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Appendix 1. Analytical methods and detection levels.

Method	Analysis	Units	Reporting Limit
Minerals			
EPA 200 7 (D)	Dissolved Calcium	mg/L	1
EPA 200.7 (D)	Dissolved Sodium	mg/L	1
EPA 200.7 (D)	Dissolved Potassium	mg/L	0.5
EPA200.7 (D)	Dissolved Magnesium	mg/L	1
EPA 300.0 (28d hold)	Dissolved Sulfate	mg/L	1
EPA 300.0 28d Hold	Dissolved Chloride	mg/L	1
EPA 200.7 (D)	Dissolved Boron	mg/L	0.1
Std Method 2320 B	Alkalinity	mg CaCO3/L	0.1
Nutrients			
Std Method 4500-NO3-F Modified	Dissolved Nitrite + Nitrate	mg/L as N	0.05
EPA 350.1	Dissolved Ammonia	mg/L as N	0.02
Std Method 4500-NH3	Total Ammonia	mg/L as N	0.02
EPA 365.1	Dissolved Ortho-phosphate	mg/L as P	0.01
EPA 365.4	Total Phosphorus	mg/L	0.01
Metals			
EPA 1631	Total Mercury	µg/L	0.0002
EPA 1631	Total Methyl Mercury	µg/L	0.005
EPA 1631	Dissolved Methyl Mercury	ug/L	0.005
EPA 1632	Total and Dissolved Arsenic	µg/L	0.004
Std Method 3500-Fe D	Total and Dissolved Iron	µg/L	2.2
EPA 1638	Total and Dissolved Aluminum	µg/L	0.4
EPA 1638	Total and Dissolved Cadmium	µg/L	0.003
EPA 1638	Total and Dissolved Chromium	µg/L	0.03
EPA 1638	Total and Dissolved Copper	µg/L	0.01
EPA 1638	Total and Dissolved Lead	µg/L	0.005
EPA 1638	Total and Dissolved Manganese	µg/L	0.02
EPA 1638	Total and Dissolved Nickel	µg/L	0.01
EPA 1638	Total Selenium	µg/L	0.1
EPA 1638	Total and Dissolved Zinc	µg/L	0.03

Appendix 1. Continued.

Method	Analysis	Units	Reporting Limit
Miscellaneous Parameters			
Std Method 2540 D	Total Suspended Solids (Suspended material)	mg/L	1
Std Method 2540 C	Total Dissolved Solids	mg/L	1
Std Method 2540 F	Settleable Solids (Settleable material)	Mg/L	1
Std Method 2340 B	Hardness	mg/L as CaCO3	1
Std Method 5520	Oil and Grease	mg/L	
Std Method 2550 B 1, 2	Temperature	degree Celcius	0.1
Std Method 4500-O C	Dissolved oxygen	mg/L	0.1
Std Method 4500-H+ B	pH	pH units	0.1
Std Method 2510 B	Conductivity	umhos/cm	0.1
EPA 445.0	Chlorophyll	µg/L	
EPA 600-4-91-002	Toxicity		
Std Method 2120 B	Color	Units	1
Std Method 2150/2160	Taste and Odor	-	-
EPA 415.1 (D)	Dissolved Organic Carbon		
Pathogens			
Std Method 9222 B	Total Coliform bacteria	colonies/100 mL	0
Std Method 9222 D	Fecal Coliform bacteria	colonies/100 mL	0

Appendix 2a. Summary of physical parameter numerical limits for the upper Feather River.

CONCOW CREEK AT JORDAN HILL ROAD (A5-2260.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.6	8.1	157	151	84.0	10.8
Minimum detected	7.4	7.3	85	86	6.0	0.3
Number of samples	28	28	28	28	27	28
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	1[5]	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2

WEST BRANCH FEATHER RIVER NEAR PARADISE (A5-2250)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.1	8.1	126	127	66.0	53.3
Minimum detected	7.9	7.2	31	34	16.0	0.1
Number of samples	23	23	23	23	23	23
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	4[5]	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2

WEST BRANCH FEATHER RIVER UPSTREAM OF LAKE OROVILLE (A5-2350.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12	8.1	111	107	59.0	1.5
Minimum detected	4.9	7.2	35	47	23.0	0.5
Number of samples	6	6	6	6	5	5
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	0

Appendix 2a. Continued.

NORTH FORK FEATHER RIVER UPSTREAM FROM POE POWERHOUSE (A5-3132.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.3	7.9	122	120	63.0	100.0
Minimum detected	7.7	7.4	55	56	26.0	0.3
Number of samples	24	24	24	24	23	24
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3
Basin Plan for Feather River [7]	0	-	0	0	-	-

POE POWERHOUSE DISCHARGE (A5-3931.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	16.7	8.1	113	114	60.0	121.0
Minimum detected	9.4	7.2	54	54	26.0	0.7
Number of samples	24	24	24	24	24	24
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3
Basin Plan for Feather River [7]	0	-	0	0	-	-

FEATHER RIVER MIDDLE FORK NEAR MERRIMAC (A5-5100.00)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.2	8.4	169	171	75.0	23.2
Minimum detected	8.9	7.2	63	64	30.0	0.2
Number of samples	27	27	27	27	27	27
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan for Feather River [7]	0	-	6	6	-	-

Appendix 2a. Continued.

FALL RIVER UPSTREAM OF FEATHER FALLS (A5-5050.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.5	7.9	127	125	30.0	21.4
Minimum detected	8.3	7	28	22	13.0	0.1
Number of samples	28	28	28	28	27	28
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	7 [5]	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan for Feather River [7]	0	-	0	0	-	-

SUCKER RUN CREEK NEAR FORBESTOWN (A5-6075.00)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	14	7.9	158	160	48.0	40.1
Minimum detected	8	7.3	45	46	22.0	0.3
Number of samples	28	28	28	28	27	28
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	4

SOUTH FORK FEATHER RIVER UPSTREAM FROM PONDEROSA RESERVOIR (A5-6110.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	15	7.9	86	86	42.0	37.0
Minimum detected	8.3	7.1	43	46	22.0	0.3
Number of samples	28	28	28	28	27	28
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	4

Appendix 2a. Continued.

MINERS RANCH CANAL (A5-6925.00) AND SOUTH FORK FEATHER RIVER DOWNSTREAM FROM PONDEROSA RESERVOIR (A5-6050.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.6	7.9	56	56	26.0	37.0
Minimum detected	8.3	7	36	38	19.0	0.3
Number of samples	24	24	24	24	23	24
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	5
Secondary MCL[1]	-	0	0	0	-	5
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	2[5]	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	6

Footnotes

1. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
2. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 1. 2001. EPA 822-B-01-012
5. Chronic (4 day average)
6. Acute (1 hr average)
7. The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley Region, Fourth edition. The Sacramento River Basin and the San Joaquin River Basin. Central Valley Regional Water Quality Control Board. Sacramento, California.
8. Waters designated WARM (not <5.0 mg/L)
9. Waters designated COLD/SPAWN (not <7.0 mg/L)

Appendix 2b. Summary of physical parameter numerical limits for Lake Oroville.

Lake Oroville North Fork Sfc (A5R93761296)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi Depth (m)
Maximum detected	11.5	8.5	114	106	52.0	4.7	5.6
Minimum detected	6.5	7.2	71	71	39.0	0.5	1.8
Number of samples	29	22	23	20	17	19	16
Number of samples exceeding criteria or objectives							-
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	11
Basin Plan for the Feather River [7]	3 [9]	-	-	-	-	-	-

Lake Oroville North Fork Btm (A5R93761296)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.9	7.6	114	99	48.0	28.4
Minimum detected	0	6.8	79	82	38.0	0.4
Number of samples	28	23	22	18	10	17
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	1 [8,9]	-	-	-	-	-

Lake Oroville Middle Fork Sfc (A5R93351272)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi Depth (m)
Maximum detected	11.4	8.3	113	115	52.0	5.2	9.5
Minimum detected	5.9	6.6	68	69	39.0	0.4	0.3
Number of samples	29	23	23	20	17	20	21
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	1	-
Secondary MCL[1]	-	0	0	0	-	1	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	13
Basin Plan for the Feather River [7]	1 [8,9]	0	-	-	-	-	-

Appendix 2b. Continued.

Lake Oroville Middle Fork Btm (A5R93351272)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.3	7.8	92	96	46.0	7.6
Minimum detected	4.9	6.3	75	72	37.0	0.5
Number of samples	29	20	19	19	15	18
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	1 [8], 6 [9]	-	-	-	-	-

Lake Oroville South Fork Sfc (A5R93221226)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi Depth (m)
Maximum detected	11.7	8.3	106	92	47.0	14.0	10.5
Minimum detected	6.5	7.3	64	61	35.0	0.4	0.3
Number of samples	28	22	23	19	18	18	21
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	3	-
Secondary MCL[1]	-	0	0	0	-	3	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	16
Basin Plan for the Feather River [7]	1 [9]	-	-	-	-	-	-

Lake Oroville South Fork Btm (A5R93221226)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	10.7	7.9	103	94	45.0	31.0
Minimum detected	1.0	6.5	55	69	30.0	0
Number of samples	26	23	20	19	18	19
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	7
Secondary MCL[1]	-	0	0	0	-	7
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	3 [8], 12 [9]	-	-	-	-	-

Appendix 2b. Continued.

Lake Oroville Main Body Sfc (A5R93401274)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi Depth (m)
Maximum detected	10.9	8.3	109	104	49.0	4.0	8.0
Minimum detected	7.5	7.3	71	67	38.0	0.4	1.8
Number of samples	29	23	22	15	15	16	10
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	7
Basin Plan for the Feather River [7]	0	-	-	-	-	-	-

Lake Oroville Main Body Btm (A5R93401274)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.2	7.8	113	98	47.0	6.1
Minimum detected	6.9	6.5	78	74	42.0	0.5
Number of samples	21	18	18	12	9	12
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	1 [9]	-	-	-	-	-

Lake Oroville At Dam Sfc (A5R93251286)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi Depth (m)
Maximum detected	11.0	8.4	109	105	50.0	4.0	11.6
Minimum detected	6.4	7.3	72	79	38.0	0.4	2.3
Number of samples	30	25	23	21	18	18	17
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	10
Basin Plan for the Feather River [7]	1 [9]	-	-	-	-	-	-

Appendix 2b. Continued.

Lake Oroville At Dam Mid (A5R93251286)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	9.5	7.4	112	96	45.0	2.9
Minimum detected	7	6.9	8	83	39.0	0.3
Number of samples	15	17	14	15	11	12
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	0	-	-	-	-	-

Lake Oroville At Dam Btm (A5R93251286)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.7	7.8	112	105	50.0	3.8
Minimum detected	0.7	6.9	78	82	42.0	0.4
Number of samples	29	21	20	18	13	15
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
Basin Plan for the Feather River [7]	1 [8], 4[9]	-	-	-	-	-

Footnotes

1. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
2. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 2. 2001. EPA 822-B-01-012
5. Chronic (4 day average)
6. Acute (1 hr average)
7. The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley Region, Fourth edition. The Sacramento River Basin and the San Joaquin River Basin. Central Valley Regional Water Quality Control Board. Sacramento, California.
8. Water designated WARM (<5.0 mg/L)
9. Water designated COLD/SPAWN (<7.0 mg/L)

Appendix 2c. Summary of physical parameter numerical limits for the lower Feather River.

Oroville Diversion Pool US PP Sfc (A5R93191294)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	13.0	7.7	96	103	48	4.6	5.6
Minimum detected	8.0	6.8	60	76	38	0.3	2.6
Number of samples	27	24	23	23	22	23	3
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	0	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-	-

Oroville Diversion Pool US PP Btm (A5R93191294)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	10.8	7.4	86	92	45	0.9
Minimum detected	8.1	7.0	81	92	45	0.9
Number of samples	5	4	3	1	1	1
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Oroville Diversion Pool DS PP Sfc (A5R93191297)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	12.9	7.7	93	96	45	5.3	3.5
Minimum detected	8.7	6.8	60	71	37	0.5	2.4
Number of samples	21	17	18	14	15	15	2
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	1	-
Secondary MCL[1]	-	0	0	0	-	1	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan[7]	0	-	-	-	-	-	-

Appendix 2c. Continued.

