APPENDIX B

Electrical Conductivity, Boron, and Selenium Water Quality Data for Grasslands Inflow Monitoring Stations

Map Index	RWQCB Site I.D.	Table	Site Name	Page
I-1	MER556	Table-B1	Main (Firebaugh) Drain @ Russell Avenue	119
I-2	MER501	Table-B2	Panoche Drain	126
I-3	MER552	Table-B3	Agatha Inlet (Mercy Springs) Drain	132
I-4	MER506	Table-B4	Agatha Canal	135
I-5	MER507	Table-B5	Helm Canal	140
I-6	MER504	Table-B6	Hamburg Drain	141
I-7	MER505	Table-B7	Camp 13 Slough	147
I-8	MER502	Table-B8	Charleston Drain	152
I-9	MER555	Table-B9	Almond Drive Drain	157
I-10	MER509	Table-B10	Rice Drain	160
I-11	MER521	Table-B11	Boundary Drain	164
I-12	MER528	Table-B12	Salt Slough Ditch @ Hereford Road	167
I-13	MER513	Table-B13	Garzas Creek @ Hunt Road	172

Appendix Legend

Abbreviation	Abbreviation Explanation
EC	Electrical Conductivity
B	Total Boron
Se	Total Selenium

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556)

Location: Latitude: 36°55'27", Longitude 120°39'11". In SW 1/4, SW 1/4, SW 1/4, Sec. 34, T.11S.,R.12E. East side of Russel Avenue, 2.7 miles south of Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		8.0	2600	2.4	35
6/3/85			2800	4.0	40
6/13/85		7.8	2200	2.8	34
7/2/85		7.7	2400	3.2	48
8/15/85			2400	2.8	32
8/28/85		7.8	2100	3.4	24
9/28/85			3100	4.6	50
10/31/85		8.3	3300	5.2	64
12/7/85		8.9	2100	3.1	5
1/4/86		8.6	2000	2.5	4
1/14/86		8.0	3200	5.7	49
2/1/86		8.2	2900	3.0	45
3/1/86		8.2	4300	7.0	80
4/19/86			3100	4.6	69
4/27/86		7.9	3300	4.7	66
5/13/86			2700	3.5	55
6/4/86		8.0	2200	2.8	36
6/17/86			1900	2.4	33
6/26/86		8.8	2700	3.8	46
8/5/86		8.8	2200	3.2	30
9/2/86			2400	3.4	32
9/28/86		7.9	2600	4.8	37
11/3/86				3.4	48
12/4/86		7.9		8.4	79
1/3/87		8.3	5500	6.3	16
1/30/87		7.9	2700	3.3	58
2/27/87		8.1	3140	5.0	76
4/1/87		8.1	3080	4.0	67
5/1/87		8.5	2140	2.3	38
6/1/87		7.6	2320	2.9	40
7/1/87			2600	3.4	38
7/31/87		7.8	2100	2.6	38
9/1/87			2310	2.9	35
10/1/87	69	7.6	2760	3.3	50
11/3/87	59	7.8	3600	3.8	47
12/1/87	56	8.6	7510	9.2	187
1/5/88	50	6.9	6350	6.1	150
1/27/88	53	7.9	3100	3.3	55
3/9/88	61		4500	7.0	119
3/30/88	58	8.0	2700	3.0	45
5/5/88	58	8.0	3850	4.3	64
6/1/88	70	7.6	2350	2.5	36
6/29/88	70	7.8	2900	3.7	44
8/1/88	80	7.9	2450	2.5	36
9/1/88	80		2860	3.5	48
10/4/88	64		3060	3.7	52
11/1/88	64	7.8	2050	1.8	27
12/8/88	50		4770	6.7	68
1/11/89	49		4900	7.0	119
2/7/89	43	8.0	2700	2.2	44

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/1/89	55	7.9	5100	5.6	127
3/29/89	67	7.5	3650	4.5	74
5/1/89	70	7.6	3110	3.5	61
5/30/89	73	8.0	2860	4.0	38
7/5/89	76	7.6	2900	4.0	47
8/1/89	71	8.1	2060	2.5	35
9/1/89	68	8.1	2400	3.2	30
10/6/89	65	6.4	3730	5.4	52
10/30/89	61	8.5	3190	4.5	41
11/30/89	47	7.9	3150	3.2	49
12/29/89	46	7.0	5360	5.3	107
1/19/90	44	8.2	3400	3.0	50
2/2/90	46	8.1	3310	3.1	62
3/30/90	59	8.1	3090	4.1	51
4/12/90	64	7.8	4240	4.8	75
4/27/90	63	7.9	4160	4.6	75
5/31/90	69	8.4	8780	23	8.9
6/28/90	69	9.1		4.6	63
7/27/90	83	7.9	3100	4.5	64
8/30/90	75	8.0	3660	5.4	76
9/28/90	68	8.0		20	4.0
10/26/90	61	7.8	6570	12	154
11/27/90	44	7.9	7870	12	205
12/28/90	34	7.6	9090	16	286
1/25/91	44	7.8	3640	5.2	88
2/22/91	55	9.4	6310	21	68
3/28/91	58	7.9	3660	3.8	70
4/25/91	69	7.8	2980	3.8	48
5/9/91	56	7.7	3410	4.5	51
5/11/91	60	7.6	3370	4.5	51
5/14/91	56	7.9	3260	5.3	63
5/16/91	64	8.0	4420	6.5	70
5/19/91	54	8.1	4300	6.5	68
5/21/91	62	7.8	4160	5.9	65
5/23/91	76	8.1	4360	6.4	81
5/25/91	68	7.6	4100	6.0	51
5/28/91	64	7.7	4100	6.2	57
5/30/91	68	8.8	3830	5.4	63
6/1/91	70	7.8	3200	1.2	44
6/3/91	74	7.6	3200	3.5	49
6/5/91	64	7.8	3230	4.2	42
6/7/91	64	7.7	3290	4.2	38
6/10/91	72	7.6	3870	5.1	56
6/12/91	76	7.9	3400	4.5	43
6/14/91	70	7.8	3140	3.7	39
6/17/91	74	7.8	3270	3.6	41
6/19/91	72	8.0	3520	4.3	43
6/21/91	64	7.5	3400	4.2	45
6/24/91	62	7.7	3500	4.5	50
6/26/91	70	8.3	3290	4.2	41
6/28/91	66	7.8	3300	4.6	52
7/1/91	84	8.5	4170	5.9	72
7/3/91	78	7.1	3430	4.6	49

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
7/5/91	84	8.1	3560	4.7	54
7/8/91	78	7.9	3050	4.1	43
7/10/91	74	7.8	3190	4.1	43
7/12/91	72	7.3	3300	4.2	42
7/15/91	70	7.6	2890	4.0	38
7/17/91	76	8.5	3570	5.3	50
7/19/91	74	8.4	3010	4.0	40
7/22/91	80	7.5	3570	5.0	52
7/24/91	72		3220	4.4	47
7/26/91	78		2620	3.3	36
7/29/91	74		2640	3.2	34
7/31/91	75		3010	3.9	42
8/2/91	67	8.3	2820	5.1	43
8/5/91	72	8.3	3020	4.0	38
8/7/91	78	7.7	2970	3.8	38
8/9/91	75	8.8	2600	3.5	30
8/12/91	72	8.2	2540	3.4	31
8/14/91	80	7.4	2450	2.9	29
8/16/91	69		2780	3.9	35
8/19/91	70	8.1	2930	3.8	36
8/21/91	74		2980	3.4	36
8/23/91	70		2880	3.8	34
8/26/91	67	7.7	2410	3.1	26
8/28/91	69	8.3	2440	3.3	23
8/30/91	74	7.9	3490	4.8	53
9/7/91	78	7.9	4430	6.9	76
9/10/91	72	8.3	4210	6.2	74
9/14/91	70	7.7	3310	4.4	47
9/17/91	76	7.7	2310	2.8	24
9/21/91	76	8.0	4940	8.2	108
9/23/91	80	8.1	4350	7.1	55
9/27/91	74	7.9	6000	11	84
9/30/91	70	7.7	4000	6.9	47
10/4/91	74	8.0	2170	2.4	25
10/7/91	68	7.6	4130	6.2	46
10/11/91	68	7.3	2580	3.4	22
10/18/91	68	7.7	2970	3.7	25
10/25/91		7.2	3220	5.3	39
11/1/91	56	8.1	3520	5.2	67
11/8/91	60	7.9	2280	2.5	44
11/15/91	58	8.1	3070	4.7	65
11/25/91	55	7.7	2360	3.2	34
12/6/91	41	8.3	7050	13	121
12/13/91	44	8.7	7970	19	158
12/20/91		8.7	8120	17	174
12/26/91	47	8.8	7480	15	137
1/10/92	46	8.4	3350	4.6	23
1/17/92	42	8.5	4160	5.3	37
1/24/92		8.1	4540	6.8	86
1/31/92		8.8	2510	3.0	29
2/28/92	62	8.0	4310	5.8	76
3/6/92	54	8.1	3810	5.5	73
3/13/92	58	8.2	5150	8.3	110

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/20/92	58	8.3	4720	7.9	97
3/26/92	62	8.0	5510	6.8	132
3/30/92	60	8.0	4780	6.1	99
4/2/92	62	8.1	5910	9.3	128
4/9/92	59	8.2	4030	5.2	85
4/16/92	60	8.2	4950	6.6	118
4/23/92	58	8.2	3890	4.9	87
4/30/92	66	7.9	2530	2.7	32
5/7/92	76	8.1	3090	3.2	44
5/15/92	74	8.1	3830	5.1	67
5/21/92		8.2	3700	4.8	65
5/28/92	83	8.0	3050	4.4	
5/29/92	72	7.8	4700	8.2	81
6/5/92	84	8.2	3300	5.0	47
6/12/92	73	8.2	3550	4.4	55
6/19/92	78	8.2	3590	5.0	56
6/26/92	72	7.8	4170	5.8	71
7/3/92	74	7.9	3700	5.5	56
7/10/92	75	7.5	3650	5.3	59
7/17/92	76	7.5	3380	5.3	49
7/24/92	72	8.0	3310	4.9	39
7/30/92	73	7.8	2990	4.1	40
8/7/92	66	8.1	3370	5.2	41
8/14/92	74	7.8	2620	3.6	22
8/23/92	83	7.9	2700	3.7	29
8/27/92	76	8.0	2910	4.0	28
9/4/92	67	7.5	4970	8.0	61
9/11/92	71	7.9	6120	12	112
9/18/92	68	8.6	8010	16	168
9/25/92	66	7.8	2460	3.3	16
10/2/92	66	7.5	2920	4.5	25
10/9/92	66	7.6	3540	5.6	38
10/16/92	61	7.6	5370	10	64
10/23/92	61	8.4	5530	11	78
10/30/92	62	8.0	2940	3.4	38
11/6/92	58	8.0	3260	5.0	44
11/13/92	49	8.0	2980	4.1	39
11/20/92	51		2900	3.9	33
11/30/92	48	7.8	5110	9.0	107
12/4/92	47	8.2	3630	5.7	52
12/14/92	49	8.2	5780	9.0	101
12/22/92	46	8.0	8740	18	224
12/30/92	52		8540	17	223
1/8/93	52	7.2	5090	6.9	90
1/15/93			4370	7.1	48
1/22/93	55	7.7	5080	8.5	117
1/28/93	48	8.5	7060	12	176
2/4/93	54	7.6	5680	9.7	145
2/10/93	54		4430	6.3	83
2/19/93	55	6.8	3910	5.1	72
2/25/93	54	8.4	6110	8.5	148
3/5/93	58	7.5	5900	9.7	136
3/12/93	61	7.6	4900	7.0	104

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/18/93	61	7.9	4030	5.5	68
3/26/93	60	7.5	3440	4.1	71
4/2/93	59	8.1	6670	9.4	174
4/9/93	62	8.1	5770	6.3	118
4/16/93	60	7.5	4400	5.5	81
4/23/93	60	8.1	4500	4.9	96
4/30/93	68	8.2	4150	4.2	79
5/7/93	63	8.1	3090	4.0	52
5/14/93	64	8.1	3070	3.8	40
5/21/93	64	7.9	2900	3.5	42
5/28/93	65	7.7	2830	3.4	40
6/4/93	66	7.8	3410	4.5	63
6/11/93	62	6.5	6510	6.7	130
6/18/93	74	8.0	3050	4.5	46
6/25/93	75	7.1	2590	3.0	33
7/2/93	78	7.0	3100	4.4	37
7/9/93	75	7.5	2560	3.5	34
7/16/93	69	7.8	2930	4.4	41
7/23/93	75	7.3	2340	3.1	27
7/30/93	72	7.4	3090	5.5	44
8/6/93	75	7.4	1930	3.0	20
8/13/93	71	7.6	3060	4.7	33
8/20/93	69	7.0	2900	5.0	30
8/26/93	76	7.5	2820	4.0	48
9/3/93	75	7.0	3340	5.0	68
9/10/93	72	7.0	3530	5.0	49
9/17/93	63	7.4	2540	3.0	31
9/23/93	64	7.7	2200	3.0	27
10/1/93	71	7.1	2400	2.8	17
10/8/93	66	7.8	2270	3.1	15
10/15/93	64	7.2	5220	6.5	16
10/21/93	68	8.2	4940	7.8	53
10/28/93	60	7.8	4030	6.4	43
11/5/93	54	6.6	3150	4.8	39
11/12/93	56	7.9	2890	4.0	28
11/22/93	52	7.8	3020	3.7	38
11/28/93	53	7.8	3490	4.5	49
12/3/93	46	7.6	3950	5.3	45
12/10/93	56	7.8	2900	3.8	30
12/17/93		7.8	3080	4.6	22
12/28/93	44	8.0	5950	9.6	67
1/7/94	40	8.2	4020	6.7	60
1/14/94	46	7.7	3930	3.8	82
1/21/94	49	8.1	4180	5.0	93
1/28/94	50	7.9	3700	3.9	69
2/3/94	49	8.2	3510	3.7	68
2/11/94	49	8.0	4090	4.5	89
2/17/94	53	8.0	4530	4.8	114
2/25/94	52	8.1	4920	5.5	107
3/4/94	59	8.1	4880	5.7	118
3/9/94	62	8.4	4990	6.2	119
3/16/94	61	7.9	5010	6.1	126
3/23/94	52	8.0	4600	5.4	87

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
4/1/94	60	8.3	3850	4.1	83
4/6/94		8.0	5080	5.9	111
4/15/94	62	8.8	4120	5.2	91
4/21/94	62	7.8	3270	3.8	60
4/27/94	59	8.2	3850	4.7	81
5/4/94	64	7.8	5910	7.0	136
5/10/94	74	8.2	4100	5.1	87
5/16/94	63	8.0	5030	7.3	129
5/25/94	68	8.0	5220	5.7	106
6/1/94	70	7.6	3340	4.1	68
6/8/94	62	8.0	3870	4.9	59
6/15/94	63	7.7	2730	3.8	38
6/21/94	68	8.2	3240	3.8	55
6/29/94	74	7.8	2690	3.7	36
7/6/94	70	8.2	3300	3.0	63
7/13/94	76	8.0	3450	4.5	66
7/21/94	74	8.0	2770	3.2	42
7/27/94	77	8.1	3250	4.4	46
8/3/94	72	8.1	3200	4.0	46
8/10/94	72	6.7	3140	4.0	57
8/16/94	74	7.8	2550	3.2	34
8/24/94	70	7.0	2470	3.0	33
8/31/94	74	7.8	4870	6.9	98
9/7/94	68	8.1	3550	3.6	45
9/14/94	69	8.1	2890	3.5	47
9/22/94	70	7.7	2670	3.4	26
9/29/94	67	7.8	2840	3.2	29
10/7/94	64	8.1	2630	2.8	30
10/12/94	57	7.9	4260	6.1	60
10/20/94	60	8.0	3220	4.1	29
10/27/94	60	8.0	4370	5.7	59
11/8/94	48	8.0	2040	1.7	28
11/10/94	54	8.2	3260	3.0	33
11/18/94	49	8.0	4670	6.0	91
11/22/94			3940	4.5	66
12/1/94	46		4140	4.8	65
12/9/94	40		6700	7.4	124
12/15/94	46		4630	5.9	79
12/21/94	48		5540	6.9	108
12/29/94	49	8.5	6270	9.7	138
1/12/95	54	7.9	5230	6.9	126
1/19/95	47	8.0	6250	9.9	142
1/26/95	53	7.9	2430	2.5	46
2/3/95	56	8.1	5820	6.9	132
2/9/95	58	8.3	4410	5.0	92
2/17/95	51	7.8	3710	3.9	67
2/23/95	57	7.6	4310	4.7	92
3/3/95	60	8.0	4460	6.1	91
3/9/95	56	8.1	5230	7.5	117
3/23/95	54	7.3	4790	5.7	99
3/29/95	64	7.4	6200	7.7	142
4/6/95	66	8.0	6070	7.6	150
4/13/95	62	8.0	5670	6.5	135

Table-B1 Main (Firebaugh) Drain at Russel Avenue (MER556) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
4/21/95	56	8.4	6200	7.3	156
4/28/95	66	8.1	5260	6.7	126
5/3/95	65	8.1	5460	7.6	144
5/12/95	60	8.3	2840	3.0	62
5/17/95	68	7.9	2920	3.6	67
5/26/95	64	7.7	3960	4.8	94
6/2/95	68	7.4	3230	3.7	65
6/9/95	67	8.0	3570	4.1	70
6/23/95	74	8.0	2730	3.0	49
6/28/95	76	7.7	2190	2.7	33
7/6/95	76	8.1	3310	3.5	44
7/13/95	71	7.5	3460	4.2	63
7/20/95	77	8.1	2560	3.1	41
7/27/95	85	7.6	2150	2.8	37
8/3/95	80	7.7	2460	3.0	41
8/10/95	79	8.1	1910	2.3	26
8/17/95	69	7.9	2140	2.6	29
8/24/95	78	7.0	255	0.1	1.0
8/31/95	74	8.0	2540	3.0	37
9/7/95	74	8.1	2960	3.7	50
9/15/95	72	8.0	3060	3.8	64
9/22/95	72	7.6	2540	3.4	39
9/28/95	68	7.6	2640	3.3	42
Count	296	307	334	338	337
Min	34	6.4	255	0.12	1.0
Max	85	9.4	9090	23	286
Mean	64	7.9	3770	5.3	65
Geo Mean	63	7.9	3550	4.7	54
Median	65.5	7.9	3345	4.5	51

