	189	24.5	1,060
Aug-25-2001	194	24.9	1,030
Aug-26-2001	189	25.5	1,050
Aug-27-2001	175	25.9	1,080
Aug-28-2001	140	26.2	1,130
Aug-29-2001	95	25.8	1,320
Aug-30-2001	78	23.9	1,440
Aug-31-2001	74	23.4	1,500

Table 4. Continuous water monitoring at Station F (Salt Slough at Highway 165), September 2001.

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
Sep-01-2001	87	24.4	1,420
Sep-02-2001	86	25.7	1,330
Sep-03-2001	70	25.7	1,430
Sep-04-2001	57	25.9	1,500
Sep-05-2001	50	25.5	1,620
Sep-06-2001	56	23.5	1,540
Sep-07-2001	56	23.1	1,560
Sep-08-2001	57	23.6	1,540
Sep-09-2001	64	23.1	1,450
Sep-10-2001	66	22.8	1,320
Sep-11-2001	62	23.2	1,390
Sep-12-2001	55	23.5	1,460
Sep-13-2001	63	23.2	1,520
Sep-14-2001	68	23.8	1,440
Sep-15-2001	54	24.5	1,500
Sep-16-2001	48	24.0	1,580
Sep-17-2001	49	23.6	1,590
Sep-18-2001	50	24.0	1,630
Sep-19-2001	52	24.1	1,630
Sep-20-2001	51	23.8	1,660
Sep-21-2001	51	23.4	1,670
Sep-22-2001	42	23.2	1,800
Sep-23-2001	44	22.9	1,850
Sep-24-2001	55	22.0	1,540
Sep-25-2001	76	21.9	1,330
Sep-26-2001	72	22.0	1,360
Sep-27-2001	61	22.4	1,470
Sep-28-2001	71	21.2	1,460
Sep-29-2001	66	20.9	1,480
Sep-30-2001	58	21.8	1,570

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), July 2001.

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
Jul-01-2001	478	26.4	1,440	4.9
Jul-02-2001	512	26.7	1,490	5.9
Jul-03-2001	498	28.1	1,310	4.6
Jul-04-2001	514	27.7	1,410	4.8
Jul-05-2001	481	26.9	1,400	4.3
Jul-06-2001	490	27.1	1,480	5.0
Jul-07-2001	503	27.1	1,460	5.0
Jul-08-2001	525	27.3	1,390	5.4
Jul-09-2001	567	27.0	1,370	5.1
Jul-10-2001	548	26.8	1,220	4.0
Jul-11-2001	489	26.1	1,260	4.1
Jul-12-2001	539	25.1	NA	NA
Jul-13-2001	546	25.4	NA	NA
Jul-14-2001	554	25.7	NA	NA
Jul-15-2001	546	25.6	NA	NA
Jul-16-2001	572	24.8	NA	NA
Jul-17-2001	550	24.5	NA	NA
Jul-18-2001	513	24.9	NA	NA
Jul-19-2001	521	25.5	NA	NA
Jul-20-2001	513	25.2	NA	NA
Jul-21-2001	520	24.7	NA	NA
Jul-22-2001	556	24.3	NA	NA
Jul-23-2001	580	25.3	NA	NA
Jul-24-2001	537	26.6	NA	NA
Jul-25-2001	535	26.8	NA	NA
Jul-26-2001	507	26.6	NA	NA
Jul-27-2001	453	26.5	NA	NA
Jul-28-2001	498	26.4	NA	NA
Jul-29-2001	483	26.6	NA	NA
Jul-30-2001	515	25.9	NA	NA
Jul-31-2001	516	25.0	NA	NA

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), August 2001.

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
Aug-01-2001	497	26.0	NA	NA
Aug-02-2001	483	25.7	NA	NA
Aug-03-2001	489	25.2	NA	NA
Aug-04-2001	505	24.8	NA	NA
Aug-05-2001	513	24.8	NA	NA
Aug-06-2001	526	25.2	NA	NA
Aug-07-2001	465	26.1	NA	NA
Aug-08-2001	381	27.3	NA	NA
Aug-09-2001	383	27.1	NA	NA
Aug-10-2001	390	25.6	1,550	4.5
Aug-11-2001	398	24.9	1,470	3.9
Aug-12-2001	428	24.7	1,440	3.1
Aug-13-2001	458	24.0	1,370	2.7
Aug-14-2001	515	24.2	1,260	3.0
Aug-15-2001	459	24.9	1,330	3.6
Aug-16-2001	444	25.1	1,370	3.2
Aug-17-2001	453	25.6	1,470	4.1
Aug-18-2001	502	25.6	1,380	3.9
Aug-19-2001	525	25.7	1,260	3.2
Aug-20-2001	563	25.2	1,180	2.8
Aug-21-2001	480	24.7	1,210	3.0
Aug-22-2001	466	24.0	1,260	3.3
Aug-23-2001	517	NA	1,250	3.4
Aug-24-2001	547	NA	1,230	NA
Aug-25-2001	525	NA	1,220	3.4
Aug-26-2001	515	25.1	1,330	4.2
Aug-27-2001	524	25.6	1,360	4.3
Aug-28-2001	509	25.9	1,260	3.4
Aug-29-2001	422	26.1	1,360	4.2
Aug-30-2001	371	24.9	NA	NA
Aug-31-2001	367	24.4	NA	NA

Table 5. Continuous water monitoring at Station N (San Joaquin River at Crow's Landing), September 2001.

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
Sep-01-2001	399	24.9	NA	NA
Sep-02-2001	435	25.4	NA	NA
Sep-03-2001	448	25.2	NA	NA
Sep-04-2001	404	25.2	NA	NA
Sep-05-2001	345	24.5	NA	NA
Sep-06-2001	318	23.1	NA	NA
Sep-07-2001	350	22.6	1,430	3.5
Sep-08-2001	350	23.1	1,420	3.9
Sep-09-2001	380	23.0	1,460	4.2
Sep-10-2001	422	22.9	1,330	4.0
Sep-11-2001	365	23.1	1,320	3.8
Sep-12-2001	333	23.2	1,340	2.9
Sep-13-2001	309	23.3	1,330	2.9
Sep-14-2001	370	23.7	1,390	3.2
Sep-15-2001	390	24.0	1,350	2.5
Sep-16-2001	390	23.4	1,270	1.7
Sep-17-2001	415	22.9	1,200	1.3
Sep-18-2001	421	23.3	1,140	1.2
Sep-19-2001	367	23.6	1,210	1.7
Sep-20-2001	357	23.5	1,190	1.8
Sep-21-2001	348	22.9	1,310	2.8
Sep-22-2001	324	22.8	1,410	3.2
Sep-23-2001	332	22.6	1,420	2.6
Sep-24-2001	345	21.8	1,350	2.2
Sep-25-2001	380	21.5	1,360	1.9
Sep-26-2001	386	21.8	1,380	1.9
Sep-27-2001	370	22.1	1,170	1.6
Sep-28-2001	373	21.0	1,160	1.9
Sep-29-2001	392	20.6	1,190	2.1
Sep-30-2001	400	21.5	1,200	1.9

Table 6a. Weekly water quality monitoring at Station A (inflow to San Luis Drain), 2001, taken from grab samples.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	.	.	Specific Conductance	Total Suspended Solids	Selenium (total)	Selenium (dissolved)	Boron
DATA SOURCE	SLDMWA	.	.	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	.	.	µS/cm	mg/L	µg/L	µg/L	mg/L
Jul-03-2001	59	.	.	4,070	260	Selenium and boron analyses		
Jul-11-2001	60	.	.	4,040	140	from weekly grab		
Jul-18-2001	59	.	.	4,460	97	discontinued 2/1/00.		
Jul-25-2001	53	.	.	4,330	72	.	.	.
Aug-01-2001	59	.	.	3,930	100	.	.	.
Aug-08-2001	56	.	.	3,320	170	.	.	.
Aug-15-2001	61	.	.	3,480	130	.	.	.
Aug-22-2001	48	.	.	3,590	95	.	.	.
Aug-29-2001	53	.	.	4,370	85	.	.	.
Sep-05-2001	33	.	.	3,970	54	.	.	.
Sep-12-2001	17	.	.	4,620	51	.	.	.
Sep-19-2001	14	.	.	4,840	79	.	.	.
Sep-26-2001	7	.	.	5,600	74	.	.	.