Oroville Diversion Pool DS PP Btm (A5R93191297)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	10.9	7.3	79	-	-	-
Minimum detected	9.3	7.2	76	-	-	-
Number of samples	4	2	2	0	0	0
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan[7]	0	-	-	-	-	-

Glen C US Glen Pd (A5-3050)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.5	8.4	263	268	120	49.1
Minimum detected	7.4	7.2	122	121	59	0.7
Number of samples	23	23	22	23	21	22
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	5
Secondary MCL[1]	-	0	0	0	-	5
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Glen Pond (A5L93221307)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	13.5	8.4	247	253	109	21.3	0.7
Minimum detected	8.7	6.9	100	104	43	1.4	0.7
Number of samples	24	24	24	21	20	21	1
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	9	-
Secondary MCL[1]	-	0	0	0	-	9	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan[7]	0	-	-	-	-	-	-

Appendix 2c. Continued.

Morris Ravine A Mouth (A5-1850)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.0	8.1	597	582	322	99.7
Minimum detected	8.0	7.3	189	98	47	0.8
Number of samples	9	9	8	8	10	8
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Oroville Diversion Pool US Dam Sfc (A5R93191326)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	12.7	7.7	106	107	46	8.0	7.7
Minimum detected	7.4	6.8	63	74	36	0.5	1.3
Number of samples	27	26	27	22	20	29	23
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	2	-
Secondary MCL[1]	-	0	0	0	-	2	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan[7]	0	-	-	-	-	-	-

Oroville Diversion Pool US Dam Btm (A5R93191326)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.6	7.9	106	106	45	5.8
Minimum detected	7.0	6.6	62	71	37	0.7
Number of samples	25	25	24	23	20	20
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Appendix 2c. Continued.

Feather R A Oroville (A5-1800.00)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.5	7.7	194	102	50	23.1
Minimum detected	7.9	6.9	73	58	38	0.5
Number of samples	30	30	30	30	28	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan[7]	0	0	1	0	-	-

Feather R US Hatchery (A5-1789.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.9	7.5	104	100	50	20.5
Minimum detected	9.3	7	74	59	37	0.4
Number of samples	31	31	31	31	29	31
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan[7]	0	0	0	0	-	-

Feather R Hatchery Settling Pond (A5R93101333)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.7	7.5	398	436	52	34.2
Minimum detected	7.7	6.9	74	23	35	0.5
Number of samples	27	27	27	27	26	27
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	4
Basin Plan[7]	0	0	1	1	-	-

Appendix 2c. Continued.

Feather R DS Hatchery (A5-1780.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13	7.5	151	108	50	9.4
Minimum detected	5.4	6.8	76	23	38	0.5
Number of samples	30	30	30	29	28	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	5
Basin Plan[7]	1[9,10]	0	1	0	-	-

Feather R DS HWY 162 (A5-1740.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12	7.5	111	106	52	8.2
Minimum detected	8.4	7.1	79	61	40	0.6
Number of samples	30	30	30	30	28	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3
Basin Plan[7]	0	0	0	0	-	-

Oroville Fishing Pond (A5L92951347)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	13.5	8.7	395	386	182.0	12.0	2.8
Minimum detected	4.4	7.4	340	315	146.0	1.3	0.4
Number of samples	36	26	26	26	23	21	28
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	7	-
Secondary MCL[1]	-	0	0	0	-	7	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-

Appendix 2c. Continued.

Robinson Riffle Pond (A5L92821359)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	13.5	9.0	388	313	162.0	47.5	2.3
Minimum detected	0.4	6.8	125	129	59.0	1.2	0
Number of samples	35	25	25	24	21	23	12
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	14	-
Secondary MCL[1]	-	1	0	0	-	14	-
Agricultural Goal[2]	-	1	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-

Feather R A Robinson Riffle (A5-1712.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.1	8.1	114	107	50	23.1
Minimum detected	7.6	7	80	62	37	0.4
Number of samples	30	30	30	30	28	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3
Basin Plan[7]	1[10]	0	0	0	-	-

Upper Pacific Heights Pond (A5L92771367)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	12.5	8.1	106	106	50.0	6.9	5.5
Minimum detected	0.4	7.2	85	84	42.0	0.3	2.6
Number of samples	37	27	27	26	23	26	30
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	8	-

Appendix 2c. Continued.

Feather R US from Afterbay Outlet (A5-1695.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	14.8	8.1	109	104	50	11.4
Minimum detected	8.7	7.2	80	65	40	0.6
Number of samples	31	30	30	30	29	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3
Basin Plan[7]	0	0	0	0	-	-

Thermalito Forebay Creek, N Sfc (A5-5185)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.7	8.4	360	166	86	40.3
Minimum detected	7.8	6.8	66	68	32	0.9
Number of samples	22	22	22	22	22	22
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	5
Secondary MCL[1]	-	0	0	0	-	5
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Thermalito Forebay, North Sfc (A5R93161366)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	11.5	7.7	94	101	53	6.7	6.3
Minimum detected	8.5	6.8	66	61	34	0.4	1.2
Number of samples	27	27	27	25	25	25	23
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	1	-
Secondary MCL[1]	-	0	0	0	-	1	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-	-

Appendix 2c. Continued.

Thermalito Forebay, North Btm (A5R93161366)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	10.8	7.6	94	101	52	8.1
Minimum detected	8.1	6.8	59	61	36	0.3
Number of samples	27	27	27	25	24	26
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Thermalito Forebay, South Sfc (A5R93111370)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	11.4	8.1	94	100	52	4.1	6
Minimum detected	8.9	6.8	65	66	36	0.3	1.2
Number of samples	26	26	26	24	26	24	24
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-	-

Thermalito Forebay, South Btm (A5R93111370)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.0	7.8	94	100	52	6.3
Minimum detected	8.3	6.8	63	65	35	0.5
Number of samples	25	26	26	24	24	24
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Appendix 2c. Continued.

Thermalito Afterbay, North Sfc (A5R93011411)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	12.0	8.2	94	99	51.0	5.2	5
Minimum detected	8.8	6.8	66	64	34.0	0.5	1.1
Number of samples	26	26	26	26	26	26	24
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	1	-
Secondary MCL[1]	-	0	0	0	-	1	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-	-

Thermalito Afterbay, North Btm (A5R93011411)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.4	7.9	94	101	52.0	3.8
Minimum detected	6.4	6.8	66	66	37.0	0.6
Number of samples	26	26	26	26	26	26
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	0
Secondary MCL[1]	-	0	0	0	-	0
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	2[8]	-	-	-	-	-

Thermalito Afterbay, South Sfc (A5R92921412)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	10.9	8.1	93	100	52	5.1	5.3
Minimum detected	8.1	7.1	66	66	35	0.5	1.2
Number of samples	26	26	26	26	26	26	24
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	1	-
Secondary MCL[1]	-	0	0	0	-	1	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-	-

Appendix 2c. Continued.

Thermalito Afterbay, South Btm (A5R92921412)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.6	7.9	93	100	52	25.9
Minimum detected	8.1	7.2	66	65	37	0.7
Number of samples	26	26	26	26	26	26
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-
Basin Plan [7]	0	-	-	-	-	-

Afterbay Outlet Canal to Feather R (A5C92751383)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.6	8.1	125	97	49	10.0
Minimum detected	9.2	6.3	68	60	38	1.2
Number of samples	28	29	29	28	27	26
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	5
Secondary MCL[1]	-	1	0	0	-	5
Agricultural Goal[2]	-	1	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	1	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	10
Basin Plan[7]	0	1	0	0	-	-

Feather R DS from Afterbay Outlet (A5-1687.70)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.9	8.1	104	99	50	7.1
Minimum detected	9.7	7.2	75	61	39	0.8
Number of samples	31	30	30	30	29	31
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	4
Secondary MCL[1]	-	0	0	0	-	4
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	6
Basin Plan[7]	0	0	0	0	-	-

Appendix 2c. Continued.

Feather R DS from SCOR Outlet (A5-1687.20)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.8	8.1	118	105	48	5.6
Minimum detected	9.5	7.1	62	62	39	1.1
Number of samples	28	30	29	28	28	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	2
Secondary MCL[1]	-	0	0	0	-	2
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan[7]	0	0	0	0	-	-

Mile Long Pond - Sfc (A5L92541377)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	16.7	8.1	113	114	60.0	121.0	4.4
Minimum detected	9.4	7.2	54	54	26.0	0.7	0.6
Number of samples	24	24	24	24	24	24	29
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	3	-
Secondary MCL[1]	-	0	0	0	-	3	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3	-

Mile Long Pond - Btm (A5L92541377)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.2	8.4	169	171	75.0	23.2
Minimum detected	8.9	7.2	63	64	30.0	0.2
Number of samples	27	27	27	27	27	27
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2

Appendix 2c. Continued.

Feather R NR Mile Long Pond (A5-1662.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	14.5	8.3	104	100	52	6.2
Minimum detected	9.7	7.2	78	60	38	0.7
Number of samples	30	30	29	30	28	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	2
Basin Plan[7]	0	0	0	0	-	-

Sees Pond - SFC (A5L92571372)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	8.0	7.3	270	266	142	32.5	3.2
Minimum detected	0.6	6.8	162	151	108	0.5	0.2
Number of samples	35	22	22	24	6	23	27
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	0	-
Secondary MCL[1]	-	0	0	0	-	0	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	0	-

Lower Pacific Heights Pond (A5L92551372)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU	Secchi depth (m)
Maximum detected	13.3	7.9	122	120	63.0	100.0	3.5
Minimum detected	7.7	7.4	55	56	26.0	0.3	1.1
Number of samples	24	24	24	24	23	24	29
Number of samples exceeding criteria or objectives							
Primary MCL[1]	-	-	-	-	-	3	-
Secondary MCL[1]	-	0	0	0	-	3	-
Agricultural Goal[2]	-	0	0	0	-	-	-
NAWQC[3] Humans	-	0	-	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	3	-

Appendix 2c. Continued.

Feather R DS from Project Boundary (A5-1645.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13	8.2	107	104	51	9.2
Minimum detected	6.5	7.1	76	60	39	0.9
Number of samples	30	31	31	30	29	31
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	3
Secondary MCL[1]	-	0	0	0	-	3
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	4
Basin Plan[7]	1[10]	0	0	0	-	-

Feather R at Singh AB Riviera Rd, (A5-1556.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	12.8	8.1	122	116	57	5.2
Minimum detected	6.8	7	80	62	40	0.9
Number of samples	28	29	28	29	28	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	1
Secondary MCL[1]	-	0	0	0	-	1
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	5
Basin Plan[7]	1[10]	0	0	0	-	-

Honcut C at Pacific Ranch NR Palermo (A5-7010.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.4	7.9	339	328	100	48.3
Minimum detected	2.3	7	83	81	33	1.1
Number of samples	28	28	28	29	27	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	16
Secondary MCL[1]	-	0	0	0	-	16
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	17
Basin Plan[7]	-	0	-	-	-	-

Appendix 2c. Continued.

Feather R A Archer Ave. (A5-1516.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.2	7.5	120	113	53	33.6
Minimum detected	8.7	7.1	79	67	36	1
Number of samples	29	29	28	29	28	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	7
Secondary MCL[1]	-	0	0	0	-	7
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	10
Basin Plan[7]	0	0	0	0	-	-

Feather R US from Yuba R (A5-1425.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.6	7.5	118	117	54	63.4
Minimum detected	8.6	7.1	72	65	34	1.2
Number of samples	30	30	29	30	29	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	12
Secondary MCL[1]	-	0	0	0	-	12
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	15
Basin Plan[7]	0	0	0	0	-	-

Yuba R at Mouth (A6-1010.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	14.2	7.4	128	117	49	17.2
Minimum detected	8.4	7.1	76	60	36	0.5
Number of samples	30	30	29	30	29	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	8
Secondary MCL[1]	-	0	0	0	-	8
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	9
Basin Plan[7]	-	0	-	-	-	-

Appendix 2c. Continued.

Feather R at Shanghai Bend (A5-1389.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.2	7.5	112	112	54	70.1
Minimum detected	8.9	7.2	76	61	33	1.6
Number of samples	30	29	29	30	29	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	13
Secondary MCL[1]	-	0	0	0	-	13
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	18
Basin Plan[7]	0	0	0	0	-	-

Bear R near Mouth (A6-5010.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.4	7.5	236	233	81	58
Minimum detected	6.7	6.8	84	83	31	2.2
Number of samples	28	29	28	29	28	29
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	28
Secondary MCL[1]	-	0	0	0	-	28
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	28
Basin Plan[7]	-	0	-	-	-	-

Feather R near Verona (A5-1010.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	13.4	7.5	141	117	55	60.0
Minimum detected	8.5	7.1	76	61	35	1.7
Number of samples	30	30	28	30	29	30
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	16
Secondary MCL[1]	-	0	0	0	-	16
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	19
Basin Plan[7]	0	0	0	0	-	-

Appendix 2c. Continued.