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501)
Location: Latitude 36° 55' 14" Longitude 120° 41' 43". In SW 1/4, SW 1/4, SW 1/4, Sec. 32. T.11SR. T. 12E. Located 0.5 mi. S of CCID Main Canal, 1.9 mi. W of Russell Road., 5.5 mi. SW of South Dos Palos

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		8.0	3900	6.9	52
6/3/85			3500	6.3	38
6/13/85		7.8	3200	8.0	42
7/2/85		7.7	3200	5.6	30
8/15/85			2600	4.8	24
8/28/85		8.0	2800	5.1	23
9/28/85			3000	5.8	42
10/31/85		8.3	4600	8.2	63
4/3/86					63
4/19/86			3700	7.2	69
4/27/86		7.7	3500	7.0	55
5/13/86			3700	6.0	56
6/4/86		7.9	3500	6.7	46
6/17/86			3100	5.4	43
6/26/86		8.0	3400	6.4	64
8/5/86		8.5	3200	5.7	55
9/2/86			3000	5.1	46
9/28/86		8.7	4200	9.0	64
11/3/86				4.6	52
12/4/86		7.8		6.0	74
2/27/87		8.0	3970	7.8	60
4/1/87		7.9	4310	9.4	83
5/1/87		8.5	2930	5.0	44
6/1/87		7.7	3400	5.8	50
7/1/87			3400	5.8	42
7/31/87		7.7	2700	4.1	33
9/1/87			3120	5.5	39
10/1/87	68	7.8	4750	8.7	69
11/3/87	63	8.2	4550	8.8	42
12/1/87	59	7.9	3460	5.2	55
1/27/88	60	8.0	5300	8.5	109
3/9/88	60		4200	7.1	60
3/30/88	60	8.1	3650	6.4	59
5/5/88	60	7.8	4250	7.4	54
6/1/88	76	7.9	3150	5.2	44
6/29/88	69	8.0	3400	5.6	46
8/1/88	79	7.9	2900	3.9	34
9/1/88	84		3380	4.9	49
10/4/88	74		5090	7.6	118
11/1/88	72	8.2	4840	8.4	104
12/8/88	57		3890	6.4	68
1/11/89	52		4180	6.5	79
3/1/89	57	7.8	4220	6.0	69
3/29/89	68	7.6	4700	7.5	105
5/1/89	72	7.7	4460	7.2	92
5/30/89	76	8.0	3920	6.8	53
7/5/89	75	7.8	3020	5.3	24
8/1/89	64	8.0	3220	5.7	14
9/1/89	66	7.8	3650	6.1	49
10/6/89	66	8.1	5760	9.7	152
11/6/89	58	7.0	4750	7.8	82
11/30/89	48	7.6	4150	6.1	69
12/29/89	50	7.6	4350	6.2	106
1/25/90	50	7.5	2820	6.1	121

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/30/90	56	8.0	4150	7.0	50
4/12/90	62	7.8	4350	7.2	49
4/27/90	63	8.0	4830	7.7	63
5/31/90	69	8.1	4770	7.8	63
6/28/90	64	8.8		7.4	30
7/27/90	83	8.1	3630	6.8	31
8/30/90	82	8.5	5330	7.5	76
9/28/90	69	7.5		9.0	118
10/26/90	57	7.8	4290	7.9	61
11/27/90	44	8.0	4280	6.7	65
12/28/90	40	7.7	4720	7.3	84
1/25/91	52	7.5	4430	8.1	62
2/22/91	54	8.7	4340	7.0	61
4/25/91	68	8.0	4820	8.4	99
5/9/91	56	7.7	4570	7.8	70
5/11/91	60	7.6	4710	7.6	74
5/14/91	54	7.8	4680	7.7	60
5/16/91	64	7.9	4370	6.8	56
5/19/91	54	7.9	4600	7.8	58
5/21/91	58	7.5	4660	7.5	58
5/23/91	80	8.2	4860	7.9	77
5/25/91	64	7.6	5210	8.3	133
5/28/91	60	7.6	4680	7.4	71
5/30/91	70	8.9	4890	7.8	106
6/1/91	76	7.9	4340	6.1	61
6/3/91	80	7.9	4770	6.0	87
6/5/91	66	7.6	4500	7.8	56
6/7/91	64	7.6	4570	7.0	57
6/10/91	70	7.5	4860	7.8	53
6/12/91	84	8.0	4330	7.6	53
6/14/91	76	7.9	4600	7.5	66
6/17/91	74	7.7	3990	6.8	37
6/19/91	78	7.9	4450	7.2	52
6/21/91	58	7.4	4370	6.7	34
6/24/91	60	7.6	4360	7.6	35
6/26/91	78	8.1	4710	7.8	61
6/28/91	64	7.8	4170	7.3	56
7/1/91	86	8.3	4750	8.2	73
7/3/91	72	7.5	4760	7.9	58
7/5/91	86	8.0	4450	7.2	41
7/8/91	82	7.7	3930	7.4	30
7/10/91	78	7.7	4550	7.4	62
7/12/91	68	7.4	4640	7.2	63
7/15/91	66	7.6	4490	8.0	64
7/17/91	78	8.2	4470	7.2	60
7/19/91	78	8.2	4510	7.8	71
7/22/91	84	7.5	4340	7.0	58
7/24/91	66		4780	8.0	71
7/26/91	84		4240	7.0	54
7/29/91	70		4090	7.0	31
7/31/91	70		3860	6.5	31
8/2/91	65	8.3	3150	6.6	25
8/5/91	72	8.3	4620	7.2	91
8/7/91	84	7.9	4410	7.2	76
8/9/91	73	8.8	4280	7.6	82
8/12/91	74	7.8	4370	6.8	71
8/14/91	80	7.4	4120	4.3	63
8/16/91	68		3990	7.6	44

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/19/91	68	8.2	3920	6.1	43
8/21/91	78		4470	7.7	50
8/23/91	68		4350	6.8	43
8/26/91	65	7.2	5100	7.9	58
8/28/91	72	8.1	4510	6.8	60
8/30/91	73	7.8	4680	7.5	65
9/7/91	82	8.1	4450	6.8	99
9/10/91	78	8.3	4640	7.4	95
9/14/91	70	7.6	4660	7.9	64
9/17/91	86	7.8	4530	7.3	58
9/21/91	78	8.0	5050	8.3	124
9/23/91	84	8.0	4960	8.3	105
9/27/91	74	7.8	5140	7.8	100
9/30/91	72	7.7	5180	8.0	104
10/4/91	82	7.8	4870	8.1	28
10/7/91	65	7.7	5220	8.4	39
10/11/91	68	6.6	5770	9.5	65
10/18/91	66	7.7	5080	8.0	83
10/25/91		7.1	4770	9.0	71
11/1/91	61	7.8	4930	7.8	70
11/8/91	65	7.9	4290	7.2	39
11/15/91	58	7.9	4830	9.2	54
11/25/91	56	7.7	4300	7.8	34
12/20/91		8.4	4720	7.9	82
12/26/91	46	8.2	4670	7.2	74
1/17/92	47	8.2	4810	7.3	86
1/24/92		8.1	4410	6.9	68
1/31/92		8.1	4600	7.2	71
2/28/92	59	8.0	4870	7.8	82
3/13/92	57	7.9	4960	8.4	81
3/20/92	58	8.1	4910	8.6	76
3/30/92	60	7.9	4620	7.9	72
4/9/92	59	8.0	5050	7.5	92
4/16/92	61	8.1	5300	9.5	102
4/23/92	58	8.1	4760	7.1	92
4/30/92	68	8.0	5320	9.2	112
5/7/92	77	8.3	4790	6.8	85
5/15/92	81	8.2	5150	7.5	95
5/21/92		8.4	4880	6.7	82
5/28/92	79	8.2	4730	8.3	
5/29/92	74	8.1	4990	8.4	88
6/5/92	85	8.3	4960	8.7	97
6/12/92	79	8.3	4870	8.0	65
6/19/92	82	8.3	5430	7.8	103
6/26/92	72	7.8	4810	7.4	80
7/3/92	73	7.8	4850	8.4	84
7/10/92	74	7.5	4800	7.3	88
7/17/92	74	7.5	4750	7.8	80
7/24/92	70	7.9	5040	7.8	92
7/30/92	83	8.0	5360	8.6	93
8/7/92	72	8.0	4960	7.9	99
8/14/92	74	7.6	5740	9.2	137
8/23/92	83	8.2	4600	8.6	79
8/27/92	81	8.2	4870	8.5	92
9/4/92	65	7.7	4770	7.5	75
9/11/92	70	7.9	4930	8.8	94
9/18/92	63	7.8	5240	9.0	71
9/25/92	63	7.6	5860	9.6	83

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
10/2/92	64	7.5	5380	9.9	60
10/9/92	68	7.0	4720	8.4	57
10/16/92	62	7.6	5200	9.4	33
11/2/92		7.1	5180	10	59
11/6/92	58	7.9	5150	9.0	44
11/13/92	50	6.4	5210	9.6	63
11/20/92	50		4000	7.6	58
11/30/92	50	8.0	4790	7.5	31
12/4/92	48	8.1	4720	7.6	30
12/14/92	54	8.2	4200	6.6	61
12/22/92	48	8.1	5030	8.6	105
12/30/92	53		5400	9.0	127
2/4/93	51	6.9	4600	7.9	
3/12/93	58	7.6	4910	7.0	77
3/18/93	57	7.9	5040	7.3	108
4/2/93	59	7.8	4800	7.5	76
4/9/93	60	8.1	5610	7.5	132
4/16/93	58	7.6	5990	8.7	146
4/23/93	60	7.8	5450	8.4	140
5/7/93	62	7.8	5580	8.9	114
5/14/93	61	7.9	5160	7.9	91
5/21/93	64	7.8	5160	7.3	100
5/28/93	63	7.6	4660	7.1	84
6/4/93	64	7.8	4630	7.5	63
6/11/93	64	7.3	4720	7.8	74
6/18/93	69	7.8	4830	9.2	86
6/25/93	70	7.0	5020	7.5	80
7/2/93	72	7.0	4360	6.9	71
7/9/93	72	7.5	4660	7.7	81
7/16/93	64	7.7	4620	8.1	76
7/23/93	72	7.2	4830	7.5	81
7/30/93	68	7.4	4690	7.5	93
8/6/93	72	7.0	4380	7.1	75
8/13/93	68	7.5	4340	7.6	66
8/20/93	66	7.1	4510	9.0	92
8/26/93	74	7.3	4420		88
9/3/93	74	7.2	4200	6.0	76
9/10/93	70	7.5	4160	7.0	68
9/17/93	63	7.4	4720	7.0	88
9/23/93	64	7.5	4970	8.0	55
10/1/93	70	7.0	4920	9.3	26
10/8/93	66	7.7	5430	10	29
10/15/93	64	7.7	5570	9.8	25
10/21/93	69	8.0	5030	9.2	68
10/28/93	60	7.8	4580	7.7	55
11/5/93	54	7.0	4760	7.7	72
11/12/93	54	7.6	3670	5.5	67
11/22/93	55	7.6	4010	6.3	74
11/28/93	57	7.8	3780	6.6	66
12/3/93	49	7.6	3180	5.1	43
12/10/93	56	7.8	4500	7.1	88
12/17/93		7.6	4290	6.8	73
1/7/94	48	8.1	4750	7.5	91
1/14/94	49	7.9	4840	7.3	100
1/21/94	53	7.9	4600	7.0	73
2/3/94	56	8.3	4540	6.6	86
2/11/94	51	8.0	4170	6.1	66
2/25/94	55	7.9	4570	8.2	67

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/4/94	57	7.8	5460	8.1	94
3/9/94	60	7.9	5190	8.4	50
3/16/94	59	7.6	5090	9.4	86
3/23/94	53	8.0	5180	9.1	113
4/1/94	57	7.9	4840	8.1	115
4/6/94		7.8	4970	8.7	101
4/15/94	63	7.9	4710	7.9	87
4/21/94	62	7.8	5030	8.3	99
4/27/94	60	8.0	4840	9.2	99
5/4/94	65	7.7	5190	9.2	102
5/10/94	74	7.9	5020	9.2	100
5/16/94	59	7.9	4700	7.9	89
5/25/94	68	8.0	4710	7.2	77
6/1/94	68	7.9	4730	8.0	95
6/8/94	62	7.8	4650	7.8	69
6/15/94	62	7.6	4810	8.0	74
6/21/94	66	7.9	4900	7.8	91
6/29/94	72	7.7	4360	7.5	65
7/6/94	70	7.9	4240	7.9	78
7/13/94	72	7.7	4890	9.0	102
7/21/94	72	8.0	4890	8.8	96
7/27/94	74	7.8	4950	7.7	96
8/3/94	68	7.8	5290	8.7	106
8/10/94	71	7.9	5300	9.0	120
8/16/94	72	7.6	4770	8.6	90
8/24/94	70	7.1	4540	7.8	88
8/31/94	74	7.7	5280	7.3	129
9/7/94	69	8.1	4770	6.7	110
9/14/94	68	8.0	5080	8.7	121
9/22/94	71	7.6	5470	8.5	140
9/29/94	68	7.7	5750	9.6	156
10/7/94	62	7.6	4860	7.9	23
10/12/94	55	7.9	5130	8.3	24
10/20/94	60	8.0	5530	8.5	144
10/27/94	59	8.0	5130	7.8	117
11/8/94	48	7.8	5060	7.8	98
11/10/94	57	8.3	4990	8.0	129
11/18/94	48	8.0	4690	7.7	85
11/22/94			4460	7.0	72
12/1/94	52		4500	7.6	83
12/9/94	42		4400	7.5	60
12/15/94	47		4310	6.3	71
12/21/94	50		4440	7.8	84
12/29/94	50	8.2	4380	6.9	97
1/30/95				5.8	75
2/3/95	65	8.1	3750	5.3	71
2/17/95	55	7.8	4920	8.1	92
3/3/95	62	7.7	5220	8.1	100
3/15/95				4.5	53
3/23/95	54	7.4	4580	7.7	120
3/29/95	65	7.6	4460	7.5	89
4/6/95	61	8.2	4560	7.0	94
4/13/95	60	7.8	5320	8.3	105
4/21/95	55	8.1	4810	7.6	106
4/28/95	66	7.9	5160	8.9	95
5/3/95	61	7.9	4430	7.9	100
5/12/95	58	8.1	4750	7.7	82
5/26/95	64	7.9	4900	7.7	94

Table-B2 Panoche Drain at O'Banion Gauge Station (MER501) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
6/2/95	66	6.9	4920	7.2	104
6/9/95	64	7.8	4590	7.1	79
6/23/95	70	7.8	4420	7.3	73
6/28/95	72	7.7	4840	7.7	82
7/6/95	70	7.8	5680	8.0	89
7/13/95	68	7.7	4780	8.0	76
7/20/95	75	7.9	4890	8.2	90
7/27/95	72	8.0	4830	7.1	80
8/3/95	78	7.8	4300	6.7	67
8/10/95	72	7.7	3880	5.6	74
8/17/95	68	7.8	4340	6.8	74
8/24/95	77	6.7	4110	5.9	70
8/31/95	72	7.8	4110	5.8	67
9/7/95	72	8.0	4420	6.8	85
9/15/95	70	7.8	4150	6.5	79
9/22/95	67	7.0	5310	8.1	124
9/28/95	73	8.0	4550	7.3	106
Count	265	271	296	301	301
Min	40	6.4	2600	3.9	14
Max	86	8.9	5990	10	156
Mean	66	7.8	4563	7.5	75
Geo Mean	65	7.8	4516	7.4	69
Median	66	7.8	4673	7.6	73

Table-B3 Agatha Inlet (Mercy Springs) Drain (MER552)
Location: Latitude 36° 56' 01" Longitude 120° 42' 05". In SE 1/4, SE 1/4, NW 1/4, Sec.31. T.11S, R12E. Located __ mi. southwest of Dos Palos off Russell Road.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
4/3/86					22
4/19/86		8.0	4500	11	16
4/27/86		7.8	4700	9.9	6
5/13/86		8.3	3700	6.1	52
6/4/86		8.0	2800	6.8	12
6/17/86			3300	7.4	16
6/26/86		7.8	5000	11	28
8/5/86		8.3	2700	6.2	3.4
9/2/86			1140	1.8	1.7
9/28/86		8.4	2900	7.2	2.9
11/3/86				4.0	23
12/4/86		8.0		8.4	7.0
1/30/87		8.0	3800	12	4.0
2/27/87		7.8	5430	12	5.4
4/1/87		8.2	8070	19	14
5/1/87		8.7	3050	6.7	6.1
6/1/87		8.2	2700	5.1	6.2
7/1/87			2500	5.1	4.1
7/31/87		7.7	3200	7.3	6.5
9/1/87			2180	3.7	3.8
10/1/87	70	8.2	4760	5.0	14
11/3/87	60	8.7	7800	20	13
3/9/88	60		5750	14	5.0
3/30/88	62	8.2	2150	4.9	7.0
5/5/88	61	8.2	4150	7.9	8.0
6/1/88	80	8.1	3800	8.6	9.0
6/29/88		7.9	4100	9.1	8.0
8/1/88	86	8.1	5200	12	10
9/1/88	80		3810	7.9	7.0
10/4/88	73		3990	7.2	6.3
12/8/88	50		3810	8.9	7.3
2/7/89	40	8.3	10650	30	26
3/1/89	56	8.5	4430	9.6	8.5
3/29/89	77	7.8	10090	27	17
5/1/89	79	7.8	2560	4.4	7.1
5/30/89	82	8.0	3500	7.3	6.3
7/5/89	82	7.8	3350	6.9	5.0
8/1/89	66	7.8	3490	7.8	6.2
9/1/89	69	8.0	2040	3.2	2.3
10/6/89	74	7.8	8200	20	5.1
10/30/89		8.4	8550	22	4.6
11/30/89	40	8.3	6730	16	8.8
3/30/90	55	8.6	5110	12	10
4/27/90	67	8.1	4130	7.1	7.9
5/31/90	69	8.0	4710	7.9	54
6/28/90	70	8.9		8.4	6.5
7/27/90	82	8.0	3410	5.7	35
8/30/90	79	8.1	3350	6.5	5.1
10/26/90	53	7.6	6600	13	2.3
4/25/91	71	8.1	4750	8.2	
5/9/91	64	7.9	6080	12	5.1
5/11/91	62	7.7	5860	11	7.0
5/14/91	54	7.8	5810	10	8.2
5/16/91	66	8.1	4300	7.0	8.0
5/19/91	54	8.1	3840	6.4	9.6