Table 6b. Weekly water quality monitoring at Station A (inflow to San Luis Drain), 2001, 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
Jul-02-2001	60	.	.	4,140	.	44.4	.	7.0
Jul-09-2001	62	.	.	3,960	.	41.7	.	6.8
Jul-17-2001	64	.	.	4,230	.	42.6	.	6.8
Jul-24-2001	54	.	.	4,390	.	45.7	.	6.8
Jul-31-2001	56	.	.	4,050	.	41.8	.	6.9
Aug-07-2001	59	.	.	3,760	.	34.3	.	6.1
Aug-14-2001	57	.	.	NA	.	30.4	.	5.8
Aug-21-2001	52	.	.	3,750	.	36.6	.	6.0
Aug-28-2001	49	.	.	4,070	.	48.2	.	6.0
Sep-04-2001	31	.	.	4,270	.	51.1	.	7.0
Sep-11-2001	22	.	.	4,490	.	53.5	.	6.9
Sep-18-2001	13	.	.	5,190	.	53.4	.	8.6
Sep-25-2001	7	.	.	5,140	.	45.7	.	9.0

Table 7. Weekly water quality monitoring at Station B (discharge from San Luis Drain), taken from grab samples, 2001.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	Flow	Temperature	pH	Specific Conductance	Total Suspended Solids	Selenium (total)	Selenium (dissolved)	Boron
DATA SOURCE	USGS	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	cfs	°C		µS/cm	mg/L	µg/L	µg/L	mg/L
Jul-05-2001	59	26.4	8.2	4,200	34	48.7	Selenium	7.0
Jul-11-2001	58	25.4	8.3	3,770	41	37.3	(dissolved)	6.6
Jul-19-2001	59	24.7	8.4	4,420	44	45.4	analyses	6.9
Jul-26-2001	53	24.9	8.2	4,440	44	48.9	discontinued	6.9
Aug-02-2001	59	24.8	8.3	3,830	50	37.6	1/15/2000.	6.7
Aug-09-2001	56	26.7	8.3	3,550	41	32.4	.	6.0
Aug-16-2001	61	24.8	8.4	3,770	39	32.7	.	6.2
Aug-23-2001	50	22.7	8.4	3,650	32	42.3	.	5.7
Aug-30-2001	54	24.0	8.4	4,260	58	53.1	.	5.9
Sep-06-2001	36	24.2	8.0	3,810	P	48.3	.	6.0
Sep-13-2001	19	22.5	8.6	4,260	P	53.0	.	6.6
Sep-20-2001	16	23.7	8.4	4,570	P	48.5	.	7.4
Sep-27-2001	9	23.2	8.2	5,100	P	54.0	.	8.4

Table 8. Weekly water quality monitoring at Station C (Mud Slough North upstream of drainage discharges), 2001.

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
Jul-05-2001	17	25.7	7.8	1,670	1.1	1.4
Jul-11-2001	13	28.1	8.2	2,350	0.7	1.9
Jul-19-2001	14	29.2	8.3	2,790	0.5	2.0
Jul-26-2001	10	23.1	7.9	2,200	0.5	1.9
Aug-02-2001	8	24.4	8.3	2,000	0.6	1.7
Aug-09-2001	8	23.2	7.9	3,170	0.4	2.6
Aug-16-2001	5	25.6	8.0	1,390	0.7	1.2
Aug-23-2001	15	22.7	8.1	812	0.7	0.9
Aug-30-2001	9	23.3	7.7	1,430	<0.4	0.9
Sep-06-2001	14	21.9	7.8	1,200	<0.4	0.8
Sep-13-2001	31	23.4	7.8	1,230	<0.4	0.8
Sep-20-2001	34	22.4	7.8	1,120	<0.4	0.6
Sep-27-2001	60	21.5	7.6	1,020	<0.4	0.6

++ 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), 2001.

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
Jul-05-2001	76	26.0	8.0	3,550	33.7	5.6
Jul-11-2001	71	25.6	8.3	3,750	34.6	6.1
Jul-19-2001	73	25.7	8.3	4,190	42.0	6.5
Jul-26-2001	63	24.7	8.2	4,160	41.7	6.1
Aug-02-2001	67	25.0	8.4	2,170	34.0	6.1
Aug-09-2001	64	26.5	8.4	3,370	27.6	5.3
Aug-16-2001	66	25.0	8.4	3,420	30.5	5.3
Aug-23-2001	65	22.5	8.3	3,100	29.5	4.5
Aug-30-2001	63	24.3	8.3	3,820	43.2	5.2
Sep-06-2001	50	22.9	8.0	2,970	28.0	4.3
Sep-13-2001	50	22.3	8.0	2,470	18.8	3.4
Sep-20-2001	50	22.5	7.7	2,540	19.6	3.1
Sep-27-2001	69	21.7	7.5	1,870	9.7	2.0

Table 10. Weekly water quality monitoring at Station F (Salt Slough at Lander Avenue), 2001.

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
Jul-05-2001	128	24.5	7.8	1,340	0.7	0.6
Jul-11-2001	191	23.9	7.8	975	0.8	0.5
Jul-19-2001	195	24.2	7.9	1,100	0.7	0.6
Jul-26-2001	188	27.6	7.1	1,000	<0.4	0.5
Aug-02-2001	173	23.9	7.9	999	0.5	0.4
Aug-09-2001	114	25.9	7.6	1,210	0.5	0.5
Aug-16-2001	147	24.1	7.5	1,080	0.4	0.4
Aug-23-2001	197	22.1	7.7	1,030	0.9	0.4
Aug-30-2001	78	25.8	8.3	1,430	<0.4	0.5
Sep-06-2001	56	20.8	7.8	1,560	<0.4	0.7
Sep-13-2001	63	20.1	7.7	1,530	<0.4	0.7
Sep-20-2001	51	21.5	7.9	1,690	0.5	0.7
Sep-27-2001	61	22.5	8.0	1,480	<0.4	0.7

Table 11. Weekly water quality monitoring at Station G (San Joaquin River at Fremont Ford), 2001.

See Table 31 for explanation of footnotes and agency abbreviations.