Sacramento R US from Feather R (A0-2157.50)

	Dissolved Oxygen (ppm)	pH units	Conductivity (field) umhos/cm	Conductivity (lab) umhos/cm	Alkalinity mg/L	Turbidity NTU
Maximum detected	11.8	8	244	237	109	214
Minimum detected	8	6.7	95	94	37	1.8
Number of samples	28	28	27	28	27	28
Number of samples exceeding criteria or objectives						
Primary MCL[1]	-	-	-	-	-	26
Secondary MCL[1]	-	0	0	0	-	26
Agricultural Goal[2]	-	0	0	0	-	-
NAWQC[3] Humans	-	0	-	-	-	-
NAWQC[3] Aquatic Life	-	0	-	-	0	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	27
Basin Plan[7]	0	0	0	0	-	-

Footnotes

1. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
2. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 1. 2001. EPA 822-B-01-012
5. Chronic (4 day average)
6. Acute (1 hr average)
7. The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley Region, Fourth edition. The Sacramento River Basin and the San Joaquin River Basin. Central Valley Regional Water Quality Control Board. Sacramento, California.
8. For Waters designated WARM (not <5.0 mg/L).
9. For Waters designated COLD/SPAWN (not <7.0 mg/L).
10. For the Feather River from Fish Barrier Dam at Oroville to Honcut Creek (September 1 to May 31) (not <8.0 mg/L).

Appendix 3a-1. Summary of nutrient numerical limits for the Upper Feather River (mg/L).

CONCOW CREEK AT JORDAN HILL ROAD (A5-2260.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.24	0.02	0.15	0.02	0.5	4.5	2.6
Minimum detected	<0.10	<0.01	0.1	<0.01	<0.01	1.0	1.0
Number of samples	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	11	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

WEST BRANCH FEATHER RIVER NEAR PARADISE (A5-2600.00)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.11	0.01	1.55	0.06	0.13	3.2	5.5
Minimum detected	<0.1	<0.01	<0.01	<0.01	0.01	0.4	0.7
Number of samples	23	23	23	23	23	23	23
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	12	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

WEST BRANCH FEATHER RIVER UPSTREAM OF LAKE OROVILLE (A5-2350.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected		<0.02	0.01	<0.1	0.06	2.5	1.0
Minimum detected		<0.01	<0.05	<0.01	<0.01	0.9	0.7
Number of samples	0	4	4	4	5	3	3
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	-	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	2	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Appendix 3a-1. Continued.

NORTH FORK FEATHER RIVER UPSTREAM FROM POE POWERHOUSE (A5-3132.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.17	0.02	0.17	0.02	0.26	18.9	3.8
Minimum detected	<0.1	<0.01	<0.01	<0.01	<0.01	1.2	0.9
Number of samples	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	12	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

POE POWERHOUSE DISCHARGE (A5-3931.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	0.16	0.02	0.26	15.0	4.3
Minimum detected	<0.082	<0.01	<0.01	<0.01	0.01	1.2	1.1
Number of samples	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	16	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

FEATHER RIVER MIDDLE FORK NEAR MERRIMAC (A5-5100.00)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.17	0.03	0.71	0.01	0.09	6.2	3.4
Minimum detected	<0.10	<0.01	<0.01	<0.01	<0.01	1	0.6
Number of samples	27	27	27	27	27	27	27
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	13	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Appendix 3a-1. Continued.

SOUTH FORK FEATHER RIVER UPSTREAM FROM PONDEROSA RESERVOIR (A5-6110.50)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.1	<0.01	0.07	0.01	0.10	9.3	4.1
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	0.7	0.5
Number of samples	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	13	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

MINERS RANCH CANAL(A5-6925.00) AND SOUTH FORK FEATHER RIVER DOWNSTREAM FROM PONDEROSA RESERVOIR(A5-6050.50)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.1	0.01	0.03	0.01	0.04	3.5	1.8
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	0.7	0.5
Number of samples	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	9	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

SUCKER RUN CREEK NEAR FORBESTOWN (A5-6075.00)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	0.02	0.1	0.02	0.07	12.6	5.2
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	0.6	0.6
Number of samples	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	0	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	16	-	-
USEPA Draft Health Advisory [5]	-	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Appendix 3a-1. Continued.

FALL RIVER UPSTREAM OF FEATHER FALLS (A5-5050.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.09	0.01	0.02	0.05	0.17	7.1	2.5
Minimum detected	<0.10	<0.01	<0.01	<0.01	0.01	0.6	0.4
Number of samples	28	28	28	28	27	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	19	-	-
USEPA Draft Health Advisory[5]	-	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Footnotes

1. J.E. Amoore and E. Hautala. Odor as an aid to chemical safety: Odor thresholds compared with threshold limit values and volatilities for 214 industrial chemicals in air and water dilution. Journal of Applied Toxicology, 3(6):272-290. 1983
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 1. 2001. EPA 822-B-01-012
5. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
6. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment, Public Health Goals for Chemicals in Drinking Water (various dates), http://www.oehha.org/water.phg/.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3a-2. Summary of nutrient numerical limits for Lake Oroville (mg/L).

Lake Oroville North Fork Sfc (A5R93761296)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	0.2	0.04	1.0	2.9	4.8
Minimum detected	<0.01	<0.08	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	19	22	23	23	23	23	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville North Fork Btm (A5R93761296)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	3.32	0.03	0.80	2.9	12.7
Minimum detected	<0.08	<0.01	<0.1	<0.01	<0.01	1.2	1
Number of samples	19	19	22	21	21	21	21
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville Middle Fork Sfc (A5R93351272)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	0.32	0.01	0.25	2.6	8.8
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.1	1.2
Number of samples	20	25	25	25	25	25	25
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-2. Continued.

Lake Oroville Middle Fork Btm (A5R93351272)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	<0.02	0.3	0.02	0.04	2.8	4.8
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.1	1.1
Number of samples	20	24	24	24	24	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville South Fork Sfc (A5R93221226)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	0.1	0.06	0.02	0.10	2.6	3.1
Minimum detected	<0.08	<0.01	0.01	<0.01	<0.01	1.2	1.2
Number of samples	20	24	23	24	23	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	2	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville South Fork Btm (A5R93221226)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	0.02	0.21	0.05	1.00	2.2	2.5
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.1	1
Number of samples	20	23	23	23	23	23	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-2. Continued.

Lake Oroville Main Body Sfc (A5R93401274)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	0.14	0.04	0.38	0.01	0.03	4.7	14.9
Minimum detected	<0.08	<0.01	<0.01	<0.01	0.01	1.3	1.2
Number of samples	19	24	24	24	24	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville Main Body Btm (A5R93401274)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	0.15	0.02	2.7	0.17	0.26	2.7	14.8
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.2	0.9
Number of samples	20	23	23	23	23	23	22
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	2	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville At Dam Sfc (A5R93251286)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.25	0.02	0.1	0.02	0.13	3.0	14.6
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	18	23	23	23	23	23	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-2. Continued.

Lake Oroville At Dam Mid (A5R93251286)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	0.01	0.2	0.04	0.30	3.0	10.5
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1.1	1.1
Number of samples	18	20	22	22	22	22	22
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	1	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lake Oroville At Dam Btm (A5R93251286)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	<0.10	0.02	0.2	0.02	0.08	3.0	11.3
Minimum detected	<0.08	<0.01	<0.01	<0.01	<0.01	1	1.1
Number of samples	18	22	22	22	22	22	22
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Footnotes

1. J.E. Amoore and E. Hautala. Odor as an aid to chemical safety: Odor thresholds compared with threshold limit values and volatilities for 214 industrial chemicals in air and water dilution. Journal of Applied Toxicology, 3(6):272-290. 1983
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 1. 2001. EPA 822-B-01-012
5. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
6. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment, Public Health Goals for Chemicals in Drinking Water (various dates), http://www.oehha.org/water.phg/.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3a-3. Summary of nutrient numerical limits for the Lower Feather River (mg/L).

Thermalito Diversion Pool US of Power Plant (A5R93191294)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.14	<0.1	1.21	0.1	0.24	2.4	2.4
Minimum detected	<0.082	<0.01	0.02	<0.01	<0.01	1.1	1
Number of samples	25	26	26	26	26	25	25
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito Diversion Pool DS of Power Plant (A5R93191297)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.15	0.02	2.28	0.01	0.03	2.4	3.2
Minimum detected	<0.10	<0.01	0.03	<0.01	<0.01	1.1	1.3
Number of samples	14	14	14	14	14	14	14
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Glen C US from Glen Pond (A5-3050)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.17	0.02	2.2	0.15	0.80	13.2	9.3
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.2	1.1
Number of samples	19	26	27	27	27	25	25
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Glen Pond (A5L93221307)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.14	0.03	2	0.23	0.10	13.4	8.9
Minimum detected	<0.082	<0.01	<0.01	<0.01	0.02	1.9	1.5
Number of samples	20	26	27	27	27	26	26
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Morris Ravine at Mouth (A5-1850)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.11	0.04	0.7	0.12	0.21	8.7	4.6
Minimum detected	<0.10	<0.01	0.03	<0.01	0.02	1.6	1
Number of samples	10	12	12	12	12	12	12
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito Diversion Pool US of Dam Surface (A5R93191326)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.1	0.01	0.58	0.14	0.45	3.1	3.2
Minimum detected	<0.082	<0.01	0.02	<0.01	<0.01	1	1
Number of samples	21	24	26	26	26	25	25
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Thermalito Diversion Pool US of Dam BOTTOM (A5R93191326)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.11	0.01	0.2	0.11	0.11	3.2	2.6
Minimum detected	<0.082	<0.01	0.02	<0.01	<0.01	1.2	1
Number of samples	21	24	25	25	25	25	25
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R A Oroville (A5-1800.00)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.24	0.02	0.2	0.01	1.80	3.6	2.2
Minimum detected	<0.02	<0.01	0.02	<0.01	<0.01	1.4	1
Number of samples	30	29	30	30	30	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R US Hatchery (A5-1789.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.02	0.2	0.02	0.07	2.9	2.2
Minimum detected	<0.02	<0.01	0.02	<0.01	<0.01	1.4	1
Number of samples	30	30	31	31	31	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Feather R Hatchery Settling Pond (A5R93101333)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.4	0.3	0.3	0.12	0.18	4.2	2.5
Minimum detected	<0.02	0.02	0.02	<0.01	0.02	1.4	1.1
Number of samples	26	26	27	27	27	27	27
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R DS Hatchery (A5-1780.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.15	0.49	0.06	1.71	2.7	2.2
Minimum detected	<0.02	<0.01	0.1	<0.01	0.02	1.3	0.9
Number of samples	30	29	30	30	30	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R DS HWY 162 (A5-1740.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.05	0.2	0.02	0.10	12.0	2.2
Minimum detected	<0.02	<0.01	0.01	<0.01	<0.01	1.2	1.1
Number of samples	30	29	30	30	30	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Oroville Fishing Pond (A5L92951347)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.25	0.16	1.5	0.06	0.2	12.3	6.7
Minimum detected	<0.08	<0.01	<0.01	<0.01	0.02	3.0	2.4
Number of samples	24	24	24	24	24	23	23
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Feather R A Robinson Riffle (A5-1712.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.09	0.39	0.06	0.08	3.1	2.5
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.2	1.1
Number of samples	30	29	30	30	30	27	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Robinson Riffle Pond (A5L92821359)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.04	0.12	0.01	0.51	39.8	6.7
Minimum detected	<0.08	<0.01	<0.01	<0.01	0.02	3.2	2.7
Number of samples	24	24	24	24	24	23	23
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Upper Pacific Heights Pond (A5L92771367)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	0.13	0.1	0.09	<0.1	0.70	2.7	1.9
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.5	1.1
Number of samples	24	24	24	24	24	23	23
Number of samples exceeding criteria or objectives							
Tastes and odors [1]	-	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Feather R US from Afterbay Outlet (A5-1695.50)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	0.1	0.07	0.24	0.03	0.45	3.3	3.0
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	30	30	31	31	31	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