Table-B3 Agatha Inlet (Mercy Springs) Drain (MER552) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/21/91	62	7.7	3510	5.8	7.4
5/23/91	88	8.3	3970	6.7	8.1
5/25/91	68	7.5	4500	7.8	7.3
5/28/91	64	7.6	5130	7.3	7.7
5/30/91	71	9.0	5080	9.7	8.6
6/1/91	80	7.7	5580	7.6	8.4
6/3/91	82	8.0	5940	12	9.7
6/5/91	64	7.4	5340	11	7.5
6/7/91	66	7.7	4480	7.2	6.6
6/10/91	72	7.4	4360	7.1	5.2
6/12/91	86	7.6	3770	6.4	5.0
6/14/91	80	7.8	4270	7.6	6.0
6/17/91	80	7.7	4440	7.1	6.1
6/19/91	80	7.8	4110	6.9	4.9
6/21/91	62	7.6	3770	6.0	4.3
6/24/91	62	7.4	3940	7.0	4.3
6/26/91	78	8.0	3650	5.9	3.8
6/28/91	64	7.8		6.5	4.7
7/1/91	86	8.3	3100	5.5	4.4
7/3/91	76	7.4	2980	5.2	4.1
7/5/91	92	8.1	3360	5.7	4.7
7/8/91	84	7.8	4330	9.1	6.3
7/10/91	80	7.8	4160	8.0	5.6
7/12/91	72	7.2	3960	6.8	4.8
7/15/91	70	7.6	4050	8.9	5.5
7/17/91	80	7.8	3770	7.6	4.7
7/19/91	78	7.8	3370	6.2	3.7
7/22/91	84	7.7	3030	5.3	4.4
7/24/91	72		3010	5.4	4.1
7/26/91	86		3020	5.3	3.6
7/29/91	74		3170	5.6	4.0
7/31/91	75		3100	5.4	4.0
8/2/91	68	8.2	2750	5.8	4.1
8/5/91	80	8.5	3120	5.5	4.2
8/7/91	80	7.9	2870	5.1	4.6
8/9/91	74	8.8	2730	5.2	5.2
8/12/91	76	7.5	2670	4.4	3.0
8/14/91	82	7.6	2610	2.3	3.9
8/16/91	70		2460	3.8	4.5
8/19/91	69	8.5	2190	3.1	2.6
8/21/91	78		2460		2.4
8/23/91	68		2970	4.6	3.7
8/26/91	66	7.5	4660	7.4	
8/28/91	76	8.1	3000	4.8	3.3
8/30/91	74	7.9	1920	2.7	2.6
9/7/91	84	8.1	2060	3.0	2.0
9/10/91	80	8.5	3970	7.3	3.8
9/14/91	72	7.7	2670	3.8	3.2
9/17/91	84	8.1	1670	1.8	1.9
9/21/91	88	8.3	5870	14	6.9
9/23/91	92	8.8	5490	12	6.3
9/27/91	86	8.3	7070	17	6.5
10/4/91	96	8.3	6180	14	4.4
10/7/91	68	7.9	2840	4.0	20
10/18/91	66	7.8	6770	13	2.3
10/25/91		7.1	6380	14	2.7
12/26/91	46	8.3	4680	7.4	2.4
1/31/92		8.4	3610	3.5	19

Table-B3 Agatha Inlet (Mercy Springs) Drain (MER552) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
2/28/92	60	8.0	4920	8.6	79
4/30/92	74	8.1	3170	6.1	37
5/29/92	77	7.8	4470	8.7	7.8
6/26/92	76	7.8	3790	6.6	6.5
7/30/92	79	8.1	3900	7.3	6.3
8/28/92	80	8.4	4250	6.7	74
9/25/92	63	7.8	5730	9.2	83
11/2/92		7.7	4760	8.8	53
11/30/92	49	8.1	4800	7.9	29
Count	97	105	117	120	120
Min	40	7.1	1140	1.8	1.7
Max	96	9.0	10650	30	83
Mean	72	8.0	4207	8.3	11
Geo Mean	71	8.0	3929	7.3	7.0
Median	74	8.0	3940	7.2	6.3

Table-B4 Agatha Canal at Mallard Road (MER506)

Location: Latitude: 36°56'12", Longitude 120°42'07". In NE 1/4, NW 1/4, SW 1/4, Sec. 7, T.11S., R.11E. South of Fe Grade at Brito, west of Mallard Road. 4.5 miles west of Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		8.1	3700	6.3	36
6/3/85			2200	4.6	4
7/2/85		7.7	3200	5.8	29
8/15/85			2500	2.7	23
8/28/85		7.8	2700	5.3	28
9/28/85			660	0.45	1
10/31/85		8.5	1120	1.6	2
12/7/85		8.3	4200	6.8	74
1/14/86		8.0	5200	9.5	44
3/2/86		8.0	1200	1.4	15
4/2/86					64
4/27/86		7.9	3400	6.4	58
6/4/86		7.8	3200	6.2	45
6/26/86		8.0	3500	5.1	41
8/5/86		8.7	3400	6.6	57
9/2/86			2500	4.3	32
9/28/86		8.2	360	0.34	0.9
11/3/86				4.0	21
1/3/87		8.3	3700	6.1	80
2/27/87		8.1	4010	8.5	57
4/1/87		8.0	4800	11	72
5/1/87		8.4	3070	5.3	37
6/1/87		7.7	3210	5.6	38
7/1/87			3400	6.0	41
7/31/87		7.8	2900	5.3	36
9/1/87			3000	5.0	34
10/1/87	71	8.0	786	0.40	2.2
11/3/87	63	7.8	3650	5.6	41
1/27/88	54	8.5	8100	20	16
3/9/88	61		5250	13	6.3
3/30/88	59	8.0	3450	5.5	67
5/5/88	60	8.1	4250	6.7	66
6/1/88	74	7.9	2800	3.8	40
6/29/88	71	8.0	3300	5.3	37
8/1/88	80	8.0	2950	3.7	45
9/1/88	82		3730	6.9	21
10/4/88	72		860	0.34	2.9
11/1/88	68	8.1	880	0.36	2.9
3/1/89	60	7.8	6060	8.5	8.8
7/5/89	76	7.8	2940	4.8	35
9/1/89	72	8.5	490	0.21	2.0
10/6/89	68	5.8	430	0.07	1.7
10/30/89	63	8.5	840	0.82	1.8
11/30/89	46	7.8	4040	5.6	56
4/27/90	63	7.9	4470	6.6	60
5/31/90	66	7.9	3300	5.0	23
6/28/90	67	8.8	4690	8.0	23
7/27/90	81	7.9	3470	6.6	26
8/30/90	78	8.3	4150	7.2	61
9/28/90	68	7.7	5280	9.6	114
10/26/90	63	8.2	630	0.18	1.6
11/27/90	50	7.9	4050	6.2	73
1/25/91	50	7.6	4430	7.8	61
2/22/91	54	8.6	4390	6.8	64
4/25/91	68	7.9	4510	7.8	39

Table-B4 Agatha Canal at Mallard Road (MER506) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/9/91	54	7.6	4250	6.2	60
5/11/91	58	7.6	4900	8.5	57
5/14/91	54	7.8	4590	7.1	59
5/16/91	62	7.8	4390	7.1	52
5/19/91	54	7.9	4490	7.0	57
5/21/91	66	7.8	4280	6.5	57
5/23/91	80	8.3	4490	7.4	77
5/25/91	64	7.7	4810	7.7	81
5/28/91	60	7.7	4700	8.0	74
5/30/91	70	8.5	4450	5.8	75
6/1/91	76	7.7	4100	3.3	55
6/3/91	76	7.9	4470	4.9	68
6/5/91	66	7.5	4250	6.7	53
6/7/91	62	7.7	4340	7.1	57
6/10/91	70	7.5	4550	7.0	50
6/12/91	80	7.9	4220	7.4	44
6/14/91	74	7.9	4490	7.2	61
6/17/91	74	7.9	4210	7.2	45
6/19/91	76	7.7	4530	6.8	53
6/21/91	60	7.6	4510	7.0	38
6/24/91	60	7.5	4570	8.0	43
6/26/91	76	8.1	4590	7.3	55
6/28/91	64	7.8	4160	6.1	59
7/1/91	82	8.5	4640	8.1	58
7/3/91	72	7.6	4690	7.9	61
7/5/91	82	8.2	4370	7.3	40
7/8/91	78	8.0	3800	6.5	34
7/10/91	74	7.9	4260	6.6	53
7/12/91	70	7.5	4550	7.8	59
7/15/91	68	7.5	4450	7.6	66
7/17/91	78	8.1	4130	7.0	47
7/19/91	76	7.8	4170	6.9	54
7/22/91	80	7.7	4200	6.7	56
7/24/91	68		4380	6.6	68
7/26/91	80		3960	6.3	45
7/29/91	72		3630	6.0	27
7/31/91	72		3540	5.9	29
8/2/91	67	8.1	2890	5.9	10
8/5/91	74	8.4	4080	6.8	59
8/7/91	78	7.8	3700	6.2	40
8/9/91	72	8.5	3400	5.6	37
8/12/91	74	7.7	3740	6.2	47
8/14/91	80	7.7	3650	5.9	52
8/19/91	69	8.1	3060	4.8	21
8/21/91	76		1380	1.7	2.5
8/23/91	68		2140	3.1	4.0
8/26/91	70	7.6	730	0.20	1.1
8/28/91	74	8.2	3270	5.5	4.7
8/30/91	75	8.4	1620	2.0	2.2
9/30/91	76	8.0	630	0.23	1.9
10/4/91	80	7.9	3890	5.7	49
10/7/91	71	7.9	670	0.21	0.9
10/11/91	69	7.3	3890	5.6	30
10/18/91	71	8.0	565	0.18	1.4
10/25/91		7.4	560	0.26	0.8
11/25/91	56	7.7	2100	4.6	31
12/26/91		8.4	4720	7.9	82
1/31/92		8.1	4410	6.9	68

Table-B4 Agatha Canal at Mallard Road (MER506) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/30/92	64	8.4	730	0.44	2.4
4/30/92	66	8.1	3440	6.6	5.0
5/29/92	71	7.8	4970	8.7	72
6/26/92	72	7.9	4490	6.8	61
7/30/92	72	7.8	4750	7.1	53
8/28/92	75	8.1	3010	4.6	16
9/25/92	70	8.5	980	0.45	
10/9/92	72	7.6	990	0.68	2.0
10/16/92	64	7.7	980	0.69	1.7
10/23/92	66	8.2	1080	0.78	3.2
10/30/92	65	8.3	4270	7.0	43
11/6/92	60	8.0	4930	9.8	41
11/13/92	52	7.8	5000	8.6	60
11/20/92	50		4430	7.6	36
11/30/92	52	8.3	1380	1.4	5.0
12/4/92	51	8.4	1300	1.2	5.8
12/14/92	49	8.4	3940	6.4	37
12/22/92	47	8.5	1310	1.5	2.4
12/30/92	50		1850	2.3	4.3
1/8/93	54	7.3	4490	8.0	87
1/15/93			2800	<1	<0.4
1/22/93	54	8.0	3760	6.1	51
1/28/93	50	8.5	5220	8.4	104
2/4/93	54	7.5	4630	8.2	68
2/10/93	55		3050	5.3	40
2/19/93	54	6.4	1360	1.6	6.1
2/25/93	55	8.1	5200	8.9	110
3/5/93	59	7.6	1580	2.1	3.6
3/12/93	63	7.5	1090	2.3	3.9
3/18/93	62	7.6	4240	6.1	60
3/26/93	59	7.8	1390	1.5	6.6
4/2/93	62	7.9	1060	1.5	7.5
4/9/93	63	8.0	5310	8.8	56
4/16/93	58	7.9	6600	15	8.3
4/23/93	60	8.2	5380	9.1	120
4/30/93	66	8.0	5710	9.5	77
5/7/93	68	8.0	4830	8.0	39
5/14/93	65	8.3	780	0.47	1.5
5/21/93	66	7.8	3790	5.4	59
5/28/93	66	7.8	4300	7.1	64
6/4/93	67	8.1	2870	4.6	9.3
6/11/93	68	7.6	2570	4.3	5.3
6/18/93	74	8.4	760	0.71	3.4
6/25/93	76	7.5	3870	5.5	55
7/2/93	78	7.3	3800	6.2	52
7/9/93	78	7.4	1190	1.4	4.4
7/16/93	65	8.6	333	0.34	2.9
7/23/93	76	7.8	3600	6.0	50
7/30/93	68	7.6	3770	5.9	51
8/6/93	78	7.5	3280	5.8	40
8/13/93	70	8.0	1050	1.4	5.1
8/20/93	69	7.6	1340	2.4	5.4
8/26/93	76	8.0	378		2.0
9/3/93	77	7.3	3850	6.2	74
9/10/93	74	7.5	3410	5.5	47
9/17/93	69	8.2	422	0.25	2.2
9/23/93	72	8.0	392	0.23	1.5
10/1/93	74	7.7	520	0.40	1.8

Table-B4 Agatha Canal at Mallard Road (MER506) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
10/8/93	68	8.3	696	0.55	2.0
10/15/93	66	7.9	3850	6.2	21
10/21/93	68	8.6	450	0.31	1.7
10/28/93	61	7.8	3810	7.6	42
11/5/93	57	7.6	611	0.37	2.4
11/12/93	58	7.9	473	0.21	1.1
11/22/93	54	6.9	603	0.29	2.2
11/28/93	54	8.2	558	0.28	1.5
12/3/93	51	8.1	532	0.25	1.3
12/10/93	55	7.9	3560	5.3	52
12/17/93		7.9	776	0.51	2.5
12/28/93	46	8.1	632	0.44	1.7
1/7/94	51	8.3	4730	9.4	100
1/14/94	51	8.0	4290	6.9	75
1/21/94	52	8.1	3580	5.6	58
1/28/94	50	7.8	3950	5.3	66
2/3/94	51	8.3	4150	5.5	71
2/11/94	49	7.6	2240	3.7	2.0
2/17/94	52	8.2	1010	0.99	5.5
2/25/94	56	7.9	1110	1.4	3.7
3/4/94	58	8.3	2150	3.5	3.2
3/9/94	59	8.2	3190	9.1	4.3
3/16/94	61	7.8	1110	1.3	
3/23/94	48	8.0	3010	6.2	3.6
4/1/94	58	8.1	3860	8.3	6.1
4/6/94		7.7	4250	8.7	4.6
4/15/94	63	8.1	4120	7.0	4.5
4/21/94	69	8.1	3470	6.0	16
4/27/94	61	8.7	4620	8.1	65
5/4/94	69	8.0	5100	7.5	97
5/10/94	76	8.3	754	0.51	2.4
5/16/94	65	8.3	981	0.73	2.0
5/25/94	72	8.1	4100	6.1	68
6/1/94	71	8.0	3900	6.2	65
6/8/94	64	8.0	4290	7.2	55
6/15/94	66	7.8	4040	6.9	40
6/21/94	69	8.2	1730	2.5	5.4
6/29/94	76	7.8	3320	5.9	14
7/6/94	70	8.3	3630	7.5	20
7/13/94	79	8.0	3560	8.2	5.8
7/21/94	75	8.0	4260	7.1	66
7/27/94	75	8.0	3830	6.2	52
8/3/94	73	8.0	4120	6.6	59
8/10/94	74	7.3	3980	7.0	61
8/16/94	76	7.9	4060	7.4	54
8/24/94	74	7.4	3660	6.5	40
8/31/94	74	7.7	4400	6.1	71
9/7/94	70	8.3	4090	5.5	62
9/14/94	73	8.5	662	0.30	1.6
9/22/94	73	8.3	657	0.30	1.6
9/29/94	70	8.4	4180	6.0	87
10/7/94	64	8.8	841	0.47	2.2
10/12/94	61	8.2	957	0.64	2.2
10/20/94	64	8.1	623	0.28	2.0
10/27/94	62	8.4	899	0.54	4.4
11/22/94			738	0.36	1.5
12/29/94	49	8.6	928	0.63	2.1
1/26/95	54	7.8	2080	3.1	23

Table-B4 Agatha Canal at Mallard Road (MER506) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
2/23/95	58	7.7	4810	6.8	95
3/29/95	69	8.0	4500	7.5	86
4/13/95	62	8.0	5370		
4/28/95	67	8.3	340	0.47	1.8
5/26/95	67	8.0	4110	6.2	76
6/28/95	62	6.9	3160	4.6	41
7/27/95	76	8.4	162	0.12	1.1
8/31/95	75	7.9	3420	4.7	49
9/28/95	69	7.7	4170	6.0	92
Count	205	216	235	234	234
Min	46	5.8	162	0.07	0.8
Max	82	8.8	8100	20	116
Mean	66	8.0	3116	5.0	36
Geo Mean	65	7.9	2477	3.2	18
Median	68	8.0	3650	6.0	39

Table-B5 Helm Canal-(MER507)

Location: Latitude 36° 55' 04" Longitude 120° 41' 06". In NE 1/4, SE 1/4, NW 1/4, Sec. 31. T.11S, R12E. Located 1.5 mi. east of Frasier Gun Club, and .1 mi. west of Agatha Canal.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		8.0	3900	6.7	44
6/3/85			3500	6.8	35
7/2/85		7.7	3200	7.1	35
8/15/85			2600	4.3	24
8/28/85		7.8	2600	5.1	30
9/28/85			640	0.40	1
10/31/85		8.6	550	0.25	1
12/7/85		8.8	840	0.73	5
3/2/86		8.9	80	0.13	1
4/2/86					<1
4/27/86		8.5	100	0.05	<1
6/4/86		8.7	1000	1.7	16
6/26/86		8.0	3400	5.9	42
8/5/86		8.7	3600	6.7	59
9/2/86			3000	5.4	45
9/28/86		8.3	360	0.34	1.0
Count		11	15	15	16
Min		7.7	80	0.05	<1
Max		8.9	3900	7.1	59
Mean		8.4	1958	3.4	21
Geo Mean		8.4	1160	1.5	6.8
Median		8.5	2600	4.3	20