PARAMETER	.	Temperature	pH	Specific Conductance	Selenium (total)	Boron
DATA SOURCE	.	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB	CVRWQCB
UNITS	.	°C		µS/cm	µg/L	mg/L
Jul-05-2001	.	25.3	7.6	1,550	0.6	0.6
Jul-11-2001	.	24.6	7.7	1,180	0.7	0.5
Jul-19-2001	.	23.7	7.8	1,180	0.6	0.6
Jul-26-2001	.	24.7	7.7	1,230	<0.4	0.6
Aug-02-2001	.	26.6	7.6	1,050	0.4	0.4
Aug-09-2001	.	26.4	7.7	1,320	0.6	0.5
Aug-16-2001	.	23.3	7.7	1,170	0.4	0.4
Aug-23-2001	.	22.2	7.7	1,100	0.5	0.4
Aug-30-2001	.	22.2	7.4	1,580	<0.4	0.5
Sep-06-2001	.	21.8	7.6	1,890	<0.4	0.6
Sep-13-2001	.	22.2	7.8	2,020	<0.4	0.7
Sep-20-2001	.	22.1	7.8	2,130	<0.4	0.7
Sep-27-2001	.	21.8	7.7	2,180	<0.4	0.7

Table 12a. Weekly water quality monitoring at Station H (San Joaquin River at Hills Ferry), 2001.

(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
Jul-06-2001	.	.	.	2,080	9.2	2.1
Jul-10-2001	.	.	.	1,960	10.0	2.0
Jul-17-2001	.	.	.	1,900	8.3	1.9
Jul-24-2001	.	.	.	1,750	8.9	1.7
Jul-31-2001	.	.	.	1,720	8.2	1.7
Aug-07-2001	.	.	.	1,950	9.9	2.1
Aug-14-2001	.	.	.	1,990	8.7	1.8
Aug-21-2001	.	.	.	1,700	7.1	1.6
Aug-28-2001	.	.	.	1,780	8.7	1.5
Sep-04-2001	.	.	.	2,200	10.4	1.8
Sep-11-2001	.	.	.	2,030	8.3	1.3
Sep-18-2001	.	.	.	2,350	7.5	1.4
Sep-25-2001	.	.	.	2,140	4.6	1.2

Table 13. Weekly water quality monitoring at Station J (Camp 13 Ditch), 2001.

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
Jul-03-2001	10	.	.	499	1.3	0.3
Jul-11-2001	10	.	.	444	1.0	0.3
Jul-18-2001	4	.	.	547	1.4	0.6
Jul-25-2001	4	.	.	485	1.0	0.3
Aug-01-2001	0	.	.	505	1.1	0.3
Aug-08-2001	0	.	.	622	1.9	0.4
Aug-15-2001	6	.	.	690	1.7	0.5
Aug-22-2001	15	.	.	648	0.9	0.2
Aug-29-2001	25	.	.	632	0.9	0.3
Sep-05-2001	75	.	.	693	0.8	0.2
Sep-12-2001	90	.	.	731	0.9	0.4
Sep-19-2001	170	.	.	737	0.9	0.3
Sep-26-2001	170	.	.	708	0.8	0.2

Table 14. Weekly water quality monitoring at Station K (Agatha Canal), 2001.

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
Jul-03-2001	25	.	.	534	1.2	0.3
Jul-11-2001	10	.	.	511	1.3	0.3
Jul-18-2001	10	.	.	475	1.0	0.3
Jul-25-2001	10	.	.	450	0.5	0.2
Aug-01-2001	10	.	.	467	0.8	0.2
Aug-08-2001	10	.	.	573	0.9	0.3
Aug-15-2001	10	.	.	634	0.8	0.3
Aug-22-2001	10	.	.	772	1.0	0.5
Aug-29-2001	80	.	.	653	0.6	0.2
Sep-05-2001	95	.	.	688	0.7	0.2
Sep-12-2001	115	.	.	691	0.6	0.2
Sep-19-2001	130	.	.	728	0.8	0.2
Sep-26-2001	165	.	.	678	0.6	0.2

Table 15. Weekly water quality monitoring at Station L2 (San Luis Canal at splits), 2001.

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
Jul-03-2001	80	.	.	752	1.5	0.5
Jul-11-2001	80	.	.	556	1.2	0.4
Jul-18-2001	40	.	.	828	1.4	0.7
Jul-25-2001	50	.	.	766	0.8	0.5
Aug-01-2001	40	.	.	701	1.0	0.5
Aug-08-2001	30	.	.	781	1.1	0.6
Aug-15-2001	50	.	.	713	1.0	0.4
Aug-22-2001	70	.	.	698	1.0	0.3
Aug-29-2001	90	.	.	754	0.8	0.4
Sep-05-2001	150	.	.	762	0.9	0.4
Sep-12-2001	130	.	.	725	1.3	0.2
Sep-19-2001	150	.	.	719	0.7	0.2
Sep-26-2001	130	.	.	784	0.8	0.3

Table 16. Weekly water quality monitoring at Station M2 (Santa Fe Canal at weir), 2001.

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
Jul-03-2001	53	.	.	1,410	2.1	2.0
Jul-11-2001	11	.	.	1,280	1.9	1.6
Jul-18-2001	45	.	.	1,350	1.6	1.9
Jul-25-2001	15	.	.	1,480	1.4	2.3
Aug-01-2001	37	.	.	1,260	1.4	2.1
Aug-08-2001	58	.	.	1,330	1.6	1.8
Aug-15-2001	46	.	.	1,530	1.8	2.4
Aug-22-2001	50	.	.	1,420	1.7	1.8
Aug-29-2001	3	.	.	1,240	1.3	0.8
Sep-05-2001	7	.	.	684	1.2	0.4
Sep-12-2001	67	.	.	909	0.8	0.5
Sep-19-2001	79	.	.	877	0.7	0.4
Sep-26-2001	88	.	.	869	0.8	0.4

Table 17. Weekly water quality monitoring at Station N (San Joaquin River at Crow's Landing), 2001.

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
Jul-05-2001	481	25.4	7.8	1,470	4.6	1.2
Jul-11-2001	489	24.3	7.6	1,370	5.3	1.1
Jul-19-2001	521	23.9	7.9	1,400	4.4	1.1
Jul-26-2001	507	24.9	7.9	1,320	3.5	1.1
Aug-02-2001	483	25.0	8.0	1,260	4.1	1.1
Aug-09-2001	383	26.1	8.1	1,390	3.7	1.1
Aug-16-2001	444	24.0	8.1	1,320	3.4	1.1
Aug-23-2001	517	22.5	8.0	1,130	2.7	0.8
Aug-30-2001	371	23.9	8.1	1,450	4.0	0.9
Sep-06-2001	318	21.9	7.9	1,470	3.7	0.9
Sep-13-2001	309	22.5	7.9	1,330	2.8	0.8
Sep-20-2001	357	22.0	7.8	1,270	2.7	0.8
Sep-27-2001	370	20.7	7.8	1,100	1.7	0.6

Table 18. Summary of fathead minnow (*Pimephales promelas*) larvae survival in 7-day tests using water samples collected from October 2000 to September 2001. 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	%	%	%	%	%	%
Oct-2000	100	75*	93	100	100	98
Nov-2000	88	15*	23*	63*	95	100
Dec-2000	100	63*	73	88	88	93
Jan-2001	95	85	93	90	100	100
Feb-2001	100	90	93	78	78	100
Mar-2001	100	93	93	90	95	100
Apr-2001	100	100	95	93	95	100
May-2001	88	97	90	90	90	100
Jun-2001	88	98	98	98	98	100
Jul-2001	90	93	98	100	93	98
Aug-2001	95	95	98	95	98	98
Sep-2001	98	100	90	100	100	98