North Forebay C (A5-5185)

	Ammonia T	Ammonia D	Nitrate + Nitrite D	Ortho-phosphate D	Phosphorus T	Organic Carbon T	Organic Carbon D
Maximum detected	0.13	0.02	0.72	0.07	0.28	10.4	7.5
Minimum detected	<0.082	<0.01	<0.01	<0.01	0.02	1.3	1
Number of samples	18	20	19	20	19	20	19
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory [5]	0	-	-	-	-	-	-
California Public Health Goal [6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Thermalito N Forebay Surface (A5R93161366)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.01	2	0.13	0.19	4.0	3.1
Minimum detected	<0.082	<0.01	0.01	<0.01	<0.01	1.1	1.1
Number of samples	19	24	25	25	25	24	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito N Forebay Bottom (A5R93161366)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.16	<0.02	0.44	0.01	0.40	4.4	3.8
Minimum detected	<0.082	<0.01	0.02	<0.01	<0.01	1.1	1
Number of samples	19	23	24	24	23	24	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito S Forebay Surface (A5R93111370)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.01	0.8	0.01	0.31	2.5	2.1
Minimum detected	<0.082	<0.01	0.01	<0.01	<0.01	1.2	1.2
Number of samples	19	24	25	25	25	24	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Thermalito S Forebay Bottom (A5R93111370)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.01	0.2	0.29	0.08	2.5	2.0
Minimum detected	<0.082	<0.01	0.01	<0.01	<0.01	1.2	1
Number of samples	20	22	24	24	22	23	22
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito N Afterbay Surface (A5R93011411)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	1.27	0.02	0.07	3.5	2.0
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	20	24	24	24	25	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito N Afterbay Bottom (A5R93011411)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.01	0.48	0.02	0.35	2.6	2.2
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	21	24	24	24	23	24	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Thermalito S Afterbay Surface (A5R92921412)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.01	3.4	0.02	0.25	2.4	2.4
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.2	1
Number of samples	20	24	24	24	23	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Thermalito S Afterbay Bottom (A5R92921412)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.01	0.65	0.09	0.03	2.3	2.5
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.3	1
Number of samples	20	24	24	24	23	24	24
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Afterbay Outlet Canal to Feather R (A5C92751383)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	<0.10	0.02	0.09	0.02	0.51	3.3	2.8
Minimum detected	<0.082	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	17	28	28	28	27	27	26
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Feather R DS from Afterbay Outlet (A5-1687.70)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.03	0.2	0.01	0.70	2.7	2.2
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.3	1
Number of samples	30	30	31	31	31	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R DS from SCOR Outlet (A5-1687.20)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.4	0.13	0.24	0.07	0.16	2.9	2.0
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.3	1.1
Number of samples	30	30	30	30	30	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Lower Pacific Heights Pond (A5L92551372)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.52	0.01	0.02	0.02	0.05	6.7	4.9
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	3.2	3.0
Number of samples	24	24	23	24	24	23	23
Number of samples exceeding criteria or objectives							
Tastes and odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Mile Long Pond Surface (A59L92541377)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.23	<0.2	0.19	0.02	0.20	3.8	3.0
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	2.0	1.3
Number of samples	23	24	24	24	24	23	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	-	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Mile Long Pond Bottom (A59L92541377)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.20	0.01	0.2	0.11	5.0	2.7
Minimum detected	<0.02	<0.01	<0.01	<0.01	0.01	2.0	1.3
Number of samples	23	24	24	24	23	23	23
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	-	-	-
USEPA Draft Health Advisory[5]	-	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R NR Mile Long Pond (A5-1662.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.1	0.04	0.2	0.14	0.11	2.5	2.8
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.2	0.8
Number of samples	30	29	30	30	30	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Feather R DS from Project Boundary (A5-1645.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.63	0.07	0.2	0.04	0.11	2.8	2.2
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	1.2	1.1
Number of samples	30	30	31	31	31	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R at Singh AB Riviera Rd, (A5-1556.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.05	0.2	0.03	0.12	2.9	3.1
Minimum detected	<0.02	<0.01	0.01	<0.01	<0.01	1.2	1
Number of samples	28	28	29	29	29	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Honcut C at Pacific Ranch NR Palermo (A5-7010.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.1	0.1	0.56	0.06	0.21	11.6	9.5
Minimum detected	<0.02	<0.01	0.02	<0.01	<0.01	1	1
Number of samples	28	28	29	29	29	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Feather R A Archer Ave. (A5-1516.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.12	0.05	1.7	0.03	0.80	5.5	4.0
Minimum detected	<0.02	<0.01	0.01	<0.01	<0.01	1.2	1.1
Number of samples	29	28	29	29	29	27	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R US from Yuba R (A5-1425.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.06	1.14	0.03	0.14	7.5	4.8
Minimum detected	<0.02	<0.01	0.01	<0.01	0.02	1.4	1.1
Number of samples	29	29	30	30	30	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Yuba R at Mouth (A6-1010.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.15	0.09	0.2	0.03	0.08	3.6	2.4
Minimum detected	<0.02	<0.01	<0.01	<0.01	<0.01	0.8	0.7
Number of samples	29	29	30	30	30	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Feather R at Shanghai Bend (A5-1389.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.1	0.06	0.28	0.04	0.19	7.5	4.7
Minimum detected	<0.02	<0.01	<0.01	<0.01	0.02	1.4	1.1
Number of samples	29	29	29	30	30	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Bear R near Mouth (A6-5010.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.08	0.58	0.07	0.28	14.3	9.2
Minimum detected	<0.02	<0.01	<0.01	<0.01	0.03	2	2
Number of samples	29	28	28	29	29	28	28
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Feather R near Verona (A5-1010.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.2	0.06	0.28	0.06	0.12	7.2	4.0
Minimum detected	<0.02	<0.01	<0.1	<0.1	<0.2	1.3	1.1
Number of samples	29	29	30	30	30	29	29
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Appendix 3a-3. Continued.

Sacramento R US from Feather R (A0-2157.50)

	Ammonia		Nitrate + Nitrite	Ortho-phosphate	Phosphorus	Organic Carbon	
	T	D	D	D	T	T	D
Maximum detected	0.1	0.03	0.47	0.3	0.24	8.1	5.0
Minimum detected	<0.02	<0.01	<0.1	<0.1	<0.2	1.3	1.1
Number of samples	28	27	28	28	28	27	27
Number of samples exceeding criteria or objectives							
Tastes and Odors[1]	0	-	-	-	-	-	-
Primary MCL[2]	-	-	0	-	-	-	-
NAWQC[3] Aquatic Life	0	-	-	-	-	-	-
USEPA Recommended Ecoregional Nutrient Criteria[4]	-	-	-	-	0	-	-
USEPA Draft Health Advisory[5]	0	-	-	-	-	-	-
California Public Health Goal[6]	-	-	0	-	-	-	-

Footnotes

1. J.E. Amoore and E. Hautala. Odor as an aid to chemical safety: Odor thresholds compared with threshold limit values and volatilities for 214 industrial chemicals in air and water dilution. Journal of Applied Toxicology, 3(6):272-290. 1983
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
4. U.S. Environmental Protection Agency, Ambient Water Quality Criteria Recommendations for both Rivers and Streams in Ecoregion 1. 2001. EPA 822-B-01-012
5. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
6. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment, Public Health Goals for Chemicals in Drinking Water (various dates), http://www.oehha.org/water.phg/.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3b-1. Summary of mineral numerical limits for the Upper Feather River (mg/L).

CONCOW CREEK AT JORDAN HILL ROAD (A5-2260.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	14	14	3	0.7	2	2	<0.1	78	78
Minimum detected	4	4	8	8	2	<0.5	<1	<1	<0.1	43	43
Number of samples	28	28	28	28	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

WEST BRANCH FEATHER RIVER NEAR PARADISE (A5-2600.00)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	8	8	4	0.9	2	2	<0.1	58	58
Minimum detected	3	2	2	2	1	<0.5	<1	<1	<0.1	16	13
Number of samples	23	23	23	23	23	23	23	23	23	23	23
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

WEST BRANCH FEATHER RIVER UPSTREAM OF LAKE OROVILLE (A5-2350.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	9	6	8	4	0.9	2	<1	<0.1	47	50
Minimum detected	4	4	2	2	2	<0.5	<1	<1	<0.1	18	18
Number of samples	4	4	4	4	4	4	4	4	4	4	4
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-1. Continued.

NORTH FORK FEATHER RIVER UPSTREAM FROM POE POWERHOUSE (A5-3132.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	11	12	10	8	5	1.5	3	2	<0.1	66	55
Minimum detected	6	5	4	3	2	0.7	1	<1	<0.1	31	25
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

POE POWERHOUSE DISCHARGE (A5-3931.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	12	12	6	5	5	1	3	2	<0.1	51	51
Minimum detected	6	5	3	3	2	0.6	1	<1	<0.1	31	25
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

FEATHER RIVER MIDDLE FORK NEAR MERRIMAC (A5-5100.00)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	20	19	5	5	8	1.1	8	4	<0.1	71	68
Minimum detected	7	7	2	2	2	0.5	2	<1	<0.1	31	28
Number of samples	27	27	27	27	27	27	27	27	27	27	27
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-1. Continued.

SOUTH FORK FEATHER RIVER UPSTREAM FROM PONDEROSA RESERVOIR (A5-6110.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	6	6	6	6	4	0.5	4	2	0.3	41	112
Minimum detected	3	3	2	2	2	<0.5	1	<1	<0.1	18	18
Number of samples	28	28	28	28	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

MINERS RANCH CANAL(A5-6925.00) AND
SOUTH FORK FEATHER RIVER DOWNSTREAM FROM PONDEROSA RESERVOIR(A5-6050.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	5	5	3	3	3	<0.5	2	1	<0.1	22	22
Minimum detected	4	3	1	1	2	<0.5	<1	<0.1	<0.1	14	12
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

SUCKER RUN CREEK NEAR FORBESTOWN (A5-6075.00)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	11	11	4	4	14	2	16	10	0.2	44	44
Minimum detected	4	4	2	2	3	0.6	1	<1	<0.1	14	18
Number of samples	28	28	28	28	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-1. Continued.

FALL RIVER UPSTREAM FROM FEATHER FALLS (A5-5050.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	9	3	2	12	1.1	15	10	0.5	33	31
Minimum detected	3	2	1	1	2	<0.5	<1	1	<0.1	11	9
Number of samples	28	28	28	28	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Footnotes

1. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
4. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates).
5. U.S. Environmental Protection Agency, Integrated Risk Information System [IRIS] database
6. California Department of Health Services, Division of Drinking Water and Environmental Management, Drinking Water Action Levels (6 June 2003), http://www.dhs.cahwnet.gov/ps/ddwem.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3b-2. Summary of mineral numerical limits for Lake Oroville (mg/L).

Lake Oroville North Fork Sfc (A5R93761296)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.0	3	1	<0.1	41	41
Minimum detected	8	7	4	3	3	0.7	2	<1	<0.1	36	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville North Fork Btm (A5R93761296)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	4	4	0.9	2	1	<0.1	46	41
Minimum detected	8	8	4	4	3	0.8	2	<1	<0.1	36	36
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville Middle Fork Sfc (A5R93351272)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	13	12	5	4	5	1.0	4	2	<0.1	53	46
Minimum detected	8	8	3	3	3	0.6	2	<1	<0.1	32	27
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-2. Continued.

Lake Oroville Middle Fork Btm (A5R93351272)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	0.8	3	2	<0.1	41	41
Minimum detected	8	8	3	3	3	0.6	2	<1	<0.01	32	32
Number of samples	23	23	23	23	23	23	23	23	22	23	23
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville South Fork Sfc (A5R93221226)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.0	2	2	<0.1	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1	<0.1	30	30
Number of samples	23	24	23	24	24	24	24	24	23	23	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville South Fork Btm (A5R93221226)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	0.9	2	2	<0.1	41	41
Minimum detected	5	6	3	2	3	0.6	2	<1	<0.1	25	23
Number of samples	23	23	23	23	23	23	23	23	22	23	22
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-2. Continued.