Table-B6 Hamburg Drain near Camp 13 Slough (MER504)
Location: Latitude: 36°56'20", Longitude 120°45'26". In SE 1/4, SE 1/4, SW 1/4, Sec. 27, T.11S., R.11E. 50 feet south of CCID main canal. 9.2 miles S-SE of Los Banos. 6.7 miles W-SW of South Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		7.9	4900	6.0	79
6/3/85			2800	3.0	48
7/2/85		7.7	3200	3.0	45
8/15/85			3500	4.0	51
8/28/85		8.1	3200	5.0	36
9/28/85			2300	2.0	5.0
10/31/85		8.6	2000	1.0	4.0
12/7/85		8.4	4300	5.0	84
1/4/86		8.3	3900	6.4	47
1/14/86		8.1	3400	3.0	50
2/1/86		8.3	2800	3.2	45
3/2/86		8.4	3100	3.2	51
4/3/86					65
4/19/86			4150	6.1	70
4/27/86		7.8	3500	4.8	56
5/13/86			3500	4.0	56
6/4/86		8.0	2700	3.2	46
6/17/86			3150	3.1	67
6/26/86		8.2	3100	4.2	59
8/5/86		8.8	2800	3.9	37
9/2/86			3250	4.4	42
9/28/86		8.5	3300	5.5	12
11/3/86				3.6	42
12/4/86		8.1		4.1	77
1/3/87		8.1	3700	3.9	65
2/27/87		7.8	3700	4.4	61
4/1/87		8.4	3340	3.5	58
5/1/87		8.6	2900	3.0	50
6/1/87		8.0	3180	3.6	49
7/1/87			3300	3.8	57
7/31/87		7.9	3300	3.2	54
9/1/87			3530	3.9	60
10/1/87	66	7.9	3650	4.4	56
1/27/88	58	8.1	3500	3.1	56
3/9/88	62		4400	5.1	71
3/30/88	63	8.0	4850	7.4	76
6/29/88	84	8.8	3500	3.8	29
8/1/88	97	9.6	3250	2.9	21
10/4/88	73		5370	6.3	81
11/1/88	71	8.3	5090	4.6	95
12/8/88	62		4890	4.7	84
1/11/89	52		5420	6.0	98
2/7/89	48	7.9	4150	3.6	70
3/1/89	64	7.7	5820	5.9	117
3/29/89	73	7.4	5120	5.0	96
5/1/89	74	7.7	5470	6.7	99
5/30/89	77	8.0	6280	7.9	114
7/5/89	73	7.6	4420	5.3	69
8/1/89	65	7.7	6150	8.5	105
9/1/89	65	7.8	4910	5.7	72
9/29/89	64	7.4	4190	4.5	67
10/30/89	59	8.6	3900	4.7	39
11/30/89	48	7.9	3060	2.1	26
1/19/90	46	8.3	5110	5.4	88
2/2/90	48	7.7	5880	5.7	118

Table-B6 Hamburg Drain near Camp 13 Slough (MER504) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
3/30/90	56	7.8	4740	5.0	84
4/12/90	58	7.7	5850	5.3	105
4/27/90	61	7.8	5970	6.2	96
5/31/90	89	8.1	5770	5.9	122
6/28/90	62	8.8	4090	4.0	51
7/27/90	78	7.9	4190	5.5	56
8/30/90	78	8.3	5200	6.5	90
9/28/90	66	7.7	3180	3.9	29
10/26/90	54	7.4	3190	3.4	24
11/27/90	36	7.0	3440	2.6	32
12/28/90	42	8.0	5230	5.7	90
1/25/91	54	7.4	5520	7.1	109
2/22/91	53	8.6	5650	7.4	87
3/28/91	60	7.4	4870	4.6	85
4/25/91	71	7.8	5590	6.0	104
5/9/91	54	7.4	5560	5.0	100
5/11/91	58	7.4	5480	5.2	102
5/14/91	56	7.5	4430	4.6	60
5/16/91	62	7.4	5340	5.1	86
5/19/91	54	7.4	5860	5.6	112
5/21/91	58	7.3	5390	5.0	93
5/23/91	76	8.5	5590	5.6	96
5/25/91	62	7.3	5850	6.0	112
5/28/91	58	7.4	5820	6.4	104
5/30/91	69	8.9	5590	5.9	88
6/1/91	76	7.9	5820	6.2	99
6/3/91	76	7.8	5410	5.8	70
6/5/91	62	7.8	5460	6.2	78
6/7/91	60	7.4	6150	6.8	133
6/10/91	64	7.2	6090	6.2	107
6/12/91	80	7.8	4950	6.2	69
6/14/91	74	8.0	5910	6.8	113
6/17/91	80	7.9	5500	5.4	104
6/19/91	80	8.0	5620	5.2	103
6/21/91	58	7.1	5600	5.0	106
6/24/91	60	7.7	6190	6.8	128
6/26/91	78	8.3	6000	5.5	125
6/28/91	62	7.2	5230	5.3	99
7/1/91	84	8.4	5960	5.4	111
7/3/91	66	7.9	6110	6.1	115
7/5/91	84	8.1	6120	6.1	120
7/8/91	80	7.7	6640	8.0	156
7/10/91	78	7.6	6040	6.5	131
7/12/91	66	7.6	6520	7.8	139
7/15/91	62	7.0	6110	7.2	110
7/17/91	82	8.1	5460	7.0	103
7/19/91	80	8.3	5710	6.6	114
7/22/91	84	7.6	5700	6.0	134
7/24/91	62		5500	5.6	118
7/26/91	86		4760	4.5	91
7/29/91	66		5390	5.2	106
7/31/91	66		7000	6.3	159
8/2/91	61	7.5	4590	5.8	106
8/5/91	78	8.2	6430	7.0	149
8/7/91	84	7.9	5930	6.5	132
8/9/91	70	8.1	5870	6.8	152
8/12/91	74	8.0	4800	5.5	96
8/14/91	80	7.0	5550	5.8	128

Table-B6 Hamburg Drain near Camp 13 Slough (MER504) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/16/91	65		4440	4.8	68
8/19/91	65	7.6	4940	5.6	104
8/21/91	78		5900	6.2	133
8/23/91	66		5970	6.4	126
8/26/91	62	7.2	6040	6.7	118
8/28/91	69	8.0	5060	5.1	94
8/30/91	72	7.8	5440	5.5	111
9/7/91	78	7.9	5240	5.6	99
9/10/91	76	8.3	5260	5.4	107
9/14/91	66	7.5	4300	4.5	73
9/17/91	82	6.7	5260	5.3	98
9/21/91	76	8.0	4740	5.0	88
9/23/91	84	8.1	4740	5.1	85
9/27/91	74	7.9	3940	3.7	67
9/30/91	70	7.6	4380	5.0	72
10/4/91	82	7.9	3000	3.0	34
10/7/91	66	7.3	4090	4.4	55
10/11/91	68	7.3	4590	4.7	77
10/18/91	65	7.5	3300	3.6	25
10/25/91		6.7	4440	5.6	70
11/1/91	62	8.1	4560	4.7	79
11/8/91	65	8.3	4570	4.8	77
11/15/91	50	7.7	4780	5.2	77
11/25/91	54	7.8	4520	5.0	70
12/6/91	49	8.3	5000	5.1	83
12/13/91	50	8.5	5030	6.1	74
12/20/91		8.3	5170	5.6	92
12/26/91	46	8.1	5130	5.2	89
1/10/92	54	8.0	5000	5.5	79
1/17/92	52	8.1	5170	4.6	92
1/24/92		7.4	5090	4.3	87
1/31/92		8.1	5090	4.8	92
2/28/92	58	8.1	5200	4.8	88
3/13/92	57	7.9	5270	4.7	95
3/20/92	57	8.0	4380	4.5	76
3/26/92	58	7.8	5130	5.0	95
3/30/92	66	8.1	3370	4.3	53
4/2/92	60	7.9	4130	4.0	69
4/6/92	60	7.9	4130	4.0	69
4/9/92	55	8.0	4140	4.0	75
4/16/92	62	8.0	3720	4.3	52
4/23/92	55	8.2	5220	5.2	100
4/30/92	70	8.2	5470	6.4	156
5/7/92	80	8.1	4990	4.5	80
5/15/92	82	8.2	5210	4.9	90
5/21/92	80	8.2	5950	5.7	116
5/28/92	79	8.3	5900	6.9	
5/29/92	68	7.8	5890	6.6	145
6/5/92	83	8.1	5650	6.1	108
6/12/92	80	8.2	5760	6.1	100
6/19/92	82	8.4	5730	6.1	117
6/26/92	68	7.8	4920	5.2	76
7/3/92	74	7.8	4850	5.7	84
7/10/92	68	7.6	5880	6.5	118
7/17/92	68	7.5	6300	6.7	138
7/24/92	65	7.9	6180	7.5	118
7/30/92	69	7.9	6280	7.7	142
8/7/92	65	8.0	5640	6.4	112

Table-B6 Hamburg Drain near Camp 13 Slough (MER504) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/14/92	68	7.7	6590	7.8	142
8/23/92	83	7.9	5370	6.1	116
8/27/92	79	7.9	5080	5.8	102
9/4/92	65	7.7	4500	4.9	68
9/11/92	67	8.1	4430	4.5	83
9/18/92	62	7.6	5080	6.1	86
9/25/92	62	8.1	5250	6.4	76
10/2/92	58	7.6	5020	6.8	71
10/9/92	62	7.8	4370	6.3	49
10/16/92	62	7.7	3830	5.1	38
10/23/92	58	7.1	4130	5.0	49
10/30/92	65	8.5	4620	7.0	65
11/6/92	58	7.9	4990	6.3	88
11/13/92	53	7.9	4790	5.3	83
11/20/92	50		2700	2.7	11
11/30/92	49	7.8	3000	3.4	15
12/4/92	42	7.7	3510	3.9	31
12/14/92	56	8.6	4550	5.0	73
12/22/92	48	6.5	4700	5.1	73
12/30/92	55		4820	5.6	72
1/22/93	60	7.3	4350	4.7	52
1/28/93	53	8.4	5200	7.3	62
2/4/93	50	6.9	5470	5.9	87
2/10/93	60		4450	5.0	51
2/24/93	63	8.4	5430	6.8	76
3/5/93	59	6.7	5020	5.3	83
3/12/93	59	7.1	4730	5.1	65
3/18/93	57	7.0	5100	5.4	78
4/2/93	58	7.6	5800	6.8	90
4/9/93	58	8.1	6020	6.8	89
4/16/93	50	6.3	6310	7.7	150
4/23/93	56	8.3	3740	4.5	24
4/30/93	61	7.7	4140	5.8	66
5/7/93	62	8.0	5560	6.4	84
5/14/93	60	7.6	5790	6.6	95
5/21/93	59	8.3	4400	4.4	69
5/28/93	58	7.3	3230	3.6	21
6/4/93	65	7.2	5960	6.7	101
6/11/93	68	6.4	366		75
6/18/93	66	7.7	4520	4.9	75
6/25/93	66	6.6	4160	4.8	46
7/2/93	68	5.3	6680	7.3	143
7/9/93	70	7.2	6520	7.5	136
7/16/93	61	7.7	6600	7.0	140
7/23/93	72	6.5	7480	7.8	200
7/30/93	67	6.7	7290	9.2	189
8/6/93	68	5.5	6590	6.8	140
8/13/93	65	7.0	6180	7.3	122
8/20/93	62	5.4	4850	6.8	73
8/26/93	68	6.8	5990	7.9	115
9/3/93	74	6.2	6390	8.3	136
9/10/93	72	6.1	6760	8.5	154
9/17/93	68	6.5	6480	7.7	141
9/23/93	66	7.2	6350	8.7	138
10/1/93	71	6.5	5620	7.0	92
10/8/93	63	7.8	4570	6.4	43
10/15/93	66	8.0	4730	6.4	48
10/21/93	70	7.7	5000	5.7	82

Table-B6 Hamburg Drain near Camp 13 Slough (MER504) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
10/28/93	62	7.4	5230	8.8	39
11/5/93	55	6.5	5270	7.9	49
11/12/93	54	7.2	5450	7.2	77
11/22/93	58	7.0	5780	9.0	68
11/28/93	57	7.9	5080	5.3	80
12/3/93	50	6.6	4980	5.8	78
12/10/93	56	8.1	4200	5.6	42
12/17/93	67	6.7	5090	5.6	79
12/28/93	49	7.6	4820	4.9	93
1/7/94	42	7.0	4030	4.6	42
1/14/94	44	8.2	4160	5.0	47
1/21/94	47	8.1	3940	4.3	40
1/28/94	44	7.9	3550	4.0	30
2/3/94	60	9.6	3480	3.6	28
2/11/94	43	8.0	3620	3.6	31
2/25/94	55	7.7	5470	5.6	99
3/4/94	58	7.2	6110	5.6	109
3/9/94	61	7.9	5440	5.8	86
3/16/94	59	7.1	5540	6.1	99
3/23/94	54	8.0	5940	6.2	108
4/1/94	56	7.8	5130	5.6	102
4/6/94		7.8	5320	5.8	90
4/15/94	61	8.0	5510	6.6	100
4/21/94	61	7.9	5640	6.5	104
4/27/94	57	8.0	5780	6.7	105
5/4/94	61	6.9	5770	5.9	106
5/10/94	72	7.8	5520	6.0	98
5/16/94	60	6.7	5790	6.0	102
5/25/94	63	8.3	6540	7.8	181
6/1/94	69	6.6	7100	7.9	201
6/8/94	61	7.3	5920	7.2	99
6/15/94	60	7.2	5890	6.6	106
6/21/94	62	8.1	5720	5.4	124
6/29/94	68	7.7	5770	5.9	123
7/6/94	72	7.8	5540	6.3	123
7/13/94	68	8.0	5010	6.1	88
7/21/94	73	8.0	5610	6.7	102
7/27/94	70	7.8	5660	6.8	104
8/3/94	66	7.1	5820	6.8	107
8/10/94	69	5.6	4350	5.5	64
8/16/94	67	7.3	4980	5.3	87
8/24/94	68	5.9	5430	7.3	93
8/31/94	71	8.4	3470	3.7	39
9/7/94	61	8.5	2960	3.1	17
9/14/94	66	7.9	5150	6.4	88
9/22/94	65	7.0	5080	5.7	69
9/29/94	62	7.6	3400	4.3	28
10/7/94	59	8.1	4020	5.1	34
10/12/94	55	7.8	4110	5.6	41
10/20/94	59	6.7	4850	5.3	68
10/27/94	58	7.9	4990	5.4	72
11/8/94	48	7.5	4220	4.6	48
11/10/94	57	8.0	4830	5.3	70
11/18/94	46	7.8	4990	4.3	75
11/22/94	42		4920	5.3	70
12/1/94	56		4360	5.0	50
12/9/94	41		4790	5.4	60
12/15/94	48		4740	5.3	61

Table-B6 Hamburg Drain near Camp 13 Slough (MER504) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
12/21/94	47		5000	4.8	86
1/26/95	51	8.6	1230	3.4	5.2
2/3/95	56	8.3	5370	9.4	31
2/9/95	68	8.2	6190	7.4	104
2/17/95	54	6.7	5730	8.0	77
2/23/95	58	7.5	5000	5.3	72
3/3/95	59	7.7	4210	3.9	71
3/16/95	58			5.0	95
3/23/95	67	7.3	3730	4.0	92
3/29/95	57	7.1	5550	6.6	92
4/6/95	66	8.4	5680	6.0	105
4/13/95	60	7.8	5570	6.5	93
4/21/95	54	8.3	5570	6.6	92
4/28/95	62	7.9	4920	5.9	76
5/3/95	62	7.8	4530	6.5	64
5/12/95	57	8.1	5450	6.0	96
5/17/95	78	8.6	5120	7.1	71
5/26/95	57	8.4	4360	5.4	38
6/2/95	63	7.4	4150	6.1	71
6/9/95	62	7.7	5150	5.6	74
6/23/95	68	7.8	5160	6.7	70
6/28/95	68	7.5	4670	5.4	64
7/6/95	68	8.0	5440	5.3	70
7/13/95	72	7.9	4620	5.2	71
7/20/95	68	7.9	4210	4.8	61
7/27/95	80	7.6	4210	5.2	65
8/3/95	75	7.8	3290	3.2	50
8/10/95	68	7.6	5200	5.3	83
8/17/95	65	7.5	4160	4.8	55
8/24/95	70	6.5	2890	2.6	37
8/31/95	76	7.7	6090	5.9	124
9/7/95	70	7.9	5180	6.7	60
9/15/95	67	7.4	5800	8.3	67
9/22/95	72	6.7	744	0.76	3.8
9/28/95	67	8.1	752	0.64	3.9
Count	285	291	318	321	321
Min	36	5.3	366	0.19	3.8
Max	97	9.6	7480	9.4	201
Mean	64	7.7	4884	5.5	82
Geo Mean	63	7.7	4708	5.2	72
Median	63	7.8	5080	5.5	83

Table-B7 Camp 13 Slough at Gauge Station (MER505)