Table 19. Summary of fathead minnow (*Pimephales promelas*) larvae growth in 7-day tests using water samples collected from October 2000 to September 2001. 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
Oct-2000	0.66	0.46*	0.58*	0.67	0.68	0.58
Nov-2000	0.29	0.05*	0.07*	0.21*	0.28	0.31
Dec-2000	0.72	0.40*	0.49*	0.67	0.74	0.60
Jan-2001	0.63	0.50	0.59	0.55	0.62	0.57
Feb-2001	0.54*	0.53*	0.64	0.61	0.68	0.65
Mar-2001	0.61	0.66	0.67	0.63	0.64	0.60
Apr-2001	0.64	0.72	0.71	0.73	0.67	0.57
May-2001	0.45	0.45	0.46	0.43	0.45	0.46
Jun-2001	0.61*	0.83	0.85	0.85	0.74	0.65
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	0.56

Table 20. Summary of *Daphnia magna* survival in 7-day tests using water samples collected from October 2000 to September 2001. 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	%	%	%	%	%	%
Oct-2000	80	80	60*	80	80	70
Nov-2000	100	100	100	100	90	100
Dec-2000	100	80	80	100	100	60*
Jan-2001	90	70*	100	100	90	80
Feb-2001	100	100	90	100	90	100
Mar-2001	100	100	90	90	90	90
Apr-2001	100	100	100	100	89	89
May-2001	0††	100	100	100	70	100
Jun-2001	50*	70*	70*	90	100	100
Jul-2001	100	100	60*	80	90	90
Aug-2001	50*	100	30*	100	90	90
Sep-2001	80	100	90	100	90	80

Table 21. Summary of *Daphnia magna* reproduction in 7-day tests using water samples collected from October 2000 to September 2001. 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
Oct-2000	29.8	41.5	23.9	25.7	31.8	17.7
Nov-2000	45.7	40.4	43.9	35.1	22.8	26.3
Dec-2000	13.7	15.7	13.3	11.2	13.4	4.4*
Jan-2001	30.8	31.3	46.2	36.9	30.8	27.1
Feb-2001	31.2	25.7	25.1	29.9	27.2	27.5
Mar-2001	11.7	21.9	19.3	15.6	13.4	17.8
Apr-2001	30.7	28.6	36.5	26.2	24.9	24.8
May-2001	0††	25.0	27.5	23.3	13.1	25.2
Jun-2001	18.9*	28.3*	27.6*	47.9	44.5	36.4
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

Table 22. Summary of *Selenastrum capricornutum* growth in 4-day tests using water samples collected from October 2000 to September 2001. 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
Oct-2000	15.0	15.7	14.3	16.1	14.4	16.2
Nov-2000	8.3	7.5	8.1	7.6	7.7	7.9
Dec-2000	7.8*	13.6	15.4	14.9	13.1	13.3
Jan-2001	2.0	2.0	2.1	2.3 ‡	2.1 ‡	2.2
Feb-2001	11.3 †	23.8	21.5	16.7 †	22.5	17.6
Mar-2001	18.9	24.6	20.0	21.7	18.4	23.5
Apr-2001	9.9	10.5	10.2	5.8*	10.7	20.2
May-2001	10.1* [⊕]	18.4	13.1	19.6	15.5	14.5
Jun-2001	4.2*	12.9*	10.3*	14.7*	21.8	16.4
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

Table 23. Summary of selenium concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, July to September 2001.

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
Jul-09-2001	37	0.7	33	0.6	<0.4
Jul-11-2001	39	0.7	32	0.6	<0.4
Jul-13-2001	35	0.6	30	0.7	<0.4
Aug-13-2001	32	0.9	35	0.6	<0.4
Aug-15-2001	33	0.6	27	0.5	<0.4
Aug-17-2001	32	1.3	25	0.4	<0.4
Sep-10-2001	53	0.5	20	<0.4	<0.4
Sep-12-2001	56	0.5	24	<0.4	<0.4
Sep-14-2001	29	<0.4	20	<0.4	<0.4

Table 24. Summary of sulfate concentrations in grab water samples collected at study stations for use in laboratory toxicity tests, July to September 2001.

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	mg/L	mg/L	mg/L	mg/L	mg/L
Jul-09-2001	1,150	529	1,100	134	28
Jul-11-2001	1,220	489	980	120	28
Jul-13-2001	1,300	583	1,110	115	26
Aug-13-2001	995	490	1,070	122	26
Aug-15-2001	1,050	691	1,010	113	28
Aug-17-2001	1,040	231	804	102	30
Sep-10-2001	1,370	90	547	144	30
Sep-12-2001	1,340	108	581	178	32
Sep-14-2001	988	131	614	164	32

Table 25. Summary of total suspended solids concentrations in grab water samples collected from July to September 2001.

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
Jul-09-2001	48	34	73	151	23
Jul-11-2001	96	32	71	217	42
Jul-13-2001	57	16	72	330	40
Aug-13-2001	51	41	53	142	22
Aug-15-2001	55	43	55	177	22
Aug-17-2001	62	107	88	230	24
Sep-10-2001	39	49	31	44	19
Sep-12-2001	45	27	66	68	34
Sep-14-2001	80	35	43	163	26

Table 26a. Monthly Flow and Salinity of Water at San Luis Drain (WY 1997 - 2001).

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		acre-feet		µS/cm		mg/L	tons	
Oct-01-1996	20.8	L	1,276		3,948	L	2,922	5,070	Lr
Nov-01-1996	26.4	L	1,569		3,830	L	2,834	6,048	Lr
Dec-01-1996	31.7	L	1,946		4,095	L	3,030	8,020	Lr
Jan-01-1997	60.2	L	3,703		4,142	L	3,065	15,433	Lr
Feb-01-1997	75.1	L	4,173		4,872	L	3,605	20,463	Lr
Mar-01-1997	79.3	L	4,876		4,669	L	3,455	22,913	Lr
Apr-01-1997	74.8	L	4,453		5,380	L	3,981	24,111	Lr
May-01-1997	68.6	L	4,215		4,730	L	3,500	20,063	Lr
Jun-01-1997	58.1	L	3,457		4,642	L	3,435	16,153	Lr
Jul-01-1997	53.3	L	3,277		4,206	L	3,112	13,873	Lr
Aug-01-1997	51.4	L	3,159		3,497	L	2,588	11,117	Lr
Sep-01-1997	24.3	L	1,445		3,077	L	2,277	4,474	Lr
Oct-01-1997	28.6	L	1,756		4,425	L	3,275	7,819	Lr
Nov-01-1997	26.2	L	1,558		4,206	L	3,112	6,594	Lr
Dec-01-1997	22.9	L	1,406		4,398	L	3,255	6,221	Lr
Jan-01-1998	23.1	L	1,421		4,919	L	3,640	7,036	Lr
Feb-01-1998	125.9	L	6,993		3,397	L	2,514	23,906	Lr
Mar-01-1998	115.6	L	7,106		4,788	L	3,543	34,244	Lr
Apr-01-1998	92.9	L	5,527		5,258	L	3,891	29,250	Lr
May-01-1998	79.5	L	4,890		5,494	L	4,066	27,036	Lr
Jun-01-1998	61.1	L	3,635		4,576	L	3,386	16,740	Lr
Jul-01-1998	74.3	L	4,572		4,020	L	2,975	18,494	Lr
Aug-01-1998	63.1	L	3,883		3,983	L	2,947	15,561	Lr
Sep-01-1998	53.7	L	3,193		3,798	L	2,811	12,203	Lr
Oct-01-1998	33.2	G	2,040	G	4,738	Gr	3,506	9,742	Gr
Nov-01-1998	25.7	G	1,530	G	4,909	Gr	3,633	7,546	Gr
Dec-01-1998	23.6	G	1,450	G	4,881	Gr	3,612	7,142	Gr
Jan-01-1999	27.6	G	1,700	G	4,628	Gr	3,425	7,909	Gr
Feb-01-1999	59.6	G	3,310	G	4,467	Gr	3,306	14,883	Gr
Mar-01-1999	56.0	G	3,450	G	5,117	Gr	3,787	17,743	Gr
Apr-01-1999	34.9	G	2,080	G	5,512	Gr	4,079	11,532	Gr
May-01-1999	48.2	G	2,960	G	4,637	Gr	3,431	13,830	Gr
Jun-01-1999	60.7	G	3,610	G	4,471	Gr	3,309	16,252	Gr
Jul-01-1999	63.0	G	3,870	G	4,380	Gr	3,241	17,068	Gr
Aug-01-1999	63.6	G	3,910	G	3,960	Gr	2,930	15,596	Gr
Sep-01-1999	40.3	G	2,400	G	4,094	Gr	3,030	9,890	Gr