Lake Oroville Main Body Sfc (A5R93401274)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.1	2	1	<0.1	41	41
Minimum detected	8	7	3	3	3	0.7	2	<1	<0.1	32	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville Main Body Btm (A5R93401274)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	4	4	1.0	3	1	<0.1	46	41
Minimum detected	8	8	3	4	3	0.7	2	<1	<0.1	32	36
Number of samples	23	23	23	23	23	23	23	23	23	23	23
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville At Dam Sfc (A5R93251286)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	11	10	5	4	4	1.0	2	2	<0.1	48	41
Minimum detected	8	7	3	3	3	0.7	2	<1	<0.1	32	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-2. Continued.

Lake Oroville At Dam Mid (A5R93251286)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	5	4	1.0	2	2	<0.1	41	46
Minimum detected	8	8	4	4	3	0.8	2	<1	<0.1	36	36
Number of samples	23	24	23	24	24	24	24	24	24	23	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lake Oroville At Dam Btm (A5R93251286)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	5	4	1.0	2	2	<0.1	46	46
Minimum detected	8	8	4	4	3	0.8	2	<1	<0.1	36	36
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Footnotes

1. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
4. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates).
5. U.S. Environmental Protection Agency, Integrated Risk Information System [IRIS] database
6. California Department of Health Services, Division of Drinking Water and Environmental Management, Drinking Water Action Levels (6 June 2003), http://www.dhs.cahwnet.gov/ps/ddwem.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3b-3. Summary of mineral numerical limits for the Lower Feather River (mg/L).

Thermalito Diversion Pool US of Power Plant (A5R93191294)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.1	2	1	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	32	30
Number of samples	26	26	26	26	26	26	26	26	26	26	26
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito Diversion Pool DS of Power Plant (A5R93191297)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	0.9	2	1	<0.1	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	14	14	14	14	14	14	14	14	14	14	14
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Glen C US from Glen Pond (A5-3050)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	21	21	17	17	9	1.2	21	8	0.0	122	122
Minimum detected	8	8	7	7	5	<0.5	3	2	<0.1	53	53
Number of samples	26	26	26	26	26	26	26	26	26	26	26
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Glen Pond (A5L93221307)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	20	19	17	17	9	1.4	14	7	0.0	116	115
Minimum detected	8	8	5	5	4	<0.5	3	2	<0.1	43	43
Number of samples	27	27	27	27	27	27	27	27	27	27	27
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Morris Ravine at Mouth (A5-1850)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	56	58	41	41	18	1.3	8	12	0.1	306	310
Minimum detected	9	9	6	5	4	0.5	1	<1	<0.1	47	43
Number of samples	12	12	12	12	12	12	12	12	12	12	12
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito Diversion Pool US of Dam Surface (A5R93191326)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.0	2	1	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	<1.0	<1.0	<0.1	30	30
Number of samples	26	26	26	26	26	26	26	26	26	26	26
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Thermalito Diversion Pool US of Dam BOTTOM (A5R93191326)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.0	2	1	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	25	25	25	25	25	25	25	25	25	25	25
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R A Oroville (A5-1800.00)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4.33	4	4	1.0	3	2	<0.1	46	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R US Hatchery (A5-1789.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4	4	4	1.0	2	1	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	18	30	18	29	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Feather R Hatchery Settling Pond (A5R93101333)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4	4	81	1.0	2	132	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	15	27	15	27	26	27	27	26	27	27	27
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	1	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	1	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	1	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R DS Hatchery (A5-1780.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	5	4	13	2.0	3	22	<0.1	46	41
Minimum detected	7	7	3	3	3	0.6	1	<1.0	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R DS HWY 162 (A5-1740.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	5	5	4	1.0	3	2	<0.1	46	46
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Oroville Fishing Pond (A5L92951347)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	31	30	28	27	13	1.7	6	22	0.1	218	178
Minimum detected	20	20	21	19	10	1.4	2	12	<0.1	149	143
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R A Robinson Riffle (A5-1712.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	5	5	5	1.1	3	3	<0.1	43	43
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	32	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Robinson Riffle Pond (A5L92821359)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	29	28	21	22	9	3.0	4	9	<0.1	159	161
Minimum detected	9	9	7	7	4	<0.5	<1.0	2	<0.1	51	51
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Upper Pacific Heights Pond (A5L92771367)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	5	4	1.1	2	2	<0.1	46	46
Minimum detected	8	8	4	4	3	0.5	2	<1	<0.1	36	36
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R US from Afterbay Outlet (A5-1695.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	5	5	4	1.1	3	2	<0.1	46	43
Minimum detected	7	7	3	3	3	0.7	2	<1.0	<0.1	30	30
Number of samples	18	30	18	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

North Forebay C (A5-5185)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	16	15	9	8	6	1.7	4	2	<0.1	77	70
Minimum detected	6	6	3	3	3	0.7	1	<1.0	<0.1	27	27
Number of samples	20	20	20	20	20	20	20	20	20	20	20
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Thermalito N Forebay Surface (A5R93161366)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.0	2	1	<0.1	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	25	25	25	25	25	25	25	25	25	25	25
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito N Forebay Bottom (A5R93161366)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	0.9	2	1	<0.1	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito S Forebay Surface (A5R93111370)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.0	2	1	<0.1	39	39
Minimum detected	7	6	3	3	3	0.6	2	<1.0	<0.1	30	27
Number of samples	25	25	25	25	25	25	25	25	25	25	25
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Thermalito S Forebay Bottom (A5R93111370)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	9	4	4	4	0.8	2	1	0.0	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1	<0.1	30	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito N Afterbay Surface (A5R93011411)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.0	2	1	<0.1	62	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	25	25	25	25	25	25	25	25	25	25	25
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito N Afterbay Bottom (A5R93011411)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	0.9	2	1	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Thermalito S Afterbay Surface (A5R92921412)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.0	2	1	<0.1	39	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	25	25	25	25	25	25	25	25	25	25	25
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Thermalito S Afterbay Bottom (A5R92921412)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4	4	4	1.0	2	1	<0.1	39	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Afterbay Outlet Canal to Feather R (A5C92751383)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	4	4	4	1.1	3	1	<0.1	41	41
Minimum detected	4	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	30	30	30	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Feather R DS from Afterbay Outlet (A5-1687.70)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4	4	4	1.0	2	2	<0.1	41	41
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	18	30	18	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R DS from SCOR Outlet (A5-1687.20)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	10	4	4	5	1.1	3	3	<0.1	41	41
Minimum detected	7	7	3	3	3	0.7	2	<1.0	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Lower Pacific Heights Pond (A5L92551372)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	22	22	20	20	7	2.5	2	3	<0.1	127	125
Minimum detected	9	11	4	7	4	<0.5	<1.0	1	<0.1	39	39
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Mile Long Pond Surface (A59L92541377)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	12	12	6	6	5	1.2	2	2	<0.1	52	52
Minimum detected	8	8	4	4	3	<0.5	1	1	<0.1	39	36
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Mile Long Pond Bottom (A59L92541377)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	14	14	10	10	6	1.5	2	4	<0.1	76	76
Minimum detected	8	8	4	4	3	<0.5	<1.0	1	<0.1	41	36
Number of samples	24	24	24	24	24	24	24	24	24	24	24
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R NR Mile Long Pond (A5-1662.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.1	4	2	<0.1	41	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Feather R DS from Project Boundary (A5-1645.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	9	9	4	4	4	1.0	3	2	<0.1	46	39
Minimum detected	7	7	3	3	3	0.6	2	<1.0	<0.1	30	30
Number of samples	18	30	18	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R at Singh AB Riviera Rd, (A5-1556.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	6	5	5	1.1	3	2	<0.1	50	46
Minimum detected	7	7	3	3	3	0.6	2	<1	<0.1	30	30
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Honcut C at Pacific Ranch NR Palermo (A5-7010.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	21	21	16	16	16	4.0	18	35	<0.1	118	118
Minimum detected	6	5	4	3	4	0.6	3	2	<0.1	31	25
Number of samples	17	29	17	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Feather R A Archer Ave. (A5-1516.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	5	5	1.4	5	4	<0.1	46	46
Minimum detected	7	6	4	3	3	0.6	2	<1.0	<0.1	34	30
Number of samples	16	29	16	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R US from Yuba R (A5-1425.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	6	5	5	1.5	5	4	<0.1	50	46
Minimum detected	7	6	3	3	3	0.6	2	<1	<0.1	30	27
Number of samples	16	30	16	30	30	30	30	30	30	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Yuba R at Mouth (A6-1010.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	11	11	4	4	4	0.8	6	3	<0.1	44	44
Minimum detected	8	4	3	3	2	<0.5	3	<1.0	<0.1	32	30
Number of samples	16	30	16	30	30	30	30	30	30	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Feather R at Shanghai Bend (A5-1389.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	10	5	5	5	1.5	5	4	<0.1	46	46
Minimum detected	7	2	3	2	3	0.6	2	<1.0	<0.1	30	27
Number of samples	16	30	16	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Bear R near Mouth (A6-5010.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	13	17	8	10	16	7.0	8	21	<0.1	84	84
Minimum detected	7	6	4	3	4	0.7	3	<1.0	<0.1	30	27
Number of samples	16	29	16	29	29	29	29	29	29	29	29
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Feather R near Verona (A5-1010.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	10	11	4	5	6	1.7	5	4	<0.1	48	48
Minimum detected	7	7	3	3	3	0.5	2	<1.0	<0.1	30	30
Number of samples	16	30	16	30	30	30	30	30	30	30	30
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Appendix 3b-3. Continued.

Sacramento R US from Feather R (A0-2157.50)

	Calcium		Magnesium		Sodium	Potassium	Sulfate	Chloride	Boron	Hardness	
	T	D	T	D	D	D	D	D	D	T	D
Maximum detected	18	18	11	11	17	2.6	18	8	<0.1	90	88
Minimum detected	10	7	6	4	4	1.0	4	<1.0	<0.1	52	34
Number of samples	15	28	15	28	28	28	28	28	28	28	28
Number of samples exceeding criteria or objectives											
USEPA - Taste and odor threshold[1]	-	-	-	-	0	-	-	-	-	-	-
Secondary MCL[2]	-	-	-	-	-	-	0	0	-	-	-
Agricultural Goal[3]	-	-	-	-	0	-	-	0	0	-	-
NAWQC[4] Aquatic Life	-	-	-	-	-	-	-	0	-	-	-
USEPA IRIS Reference Dose[5]	-	-	-	-	-	-	-	-	0	-	-
California DHS Action Level for drinking water [6]	-	-	-	-	-	-	-	-	0	-	-
USEPA draft Drinking Water Advisory [1]	-	-	-	-	0	-	-	-	-	-	-
USEPA Proposed MCL Goal[1]	-	-	-	-	-	-	0	-	-	-	-

Footnotes

1. U.S. Environmental Protection Agency, Office of Water, 2004 Edition of the Drinking Water Standards and Health Advisories. (Winter 2004). EPA 822-R-04-005.
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
4. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates).
5. U.S. Environmental Protection Agency, Integrated Risk Information System [IRIS] database
6. California Department of Health Services, Division of Drinking Water and Environmental Management, Drinking Water Action Levels (6 June 2003), http://www.dhs.cahwnet.gov/ps/ddwem.
7. Chronic (4 day average)
8. Acute (1 hr average)

Appendix 3c-1. Summary of metal numerical limits for the Upper Feather River (µg/L).

CONCOW CREEK AT JORDAN HILL ROAD (A5-2950)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	407	405	0.272	0.15	0.020	0.001	1.91	1.31	1.35	0.925	476	429	0.00291	0.00005	219	118	8.21	7.09	0.162	0.062	0.09	0.282	0.162	0.11	0.9	0.40
Minimum detected	4.2	<1.5	<0.03	0.03	<0.003	<0.003	0.13	<0.07	0.30	0.229	0.34	<3.31	0.00051	<0.00002	1.64	0.08	1.12	0.65	<0.01	<0.01	<0.04	<0.04	<0.197	<0.024	<0.1	<0.1
Number of samples	29	27	29	27	29	27	29	27	29	27	29	27	28	27	29	27	29	27	29	27	29	27	13	13	29	27
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	-	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-		-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5 [9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

WEST BRANCH FEATHER RIVER NEAR PARADISE (A5-2250)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	2588	569	0.999	0.826	0.007	<0.031	8.33	5.41	4.92	1.34	1792	392	0.00502	0.00035	62	9.31	15.2	5.06	0.428	0.073	0.23	0.18	0.024	0.138	4.17	3.97
Minimum detected	6.2	2	0.081	0.08	<0.008	<0.003	0.29	0.12	0.17	0.165	5.4	<3.5	0.0003	<0.00002	0.31	0.038	0.38	0.3	<0.01	<0.01	<0.04	<0.04	<0.123	<0.001	<0.1	<0.1
Number of samples	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	23	22	13	13	23	22
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	2	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	1	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	-	-	-	-	-	-	0	-	2	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1 [9]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9] 2 [10]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-1. Continued.