Location: Latitude 36°56'21", Longitude 120°45'22". In SE 1/4, SE 1/4, SW 1/4, Sec. 27, T.11S., R.11E. 150 feet north of CCID Main Canal, 6.4 miles west of Russel Avenue. 9.2 miles SE of Los Banos. 6.7 mi. SW of South Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		8.1	4000	5.2	53
6/3/85			1900	2.2	28
7/2/85		7.7	2800	3.4	48
8/15/85			2900	4.4	35
8/28/85		8.0	2300	3.3	29
9/28/85			1560	2.0	17
10/31/85		8.2	3300	4.8	59
12/7/85		8.2	3000	4.4	19
1/4/86		8.2	3050	4.4	43
1/14/86		8.0	3200	4.8	54
2/1/86		8.2	2600	3.1	44
3/2/86		8.2	4300	6.9	74
4/2/86					59
4/27/86		7.6	3400	4.7	61
6/4/86		7.6	2300	2.7	37
6/26/86		8.4	2900	3.1	41
8/5/86		8.8	2400	3.2	30
9/2/86			2600	3.3	36
9/28/86		7.9	1100	1.7	13
11/3/86				3.3	43
12/4/86		8.0		3.4	44
1/3/87		8.4	2500	2.3	43
2/27/87		8.1	3200	4.8	62
4/1/87		8.0	3940	7.4	64
5/1/87		8.5	2410	2.9	39
6/1/87		7.7	2690	3.8	40
7/1/87			3300	3.8	53
7/31/87		8.0	2600	3.7	37
9/1/87			2610	3.7	38
10/1/87	72	7.8	3280	5.3	46
11/3/87	61	8.0	4900	8.0	4.5
12/1/87	54	8.0	1200	0.70	9.1
1/27/88	56	7.7	4250	5.6	79
3/9/88	62		4550	7.1	92
3/30/88	61	8.0	4900	6.7	74
5/5/88	63	7.9	6700	8.6	107
6/29/88	78	8.4	4900	8.3	7.9
8/1/88	83	8.1	2150	2.5	3.1
9/1/88	82		3190	4.3	40
10/4/88	73		3740	5.2	65
11/1/88	69	8.0	3500	4.2	59
12/8/88	56		4250	6.3	72
1/11/89	50		3690	5.3	59
2/7/89	46	7.9	3750	4.7	59
3/1/89	57	7.8	4290	5.4	80
3/29/89	69	7.3	5020	7.3	123
5/1/89	71	7.8	4040	5.5	85
5/30/89	75	8.0	3830	0.41	57
7/5/89	73	7.7	4210	5.4	56
8/1/89	68	7.7	2870	4.3	33
9/1/89	68	7.8	3100	4.6	39
9/29/89	60	7.4	3500	4.8	52
10/30/89	59	8.6	1980	2.5	19
11/30/89	49	8.3	740	0.22	1.8

Table-B7 Camp 13 Slough at Gauge Station (MER505) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
12/29/89	46	7.6	4390	5.8	84
1/19/90	44	8.2	3410	4.1	67
2/2/90	45	8.1	3460	3.9	65
3/30/90	57	8.1	3200	4.9	39
4/12/90	60	7.9	3610	5.1	47
4/27/90	64	8.0	3160	3.2	46
5/31/90	66	7.9	4640	5.6	57
6/28/90	69	8.8	3870	4.9	52
7/27/90	80	7.9	3270	5.1	51
8/30/90	78	8.3	5190	6.6	89
9/28/90	66	7.7	5160	8.9	96
10/26/90	57	7.6	4530	8.3	70
11/27/90	40	7.8	5750	8.8	120
12/28/90	38	8.1	5500	5.4	106
1/25/91	48	7.7	3860	5.5	66
2/22/91	53	8.8	3560	4.0	55
3/28/91	57	7.6	3980	4.3	69
4/25/91	69	7.8	3940	5.2	67
5/9/91	54	7.6	4090	4.5	60
5/14/91	54	7.6	3810	4.7	47
5/16/91	64	7.8	5220	8.6	106
5/19/91	56	7.8	5130	6.4	87
5/21/91	60	7.8	4780	5.2	68
5/23/91	76	8.5	4960	7.2	67
5/25/91	64	7.6	5140	6.6	79
5/28/91	62	7.6	5240	7.4	86
5/30/91	68	9.0	4390	5.1	59
6/1/91	72	7.9	4220	2.7	46
6/3/91	76	8.0	4050	3.1	44
6/5/91	70	7.9	3770	5.4	47
6/7/91	66	7.6	3930	5.1	49
6/10/91	72	7.5	4300	5.7	52
6/12/91	80	7.8	4000	6.0	39
6/14/91	74	8.0	4440	6.2	60
6/17/91	78	7.9	4140	5.3	56
6/19/91	76	7.9	4470	5.1	50
6/21/91	64	7.4	4500	5.4	55
6/24/91	66	7.8	4610	6.7	63
6/26/91	74	8.3	4130	5.5	44
6/28/91	66	7.6	3740	4.8	42
7/1/91	84	8.5	4390	6.0	49
7/3/91	76	7.9	4610	7.0	56
7/5/91	86	8.3	4200	6.1	55
7/8/91	80	8.1	3880	5.9	42
7/10/91	78	8.0	3680	5.1	45
7/12/91	72	7.7	3890	6.1	50
7/15/91	72	7.4	3750	5.4	45
7/17/91	78	8.4	3770	5.7	42
7/19/91	76	8.4	4040	6.4	49
7/22/91	80	7.8	3860	5.2	60
7/24/91	72		4070	5.7	64
7/26/91	82		3870	6.2	34
7/29/91	74		3240	4.6	34
7/31/91	76		3240	4.4	33
8/2/91	69	8.0	3050	5.1	40
8/5/91	74	8.5	3430	4.6	50
8/7/91	76	7.9	3440	4.5	50
8/9/91	72	8.4	3470	5.5	43

Table-B7 Camp 13 Slough at Gauge Station (MER505) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/12/91	76	7.8	3510	5.1	38
8/14/91	80	7.3	3720	5.4	43
8/16/91	66		3360	5.4	31
8/19/91	65	7.7	3640	5.0	39
8/21/91	78		3570	5.4	33
8/23/91	68		3750	5.6	38
8/26/91	64	7.4	3380	5.4	27
8/28/91	69	8.1	3890	6.1	41
8/30/91	74	7.9	3710	5.3	45
9/7/91	78	8.1	3870	5.8	51
9/10/91	74	8.4	4200	6.9	63
9/14/91	68	7.6	3300	4.9	32
9/17/91	82	7.0	3940	5.3	34
9/21/91	78	8.1	4320	6.8	68
9/23/91	86	8.3	4250	6.7	57
9/27/91	74	8.0	4690	7.0	64
9/30/91	70	7.4	5110	8.9	68
10/4/91	80	8.5	720	0.27	1.4
10/7/91	74	7.8	710	0.25	1.8
10/11/91	68	7.5	790	0.33	2.8
10/18/91	70	7.8	1190	0.97	6.3
10/25/91		7.2	910	0.85	4.9
11/25/91	55	8.0	990	0.49	5.5
12/26/91	47	8.3	4870	7.5	74
1/31/92		8.2	4030	5.9	63
2/28/92	60	8.1	4560	5.9	70
3/30/92	62	8.0	4450	6.7	67
4/30/92	70	8.3	5170	6.5	122
5/29/92	72	7.7	4960	6.6	76
6/26/92	70	8.0	4020	4.6	54
7/3/92	74	7.9	4900	6.1	81
7/10/92	75	7.7	3910	6.2	53
7/17/92	76	7.6	3840	5.3	62
7/24/92	69	8.0	4490	6.1	68
7/30/92	73	8.0	3850	4.7	55
8/7/92	71	8.1	3250	3.5	48
8/14/92	72	7.8	4540	6.0	69
8/23/92	83	8.0	4220	5.4	71
8/28/92	79	8.2	4450	5.9	74
9/4/92	65	7.8	4430	4.8	65
9/11/92	70	8.1	4410	5.0	81
9/18/92	62	7.8	4930	5.5	78
9/25/92	68	8.2	3740	5.7	35
10/2/92	68	7.8	998	0.68	3.0
10/9/92	70	7.7	910	0.51	2.3
10/16/92	66	8.8	900	0.46	1.6
10/23/92	65	8.0	3320	5.1	22
10/30/92	64	8.4	3700	6.0	46
11/6/92	58	8.0	3700	5.5	46
11/13/92	52	8.0	4240	6.2	57
11/20/92	51		3510	5.2	32
11/30/92	52	8.5	1270	1.1	5.3
12/4/92	46	8.2	4350	6.5	70
12/14/92	56	8.6	4110	6.8	62
12/22/92	46	6.9	5540	9.3	116
12/30/92	50		4770	8.0	100
1/28/93	54	8.5	5200	8.2	64
2/4/93	50	7.2	4900	6.9	56

Table-B7 Camp 13 Slough at Gauge Station (MER505) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
2/24/93	60	8.3	5470	7.3	74
3/5/93	58	6.9	5240	7.6	102
3/12/93	60	7.0	4730	7.0	77
3/18/93	62	7.7	4630	5.9	91
4/2/93	61	7.9	5220	7.5	93
4/9/93	62	7.9	6510	8.7	144
4/16/93	58	6.1	6010	7.6	112
4/23/93	63	8.1	4730	6.1	108
4/30/93	69	8.1	4880	6.6	90
5/7/93	64	7.8	4590	6.6	89
5/14/93	64	7.9	4300	6.5	69
5/21/93	66	8.5	713	0.38	2.5
5/28/93	66	7.7	3010	4.1	24
6/4/93	67	7.4	4110	6.7	58
6/11/93	67	6.1	4280	7.4	59
6/18/93	73	7.7	4080	6.2	64
6/25/93	71	7.4	628	0.34	1.7
7/2/93	77	6.3	4160	6.8	50
7/9/93	75	7.5	3880	5.8	56
7/16/93	68	7.7	3890	5.4	57
7/23/93	76	7.5	830	0.64	11
7/30/93	70	7.0	4020	6.7	66
8/6/93	74	6.3	3340	5.1	44
8/13/93	70	7.4	3600	6.3	42
8/20/93	67	6.3	3260	5.5	47
8/26/93	74	7.2	3360	5.8	47
9/3/93	78	7.3	497	0.36	2.4
9/10/93	76	7.4	489	0.38	2.8
9/17/93	63	7.1	3820	6.6	54
9/23/93	64	7.6	3480	6.1	46
10/1/93	73	7.4	390	0.29	1.2
10/8/93	68	8.5	650	0.38	1.8
10/15/93	68	8.3	550	0.33	1.9
10/21/93	68	7.5	5040	9.0	68
10/28/93	64	8.4	520	0.31	1.1
11/5/93	54	6.5	4580	7.4	60
11/12/93	54	7.6	3860	5.9	51
11/22/93	55	7.5	3930	5.7	63
11/28/93	54	7.9	3580	5.4	54
12/3/93	47	7.1	3220	4.7	37
12/10/93	53	8.1	532	0.36	2.2
12/17/93		7.2	4320	6.4	63
12/28/93	49	7.9	4840	8.2	80
1/7/94	44	8.0	704	0.46	2.3
1/14/94	42	8.5	930	1.1	2.9
1/21/94	47	8.4	1430	2.2	7.8
1/28/94	47	7.8	3270	4.4	17
2/3/94	50	8.5	3240	4.3	20
2/11/94	50	8.4	613	0.35	3.1
2/25/94	54	7.9	4640	6.9	83
3/4/94	59	7.8	4870	9.1	94
3/9/94	59	8.1	4710	10	95
3/16/94	59	7.6	4920	7.3	91
3/23/94	52	8.1	4930	7.3	96
4/1/94	58	8.0	4310	6.3	83
4/6/94		7.8	4810	7.1	85
4/15/94	62	8.0	4680	7.2	87
4/21/94	63	8.2	3960	5.7	61

Table-B7 Camp 13 Slough at Gauge Station (MER505) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
4/27/94	59	8.3	4560	6.6	94
5/4/94	62	7.5	4730	5.8	84
5/10/94	75	8.1	4490	6.5	84
5/16/94	60	7.5	4820	7.2	90
5/25/94	62	8.4	2150	3.3	26
6/1/94	69	7.2	2590	2.4	51
6/8/94	63	7.7	3980	5.8	48
6/15/94	64	7.6	4040	5.7	58
6/21/94	70	8.2	4200	6.0	64
6/29/94	68	7.9	4150	6.1	74
7/6/94	70	8.1	3870	5.9	64
7/13/94	74	7.9	4140	6.9	66
7/21/94	74	8.0	3870	4.1	48
7/27/94	76	8.3	4210	6.0	64
8/3/94	70	7.9	4290	6.2	51
8/10/94	70	6.4	3610	5.0	43
8/16/94	72	7.9	3140	4.8	30
8/24/94	71	6.3	3400	5.3	43
8/31/94	76	8.4	628	0.22	1.2
9/7/94	72	8.7	664	0.24	1.0
9/14/94	69	8.1	4730	8.4	100
9/22/94	69	7.5	4590	6.7	84
9/29/94	71	8.6	755	0.26	1.0
10/7/94	68	8.7	667	0.20	0.9
10/12/94	61	8.1	691	0.24	1.5
10/20/94	60	7.3	4490	6.9	94
10/27/94	59	7.9	4090	6.2	71
11/22/94	43		4120	5.8	65
12/29/94	49	8.2	4620	7.8	96
1/26/95	52	8.1	2190	2.6	32
2/23/95	58	8.0	630	0.49	3.3
3/29/95	57	7.2	6110	8.0	118
4/13/95	61	7.9	5510		
4/28/95	64	8.0	5200	6.7	105
5/26/95	64	8.9	266	0.27	2.1
6/28/95	74	8.1	1900	2.3	20
7/27/95	82	7.9	3370	5.7	56
8/31/95	77	8.3	680	0.41	4.8
9/28/95	69	8.3	311	0.18	1.9
Count	234	244	264	265	266
Min	38	6.1	266	0.18	0.9
Max	86	9.0	6700	10	144
Mean	66	7.9	3553	5.0	52
Geo Mean	65	7.9	3072	3.8	36
Median	68	7.9	3870	5.4	53

Table-B8 Charleston Drain at CCID Main Canal (MER502)
Location: Latitude 36°56'59" Longitude 121°46'48". In NE 1/4, SE 1/4, NE 1/4, Sec. 29, T.11S., R.11E. North side of Main Canal, 8.7 miles S-SE of Los Banos. 7.9 miles W-SW of South Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		7.7	3900	2.7	60
6/3/85			5500	5.5	104
7/2/85		7.5	3900	2.5	49
8/15/85			2200	0.65	15
8/28/85		8.1	4200	4.9	46
9/28/85			1620	1.5	13
10/31/85		8.0	3640	3.7	121
12/7/85		8.0	5600	6.7	104
1/4/86		7.9	5900	7.7	98
1/14/86		7.8	6000	5.1	129
2/1/86		8.4	5300	5.7	92
3/1/86		8.0	2200	1.8	36
4/3/86					125
4/19/86			4500	4.7	110
4/27/86		6.8	3000	2.9	57
5/13/86			5400	5.0	100
6/4/86		6.8	4800	5.1	76
6/17/86			2900	2.4	54
6/26/86		7.6	4500	4.5	94
8/5/86		8.6	1700	1.5	23
9/2/86			4000	4.2	61
9/28/86		7.7	4800	5.6	69
11/3/86				1.9	32
12/4/86		7.9		5.5	97
1/3/87		8.0	590	6.0	124
2/27/87		8.0	5350	5.2	114
4/1/87		7.8	4660	4.3	82
5/1/87		8.0	4610	4.1	102
6/1/87		7.4	3610	3.5	65
7/1/87			4100	7.6	75
7/31/87		7.7	2800	2.7	44
9/1/87			3320	3.0	47
10/1/87	64	7.3	2730	2.4	31
11/3/87	64	8.1	4550	4.7	63
12/1/87	58	7.3	10220	24	28
1/27/88	59	7.5	5600	4.5	85
3/9/88	62		4200	3.3	88
3/30/88	63	7.8	4400	4.1	96
5/5/88	63	7.5	5000	4.0	93
6/1/88	76	7.8	4300	3.5	86
6/29/88	70	7.8	4100	4.0	65
8/1/88	79	7.9	4450	4.6	68
9/1/88	80		5200	5.7	71
10/4/88	68		2940	2.3	32
11/1/88	69	7.8	3550	3.0	44
12/8/88	62		5330	5.2	81
1/11/89	52		5810	6.0	99
2/7/89	49	7.9	4900	3.8	53
3/1/89	60	7.7	4330	3.1	87
3/29/89	70	7.5	5130	4.0	125
5/1/89	74	7.6	5460	4.6	100
5/30/89	76	7.6	4400	3.8	9.1
7/5/89	69	7.6	3180	2.8	58
8/1/89	64	6.8	3760	2.8	66
9/1/89	63	7.0	4810	4.3	76

Table-B8 Charleston Drain at CCID Main Canal (MER502) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
9/29/89	62	7.2	1990	1.6	20
10/30/89	62	7.9	4720	4.9	70
11/30/89	48	7.8	4700	4.4	69
12/29/89	46	7.6	2880	2.5	39
1/19/90	48	7.9	4800	4.0	68
2/2/90	45	7.8	3010	2.1	41
3/30/90	56	7.8	5410	4.5	112
4/12/90	60	7.7	5210	4.9	111
4/27/90	63	7.7	5340	4.1	108
5/31/90	66	7.7	4000	3.2	72
6/28/90	63	8.5	5120	3.7	95
7/27/90	78	7.9	2680	2.4	44
8/30/90	77	8.0	3640	3.6	62
9/28/90	66	7.7	2690	3.0	34
10/26/90	61	7.1	2010	1.8	21
11/27/90	42	6.9	5130	5.1	84
12/28/90	44	7.8	5910	6.3	92
1/25/91	45	7.0	3640	3.2	58
2/22/91	51	8.7	5300	5.0	77
3/28/91	56	7.4	5130	4.1	97
4/25/91	68	7.4	4080	4.2	68
5/9/91	54	7.2	4100	3.9	45
5/11/91	60	7.2	4020	3.7	53
5/14/91	58	7.4	4540	4.1	66
5/16/91	62	7.1	5040	4.3	76
5/19/91	54	7.4	4670	4.0	71
5/21/91	58	7.1	4770	4.6	67
5/23/91	74	8.5	3410	3.7	44
5/25/91	62	7.4	3350	3.5	51
5/28/91	62	7.4	4610	4.5	75
5/30/91	69	8.7	4580	4.0	87
6/1/91	78	7.8	4860	3.7	93
6/3/91	76	7.6	4860	2.5	92
6/5/91	68	7.7	4710	4.0	77
6/7/91	62	7.1	4760	4.2	87
6/10/91	70	7.0	4800	4.0	79
6/12/91	80	8.0	4760	4.4	89
6/14/91	72	7.7	4990	4.6	92
6/17/91	76	7.8	4770	4.2	86
6/19/91	74	8.0	4300	3.2	65
6/21/91	62	6.8	3960	3.2	58
6/24/91	64	7.8	4230	4.3	59
6/26/91	72	8.5	3620	3.9	14
6/28/91	64	6.8	4830	3.7	102
7/1/91	80	8.1	5020	4.1	98
7/3/91	72	7.7	5210	4.9	99
7/5/91	80	7.9	3970	3.8	57
7/8/91	76	7.7	3730	3.8	51
7/10/91	72	7.9	2660	2.4	27
7/12/91	66	7.8	3940	4.5	60
7/15/91	66	6.9	4160	3.8	75
7/17/91	80	8.8	4720	5.0	83
7/19/91	80	8.7	4260	4.1	63
7/22/91	82	7.4	4900	4.8	85
7/24/91	66		4490	4.4	62
7/26/91	80		4370	4.2	70
7/29/91	70		5500	5.6	116
7/31/91	70		5420	5.6	120