Table 26a. Monthly Flow and Salinity of Water at San Luis Drain (WY 1997 - 2001).

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		acre-feet		µS/cm		mg/L	tons	
Oct-01-1999	30.0	G	1,847	G	4,482	Gr	3,317	8,329	Gr
Nov-01-1999	28.8	G	1,714	G	4,253	Gr	3,147	7,334	Gr
Dec-01-1999	22.8	G	1,400	G	4,383	Gr	3,243	6,177	Gr
Jan-01-2000	27.9	G	1,716	G	4,355	Gr	3,223	7,520	Gr
Feb-01-2000	55.5	G	3,191	G	4,622	Gr	3,420	14,844	Gr
Mar-01-2000	54.2	G	3,330	G	5,047	Gr	3,735	16,916	Gr
Apr-01-2000	44.8	G	2,660	G	4,863	Gr	3,599	13,037	Gr
May-01-2000	46.4	G	2,850	G	4,238	Gr	3,136	12,157	Gr
Jun-01-2000	61.0	G	3,630	G	4,190	Gr	3,101	15,313	Gr
Jul-01-2000	59.5	G	3,660	G	3,899	Gr	2,885	14,344	Gr
Aug-01-2000	56.5	G	3,470	G	3,485	Gr	2,579	12,180	Gr
Sep-01-2000	30.1	G	1,790	G	3,792	Gr	2,806	6,843	Gr
Oct-01-2000	20.6	G	1,270	G	3,930	G	2,908	4,991	Gr
Nov-01-2000	19.8	G	1,180	G	3,960	G	2,930	4,690	Gr
Dec-01-2000	23.7	G	1,460	G	3,910	G	2,893	5,733	Gr
Jan-01-2001	27.9	G	1,720	G	4,020	G	2,975	6,946	Gr
Feb-01-2001	56.0	G	3,110	G	4,245	Gr	3,141	13,279	Gr
Mar-01-2001	56.8	G	3,490	G	5,080	G	3,759	17,747	Gr
Apr-01-2001	35.8	G	2,130	G	5,090	G	3,767	10,926	Gr
May-01-2001	39.9	G	2,454	G	4,488	Gr	3,321	11,082	Gr
Jun-01-2001	52.6	G	3,130	G	4,276	Gr	3,164	13,461	Gr
Jul-01-2001	57.9	G	3,560	G	3,870	G	2,864	13,833	Gr
Aug-01-2001	55.9	G	3,440	G	3,500	G	2,590	12,074	Gr
Sep-01-2001	22.0	G	1,310	G	4,060	G	3,004	5,246	Gr

Table 26b. Annual Flow and Salinity of Water at San Luis Drain (WY 1997 - 2001).

See Table 31 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		acre-feet		µS/cm		mg/L	tons	
	average		totals		average		average	totals	
WY 1997	52.0		37,550		4,257		3,150	167,738	
WY 1998	63.9		45,939		4,439		3,284	205,104	
WY 1999	44.7		32,310		4,650		3,441	149,133	
WY 2000	43.1		31,258		4,301		3,183	134,994	
WY 2001	39.1		28,254		4,202		3,110	120,008	

Table 27a. Monthly Flow and Salinity of Water at Mud Slough (WY 1997 - 2001).

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		acre-feet		µS/cm		mg/L	tons	
Oct-01-1996	97	G	5,980	G	1,738	Gr	1,199	9,748	Gr
Nov-01-1996	181	G	10,750	G	1,536	Gr	1,060	15,496	Gr
Dec-01-1996	305	G	18,750	G	1,418	Gr	978	24,950	Gr
Jan-01-1997	545	G	33,510	G	1,390	Gr	959	43,714	Gr
Feb-01-1997	363	G	20,180	G	2,077	Gr	1,433	39,324	Gr
Mar-01-1997	178	G	10,920	G	3,167	Gr	2,185	32,460	Gr
Apr-01-1997	110	G	6,550	G	4,018	Gr	2,772	24,701	Gr
May-01-1997	115	G	7,090	G	2,891	Gr	1,995	19,227	Gr
Jun-01-1997	83	G	4,910	G	3,378	Gr	2,331	15,555	Gr
Jul-01-1997	89	G	5,470	G	2,819	Gr	1,945	14,475	Gr
Aug-01-1997	71	G	4,340	G	2,576	Gr	1,777	10,483	Gr
Sep-01-1997	42	G	2,480	G	1,672	Gr	1,154	3,887	Gr
Oct-01-1997	131	G	8,060	G	1,916	Gr	1,322	14,493	Gr
Nov-01-1997	168	G	9,980	G	1,873	Gr	1,292	17,530	Gr
Dec-01-1997	194	G	11,960	G	1,873	Gr	1,292	21,011	Gr
Jan-01-1998	328	G	20,170	G	1,526	Gr	1,053	28,880	Gr
Feb-01-1998	958	G	53,190	G	1,289	Gr	889	64,346	Gr
Mar-01-1998	563	G	34,590	G	2,489	Gr	1,717	80,684	Gr
Apr-01-1998	209	G	12,450	G	3,519	Gr	2,428	41,113	Gr
May-01-1998	123	G	7,550	G	3,945	Gr	2,722	27,964	Gr
Jun-01-1998	98	G	5,810	G	3,403	Gr	2,348	18,562	Gr
Jul-01-1998	114	G	6,980	G	3,218	Gr	2,220	21,089	Gr
Aug-01-1998	91	G	5,580	G	3,534	Gr	2,438	18,510	Gr
Sep-01-1998	105	G	6,260	G	2,618	Gr	1,806	15,382	Gr
Oct-01-1998	189	G	11,610	G	1,495	Gr	1,032	16,286	Gr
Nov-01-1998	166	G	9,900	G	1,727	Gr	1,192	16,051	Gr
Dec-01-1998	150	G	9,230	G	1,950	Gr	1,346	16,883	Gr
Jan-01-1999	171	G	10,520	G	2,083	Gr	1,437	20,564	Gr
Feb-01-1999	249	G	13,850	G	2,338	Gr	1,613	30,373	Gr
Mar-01-1999	215	G	13,230	G	2,771	Gr	1,912	34,411	Gr
Apr-01-1999	122	G	7,240	G	2,572	Gr	1,775	17,480	Gr
May-01-1999	98	G	5,990	G	2,900	Gr	2,001	16,314	Gr
Jun-01-1999	94	G	5,570	G	3,644	Gr	2,514	19,032	Gr
Jul-01-1999	80	G	4,930	G	3,608	Gr	2,490	16,689	Gr
Aug-01-1999	78	G	4,790	G	3,334	Gr	2,300	14,980	Gr
Sep-01-1999	76	G	4,500	G	2,558	Gr	1,765	10,808	Gr

Table 27a. Monthly Flow and Salinity of Water at Mud Slough (WY 1997 - 2001).