WEST BRANCH FEATHER RIVER UPSTREAM OF LAKE OROVILLE (A5-2350.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	79	17	0.697	0.714	0.003	0.002	0.61	0.32	0.62	0.51	88.4	19.3	0.00087	0.00009	22	11	1.12	0.75	0.011	<0.002	<0.18	<0.18			0.29	0.14
Minimum detected	36.7	8.4	0.112	0.083	<0.002	<0.002	0.2	0.13	0.31	0.24	34.6	10.2	0.00054	0.00001	1.38	0.52	0.36	0.27	<0.002	<0.002	<0.07	<0.07			0.1	0.1
Number of samples	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	4	4	4	4	4	4	4	0	0	4	3
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	1 [9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	0	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

NORTH FORK FEATHER RIVER UPSTREAM FROM POE POWERHOUSE (A5-3130)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	2157	1423	3.84	1.69	0.065	0.001	8.29	6.42	15.5	4.17	3445	1289	0.0263	0.00004	277	37.8	60.8	7.76	2.450	0.66	0.12	0.24	0.038	<0.025	12.5	2.95
Minimum detected	8.78	<1.5	0.44	0.33	<0.008	<0.008	<0.07	<0.07	0.37	0.34	11.2	3.90	0.00027	<0.00002	2.6	0.137	0.5	0.4	<0.01	<0.01	<0.04	<0.06	<0.025	<0.001	<0.1	<0.1
Number of samples	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	13	13	24	23
Number of samples exceeding																										
Public Health Goal[1]	2	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	1	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	-	-	-	-	-	-	0	-	3	-	-	-	2	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	2	0	-	-	-	-	-	-	-		0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3 [9] 2 [10]	-	-	-	-	-	-	-	-	-	2 [9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-1. Continued.

POE POWERHOUSE DISCHARGE (A5-3931.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	4302	1631	5.46	2.01	0.116	0.002	12.70	5.91	23.6	4.31	6847	1416	0.0293	0.00035	477	41.6	36.4	7.1	3.93	0.599	0.11	0.14	0.187	0.014	22.6	3.49
Minimum detected	17.2	<1.5	0.62	0.41	<0.003	<0.003	<0.07	<0.07	0.27	0.24	40.4	4.30	0.00024	<0.00002	6.15	0.06	0.5	<0.04	<0.01	<0.01	<0.04	<0.06	<0.123	<0.001	0.09	<0.1
Number of samples	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	14	14	25	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	2	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	1	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	4	-	-	-	-	-	-	-	0	-	4	-	-	-	2	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	1	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-		-	-	-	-	-
CTR[5] Aquatic Life	-	-	0	0	0	0	-	0	2 [9]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	8[9], 2[10]	-	-	-	-	-	-	-	-	-	2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

FEATHER RIVER MIDDLE FORK NEAR MERRIMAC (A5-5100.00)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1472	835	1.2	1.2	0.018	0.007	3.54	2.77	4.87	1.60	1805	531	0.00446	0.00008	116	15.1	9.23	3.28	1.440	0.371	0.27	0.26	0.293	0.128	5.68	1.32
Minimum detected	5.76	<1.5	0.31	0.30	<0.008	<0.008	0.07	<0.07	0.25	0.19	11.3	<3.5	0.00027	<0.00002	1.05	0.12	0.25	0.1	<0.01	<0.01	<0.04	<0.06	<0.123	<0.001	0.07	0.05
Number of samples	31	27	31	27	31	27	31	27	31	27	31	27	31	27	31	27	31	27	31	27	31	27	13	13	31	27
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	2	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	1	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	2	-	-	-	2	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	-	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	7 [9],2[10]	-	-	-	-	-	-	-	-	-	2 [9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-1. Continued.

FALL RIVER UPSTREAM FROM FEATHER FALLS (A5-5200)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1480	455	1.5	1.5	0.024	0.029	2.70	1.77	2.58	0.40	1340	167	0.00502	0.00005	51.9	5.77	2.47	0.76	0.468	0.086	0.16	0.39	0.169	0.374	4.01	0.39
Minimum detected	5.9	1.7	0.11	0.11	<0.008	<0.008	<0.04	<0.04	0.09	0.06	5.1	<3.5	0.0002	<0.00002	0.55	0.092	0.11	0.05	<0.002	<0.01	<0.04	<0.06	<0.16	<0.001	0.1	0.04
Number of samples	29	26	29	26	29	26	29	26	29	26	29	26	27	27	29	26	29	26	29	26	29	26	13	13	29	16
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	2	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	2	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	2 [9,10]	-	-	-	-	-	-	-	-	-	2 [9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

SUCKER RUN CREEK NEAR FORBESTOWN (A5-6075.00)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1601	1305	4.73	4.3	0.010	0.002	2.40	1.55	12.5	1.50	1566	1102	0.183	0.00128	59.3	11.2	3.19	2.32	0.646	0.322	0.20	<0.06	0.043	0.023	4.16	1.33
Minimum detected	5.6	<1.5	1.23	0.859	<0.008	<0.001	<0.05	<0.05	0.09	0.14	40.3	12	0.0004	0.00021	0.77	0.156	0.04	0.04	<0.01	<0.01	<0.04	<0.06	<0.123	<0.001	0.1	0.1
Number of samples	31	27	31	27	31	27	31	27	31	27	31	27	28	28	31	27	31	27	31	27	31	27	13	13	31	27
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	2	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	4	-	0	-	-	-	-	-	0	-	3	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	1	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	1 [9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	11 [9],2[10]	-	-	-	-	-	-	-	-	-	2	-	1 [9]	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-1. Continued.

SOUTH FORK FEATHER RIVER UPSTREAM FROM PONDEROSA RESERVOIR (A5-6110.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1021	1021	0.87	0.64	0.016	0.001	5.34	1.86	2.81	0.95	1390	844	0.00647	0.00013	122	7.62	22.5	6.48	0.356	0.085	0.07	0.06	0.051	0.02	3.38	0.60
Minimum detected	6.7	<1.5	0.16	0.15	<0.008	<0.008	<0.05	0.07	0.11	0.14	14.3	8.20	0.0003	0.00003	1.08	0.133	1.11	1.0	<0.01	<0.01	<0.04	<0.06	<0.012	<0.001	0.07	0.02
Number of samples	31	28	31	28	31	28	31	28	31	28	31	28	28	28	31	28	31	28	31	28	31	28	13	13	31	28
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	3	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	1	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	-	-	-	-	-	-	0	-	3	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	2[9]	2[9]	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	7[9], 2[10]		-	-	-	-	-	-	-	-	1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-		-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

MINERS RANCH CANAL (A5-6925.00) AND SOUTH FORK FEATHER RIVER DOWNSTREAM FROM PONDEROSA RESERVOIR (A5-6050.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	597	420	0.519	0.43	0.006	<0.008	1.64	1.13	2.05	0.84	581	488	0.00406	0.00003	77.8	40.9	6.93	5.4	0.440	0.102	<0.30	<0.30	0.063	0.09	1.33	0.56
Minimum detected	10.5	<1.5	0.092	0.05	<0.008	<0.008	<0.07	<0.07	0.08	0.11	16	<3.3	0.0002	<0.000025	4.44	0.11	0.51	0.3	<0.01	<0.01	<0.15	<0.08	<0.01	<0.001	0.09	0.06
Number of samples	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	24	23	13	13	24	23
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9]	1[9]	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	7[9]		-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-		-	-	-	-	-
USEPA IRIS Reference Dose[8]	-		-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Summary of metal numerical limits for Lake Oroville (µg/L).

Lake Oroville North Fork Sfc (A5R93761296)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	144	33	0.878	0.740	0.010	0.19	8.0	0.52	1.49	1.1	215	71	0.00111	0.0000013	8.73	2.24	1.37	0.88	0.042	0.002	0.08	0.08	0.109	0.054	0.41	0.22
Minimum detected	11.7	1.90	0.30	0.226	<0.002	<0.001	0.06	<0.039	0.44	0.42	4.0	3.20	<0.00015	<0.000001	1.14	0.042	0.28	0.16	<0.001	<0.001	<0.033	<0.033	<0.006	<0.004	<0.035	<0.031
Number of samples	24	24	24	24	24	24	24	24	24	24	22	24	23	23	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	1[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lake Oroville North Fork Btm (A5R93761296)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	999	129	0.812	0.703	0.064	0.096	3.05	0.52	3.78	0.89	1230	70.5	0.00338	0.000013	66.9	59.2	3.94	1.4	0.326	0.023	0.13	0.12	0.235	0.068	3.35	1.09
Minimum detected	10.1	2.5	0.395	0.044	0.003	0.001	<0.056	<0.039	0.45	0.4	4	3.2	0.00024	0.000008	1.85	0.036	0.62	0.15	<0.002	<0.001	0.069	<0.056	<0.006	<0.001	<0.035	<0.013
Number of samples	20	22	20	22	20	22	20	22	20	21	20	22	23	23	19	22	19	22	19	22	19	22	10	12	19	22
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	-	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5[9], 1[10]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Continued.

Lake Oroville Middle Fork Sfc (A5R93351272)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
	407	55.5	0.868	0.925	0.002	0.001	2.9	0.71	1.24	0.97	483	54	0.00217	0.00319	30.1	1.56	1.17	0.82	0.373	0.039	0.076	0.182	0.136	0.048	2.58	0.4
Minimum detected	10.8	2.2	0.244	0.257	<0.001	<0.001	0.04	<0.039	0.07	<0.22	2.9	1.5	<0.00015	<0.000025	0.74	0.07	<0.04	<0.04	0.003	<0.002	0.076	<0.056	<0.014	<0.005	<0.02	<0.013
Number of samples	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	12	12	25	25
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	-	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lake Oroville Middle Fork Btm (A5R93351272)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1160	102	2.03	1.27	0.023	0.054	2.98	0.67	4.65	4.29	1740	135	0.0232	0.000056	115	42.1	5.05	1.24	1.721	0.181	0.17	0.155	0.086	0.086	3.61	0.26
Minimum detected	4.6	4.6	0.358	0.293	<0.005	<0.001	0.05	<0.039	0.31	0.28	8.1	<1.33	0.00034	0.000012	0.68	0.336	0.07	0.15	0.003	0.001	0.11	0.09	0.057	0.016	0.05	0.012
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	4	-	-	-	2	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9]	0	-	-	-	-	-	-	-	0	1[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	0[9], 1[1]	-	-	-	-	-	-	-	-	-	1[9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Continued.

Lake Oroville South Fork Sfc (A5R93221226)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	850	116	0.559	0.604	0.002	0.003	1.82	0.625	1.74	1.7	939	54.8	0.00306	0.00005	78.1	17.3	1.81	0.83	0.407	0.019	0.18	0.11	0.195	0.056	1.97	0.35
Minimum detected	15.6	3.5	0.263	0.234	<0.002	<0.001	<0.039	<0.02	0.26	0.31	<2.93	<1.02	<0.0001	<0.000005	0.56	0.06	<0.04	<0.04	0.002	<0.002	<0.07	<0.07	<0.006	<0.005	<0.035	<0.013
Number of samples	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	12	12	25	25
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	-	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	9[9], 1[10]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lake Oroville South Fork Btm (A5R93221226)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	714	53	0.564	0.524	0.002	0.004	1.08	0.68	5.38	2.85	749	40.6	0.0026	0.000046	156	111	1.65	1.22	0.349	0.027	0.17	0.189	0.086	0.09	1.85	0.485
Minimum detected	21.6	5.52	0.312	0.248	<0.002	<0.001	<0.039	0.03	0.36	0.29	5.6	<1.02	0.00011	<0.000009	0.88	0.12	0.48	<0.04	0.004	<0.002	<0.07	<0.056	<0.006	<0.005	<0.035	<0.013
Number of samples	17	20	17	20	17	20	17	20	17	19	17	20	16	19	17	20	17	20	17	20	17	20	11	11	17	20
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	-	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Continued.