Table-B8 Charleston Drain at CCID Main Canal (MER502) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/2/91	64	7.4	2430	2.8	27
8/9/91	69	9.0	3000	4.5	5.8
8/12/91	76	8.2	3580	3.3	72
8/14/91	81	6.7	3620	3.1	46
8/16/91	70		2780	3.3	6.6
8/19/91	68	7.5	4460	4.4	72
8/21/91	78		4830	4.6	64
8/23/91	66		4950	5.4	54
8/26/91	66	6.9	1620	1.8	1.9
8/28/91	69	8.0	3620	3.6	35
8/30/91	74	8.0	3900	4.0	39
9/7/91	74	8.0	2000	2.4	13
9/17/91	72	7.8	4940	4.8	60
9/21/91	72	7.8	4940	4.8	60
9/23/91	78	7.8	4750	4.5	55
9/30/91	69	7.3	4370	4.6	48
10/4/91	78	7.7	2190	1.7	19
10/7/91	70	7.3	1830	1.4	15
10/11/91	69	7.5	1830	1.4	15
10/18/91	70	7.5	1350	0.74	10
10/25/91		6.7	1370	1.2	12
11/1/91	61	7.9	2780	2.3	32
11/8/91	64	7.8	2970	2.6	42
11/15/91	58	7.8	1400	0.93	12
11/25/91	54	7.7	3500	3.2	44
12/6/91	46	8.3	4020	3.8	56
12/13/91	50	7.7	4990	5.4	73
12/20/91		8.3	5190	5.7	89
12/26/91	47	7.9	5110	4.9	79
1/10/92	52	7.9	5110	4.6	80
1/17/92	47	7.8	5420	5.3	73
1/24/92		7.4	5340	5.2	84
1/31/92		7.8	5160	5.6	68
2/28/92	58	7.9	5690	6.0	103
3/13/92	58	7.9	5400	5.6	99
3/20/92	57	7.9	4990	4.9	81
3/26/92	59	7.8	4270	4.4	71
3/30/92	59	7.9	5550	1.4	106
4/2/92	60	7.8	5400	4.9	101
4/9/92	56	7.8	5190	4.4	104
4/16/92	59	7.8	5290	4.7	106
4/23/92	54	8.0	3770	3.8	45
4/30/92	70	8.0	4220	4.3	74
5/7/92	74	7.8	4650	3.5	97
5/15/92	79	8.0	5060	4.6	75
5/21/92	74	7.8	4600	3.7	84
5/28/92	77	8.3	4300	4.3	
5/29/92	68	7.3	4320	3.9	63
6/5/92	76	8.0	3920	4.5	4.6
6/12/92	79	7.9	4670	4.6	91
6/19/92	81	8.1	4430	4.0	76
6/26/92	70	7.6	4420	4.3	72
7/3/92	74	8.0	3170	3.5	27
7/10/92	76	7.2	2340	2.2	3.6
7/17/92	72	7.3	5240	6.0	81
7/24/92	69	7.8	3420	2.8	51
7/30/92	78	8.1	4020	4.7	59
8/7/92	69	8.1	4920	4.9	73

Table-B8 Charleston Drain at CCID Main Canal (MER502) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/14/92	72	7.5	4170	4.6	49
8/23/92	83	7.9	3790	3.6	59
8/27/92	73	7.8	4190	4.9	60
9/4/92	64	7.6	3350	3.2	34
9/11/92	68	7.5	3790	3.9	47
9/18/92	62	7.3	4430	5.0	51
9/25/92	69	8.1	1280	0.87	4.7
10/2/92	64	7.3	1830	1.5	10
10/9/92	68	7.1	1050	0.54	4.0
10/16/92	65	8.4	1010	0.50	3.4
10/23/92	64	6.7	1040	0.55	3.9
10/30/92	63	7.9	2180	2.0	19
11/6/92	58	7.8	2910	2.6	23
11/30/92	49	7.4	3760	3.6	40
12/4/92	49	6.9	3920	3.8	38
1/28/93		8.4	5220	5.3	84
2/4/93	50	6.5	5640	6.4	100
2/24/93	61	8.2	4960	5.6	84
4/30/93	64	7.7	4980	4.9	68
5/28/93	62	7.0	5190	5.0	90
6/25/93	70	5.9	5740	5.4	108
7/30/93	68	6.3	5090	5.5	106
8/13/93	70	6.6	4220	3.9	80
8/26/93	69	6.3	4090	4.4	73
9/23/93	60	6.7	4930	6.0	73
10/28/93		6.2	1550	1.4	14
11/28/93	52	7.5	1620	1.5	14
1/28/94	50	7.4	4830	6.0	81
2/25/94	54	7.3	5230	4.2	110
4/1/94	58	7.7	3780	3.3	74
4/27/94	58	8.2	5090	4.6	95
5/25/94	62	7.6	5130	6.5	78
6/29/94	72	6.9	4540	4.0	87
7/27/94	73	7.6	4720	4.4	97
8/31/94	71	7.5	3370	2.8	51
9/29/94	78	7.2	2600	2.6	32
10/27/94	59	8.0	2540	1.9	24
11/8/94	49	6.9	3450	2.9	37
11/10/94	56	7.9	4690	5.3	66
11/18/94	47	7.6	4190	3.8	49
11/22/94	43		4520	3.9	58
12/1/94	48	7.6	4830	4.5	63
12/9/94	38	8.7	2990	2.5	34
12/15/94	44		4760	4.6	56
12/21/94	46	8.5	2350	1.9	25
12/29/94	41	7.8	2780	2.3	25
1/26/95	53	8.0	3070	2.6	49
2/3/95	58	7.9	5140	4.7	89
2/9/95	64	8.3	5910	5.2	105
2/17/95	54	5.6	6010	5.3	96
2/23/95	56	7.3	5750	5.1	92
3/3/95	59	7.4	4980	4.0	88
3/29/95	57	7.1	5740	4.9	110
4/6/95	65	8.5	5820	5.0	117
4/13/95	60	7.6	5650	5.1	104
4/21/95	54	7.1	4660	4.5	76
4/28/95	62	7.5	3100	2.6	54
5/3/95	60	7.9	2930	2.8	52

Table-B8 Charleston Drain at CCID Main Canal (MER502) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/12/95	58	8.0	5310	4.8	96
5/17/95	66	7.6	4880	4.9	79
5/26/95	60	7.3	5070	5.4	99
6/2/95	62	7.5	4150	4.0	65
6/9/95	62	7.0	4250	4.3	61
6/23/95	70	8.0	4770	5.0	104
6/28/95	70	7.2	4680	4.8	87
7/6/95	74	8.1	4500	3.3	74
7/13/95	78	7.4	3260	3.0	45
7/20/95	70	8.2	4500	0.17	2.0
7/27/95	80	7.3	3120	2.8	56
8/3/95	75	7.7	2600	2.2	34
8/10/95	71	7.2	4180	3.4	71
8/17/95	68	6.9	3890	3.5	67
8/24/95	73	6.9	3270	2.7	50
8/31/95	70	7.7	4960	4.3	89
9/7/95	70	8.3	4110	3.9	59
9/15/95	67	6.6	4560	4.3	64
9/22/95	65	6.6	4080	5.1	47
9/28/95	69	8.2	304	0.15	1.3
Count	211	224	246	248	248
Min	38	5.6	304	0.15	1.3
Max	83	9.0	10220	24	129
Mean	65	7.6	4144	4.0	65
Geo Mean	64	7.6	3883	3.5	53
Median	65	7.7	4410	4.1	68

Table-B9 Almond Drive Drain (MER555)

Location: Latitude 36°59'55", Longitude 120°49'00". In SW 1/4, SW 1/4, SW 1/4, Sec. 6, T.11S., R.11E. North side of Almond Drive, 1.1 miles east of Mercy Springs Drain, 100 feet east of CCID Main Canal. 4.7 miles south of Los Banos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
6/13/85		7.7	1520	1.6	2
1/30/87		8.4	2200	2.7	4.0
2/27/87		7.9	1980	2.0	5.6
4/1/87		8.4	2590	2.9	5.3
5/1/87		8.3	1810	1.8	4.5
6/1/87		7.4	2140	2.1	5.2
7/1/87			1800	2.4	8.6
7/31/87		7.8	1100	0.83	2.1
9/1/87			1870	2.1	2.7
10/1/87	70	7.0	739	0.20	1.4
11/3/87	62	8.8	1050	0.50	1.3
12/1/87	57	8.1	1720	1.2	17
1/5/88	56	8.0	2850	3.2	4.8
1/27/88	61	7.2	2400	2.4	3.4
3/9/88	63		2000	2.0	4.6
3/30/88	65	8.1	2500	2.7	5.6
5/5/88	65	7.7	2350	2.4	5.7
6/1/88	75	7.9	2950	3.1	6.8
6/29/88	72	7.8	2300	2.1	4.4
8/1/88	81	7.9	1800	1.6	3.4
10/4/88	70		730	0.16	1.3
11/1/88	68	7.8	1360	1.0	2.0
12/8/88	58		2450	2.6	3.7
2/7/89	58	8.2	2350	2.2	4.2
3/1/89	64	8.2	2330	2.2	3.6
3/29/89	72	7.4	2410	2.4	4.4
5/1/89	74	7.5	2430	2.4	4.8
5/30/89	74	7.5	2160	2.3	4.4
7/5/89	72	7.5	1900	1.8	3.7
8/1/89	64	6.7	880	0.67	2.5
9/29/89	67	7.2	640	0.26	1.2
10/30/89	60	8.7	600	0.21	0.7
11/30/89	47	7.5	840	0.42	2.3
12/29/89	42	7.6	1010	0.70	2.2
1/19/90	44	8.3	1180	0.57	2.3
2/2/90	49	7.3	1150	0.71	3.2
3/30/90	56	7.7	2190	2.1	2.8
4/12/90	58	7.8	1710	1.5	2.7
4/27/90	62	7.8	1850	1.5	4.0
5/31/90	68	7.7	2570	2.4	4.7
6/28/90	68	8.6	1480	1.1	2.4
7/27/90	81	7.7	790	0.46	1.9
8/30/90	75	8.0	1570	1.6	2.2
9/28/90	66	8.4	1450	1.4	1.6
10/26/90	63	7.5	650	0.21	0.5
11/27/90	38	7.1	830	0.60	1.3
12/28/90	35	8.6	1580	1.0	11
1/25/91	50	6.3	1560	1.3	1.7
2/22/91	50	7.0	1150	0.90	1.4
3/28/91	56	7.8	980	0.50	2.1
4/25/91	68	7.5	1030	1.0	1.8
5/9/91	56	7.0	1560	1.2	2.3
5/11/91	58	6.8	1640	1.6	3.7
5/14/91	56	7.3	2420	2.2	4.6

Table-B9 Almond Drive Drain (MER555) Continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/16/91	60	6.6	1960	1.7	4.4
5/19/91	56	6.8	2720	2.7	6.0
5/21/91	58	6.9	2840	3.0	6.9
5/23/91	74	8.0	3530	3.5	8.4
5/25/91	64	6.9	2410	2.1	5.1
5/28/91	58	7.3	3020	2.8	7.4
5/30/91	68	9.2	2270	2.1	4.8
6/1/91	80	7.8	3010	0.80	8.1
6/3/91	76	7.5	2630	0.80	5.1
6/5/91	62	7.6	2660	2.7	7.3
6/7/91	60	6.9	2720	2.8	5.7
6/10/91	64	6.8	2210	2.1	4.6
6/12/91	78	7.9	2470	2.9	6.1
6/14/91	72	7.6	2220	2.1	4.5
6/17/91	78	7.7	2490	2.5	5.4
6/19/91	76	7.9	1850	1.4	4.7
6/21/91	60	6.6	1420	0.90	4.0
6/24/91	62	7.9	1870	1.6	4.5
6/26/91	76	8.4	1700	1.2	3.4
6/28/91	64	6.7	1350	0.94	3.0
7/1/91	78	8.3	2330	2.1	5.0
7/3/91	68	7.8	2140	1.9	4.8
7/5/91	76	8.1	2330	2.2	4.6
7/8/91	78	7.6	2100	1.9	4.2
7/10/91	76	7.9	2150	2.0	4.2
7/12/91	68	8.0	1290	0.89	3.0
7/15/91	64	6.7	1550	1.3	3.4
7/17/91	82	8.8	1420	1.9	4.3
7/19/91	80	8.6	1300	1.0	2.4
7/22/91	84	7.7	1250	1.0	2.9
7/24/91	66		1150	0.80	2.2
7/26/91	84		1150	0.79	3.3
7/29/91	68		1260	0.80	3.4
7/31/91	68		1410	0.97	3.5
8/2/91	64	6.8	1200	0.80	3.1
8/14/91	82	6.6	830	0.40	3.2
8/19/91	66	8.1	1110	0.70	2.0
8/21/91	76		730	0.30	1.1
8/23/91	70		680	0.24	0.9
8/26/91	71	6.6	640	0.20	1.2
8/28/91	74	9.1	640	0.20	1.0
8/30/91	75	8.7	840	0.45	0.8
9/17/91	76	8.2	1480	1.5	2.7
9/21/91	76	8.2	1480	1.5	2.7
9/23/91	80	8.2	1330	1.3	2.5
9/27/91	70	8.0	2390	3.2	2.6
9/30/91	70	6.9	2360	3.4	1.8
10/4/91	80	7.2	2760	3.9	2.2
10/7/91	73	7.2	710	0.25	1.0
10/11/91	69	7.6	620	0.19	1.0
10/18/91	69	7.7	590	0.18	0.7
10/25/91		7.1	530	0.23	0.7
11/25/91	54	7.9	520	0.31	0.7
12/26/91	48	8.1	2630	3.1	6.6
1/31/92		8.2	2620	3.1	5.5
2/28/92	59	8.0	2000	1.8	3.6
3/30/92	60	7.3	2100	1.9	3.4
4/30/92	67	8.0	1680	1.4	2.5

Table-B9 Almond Drive Drain (MER555) Continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/29/92	66	7.0	1660	1.5	2.6
6/26/92	72	7.6	1670	2.0	3.0
7/30/92	74	7.9	1170	0.99	3.4
8/28/92	80	7.8	2170	2.7	1.8
9/25/92	69	8.2	970	0.55	1.6
10/30/92	64	8.3	900	0.39	0.6
11/30/92	52	7.2	910	0.43	1.3
12/30/92	50		2400	2.8	2.7
1/28/93	52	8.6	3230	4.4	5.6
2/24/93	64	8.4	2410	3.1	5.0
3/26/93	58	7.6	1920	1.9	6.1
4/30/93	68	8.3	614	0.35	2.0
5/28/93	60	7.1	1120	0.92	2.0
6/25/93	72	5.6	678	0.36	1.6
7/30/93	64	6.0	783	0.70	1.9
8/13/93	72	7.1	562	0.36	1.6
8/26/93	74	6.5	379	0.27	1.2
9/23/93	68	7.0	460	0.27	1.9
10/28/93	60	5.8	448	0.22	0.4
11/28/93	54	7.6	573	0.24	1.4
12/28/93	44	6.3	541	0.27	0.9
1/28/94	51	6.7	1890	2.0	4.6
2/25/94	52	7.1	720	0.48	2.0
4/1/94	58	7.8	2620	3.1	4.7
4/27/94	59	8.5	803	0.51	1.4
5/25/94	61	7.8	2120	2.1	4.6
6/29/94	70	6.2	862	0.86	1.8
7/27/94	72	8.4	933	0.65	2.2
8/31/94	72	7.9	1370	1.3	2.1
9/29/94	70	7.2	815	0.31	2.3
10/27/94	60	7.9	731	0.27	1.1
11/22/94	47		694	0.29	1.8
11/22/94			714	0.28	1.7
12/29/94	48	8.4	808	0.35	3.7
1/26/95	50	8.0	2370	3.0	4.8
2/23/95	56	7.9	880		
3/29/95	59	7.3	2880		
4/28/95	63	7.3	91.3	0.04	0.6
5/26/95	62	6.9	70.4		
6/28/95	78	7.8	284		
7/27/95	82	8.0	526	0.49	1.7
8/31/95	76	7.9	466		
9/28/95	69	8.3	311		
Count	143	141	155	149	149
Min	35	5.6	70	0.04	0.4
Max	84	9.2	3530	4.4	17
Mean	65	7.6	1563	1.4	3.4
Geo Mean	64	7.6	1323	1.0	2.7
Median	66	7.7	1520	1.3	3.0

Table-B10 Rice Drain at Mallard Road (MER509)