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		µS/cm		mg/L	tons	
Oct-01-1999	181	G	11,130	G	1,498	Gr	1,034	15,642	Gr
Nov-01-1999	162	G	9,630	G	1,647	Gr	1,136	14,885	Gr
Dec-01-1999	120	G	7,360	G	2,109	Gr	1,455	14,570	Gr
Jan-01-2000	192	G	11,780	G	1,874	Gr	1,293	20,724	Gr
Feb-01-2000	271	G	15,610	G	1,931	Gr	1,332	28,291	Gr
Mar-01-2000	201	G	12,360	G	2,653	Gr	1,831	30,773	Gr
Apr-01-2000	88	G	5,250	G	3,463	Gr	2,389	17,056	Gr
May-01-2000	87	G	5,320	G	2,791	Gr	1,926	13,935	Gr
Jun-01-2000	85	G	5,080	G	3,204	Gr	2,211	15,273	Gr
Jul-01-2000	68	G	4,200	G	3,315	Gr	2,287	13,055	Gr
Aug-01-2000	59	G	3,620	G	3,059	Gr	2,111	10,402	Gr
Sep-01-2000	52	G	3,100	G	2,403	Gr	1,658	6,996	Gr
Oct-01-2000	183	G	11,234	Gr	1,250	G	863	12,741	Gr
Nov-01-2000	157	G	9,356	Gr	1,696	Gr	1,170	14,891	Gr
Dec-01-2000	149	G	9,162	Gr	2,011	Gr	1,388	17,286	Gr
Jan-01-2001	184	G	11,310	Gr	2,090	G	1,442	21,903	Gr
Feb-01-2001	220	G	12,230	Gr	2,546	Gr	1,757	29,224	Gr
Mar-01-2001	242	G	14,872	Gr	3,050	G	2,105	39,046	Gr
Apr-01-2001	74	G	4,380	Gr	3,975	Gr	2,743	16,336	Gr
May-01-2001	75	G	4,590	Gr	2,492	Gr	1,719	10,733	Gr
Jun-01-2001	65	G	3,842	Gr	3,670	G	2,532	13,088	Gr
Jul-01-2001	72	G	4,437	Gr	3,870	G	2,670	16,043	Gr
Aug-01-2001	64	G	3,941	Gr	3,630	G	2,505	13,406	Gr
Sep-01-2001	59	G	3,517	Gr	2,946	Gr	2,033	9,723	Gr

Table 27b. Annual Flow and Salinity of Water at Mud Slough (WY 1997 - 2001).

See Table 31 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
	average		totals		average		average	totals
WY 1997	181		130,930		2,390		1,649	254,020
WY 1998	257		182,580		2,600		1,794	369,564
WY 1999	141		101,360		2,582		1,781	229,871
WY 2000	131		94,440		2,496		1,722	201,602
WY 2001	129		92,871		2,769		1,910	214,420

Table 28a. Monthly Flow and Salinity of Water at Salt Slough (WY 1997 - 2001).

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		acre-feet		µS/cm		mg/L	tons	
Oct-01-1996	123	G	7,590	G	1,188	Gr	808	8,342	Gr
Nov-01-1996	211	G	12,550	G	1,228	Gr	835	14,256	Gr
Dec-01-1996	214	G	13,140	G	1,490	Gr	1,013	17,831	Gr
Jan-01-1997	426	G	26,160	G	1,511	Gr	1,027	36,560	Gr
Feb-01-1997	343	G	19,050	G	1,608	Gr	1,093	28,323	Gr
Mar-01-1997	353	G	21,720	G	1,233	Gr	838	24,764	Gr
Apr-01-1997	159	G	9,450	G	1,653	Gr	1,124	14,445	Gr
May-01-1997	149	G	9,140	G	1,363	Gr	927	11,523	Gr
Jun-01-1997	153	G	9,130	G	1,292	Gr	879	10,903	Gr
Jul-01-1997	162	G	9,940	G	1,029	Gr	700	9,459	Gr
Aug-01-1997	190	G	11,690	G	919	Gr	625	9,929	Gr
Sep-01-1997	113	G	6,720	G	1,020	Gr	694	6,335	Gr
Oct-01-1997	124	G	7,680	G	1,220	Gr	830	8,668	Gr
Nov-01-1997	155	G	9,320	G	1,449	Gr	985	12,486	Gr
Dec-01-1997	128	G	7,940	G	1,970	Gr	1,340	14,466	Gr
Jan-01-1998	139	G	8,700	G	2,242	Gr	1,525	18,028	Gr
Feb-01-1998	629	G	35,030	G	1,901	Gr	1,293	61,588	Gr
Mar-01-1998	476	G	29,420	G	1,850	Gr	1,258	50,326	Gr
Apr-01-1998	307	G	18,420	G	1,817	Gr	1,236	30,946	Gr
May-01-1998	273	G	16,840	G	1,165	Gr	792	18,148	Gr
Jun-01-1998	280	G	16,800	G	781	Gr	531	12,128	Gr
Jul-01-1998	288	G	17,930	G	708	Gr	481	11,740	Gr
Aug-01-1998	295	G	17,250	G	714	Gr	486	11,391	Gr
Sep-01-1998	181	G	10,770	G	824	Gr	560	8,208	Gr
Oct-01-1998	174	G	10,720	G	925	Gr	629	9,165	Gr
Nov-01-1998	178	G	10,570	G	1,123	Gr	764	10,974	Gr
Dec-01-1998	145	G	8,930	G	1,454	Gr	989	11,999	Gr
Jan-01-1999	253	G	15,490	G	1,276	Gr	868	18,274	Gr
Feb-01-1999	369	G	20,490	G	1,311	Gr	891	24,841	Gr
Mar-01-1999	352	G	21,620	G	1,580	Gr	1,074	31,584	Gr
Apr-01-1999	180	G	10,730	G	1,652	Gr	1,123	16,396	Gr
May-01-1999	161	G	9,890	G	1,219	Gr	829	11,143	Gr
Jun-01-1999	172	G	10,270	G	1,098	Gr	747	10,430	Gr
Jul-01-1999	190	G	11,680	G	901	Gr	613	9,735	Gr
Aug-01-1999	204	G	12,520	G	811	Gr	551	9,387	Gr
Sep-01-1999	150	G	8,860	G	954	Gr	649	7,817	Gr

Table 28a. Monthly Flow and Salinity of Water at Salt Slough (WY 1997 - 2001).