Lake Oroville Main Body Sfc (A5R93401274)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
	148	60.9	1.08	0.754	0.012	0.382	0.6	0.53	1.5	1.04	233	35.2	0.00096	0.00002	8.42	2.39	1.28	0.8	0.048	0.021	0.12	0.12	0.184	0.134	0.78	0.55
Minimum detected	8.16	2.1	0.047	0.371	0.001	<0.001	<0.039	<0.039	0.36	0.36	<3.1	<1.06	<0.00015	<0.00002	0.93	<0.006	0.14	0.06	<0.001	<0.001	<0.03	<0.04	<0.006	<0.001	<0.035	<0.013
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	23	23	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	0	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	2[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lake Oroville Main Body Btm (A5R93401274)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	647	32.1	0.919	0.784	0.011	0.002	2.56	0.63	2.73	2.32	1120	31.7	0.00168	0.000011	78.5	10.4	3.12	1.03	0.607	0.598	0.13	0.275	0.095	0.117	1.88	0.31
Minimum detected	9.22	1.6	0.404	<0.012	0.002	<0.002	0.05	<0.039	0.43	0.39	8	<1.33	0.00022	<0.000007	0.82	0.127	0.39	0.29	<0.002	<0.002	<0.05	<0.04	<0.006	<0.005	<0.035	<0.013
Number of samples	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	10	12	20	21
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	-	-	-	-	-	-	0	-	1	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	1[9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Continued.

Lake Oroville At Dam Sfc (A5R93251286)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	121	30.9	1.13	0.848	0.116	0.003	1.57	0.655	3.23	1.03	202	35.6	0.0008	0.000015	8.93	2.03	1.18	0.89	0.043	0.009	0.14	0.07	0.139	0.008	0.31	0.52
Minimum detected	10	2.7	0.322	0.332	0.001	<0.001	<0.07	<0.039	0.43	0.39	<3.1	<1.06	<0.000015	<0.000007	0.96	0.034	0.21	<0.04	<0.001	<0.001	<0.03	<0.04	<0.006	<0.001	<0.035	<0.013
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	2[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lake Oroville At Dam Mid (A5R93251286)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	104	89	0.903	0.766	0.05	0.009	1.38	0.782	1.32	1.13	131	45.1	0.00107	0.000019	7.51	1.4	1.34	1.23	0.042	0.038	0.13	0.11	0.21	0.133	0.45	0.85
Minimum detected	6	2.1	0.376	0.328	0.003	<0.002	<0.056	<0.039	0.52	0.37	<2.93	<1.06	<0.00015	<0.000007	0.59	0.072	0.05	<0.04	<0.002	<0.002	0.038	<0.04	<0.006	<0.001	0.03	0.05
Number of samples	23	23	23	23	23	23	23	23	14	14	23	23	23	23	23	23	23	23	23	23	23	23	12	12	23	23
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-2. Continued.

Lake Oroville At Dam Btm (A5R93251286)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	251	71.9	0.764	0.706	0.064	0.005	1.69	0.783	1.62	1.98	329	57.6	0.00272	0.000069	18.5	44	2.11	1.23	0.64	0.031	0.277	0.07	0.141	0.075	0.93	0.38
Minimum detected	8.61	1.7	0.395	0.398	0.001	0.002	0.11	0.05	0.54	0.44	8.34	2.47	<0.00015	<0.000009	1.21	0.08	0.18	0.16	<0.002	<0.002	<0.05	<0.052	<0.006	<0.001	<0.035	<0.013
Number of samples	19	24	19	24	19	24	19	24	19	24	19	24	20	24	19	24	19	24	19	24	19	24	12	12	19	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Summary of metal numerical limits for the Lower Feather River (µg/L).

Thermalito Diversion Pool US of Power Plant (A5R93191294)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	170.2	70.7	0.906	0.894	<0.039	<0.039	0.893	0.772	1.41	1.07	288	45	0.00104	0.000037	20.2	2.12	1.47	1.13	0.064	0.015	0.25	0.156	<0.165	0.028	0.7	0.34
Minimum detected	9.24	1.8	0.36	0.324	<0.002	<0.001	<0.056	<0.039	0.47	0.43	<0.002	<0.004	0.00024	0.000005	0.6	0.28	0.54	0.33	<0.002	<0.001	<0.07	<0.056	<0.006	<0.003	0.03	<0.013
Number of samples	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	12	12	27	27
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito Diversion Pool DS of Power Plant (A5R93191297)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	250	44.6	0.935	0.62	0.005	<0.039	1.81	0.749	2.6	0.72	883	97.6	0.00125	0.000096	34.2	9.05	1.91	1.12	0.354	0.012	0.24	0.11	<0.303	0.521	8.57	2.98
Minimum detected	12.4	4.99	0.478	0.382	0.005	<0.001	0.093	<0.039	0.44	0.44	9.44	9	0.00039	<0.000025	0.76	0.131	0.88	0.749	<0.004	<0.002	0.046	<0.10	<0.018	<0.005	0.08	<0.013
Number of samples	13	13	13	13	13	13	13	13	13	13	13	13	14	14	13	13	13	13	13	13	13	13	11	11	13	13
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-		-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	1[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Glen C US from Glen Pond (A5-3050)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	450	402	1.19	1.10	0.161	0.096	3.31	2.0	12.1	9.63	920	508	0.015	0.000394	95.4	22.6	3.35	2.16	0.515	0.158	0.39	0.347	0.047	0.015	5.12	1.77
Minimum detected	1.11	1.8	0.361	0.302	0.003	<0.001	0.15	<0.02	1.03	0.79	134.0	66.2	0.00096	0.000056	3.07	0.254	0.09	0.05	<0.015	<0.003	<0.09	<0.07	<0.006	<0.004	0.21	0.15
Number of samples	27	27	27	27	27	27	27	27	27	27	27	27	26	26	27	27	27	27	27	27	27	27	13	13	27	27
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	4	-	0	-	-	-	-	-	0	-	16	-	-	-	5	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	2[9], 1[10]	1[9]	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	9[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Glen Pond (A5L93221307)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1560	171	3.57	3.42	0.029	0.005	5.05	1.7	9.5	7.14	945	286	0.0149	0.00194	70.5	22.4	7.22	1.95	0.945	0.068	0.3	0.306	<0.203	0.036	11.1	1.58
Minimum detected	20.70	2.3	0.238	0.126	<0.003	<0.001	0.12	<0.02	1.03	0.79	38.0	2.2	0.00077	0.000061	6.75	0.105	0.42	0.06	0.008	<0.002	<0.07	<0.056	<0.006	<0.005	0.16	<0.013
Number of samples	27	27	27	27	27	27	27	27	27	27	27	27	26	26	27	27	27	27	27	27	27	27	13	13	27	27
Number of samples exceeding criteria or																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	1	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	9	-	0	-	-	-	-	-	0	-	14	-	-	-	6	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	4[9], 1[10]	1[9]	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	16[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Morris Ravine at Mouth (A5-1850)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	3217	1485	1.96	1.63	0.017	<0.032	8.65	4.06	6.33	4.13	2289	1179	0.0138	0.000567	255	13	5.81	2.91	1.01	0.650	0.41	0.240	0.035	0.030	5.89	3.7
Minimum detected	13.3	1.9	0.7	0.7	<0.004	<0.001	0.52	0.26	0.40	0.30	9.2	<1.02	0.00091	0.00003	2.2	0.26	0.99	0.9	<0.007	<0.002	<0.092	<0.056	0.030	0.005	0.16	0.11
Number of samples	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Number of samples exceeding criteria or																										
Public Health Goal[1]	3	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	3	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	0	-	-	-	-	-	0	-	4	-	-	-	3	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito Diversion Pool US of Dam Surface (A5R93191326)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	249	68.4	0.834	0.72	0.002	0.002	1.65	0.746	1.84	1.22	374	66.2	0.00302	0.00003	22.3	43.8	1.51	1.11	0.31	0.004	0.17	0.11	<0.203	0.085	1.59	0.31
Minimum detected	6.87	1.8	0.364	0.281	<0.002	<0.001	<0.056	<0.03	0.5	0.46	<3.1	<2.45	0.0002	0.000005	1.04	<0.006	0.5	0.35	<0.002	<0.001	<0.033	<0.056	<0.006	<0.004	<0.02	<0.079
Number of samples	26	26	26	26	26	26	26	26	26	26	25	26	26	26	26	26	26	26	26	26	26	26	15	15	26	26
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Thermalito Diversion Pool US of Dam BOTTOM (A5R93191326)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	150	64.6	0.925	0.75	0.085	0.131	0.74	0.51	2.83	1.14	242	47.1	0.00393	0.000034	23	3.05	1.35	1.12	0.109	0.032	0.34	0.64	0.205	0.053	0.52	0.29
Minimum detected	9.05	2.6	0.335	0.341	<0.003	<0.001	0.097	0.05	0.47	0.41	4.7	<1.02	<0.00015	<0.000005	0.94	0.42	0.52	0.08	<0.002	<0.002	<0.09	<0.056	<0.006	<0.004	0.03	<0.033
Number of samples	21	18	21	18	21	18	21	18	21	18	21	18	19	22	21	18	21	18	20	18	21	18	11	10	21	18
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R A Oroville (A5-1800.00)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	624	447	0.985	0.646	0.009	0.016	2.4	1.65	2.82	1.54	807	390	0.00731	0.000073	43.4	13	1.87	1.37	0.3	0.077	0.38	0.14	<0.273	0.031	2.66	2.41
Minimum detected	11.5	<1.5	0.382	0.31	<0.004	<0.002	<0.07	<0.02	0.6	0.35	8.1	<3.25	0.00023	0.00001	2.07	<0.06	0.5	0.18	<0.012	<0.001	<0.033	<0.052	<0.006	<0.001	0.16	0.15
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	8[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R US Hatchery (A5-1789.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	542	452	0.811	0.65	0.008	0.003	2.26	1.63	2.62	1.57	684	376	0.05900	0.000037	30.6	4.24	1.77	1.44	0.264	0.077	0.24	0.12	0.167	0.03	1.83	0.76
Minimum detected	8.34	1.8	0.378	0.215	<0.004	<0.002	<0.06	<0.02	0.45	0.26	7.7	<1.64	0.00028	<0.000025	1.55	0.12	0.44	0.24	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	1	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R Hatchery Settling Pond (A5R93101333)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	866	584	0.839	0.763	0.191	0.003	2.53	1.93	6.47	2.28	5205	519	0.01120	0.000258	37	6.61	2.17	1.38	0.445	0.101	0.21	0.12	0.272	0.088	3.37	1.3
Minimum detected	7.98	2.5	0.359	0.38	<0.004	<0.004	0.087	<0.02	0.73	0.61	5.7	<1.64	0.00023	0.000025	0.56	0.08	0.43	0.27	0.002	<0.003	<0.04	<0.089	<0.006	<0.006	0.15	0.1
Number of samples	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	27	27	27	27	27	27	27	14	14	27	27
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	4	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	1	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	3[9],1[10]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5[9], 1[10]	-	-	-	-	-	-	-	-	-	2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R DS Hatchery (A5-1780.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	298	287	0.697	0.683	0.027	0.003	2.3	1.35	4.32	2.47	470	255	0.00894	0.000458	18.2	4.94	1.93	1.35	0.225	0.05	0.32	0.22	0.176	0.043	2.41	1.18
Minimum detected	12.1	2.1	0.448	0.29	<0.004	<0.004	0.07	<0.02	1.3	1.02	14.2	<2.45	0.00113	0.000051	0.91	0.06	0.59	0.4	0.007	<0.003	<0.04	<0.089	<0.006	<0.006	0.305	0.17
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[10]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R DS HWY 162 (A5-1740.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	183	130	0.789	0.731	0.123	0.004	1.62	0.87	2.7	0.98	358	148	0.00308	0.00034	28.5	15.3	1.49	1.11	0.505	0.03	0.19	0.3	0.04	0.047	0.99	0.53
Minimum detected	12	2.1	0.333	0.263	<0.004	<0.004	0.07	<0.02	0.59	0.4	24.8	<3.98	0.00028	0.000025	2.36	0.11	0.48	0.3	0.006	<0.003	<0.04	<0.089	<0.006	<0.006	0.049	0.06
Number of samples	30	29	30	29	30	29	30	29	30	29	30	29	30	28	30	29	30	29	30	29	30	29	15	14	30	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Oroville Fishing Pond (A5L92951347)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum concentration	104	5.45	4.42	4.16	0.009	<0.003	4.41	0.03	0.97	0.44	526	275	0.0022	0.00013	173	81.3	1.51	1.49	0.131	0.028	0.59	0.68	0.063	0.008	1.51	1.39
Minimum concentration	<1.5	<0.1	0.72	0.65	<0.004	<0.003	<0.02	<0.07	0.03	0.06	22	<3.5	0.0003	<0.00002	9.18	0.25	<0.04	<0.04	<0.01	<0.01	<0.30	<0.30	<0.106	<0.001	0.14	0.1
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	-	-	-	-	-	-	0	-	6	-	-	-	15	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	1[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R A Robinson Riffle (A5-1712.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	555	224	1.52	1.4	0.109	0.034	2.2	1.88	2.79	2.61	597	244	0.0145	0.000225	18.4	8.13	2.55	2.52	0.49	0.338	0.258	0.1	0.071	0.052	2.8	2.34
Minimum detected	9.53	1.5	0.346	0.29	<0.004	<0.004	0.11	<0.02	0.58	0.44	16.9	4.6	0.0003	0.000027	1.49	0.1	0.4	0.27	<0.011	<0.001	<0.04	<0.089	<0.006	<0.001	0.052	0.05
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Robinson Riffle Pond (A5L92821359)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum concentration	149	24	2.62	1.92	0.02	0.41	3.66	0.96	3.79	3.38	5290	968	0.0114	0.00057	2260	920	7.54	2.95	0.465	0.182	0.49	0.41	<0.203	<0.011	2.62	1.24
Minimum concentration	3	<1.5	0.28	0.21	<0.004	<0.004	<0.06	<0.07	0.10	<0.04	111	<2.08	0.0004	<0.00002	27.9	0.14	0.22	0.16	<0.01	<0.01	0.18	<0.11	<0.062	<0.001	0.15	<0.1
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	23	23	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	8	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	17	-	-	-	21	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	1	-	-	-	13	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	1 [9]	-	-	-	-	-	-	-	-	-	9 [9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Upper Pacific Heights Pond (A5L92771367)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	95	28	0.90	0.866	0.008	<0.13	1.90	0.47	1.27	0.98	182	50	0.0044	0.00019	19.9	7.38	1.04	0.87	0.10	0.093	0.27	0.170	<0.203	0.01	0.515	0.8
Minimum detected	5	<1.5	0.29	0.259	<0.002	<0.002	<0.07	<0.06	0.33	0.32	<2.93	<2.08	0.0003	<0.000025	1.08	0.05	0.050	<0.04	<0.01	<0.01	<0.04	<0.04	<0.006	<0.001	<0.035	<0.013
Number of samples	25	24	25	24	25	24	25	24	25	24	25	24	24	24	25	24	25	24	25	24	25	24	13	12	25	24
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	1[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R US from Afterbay Outlet (A5-1695.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	447	372	0.731	0.671	0.633	0.003	1.64	1.57	67.5	1.82	445	377	0.00905	0.000207	27.9	16.2	2.35	2.15	0.506	0.254	0.282	0.14	<0.273	0.02	2.08	1.26
Minimum detected	7.14	1.5	0.305	0.35	<0.004	<0.002	<0.06	<0.02	0.53	0.49	23.8	5.6	0.00032	<0.000013	3.82	0.104	0.35	0.26	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