Location: Latitude 36°59'22" Longitude 120°14'42". In NE 1/4, NW 1/4, SW 1/4, Sec. 7, T.11S., R.11E. South of Santa Fe Grade at Brito, 50 feet west of Mallard Road. 4.5 miles west of Dos Palos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
5/2/85		7.9	2800	6.6	3
6/3/85			2300	5.4	3
7/2/85		7.8	2600	6.1	2
8/15/85			1800	3.2	1
8/28/85		7.6	1900	4.0	2
9/28/85			3500	8.4	4
10/31/85		8.3	3300	7.1	2
12/7/85		7.8	3850	8.3	2
1/4/86		8.3	5100	12	2
1/14/86		7.4	5600	14	4
3/2/86		8.0	6900	19	5
4/2/86					3
4/27/86		8.2	3800	11	3
6/4/86		7.8	1800	5.0	3.1
6/26/86		7.8	2500	5.9	2.9
8/5/86		8.1	1600	3.8	2.3
9/2/86			2000	4.5	1.6
9/28/86		7.8	3200	8.1	3.7
11/3/86				7.3	2.3
12/4/86		7.8		6.1	2.1
1/3/87		8.1	4100	10	2.0
1/30/87		7.7	1300	2.5	2.6
2/27/87		8.1	5170	13	3.9
4/1/87		7.8	4390	13	5.3
5/1/87		8.6	2220	5.5	4.0
6/1/87		7.4	1910	3.7	3.1
7/1/87			3300	7.8	10
7/31/87		7.6	2500	5.2	2.1
9/1/87			2270	4.3	1.9
10/1/87	70	8.0	3190	7.3	2.9
11/3/87	61	8.1	3000	6.4	2.1
12/1/87	53	7.7	2680	4.9	2.4
1/5/88	52	7.9	4500	8.8	2.4
1/27/88	53	8.1	3050	5.3	2.1
3/9/88	62		3350	7.4	2.7
3/30/88	60	8.1	1700	2.9	2.9
5/5/88	60	7.5	2900	6.6	4.2
6/1/88	72	7.6	2200	4.6	3.0
6/29/88	72	7.8	2600	4.8	3.4
8/1/88	81	7.7	2300	3.9	2.4
9/1/88	80		2350	3.7	1.8
10/4/88	65		2900	6.1	3.0
11/1/88	67	7.8	4150	11	3.1
1/11/89	49		3700	7.6	2.5
2/7/89	41	7.8	3050	5.2	3.8
3/1/89	57	7.8	5480	14	5.0
3/29/89	72	7.5	3960	7.8	3.2
5/1/89	75	7.1	2130	4.3	4.2
5/30/89	75	7.7	2380	5.0	2.9
7/5/89	78	7.5	2590	5.6	2.5
8/1/89	71	7.8	2110	4.2	2.1
9/1/89	71	8.0	2180	4.1	2.1
9/29/89	63	7.6	2270	4.3	3.9
10/30/89	61	8.2	3550	8.1	2.7
11/30/89	48	7.4	2970	5.1	1.9

Table-B10 Rice Drain at Mallard Road (MER509) continued:

Date	Time	pH	EC µmhos/cm	B mg/L	Se µg/L
12/29/89	48	7.0	4020	7.4	36
1/19/90	43	8.1	3800	6.3	2.0
2/2/90	46	7.8	3080	5.3	3.3
3/30/90	57	7.7	3050	3.7	1.5
4/12/90	64	7.6	3000	6.2	2.5
4/27/90	66	7.2	2310	4.5	2.3
5/31/90	70	8.1	3020	5.4	2.5
6/28/90	69	8.9		6.3	3.7
7/27/90	84	7.9	2400	4.5	2.6
8/30/90	75	8.1	2350	4.5	3.0
9/28/90	68	7.8	4110	9.3	4.0
10/26/90	60	7.8	2380	4.6	2.0
11/27/90	44	8.1	5400	13	3.5
12/28/90	38	7.8	5200	11	2.0
1/25/91	49	8.0	4600	9.2	
2/22/91	55	9.1	3970	8.8	2.3
3/28/91	60	7.7	5670	14	3.0
4/25/91	69	7.6	5090	14	4.6
5/9/91	62	7.7	2350	4.7	3.5
5/11/91	62	7.7	2410	4.8	4.3
5/14/91	58	8.0	2300	3.8	3.5
5/16/91	66	8.2	2730	5.2	3.6
5/19/91	56	8.2	2330	3.7	6.0
5/21/91	64	7.8	2650	4.3	8.4
5/23/91	80	8.1	2970	5.5	3.5
5/25/91	70	7.7	2700	5.0	4.8
5/28/91	64	7.6	2670	4.2	4.7
5/30/91	69	7.9	2300	3.9	4.1
6/1/91	70	7.7	2150	3.1	4.4
6/3/91	76	7.8	2090	2.7	3.2
6/5/91	66	7.0	2200	2.4	3.1
6/7/91	66	7.6	2540	3.5	3.6
6/10/91	74	7.5	3430	6.3	3.0
6/12/91	80	7.5	3370	6.5	2.8
6/14/91	78	7.9	3340	6.9	2.8
6/17/91	74	7.8	2680	4.7	2.8
6/19/91	74	7.8	3330	6.2	3.5
6/21/91	64	7.8	3460	5.7	2.8
6/24/91	62	7.2	2910	5.0	2.5
6/26/91	70	8.3	2480	3.9	2.3
6/28/91	64	7.9	2830	5.2	3.5
7/1/91	82	8.2	2030	2.8	2.7
7/3/91	76	6.8	2910	4.9	2.8
7/5/91	86	8.0	2620	4.2	2.3
7/8/91	82	7.9	2650	5.1	2.5
7/10/91	78	7.8	2980	5.6	2.7
7/12/91	70	7.0	2730	4.5	2.6
7/15/91	68	7.9	2070	3.1	2.3
7/17/91	74	7.7	2360	4.1	2.6
7/19/91	74	8.2	2660	4.4	2.7
7/22/91	84	7.6	2270	3.8	2.0
7/24/91	70		2540	4.5	3.6
7/26/91	78		2090	3.4	2.0
7/29/91	72		1970	2.9	2.6
7/31/91	74		2510	4.3	2.9
8/2/91	67	8.3	1990	3.7	4.6
8/5/91	72	8.4	2020	3.0	2.7
8/7/91	80	7.7	2740	5.0	3.0

Table-B10 Rice Drain at Mallard Road (MER509) continued:

Date	Time	pH	EC µmhos/cm	B mg/L	Se µg/L
8/9/91	75	8.6	2860	4.7	2.6
8/12/91	72	7.6	1800	2.6	1.6
8/14/91	82	7.8	1670	2.3	1.6
8/16/91	70		2520	4.9	2.3
8/19/91	70	8.6	2030	3.1	1.6
8/21/91	83		1860	2.3	2.6
8/23/91	69		2250	3.4	2.5
8/26/91	66	7.5	2390	3.8	2.7
8/28/91	71	8.1	2860	4.9	2.9
8/30/91	74	7.8	2530	4.5	2.3
9/7/91	80	8.1	2280	3.8	1.8
9/10/91	74	8.5	2310	3.9	2.1
9/14/91	70	7.9	1780	2.3	1.3
9/17/91	80	7.9	2280	3.5	1.3
9/21/91	80	8.5	2310	4.0	2.4
9/23/91	80	8.9	2620	5.7	2.7
9/27/91	74	8.6	1840	2.7	2.7
9/30/91	76	8.0	1580	2.2	2.3
10/4/91	82	8.7	2530	4.7	4.1
10/7/91	68	7.9	2080	4.2	2.0
10/11/91	68	7.0	1580	2.4	2.9
10/18/91	69	8.0	1760	3.0	1.6
10/25/91		8.3	1090	1.6	1.1
11/1/91	58	7.8	1970	3.4	2.3
11/8/91	64	8.1	1820	2.2	5.2
11/15/91	58	8.0	1700	2.2	2.9
11/25/91	56	7.6	1990	3.0	3.8
12/6/91	40	8.4	1630	2.2	2.3
12/13/91	50	8.6	2750	5.6	2.8
12/20/91			4810	11	3.7
12/26/91	46	8.7	5540	14	4.2
1/10/92	46	8.4	5390	12	4.4
1/17/92	42	8.6	4180	8.4	3.4
1/24/92		8.3	6360	15	4.2
1/31/92		8.1	7100	18	5.2
2/28/92	60	8.3	6830	15	6.3
3/6/92	54	7.8	3480	6.7	4.3
3/13/92	58	7.9	4110	8.6	7.1
3/20/92	59	8.0	5780	14	3.7
3/26/92	62	7.7	4390	10	4.1
3/30/92	60	8.1	4510	11	3.4
4/2/92	62	7.7	4470	11	2.9
4/6/92	62	7.7	4470	11	2.9
4/9/92	59	7.7	2340	4.5	2.9
4/16/92	61	8.0	2440	5.2	3.4
4/23/92	60	8.1	3040	6.2	3.5
5/7/92	77	8.2	3650	7.5	4.1
5/15/92	77	7.9	3490	6.4	4.3
5/21/92		8.1	2530	3.9	3.3
5/28/92	81	8.2	2420	4.9	
5/29/92	75	7.9	2470	5.4	2.2
6/5/92	84	8.0	2230	4.8	3.8
6/12/92	76	8.1	2240	3.9	2.7
6/19/92	78	8.1	2180	3.6	3.5
6/26/92	76	7.9	3100	6.0	3.0
7/3/92	75	7.9	2950	6.0	3.4
7/10/92	74	7.5	3790	8.7	3.6
7/17/92	78	7.4	3160	6.6	3.9

Table-B10 Rice Drain at Mallard Road (MER509) continued:

Date	Time	pH	EC µmhos/cm	B mg/L	Se µg/L
7/24/92	71	8.0	3670	7.6	3.2
7/30/92	80	7.9	3150	6.2	2.2
8/7/92	73	8.1	2750	5.7	3.4
8/14/92	74	7.8	3580	7.2	2.9
8/23/92	83	8.2	2600	4.8	3.2
8/28/92	80	8.1	2930	5.5	2.9
9/4/92	68	7.3	2430	3.9	4.0
9/11/92	72	7.6	2160	3.4	1.8
9/18/92	65	7.9	3430	6.8	2.8
9/25/92	65	8.0	3070	5.2	5.6
10/2/92	66	7.5	2420	3.7	3.0
10/9/92	72	7.5	1070	0.85	2.4
10/16/92	64	7.7	1800	2.9	1.4
10/23/92	62	8.5	1920	2.8	2.5
10/30/92	63		2390	4.1	4.7
11/6/92	58	8.2	2250	3.7	3.0
11/30/92	49	8.2	2780	4.3	10
12/4/92	47	8.2	3220	7.8	2.9
12/30/92	50		3360	7.4	1.4
1/28/93	46	8.6	3080	5.7	2.8
2/25/93	52	7.8	3270	6.1	2.6
3/26/93	60	7.6	2070	4.2	2.2
4/30/93	69	7.8	2490	4.7	4.0
5/28/93	66	8.0	1860	3.4	2.4
6/25/93	76	7.5	2480	4.7	3.1
7/30/93	71	7.7	2030	4.3	2.6
8/13/93	71	7.8	1890	3.5	1.9
8/26/93	74	7.6	1990	3.7	2.4
9/23/93	66	7.6	1720	3.4	1.5
10/28/93	63	7.8	2210	4.3	4.0
11/28/93	56	8.0	2540	4.9	3.0
12/28/93	46	7.8	2740	4.9	1.3
1/28/94	48	7.5	3210	5.4	1.3
2/25/94	43	7.6	3930	9.0	3.0
4/1/94	58	8.3	7700		5.8
4/27/94	60	8.3	3720	8.7	3.4
5/25/94	70	8.1	2910	5.7	4.6
6/29/94	74	7.8	3030	5.7	2.6
7/27/94	76	8.1	2520	4.8	3.6
8/31/94	74	7.8	2190	4.0	2.3
9/29/94	68	8.3	4740	11	5.4
10/27/94	60	8.2	1500	1.8	2.2
11/22/94			2500	4.0	1.5
12/29/94	49	7.9	2250	3.4	1.0
1/26/95	53	7.7	2640	3.7	4.2
2/23/95	58	7.8	3740		
3/29/95	68	7.9	5840		
4/13/95	62	8.2	5200		
4/28/95	67	8.0	4620	12	2.6
5/26/95	68	7.9	3990		
6/28/95	70	7.7	3370		
7/27/95	78	8.0	2420	5.6	5.0
8/31/95	74	8.0	2310		
9/28/95	67	7.7	2640		
Count	190	203	221	216	216
Min	38	0.0	1070	0.85	1.0
Max	86	9.1	7700	19	36
Mean	66	7.9	2978	5.9	3.2
Geo Mean	65	7.9	2796	5.2	2.9
Median	68	7.9	2640	4.9	2.9

Table-B11 Boundary Drain at Department of Fish and Game Pump (MER521)
Location: Latitude 37°06'32", Longitude 120°46'44". In NE 1/4, SE 1/4, NE 1/4, Sec. 32, T.9S., R.11E. North of Henry Miller Road. 4.6 miles NE of Los Banos.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
6/14/85		7.5	1070	0.47	1
8/15/85			1050	0.43	1
8/29/85		7.5	1100	0.39	<1
9/28/85			1200	0.51	1
10/31/85		7.9	1710	0.65	<1
12/7/85		7.7	3300	1.7	1
1/4/86		8.1	3800	1.8	<1
1/14/86		7.3	3600	1.8	<1
3/2/86		7.9	2200	0.94	<1
4/2/86					<1
4/3/86					12
4/26/86		7.5	1200	0.39	<1
6/3/86		7.4	1000	0.52	0.9
6/26/86		7.3	1040	0.40	1.3
8/4/86		8.2	1200	0.48	1.1
9/2/86			1100	0.39	1.1
9/27/86		7.6	1000	0.47	
11/3/86				0.49	1.5
12/4/86		7.2		0.78	1.6
1/2/87		7.9	2200	0.87	1.6
1/30/87		7.0	3400	1.4	0.5
2/27/87		7.5	1930	0.95	2.0
4/1/87		7.3	2210	1.0	2.1
5/1/87		7.6	1250	0.54	1.9
6/1/87		7.2	1140	0.47	1.7
7/1/87			1200	0.68	1.8
7/31/87		7.2	960	0.35	1.5
9/1/87			1120	0.43	1.4
10/1/87	72	7.4	147	0.48	1.5
11/3/87	61	8.0	150	0.65	0.5
12/1/87	59	7.3	327	1.4	1.2
1/27/88	59	7.5	270	0.87	0.5
3/9/88	60		165	0.60	1.9
3/30/88	59	7.6	185	0.68	1.8
5/5/88	62	7.6	135	0.50	1.9
6/1/88	74	7.5	130	0.50	1.4
6/29/88	69	7.5	125	0.40	1.5
8/1/88	80	7.8	115	0.33	1.1
9/1/88	83		137	0.39	1.4
10/4/88			1440	0.39	0.6
11/1/88		7.5	1430	0.45	0.8
12/8/88			3820	1.5	0.4
1/11/89			3170	1.4	0.4
2/7/89		7.8	2200	0.86	1.1
3/1/89		7.6	1870	0.66	1.8
3/29/89		7.2	2060	0.74	1.7
5/1/89		7.5	1430	0.60	0.4
5/30/89		7.7	1310	0.42	1.1
7/5/89		7.4	1130	0.37	1.0
8/1/89		8.3	950	0.32	1.2
9/1/89		8.1	1340	0.45	0.9
10/6/89	68	7.8	1140	0.36	1.2
10/30/89	57	6.6	1480	0.51	0.5
11/30/89	49	7.8	1510	0.44	0.6
12/29/89	52	7.4	2050	0.46	2.3

Table-B11 Boundary Drain at DFG Pump (MER521) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
2/2/90	48	7.8	2440	0.96	2.0
3/30/90	60	7.5	2450	0.81	1.8
4/12/90	66	7.4	1790	0.55	0.9
4/27/90		7.5	1650	0.45	0.7
5/31/90	70	8.3	1520	0.44	0.9
6/28/90	67	9.0	1370	0.41	1.2
7/27/90	81	8.8	970	0.31	0.5
8/31/90	67	8.0	1140	0.39	0.9
9/28/90	69	7.7	680	0.16	0.8
10/26/90	62	7.7	1080	0.37	0.9
11/27/90	50	7.6	2070	0.31	<0.4
1/25/91	50	8.4	2130	0.62	0.5
2/22/91	58	8.9	1770	0.58	0.9
4/25/91	59	7.0	1490	0.67	1.0
5/9/91	66	7.2	1680	0.57	1.0
5/11/91	66	7.2	1650	0.60	1.0
5/14/91	58	7.8	1520	0.50	1.0
5/16/91	68	7.8	1420	0.50	0.9
5/19/91	56	8.0	1670	0.60	0.9
5/21/91	62	8.0	1910	0.70	0.8
5/23/91	72	7.5	1410	0.41	1.2
5/25/91	76	7.4	1160	0.40	1.1
5/28/91	66	7.8	1630	0.50	1.7
5/30/91	69	8.5	1760	0.60	0.8
6/1/91	72	7.4	1620	0.40	0.7
6/3/91	62	7.6	1700	0.60	1.8
6/5/91	80	7.7	1710	0.60	0.8
6/7/91	80	7.6	1420	0.48	0.8
6/10/91	76	7.5	1670	0.50	1.2
6/12/91	76	7.6	1400	0.40	0.5
6/14/91	60	7.2	1300	0.45	1.3
6/17/91	80	7.6	1360	0.50	0.7
6/19/91	60	7.4	1280	0.40	1.6
6/21/91	68	7.7	1380	0.38	0.8
6/24/91	64	8.2	1340	0.40	1.5
6/26/91	70	7.7	1430	0.40	0.6
6/28/91	70	7.6	1390	0.44	0.7
7/1/91	82	7.8	1310	0.40	1.0
7/3/91	76	8.1	1650	0.50	1.4
7/5/91	80	7.6	1600	0.50	0.7
7/8/91	70	7.2	1500	0.50	1.6
7/10/91	72	7.5	1480	0.50	0.9
7/12/91	82	7.7	1440	0.47	0.9
7/15/91	70	8.2	1310	0.40	1.6
7/17/91	68	7.1	1390	0.40	0.9
7/19/91	72	8.2	1090	0.32	0.7
7/22/91	78	7.2	1490	0.40	0.8
7/24/91	86		1920	0.50	0.9
7/26/91	78		1500	0.44	0.6
7/29/91	74		1290	0.40	1.5
7/31/91	76		1280	0.32	1.2
8/2/91	70	8.2	960	0.40	1.3
8/5/91	76	7.9	1380	0.40	0.9
8/7/91	80	7.3	1380	0.40	0.9
8/9/91	77	9.0	1160	0.34	0.8
8/12/91	74	7.5	1390	0.40	1.0
8/14/91	78	7.4	1230	0.40	0.7
8/16/91	72		910	0.40	0.8