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		µS/cm		mg/L	tons	
Oct-01-1999	163	G	10,010	G	1,054	Gr	717	9,752	Gr
Nov-01-1999	158	G	9,410	G	1,346	Gr	915	11,712	Gr
Dec-01-1999	104	G	6,410	G	1,856	Gr	1,262	11,010	Gr
Jan-01-2000	118	G	7,280	G	2,049	Gr	1,393	13,800	Gr
Feb-01-2000	272	G	15,670	G	1,724	Gr	1,172	24,979	Gr
Mar-01-2000	380	G	23,410	G	1,454	Gr	989	31,474	Gr
Apr-01-2000	265	G	15,770	G	1,241	Gr	844	18,099	Gr
May-01-2000	193	G	11,840	G	1,219	Gr	829	13,350	Gr
Jun-01-2000	178	G	10,600	G	1,019	Gr	693	9,991	Gr
Jul-01-2000	215	G	13,190	G	953	Gr	648	11,626	Gr
Aug-01-2000	179	G	10,990	G	944	Gr	642	9,595	Gr
Sep-01-2000	110	G	6,470	G	913	Gr	621	5,463	Gr
Oct-01-2000	127	G	7,831	Gr	1,044	Gr	710	7,559	Gr
Nov-01-2000	142	G	8,456	Gr	1,622	Gr	1,103	12,685	Gr
Dec-01-2000	144	G	8,858	Gr	1,231	Gr	837	10,085	Gr
Jan-01-2001	195	G	11,964	Gr	1,503	Gr	1,022	16,687	Gr
Feb-01-2001	262	G	14,563	Gr	1,540	G	1,047	20,497	Gr
Mar-01-2001	398	G	24,484	Gr	1,540	G	1,047	34,001	Gr
Apr-01-2001	235	G	13,962	Gr	1,450	G	986	18,739	Gr
May-01-2001	160	G	9,858	Gr	1,320	G	898	11,864	Gr
Jun-01-2001	161	G	9,553	Gr	1,220	G	830	10,682	Gr
Jul-01-2001	182	G	11,167	Gr	1,092	Gr	743	11,276	Gr
Aug-01-2001	157	G	9,632	Gr	1,120	G	762	9,708	Gr
Sep-01-2001	60	G	3,564	Gr	1,520	G	1,034	4,952	Gr

Table 28b. Annual Flow and Salinity of Water at Salt Slough(WY 1997 - 2001).

See Table 31 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
	average		totals		average		average	totals
WY 1997	216		156,280		1,295		880	192,670
WY 1998	273		196,100		1,387		943	258,123
WY 1999	211		151,770		1,192		811	171,745
WY 2000	195		141,050		1,314		894	170,851
WY 2001	185		133,892		1,350		918	168,735

Table 29a. Monthly Flow and Salinity of Water at San Joaquin River at Crow's Landing (WY 1997 - 2001).

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		µS/cm		mg/L	tons	
Oct-01-1996	1,013	G	62,290	G	633	Gr	392	33,262	Gr
Nov-01-1996	1,027	G	61,120	G	869	Gr	539	44,792	Gr
Dec-01-1996	4,364	G	268,300	G	326	Gr	202	73,753	Gr
Jan-01-1997	25,600	G	1,574,000	G	166	Gr	103	220,954	Gr
Feb-01-1997	23,390	G	1,299,000	G	231	Gr	143	253,517	Gr
Mar-01-1997	4,614	G	283,700	G	745	Gr	462	178,110	Gr
Apr-01-1997	1,353	G	80,480	G	1,078	Gr	668	73,128	Gr
May-01-1997	1,238	G	76,100	G	916	Gr	568	58,784	Gr
Jun-01-1997	605	G	35,980	G	1,390	Gr	862	42,186	Gr
Jul-01-1997	583	G	35,850	G	1,187	Gr	736	35,876	Gr
Aug-01-1997	612	G	37,630	G	1,315	Gr	815	41,729	Gr
Sep-01-1997	501	G	29,820	G	979	Gr	607	24,611	Gr
Oct-01-1997	648	G	39,860	G	1,037	Gr	643	34,861	Gr
Nov-01-1997	751	G	44,690	G	1,301	Gr	807	49,011	Gr
Dec-01-1997	866	G	53,260	G	1,352	Gr	838	60,705	Gr
Jan-01-1998	2,270	G	139,600	G	685	Gr	425	80,603	Gr
Feb-01-1998	18,020	G	1,001,000	G	427	Gr	265	360,319	Gr
Mar-01-1998	10,130	G	623,100	G	508	Gr	315	266,927	Gr
Apr-01-1998	13,980	G	832,100	G	339	Gr	210	238,007	Gr
May-01-1998	12,090	G	743,600	G	244	Gr	151	152,762	Gr
Jun-01-1998	11,890	G	707,300	G	183	Gr	113	109,320	Gr
Jul-01-1998	8,176	G	502,700	G	164	Gr	102	69,341	Gr
Aug-01-1998	1,757	G	108,100	G	518	Gr	321	47,242	Gr
Sep-01-1998	1,842	G	109,600	G	458	Gr	284	42,371	Gr
Oct-01-1998	2,092	G	128,600	G	410	Gr	254	44,509	Gr
Nov-01-1998	1,228	G	73,090	G	849	Gr	526	52,300	Gr
Dec-01-1998	1,553	G	95,490	G	650	Gr	403	52,295	Gr
Jan-01-1999	1,562	G	96,020	G	800	Gr	496	64,734	Gr
Feb-01-1999	2,909	G	161,500	G	609	Gr	378	82,991	Gr
Mar-01-1999	1,847	G	113,600	G	1,062	Gr	658	101,750	Gr
Apr-01-1999	1,937	G	115,200	G	751	Gr	466	72,955	Gr
May-01-1999	1,367	G	84,070	G	773	Gr	479	54,820	Gr
Jun-01-1999	684	G	40,690	G	1,310	Gr	812	44,925	Gr
Jul-01-1999	567	G	34,840	G	1,293	Gr	802	37,983	Gr
Aug-01-1999	615	G	37,810	G	1,233	Gr	764	39,320	Gr
Sep-01-1999	579	G	34,440	G	1,085	Gr	673	31,517	Gr

Table 29a. Monthly Flow and Salinity of Water at San Joaquin River at Crow's Landing (WY 1997 - 2001).

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		acre-feet		µS/cm		mg/L	tons	
Oct-01-1999	836	G	51,890	G	874	Gr	542	38,233	Gr
Nov-01-1999	876	G	52,230	G	1,091	Gr	676	48,036	Gr
Dec-01-1999	695	G	42,230	G	1,327	Gr	823	47,265	Gr
Jan-01-2000	942	G	59,110	G	1,176	Gr	729	58,618	Gr
Feb-01-2000	3,480	G	201,700	G	530	Gr	329	90,098	Gr
Mar-01-2000	4,470	G	274,900	G	590	Gr	366	136,828	Gr
Apr-01-2000	1,690	G	100,200	G	833	Gr	516	70,370	Gr
May-01-2000	1,370	G	84,830	G	912	Gr	565	65,234	Gr
Jun-01-2000	739	G	43,800	G	1,214	Gr	753	44,821	Gr
Jul-01-2000	675	G	41,610	G	1,148	Gr	712	40,284	Gr
Aug-01-2000	630	G	38,800	G	1,080	Gr	670	35,341	Gr
Sep-01-2000	597	G	36,180	G	942	Gr	584	28,751	Gr
Oct-01-2000	1,050	G	64,622	Gr	738	G	458	34,895	Gr
Nov-01-2000	1,050	G	62,365	Gr	738	G	458	38,171	Gr
Dec-01-2000	831	G	51,105	Gr	1,080	G	670	46,134	Gr
Jan-01-2001	965	G	59,338	Gr	1,250	G	775	61,973	Gr
Feb-01-2001	1,090	G	60,745	Gr	1,420	G	880	71,151	Gr
Mar-01-2001	1,590	G	97,685	Gr	1,410	G	874	108,023	Gr
Apr-01-2001	1,210	G	71,848	Gr	1,051	Gr	652	63,652	Gr
May-01-2001	1,160	G	71,229	Gr	1,178	Gr	730	70,762	Gr
Jun-01-2001	524	G	31,187	Gr	1,380	G	856	36,057	Gr
Jul-01-2001	521	G	32,051	Gr	1,310	G	812	35,425	Gr
Aug-01-2001	472	G	28,999	Gr	1,320	Gr	818	32,284	Gr
Sep-01-2001	374	G	22,251	Gr	1,340	G	831	25,028	Gr

Table 29b. Annual Flow and Salinity of Water at San Joaquin River at Crow's Landing (WY 1997 - 2001).

See Table 31 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		acre-feet	µS/cm		mg/L	tons
	average		totals	average		average	totals
WY 1997	5,408		3,844,270	820		508	1,080,702
WY 1998	6,868		4,904,910	601		373	1,511,469
WY 1999	1,412		1,015,350	902		559	680,099
WY 2000	1,417		1,027,480	976		605	703,879
WY 2001	903		653,425	1,185		734	623,555

Table 30. Summary of sediment monitoring results from March 1996 to August 2001. 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			3-8 cm			Whole Core		
		SOURCE			0-3 cm			3-8 cm			Whole Core		
Station Name	UNITS	µg/g (dry)	µg/g (dry)	µg/g (dry)	%	%	%	%	%	%			
		Station A:	Mar-13-1996	2.0	16	10	3.9	3.6	3.4	83.3	79.1	80.5	
Inflow to San Luis Drain	Jun-27-1996	8.0	20	29	4.33	5.01	2.96	83.80	78.30	71.20			
	Sep-04-1996	3.4	24	7.7	4.35	2.72	4.10	81.20	73.30	76.00			
	Nov-12-1996	22	62	55	2.92	3.10	3.72	*	*	*			
	Mar-12-1997	NT	NT	NT	NT	NT	NT	NT	NT	NT			
	Jun-10-1997	2.9	4.2	5.4	0.89	1.55	2.10	55.00	58.00	62.00			
	Sep-11-1997	38	56	50	1.52	2.18	1.95	70.60	75.70	70.20			
	Nov-18-1997	NT	NT	NT	NT	NT	NT	NT	NT	NT			
	Mar-03-1998	18	150	98	1.21	2.89	2.28	52.90	63.30	65.00			
	Jun-04-1998	2.8	12	7.0	0.58	1.58	1.03	35.20	54.90	50.00			
	Sep-28-1998	8.5	23	52	1.06	1.17	2.25	55.00	55.30	67.90			
	Nov-10-1998	27	140	31	1.55	2.61	1.43	71.00	60.10	59.60			
	Feb-10-1999	3.0	15	11	1.32	1.45	1.10	69.30	65.00	59.10			
	Jun-17-1999	2.5	2.7	23	1.03	1.01	1.34	49.60	52.90	56.30			
	Sep-17-1999	43	16	30	1.11	1.23	2.05	61.40	59.50	68.40			
	Nov-18-1999	2.9	14	4.3	0.80	1.36	0.93	55.60	59.10	53.30			
	Mar-02-2000	2.5	2.4	2.4	0.71	0.83	0.98	47.30	48.30	51.40			
	Jun-06-2000	2.6	2.8	3.0	0.92	0.86	0.87	43.30	44.40	44.10			
	Sep-27-2000	32.0	62.0	70.0	2.99	2.32	1.81	73.10	70.70	67.90			
	Nov-14-2000	2.8	2.4	10.0	1.23	0.87	1.76	54.80	45.40	57.90			
	Mar-07-2001	3.6	4.0	3.5	1.13	1.45	1.21	43.50	45.30	48.10			
Jun-06-2001	2.8	2.4	2.8	1.07	0.80	0.79	45.00	44.40	46.00				
Aug-08-2001	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Station B:	Mar-12-1996	NT	NT	NT	NT	NT	NT	NT	NT				
Discharge from San Luis Drain	Jun-27-1996	19	12	30	2.70	2.81	2.15	64.70	59.90	59.00			
	Sep-04-1996	11	18	20	3.85	3.75	2.08	66.50	61.70	51.20			
	Nov-12-1996	24	41	40	1.97	1.89	3.45	*	*	*			
	Mar-13-1997	26	48	42	2.49	2.36	2.66	*	*	*			
	Jun-10-1997	14	27	0.11	2.14	2.95	0.07	40.00	49.00	58.00			
	Sep-11-1997	21	61	48	2.39	2.82	1.84	65.90	61.40	53.80			
	Nov-18-1997	15	28	41	1.62	1.86	1.73	53.80	44.20	50.20			
	Mar-03-1998	18	41	45	1.46	1.70	1.73	50.80	51.40	54.30			
	Jun-03-1998	11	21	26	0.85	1.51	1.09	46.60	54.00	46.10			
	Sep-29-1998	13	15	NT	1.51	1.64	NT	85.90	79.50	NT			
	Nov-09-1998	17	17	17	1.68	1.74	1.76	73.20	80.80	56.70			
	Feb-09-1999	15	31	23	0.94	1.93	1.87	61.30	60.90	72.70			
	Jun-18-1999	17	27	31	1.45	1.84	1.28	56.10	61.40	47.10			
	Sep-16-1999	20	29	26	1.65	2.03	1.57	51.70	54.70	59.20			
	Nov-17-1999	38	21	39	2.23	1.96	1.92	58.80	55.60	55.90			
	Mar-01-2000	65	28	29	1.80	0.99	1.32	59.10	53.80	43.20			
	Jun-06-2000	NT	NT	NT	NT	NT	NT	NT	NT	NT			
	Sep-27-2000	NT	NT	19	NT	NT	0.62	NT	NT	40.90			
	Nov-14-2000	NT	NT	NT	NT	NT	NT	NT	NT	NT			
	Mar-07-2001	18	53	110	0.67	1.86	2.89	31.50	49.60	59.40			
Jun-06-2001	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Aug-08-2001	NT	NT	NT	NT	NT	NT	NT	NT	NT				

Table 30. Summary of sediment monitoring results from March 1996 to August 2001. 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	3-8 cm	Whole Core	0-3 cm	3-8 cm	Whole Core
		SOURCE			USBR	USBR	USBR	USBR	USBR	USBR
		UNITS			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
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

Table 30. Summary of sediment monitoring results from March 1996 to August 2001. Concentrations in µg/g dry weight (continued).

See Table 31 for explanation of footnotes and agency abbreviations.

Station Code	PARAMETER	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
Station Name	DEPTH	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	
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	
Station I: 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	

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