Table-B11 Boundary Drain at DFG Pump (MER521) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/19/91	72	8.8	1060	0.30	0.6
8/21/91	75		1260	0.40	1.0
8/23/91	72		1420	0.48	0.9
8/26/91	69	7.6	1000	0.30	1.0
8/28/91	72	8.3	1180	0.40	1.1
8/30/91	76	7.5	1720	0.55	0.5
9/7/91	76	7.8	1230	0.38	1.0
9/10/91	70	7.5	920	0.30	1.1
9/14/91	74	8.1	960	0.29	1.4
9/17/91	86	7.6	1760	0.50	0.5
9/23/91	80	7.2	1060	0.40	0.7
9/27/91	72	7.9	1240	0.40	0.6
9/30/91	75	7.8	1010	0.29	0.5
10/4/91	84	8.4	1160	0.32	1.4
10/7/91	71	7.8	1050	0.34	0.8
10/11/91	69	7.3	1230	0.34	0.7
10/18/91	73	7.7	1290	0.36	0.4
10/25/91		8.4	1160	0.42	0.4
11/25/91	57	7.4	1370	0.51	0.5
12/26/91		8.4	3860	2.7	1.3
1/31/92		7.4	3550	1.2	0.8
3/30/92	62	7.9	2310	0.89	1.6
4/30/92	72	8.0	1630	0.61	2.0
5/29/92	76	7.3	1470	0.46	0.7
6/26/92	76	7.4	1570	0.56	1.4
7/30/92	84	8.1	1290	0.43	0.5
8/28/92	80	8.1	1330	0.48	1.2
9/25/92	68	7.8	1260	0.49	0.6
10/30/92	62	8.3	1130	0.58	0.5
11/30/92	54	8.1	1380	0.48	1.0
1/28/93	54	8.3	3440	1.2	1.0
4/30/93	68	7.9	1200	0.51	2.5
5/28/93	66	8.1	955	0.32	0.8
6/25/93	76	7.7	1460	0.68	1.3
7/30/93	74	7.9	840	0.37	1.4
8/13/93	71	8.0	875	0.37	1.4
8/27/93	74	7.3	948	0.43	1.6
9/24/93	66	7.4	866	0.40	0.6
10/29/93	61	7.7	1090	0.46	0.6
11/30/93	54	7.5	1690	0.65	0.8
12/28/93	52	7.7	2170	0.77	0.5
1/28/94	50	7.5	1640	0.79	0.6
2/25/94	55	7.5	2000	0.74	1.6
4/1/94	64	7.1	1900	0.76	1.8
4/27/94	59	8.1	1510	0.56	0.8
5/25/94	74	7.5	1810	0.73	1.1
6/29/94	77	7.7	1840	0.64	1.4
7/27/94	79	8.2	1190	0.49	1.9
8/31/94	72	7.3	1120	0.43	1.2
9/29/94	73	8.3	1180	0.37	1.4
10/27/94	63	7.6	1280	0.48	1.0
11/22/94	47		1310	1.0	0.7
12/29/94	52	7.8	1900	0.61	0.4
1/26/95	55	7.4	2230	0.64	0.6
2/23/95	59	7.9	1500		
Count	124	147	164	165	165
Min	47	6.6	115	0.16	<0.4
Max	86	9.0	3860	2.7	12
Mean	68	7.7	1457	0.57	1.1
Geo Mean	68	7.7	1260	0.51	0.9
Median	70	7.6	1375	0.48	1.0

Table-B12 Salt Slough Ditch at Hereford Road (MER528)

Location: Latitude 37°08'30" Longitude 120°45'17". In NW 1/4, NE 1/4, NW 1/4, Sec. 22, T.9S., R.11E. 3.0 miles north on Hereford Road from Henry Miller Road.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
6/14/85		7.4	920	0.39	
7/2/85		7.8	660	0.30	1
8/15/85			880	0.37	1
8/29/85		7.6	780	0.39	<1
9/28/85			850	0.33	1
10/31/85		8.1	880	0.42	<1
12/7/85		8.2	1460	0.49	1
1/4/86		8.6	1410	0.49	1
1/14/86			1600	1.1	1
2/7/86		7.6	1600	0.24	1
2/17/86		8.0	1100	0.35	1
3/2/86		8.0	930	0.48	1
4/2/86					<1
4/19/86			550	0.26	<1
4/26/86		7.8	540	0.11	<1
5/13/86			600	0.17	<1
6/3/86		7.6	430	0.17	0.8
6/16/86			640	0.10	3.6
6/26/86		7.5	790	0.25	1.2
8/4/86		8.2	620	0.34	1.3
9/2/86			780	0.34	0.9
9/27/86		7.8	760	0.32	
11/3/86				0.29	1.1
12/4/86		7.8		0.35	1.2
1/2/87		8.5	1500	0.44	1.2
1/30/87		7.8	930	0.50	2.0
2/27/87		7.8	1120	0.49	2.8
4/1/87		7.6	1360	0.58	2.2
5/1/87		7.9	873	0.36	2.0
6/1/87		7.3	838	0.32	2.0
7/1/87			1000	0.76	1.0
7/31/87		7.2	820	0.29	1.4
9/1/87			1000	0.39	1.0
10/1/87	74	7.6	1050	0.30	1.1
11/3/87	58	8.2	1150	0.35	0.6
12/1/87	56	7.8	1620	0.48	0.6
1/5/88	53	7.9	1950	0.43	1.1
1/27/88	58	7.5	1800	0.26	0.4
3/9/88	60		1150	0.30	1.7
3/30/88	58	7.9	1150	0.32	2.0
5/5/88	60	7.7	1150	0.40	2.0
6/1/88	72	7.6	950	0.40	1.8
6/29/88	67	7.7	1050	0.40	1.0
8/1/88	87	8.3	900	0.26	1.2
9/1/88	82		1130	0.42	1.4
10/4/88	68		1050	0.25	1.2
11/1/88	66	7.8	1070	0.28	1.0
12/8/88	52		1390	0.38	0.9
1/11/89	44		1710	0.45	0.4
2/7/89	38	7.9	1100	0.37	1.9
3/1/89	58	7.7	1640	0.53	2.3
3/29/89	66	7.4	1220	0.40	1.5
5/1/89	70	7.6	1090	0.36	1.2
5/30/89	72	7.8	960	0.38	1.3
7/5/89	83	7.4	820	0.30	1.1

Table-B12 Salt Slough Ditch at Hereford Road (MER528) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/1/89	75	8.1	740	0.25	1.2
9/1/89	72	8.3	860	0.30	0.7
9/29/89	66	7.4	830	0.30	1.2
10/6/89	67	7.9	930	0.31	1.2
10/30/89	58	7.2	940	0.26	0.4
11/30/89	49	7.8	1030	0.23	1.2
12/29/89	48	7.6	1250	0.33	<0.4
1/19/90	43	7.9	1700	0.33	<0.4
2/2/90	46	7.8	1350	0.35	1.4
3/30/90	59	8.0	1050	0.43	2.3
4/12/90	66	7.6	1780	0.43	0.6
4/27/90	68	7.5	1480	0.33	0.6
5/31/90	68	8.1	1170	0.30	0.9
6/28/90	69	8.8	970	0.24	0.5
7/27/90	80	9.3	680	0.22	0.6
8/31/90	69	8.0	800	0.24	0.9
9/28/90	69	7.6	780	0.15	0.6
10/26/90	62	7.5	890	0.22	0.4
11/27/90	48	7.7	1130	0.28	<0.4
12/28/90	38	7.8	1210	0.33	1.2
1/25/91	48	8.8	1400	0.30	0.9
2/22/91	58	8.9	1400	0.46	0.7
3/28/91	62	7.8	1560	0.31	1.3
4/25/91	58	7.4	1150	0.41	0.8
5/9/91	66	7.4	1370	0.49	0.9
5/11/91	66	7.3	1160	0.40	1.1
5/14/91	60	8.1	1160	0.40	1.1
5/16/91	68	7.6	1110	0.39	1.0
5/19/91	58	7.7	1010	0.40	1.0
5/21/91	68	7.5	1070	0.30	0.8
5/23/91	74	7.7	1040	0.38	1.4
5/25/91	78	7.7	1030	0.20	1.3
5/28/91	66	7.4	1140	0.30	1.0
5/30/91	68	8.6	1120	0.42	1.3
6/1/91	72	7.7	1230	0.30	1.0
6/3/91	66	7.3	1030	0.30	0.8
6/5/91	78	8.1	1290	0.50	0.9
6/7/91	78	7.9	1360	0.44	1.1
6/10/91	76	7.3	930	0.30	0.6
6/12/91	74	8.0	1050	0.30	0.6
6/14/91	64	7.3	890	0.29	1.0
6/17/91	76	7.8	1070	0.30	0.9
6/19/91	60	7.4	1050	0.30	0.8
6/21/91	68	7.9	1000	0.30	0.9
6/24/91	68	7.8	1080	0.30	0.8
6/26/91	70	8.2	820	0.30	0.8
6/28/91	70	7.9	710	0.24	1.3
7/1/91	80	8.2	1040	0.30	1.0
7/3/91	80	7.7	1070	0.30	1.0
7/5/91	82	7.9	1230	0.40	0.9
7/8/91	72	7.2	1030	0.40	0.9
7/10/91	74	7.8	1040	0.30	1.0
7/12/91	80	8.4	980	0.28	0.9
7/15/91	72	7.8	1010	0.30	1.0
7/17/91	70	7.1	1080	0.30	1.0
7/19/91	72	8.7	930	0.27	0.8
7/22/91	80	7.5	890	0.30	0.9
7/24/91	80		750	0.30	1.2

Table-B12 Salt Slough Ditch at Hereford Road (MER528) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
7/26/91	76		800	0.24	0.9
7/29/91	78		990	0.30	1.2
7/31/91	76		1050	0.38	0.7
8/2/91	73	8.1	700	0.30	1.5
8/5/91	74	8.2	950	0.30	1.4
8/7/91	80	7.5	980	0.30	0.9
8/9/91	77	8.5	1000	0.25	0.8
8/12/91	74	7.6	990	0.30	1.1
8/14/91	78	7.5	940	0.30	0.8
8/16/91	73		1060	0.34	1.3
8/19/91	73	8.8	990	0.30	1.0
8/21/91	73		990	0.30	0.6
8/23/91	75		1030	0.29	1.0
8/26/91	70	7.6	1010	0.30	0.6
8/28/91	79	7.4	1050	0.30	0.8
8/30/91	77	7.6	910	0.28	0.7
9/7/91	78	8.3	1000	0.30	1.0
9/10/91	72	7.2	950	0.30	1.7
9/14/91	76	7.7	920	0.25	1.1
9/17/91	86	7.9	930	0.30	0.6
9/21/91	74	8.5	1180	0.35	0.8
9/23/91	80	7.0	940	0.30	0.5
9/27/91	72	8.3	1060	0.30	0.7
9/30/91	78	7.8	1040	0.28	0.4
10/4/91	82	8.0	960	0.26	0.9
10/7/91	71	7.8	960	0.28	0.7
10/11/91	69	7.3	1040	0.30	0.7
10/18/91	72	7.7	1010	0.30	0.6
10/25/91		8.4	950	0.38	0.4
11/1/91	60	8.0	820	0.22	0.7
11/8/91	65	8.2	790	0.27	1.4
11/15/91	59	8.6	1040	0.30	1.1
11/25/91	54	7.8	1010	0.34	0.5
12/6/91	42	8.3	1040	0.28	0.6
12/13/91	48	8.3	1215	0.29	0.6
12/20/91		8.7	1220	0.44	1.1
12/26/91	46	8.3	1440	0.25	0.5
1/10/92	46	7.8	1440	0.26	0.5
1/24/92		8.6	1430	0.60	2.5
1/31/92		7.9	1500	0.55	1.6
2/21/92	60	7.7	1265	0.31	0.7
2/28/92	65	7.7	1220	0.35	
3/6/92	56	8.0	1070	0.40	2.0
3/13/92	62	7.6	1190	0.41	2.0
3/20/92	59	7.8	1190	0.38	1.8
3/30/92	64	7.6	1320	0.48	1.0
4/2/92	63	7.7	1260	0.37	1.5
4/16/92	64	8.2	1200	0.52	2.0
4/23/92	62	8.1	1130	0.46	1.6
4/30/92	73	8.0	1140	0.41	1.0
5/7/92	76	8.3	1430	0.54	1.9
5/15/92	78	7.9	1340	0.35	0.5
5/21/92		8.4	940	0.24	1.2
5/28/92	81	8.4	1130	0.38	
5/29/92	77	7.8	1200	0.39	0.9
6/5/92	85	8.4	1190	0.35	0.4
6/12/92	78	8.5	932	0.34	0.8
6/19/92	80	8.6	1110	0.46	1.4

Table-B12 Salt Slough Ditch at Hereford Road (MER528) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
6/26/92	79	7.5	1200	0.36	0.6
7/10/92	80	7.4	1020	0.38	1.7
7/17/92	78	7.4	920	0.33	1.3
7/24/92	72	8.3	1110	0.32	1.3
7/30/92	84	8.2	1000	0.34	0.6
8/7/92	77	8.4	1150	0.38	1.3
8/14/92	80	8.1	813	0.30	0.7
8/23/92	80	7.6	1020	0.34	0.5
8/28/92	69	7.5	1060	0.32	0.4
9/4/92	69	7.5	1070	0.43	1.4
9/11/92	75	7.2	1180	0.44	0.6
9/18/92	68	7.6	1210	0.43	0.8
9/25/92	68	8.2	1050	0.39	0.5
10/2/92	68	7.5	1070	0.40	0.5
10/9/92	74	7.6	1140	0.44	<0.4
10/16/92	66	7.8	1060	0.29	<0.4
10/23/92	64	8.0	920	0.27	0.6
10/30/92	61	8.2	1180	0.34	<0.4
11/6/92	60	8.3	1050	0.45	1.1
11/30/92	51	8.1	1100	0.35	0.8
12/30/92	48		1080	0.49	3.0
1/28/93	51	8.5	1400	0.44	3.5
2/24/93	59	8.2	1120	0.57	1.4
3/26/93	60	7.3	1020	0.40	1.8
4/30/93	68	7.6	1060	0.36	1.1
5/28/93	67	7.8	603	0.19	0.5
6/25/93	80	7.4	1070	0.35	0.6
7/30/93	74	7.6	751	0.33	0.9
8/13/93	70	7.6	834	0.31	0.9
8/27/93	76	7.2	702	0.35	0.4
9/17/93	67	8.0	737	0.28	1.0
9/24/93	68	7.6	653	0.27	0.7
10/1/93	75	7.5	731	0.27	0.9
10/8/93	67	8.0	720	0.29	0.9
10/15/93	66	7.9	785	0.26	0.5
10/15/93	66	7.9	785	0.27	0.8
10/21/93	69	7.9	777	0.24	<0.4
10/29/93	60	7.7	791	0.83	
11/30/93	54	7.8	929	0.28	0.6
11/30/93	54	7.8	930	0.34	
12/28/93	49	7.7	1150	0.34	0.7
1/28/94	49	7.5	1040	0.32	0.8
2/25/94	56	7.4	1370	0.34	1.0
2/25/94	56	7.4	1370	0.99	22
4/1/94	64	7.5	1140	0.51	1.4
4/27/94	60	7.7	1300	0.41	0.7
5/25/94	74	7.9	1140	0.43	0.9
6/29/94	79	7.7	813	0.46	0.8
7/27/94	82	7.7	1020	0.39	0.7
8/31/94	70	7.3	1050		0.9
9/29/94	74	7.9	838	0.24	0.7
10/27/94	62	7.6	953	0.24	0.5
11/22/94	45		1130	0.24	<0.4
12/29/94	50	8.3	1010	0.44	3.0
1/26/95	55	7.7	613	0.16	0.6
2/23/95	59	8.0	1070		
3/29/95	65	8.3	1140		
4/13/95	65	7.5	782		

Table-B12 Salt Slough Ditch at Hereford Road (MER528) continued:

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
4/28/95	65	7.9	595	0.15	0.8
5/26/95	71	8.0	477		
6/28/95	78	8.1	697		
7/27/95	82	8.4	476	0.14	0.9
8/31/95	78	8.1	740		
9/28/95	69	7.7	655		
Count	197	210	232	226	222
Min	38	7.0	430	0.10	<0.4
Max	87	9.3	1950	1.1	22
Mean	67	7.9	1044	0.35	1.1
Geo Mean	67	7.8	1014	0.33	0.9
Median	68	7.8	1040	0.32	0.9

Table-B13 Garzas Creek @ Hunt Road (MER513)

Location: Latitude 37° 13' 01" Longitude 121° 59' 36". In SE 1/4, SE 1/4, SE 1/4, Sec.20. T.8S, R9E. Located 2.2 mi. south of Gustine on Hunt Road.

Date	Temp °F	pH	EC µmhos/cm	B mg/L	Se µg/L
8/14/85			920	0.70	5
8/29/85		8.1	840	0.70	4
9/27/85			750	0.55	4
10/30/85		8.6	950	0.92	7
12/7/85		8.6	1210	0.61	2
1/3/86		8.6	1500	1.0	2
1/14/86			1700	2.3	1
2/16/86		8.0	520	0.26	1
3/2/86		8.3	800	0.49	1
6/3/86		8.0	330	0.32	3.5
6/26/86		8.0	800	0.61	5.7
8/4/86		8.2	370	0.12	0.9
9/2/86			360	0.16	0.5
9/27/86		8.2	430	0.27	1.0
11/4/86				0.96	1.4
12/4/86		7.6		0.34	1.9
1/2/87		7.9	800	0.34	1.0
Count		12	15	17	17
Min		7.6	330	0.12	0.5
Max		8.6	1700	2.30	7.0
Mean		8.2	819	0.63	2.5
Geo Mean		8.2	728	0.49	1.9
Median		8.2	800	0.55	1.9