North Forebay C (A5-5185)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1262	590	0.92	0.593	0.016	0.05	4.79	4.5	6.0	2.9	3443	1105	0.00798	0.000347	219	50.7	2.76	2.52	1.54	0.429	0.27	0.40	0.160	0.05	7.3	3.3
Minimum detected	7.3	1.2	0.14	0.118	0.004	<0.001	0.05	<0.012	0.51	0.44	64.3	<1.06	0.00025	0.000037	0.73	0.28	0.20	0.14	<0.007	<0.002	<0.116	<0.052	<0.006	<0.005	0.55	0.09
Number of samples	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	14	14	21	21
Number of samples exceeding criteria or																										
Public Health Goal[1]	3	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	5	-	0	-	-	-	-	-	0	-	14	-	-	-	4	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9, 10]	0	-	-	-	-	-	-	-	0	1[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Thermalito N Forebay Surface (A5R93161366)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	174	69	0.815	0.689	0.028	0.036	0.74	0.67	2.64	1.09	260	39	0.00191	0.000055	20	3.69	2.50	1.19	0.09	0.06	0.24	0.08	0.052	16.8	1.18	0.42
Minimum detected	10.8	2.1	0.349	0.045	0.002	<0.001	0.09	<0.039	0.51	0.43	8	1.8	0.00034	0.000005	1.96	0.21	0.50	0.34	<0.002	<0.001	0.05	<0.056	<0.006	<0.001	0.03	<0.013
Number of samples	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	26	26	26	26	26	26	26	12	12	26	26
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito N Forebay Bottom (A5R93161366)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	167	74	0.791	0.707	3.93	0.245	0.66	0.70	2.05	1.31	301	276	0.00191	0.00003	23.1	9.2	3.6	1.9	0.73	0.191	0.28	<0.30	0.088	0.045	1.3	1.1
Minimum detected	11	1.6	0.354	0.321	<0.003	<0.001	0.05	<0.039	0.52	0.45	3.50	2.69	0.00026	0.000006	1.63	0.36	0.52	0.33	<0.002	<0.002	<0.033	<0.052	<0.006	0.001	<0.035	<0.031
Number of samples	20	21	20	21	20	21	19	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	11	12	20	21
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	1[9,10]	1[9,10]	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Thermalito S Forebay Surface (A5R93111370)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	147	62	0.763	0.642	0.04	0.04	0.72	0.64	1.84	1.08	232	38	0.00165	0.000009	19.6	4.63	1.54	3.09	0.082	0.033	0.289	0.140	0.056	0.049	0.6	0.5
Minimum detected	10.2	1.6	0.346	0.288	<0.002	<0.001	<0.056	<0.04	0.49	0.44	7.60	<1.33	0.0003	0.000008	1.58	0.30	0.48	0.34	<0.002	<0.001	<0.07	<0.056	<0.006	0.003	0.08	<0.013
Number of samples	26	26	26	26	26	26	26	26	26	26	26	26	25	25	26	26	26	26	26	26	26	26	12	12	26	26
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	2[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito S Forebay Bottom (A5R93111370)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	172	68	0.772	1	0.946	0.160	0.71	0.71	2.04	1.36	307	44	0.00168	0.000029	21.5	3.9	1.7	1.11	0.170	0.026	0.32	0.36	0.057	0.040	1.69	1.54
Minimum detected	14.5	2.2	0.337	0.292	0.002	<0.001	<0.07	<0.04	0.51	0.46	8.50	<3.25	0.00024	0.000003	1.83	0.35	0.50	0.34	0.005	<0.001	<0.033	<0.056	<0.006	<0.001	0.11	<0.013
Number of samples	25	23	25	23	25	23	25	23	25	23	25	23	24	22	25	23	25	23	25	23	25	23	12	11	25	23
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Thermalito N Afterbay Surface (A5R93011411)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	157	97.1	0.791	0.616	0.002	0.044	0.82	0.80	1.31	1.18	232	73.1	0.00141	0.000031	203	191	1.31	1.1	0.53	0.175	0.17	0.15	0.053	0.03	0.78	0.76
Minimum detected	13	1.6	0.343	0.042	<0.002	<0.001	<0.07	<0.039	0.44	0.39	18.2	<3.25	<0.00015	0.000014	1.84	0.16	0.48	0.33	<0.002	0.001	<0.033	<0.052	<0.014	<0.011	<0.035	<0.013
Number of samples	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	12	12	26	26
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito N Afterbay Bottom (A5R93011411)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	249	67.1	0.773	0.654	0.026	0.039	0.98	0.73	1.71	1.08	605	43.9	0.00268	0.000051	21.3	3.61	1.28	1.15	0.200	0.038	0.246	0.11	0.047	0.031	1.1	0.8
Minimum detected	12.5	1.6	0.336	0.042	0.002	<0.001	<0.056	0.05	0.48	0.43	12.7	<1.33	0.00033	<0.000009	1.97	0.42	0.58	0.37	0.004	<0.002	0.07	<0.052	0.05	<0.005	<0.035	<0.013
Number of samples	24	26	24	26	24	26	24	26	22	25	26	26	25	25	26	26	26	26	26	26	26	26	12	12	26	26
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	5[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Thermalito S Afterbay Surface (A5R92921412)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	135	78	0.882	0.620	0.003	0.036	1.54	5	1.87	0.96	203	55	0.00174	0.000133	53.8	3.5	2.1	1.1	1.54	0.037	0.19	0.21	0.127	0.104	0.53	1.0
Minimum detected	15.90	2.00	0.315	0.325	<0.003	<0.001	<0.056	<0.039	0.47	0.44	21.9	<3.25	0.00018	0.000012	2.08	0.11	0.47	0.34	0.002	<0.002	0.04	<0.052	<0.006	<0.005	<0.035	<0.013
Number of samples	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	12	12	26	26
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	1	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	1[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Thermalito S Afterbay Bottom (A5R92921412)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	479	65	0.653	0.600	0.004	0.04	1.43	0.70	2.81	1.27	219	217	0.0366	0.00141	20.7	5.7	2.1	1.2	0.28	0.027	0.203	0.190	<0.242	0.039	1.62	0.83
Minimum detected	10.6	2	0.34	0.295	<0.003	<0.001	0.10	0.08	0.54	0.52	<3.1	<1.33	0.00024	0.000005	1.31	0.31	0.49	0.35	0.002	<0.002	0.05	<0.056	<0.006	<0.001	<0.071	<0.013
Number of samples	22	22	22	22	21	21	22	22	22	22	22	22	21	23	22	22	22	22	22	22	22	22	12	12	22	22
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	4[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Afterbay Outlet Canal to Feather R (A5C92751383)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	568	69.3	0.659	0.62	0.019	0.002	1.99	0.6	2.2	1.23	718	55.3	0.00244	0.000096	20.7	1.48	2.37	1.18	0.3	0.037	0.388	0.19	0.022	0.017	2.87	0.54
Minimum detected	33.7	3.7	0.278	0.265	0.002	0.001	0.238	<0.07	0.64	0.45	35.8	3.7	0.00021	0.000013	1.26	<0.055	0.43	0.28	<0.011	<0.001	0.045	<0.07	<0.006	<0.001	0.14	0.05
Number of samples	31	30	31	30	31	30	31	30	31	30	31	30	30	29	31	30	31	30	31	30	31	30	14	14	31	30
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	5	-	0	-	-	-	-	-	0	-	5	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	19[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R DS from Afterbay Outlet (A5-1687.70)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	618	84.5	0.698	0.67	0.074	0.008	1.43	0.73	5.02	1.05	873	72.7	0.00239	0.000077	19.9	12.9	2.61	1.22	0.448	0.05	0.23	0.13	<0.273	0.019	2.97	0.61
Minimum detected	22.9	3	0.383	0.312	<0.004	<0.002	<0.06	<0.02	0.64	0.5	30.4	<3.25	0.00038	<0.000013	2.34	<0.055	0.44	0.27	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	1	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	3	-	0	-	-	-	-	-	0	-	2	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	11[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R DS from SCOR Outlet (A5-1687.20)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	222.4	68.9	0.679	0.6	0.069	0.007	1.43	0.623	1.58	1.24	308	62.9	0.00239	0.000077	16.9	10.5	1.49	1.28	0.79	0.085	0.307	0.08	0.024	0.056	1.25	1.09
Minimum detected	17	3	0.317	0.218	<0.004	<0.004	0.09	<0.02	0.73	0.53	18.2	<3.25	0.00034	<0.000025	2.01	0.09	0.45	0.29	<0.018	<0.003	<0.04	<0.052	<0.006	<0.001	0.31	0.06
Number of samples	30	29	30	29	30	29	30	29	30	29	30	29	29	28	30	29	30	29	30	29	30	29	15	14	30	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	2	-	0	-	-	-	-	-	0	-	1	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	12[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Lower Pacific Heights Pond (A5L92551372)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	242	43.4	4.97	4.82	0.055	0.005	4.17	0.87	2.43	1.54	413	126	0.00477	0.000183	120	35.7	3.1	1.8	0.322	0.191	0.399	0.190	0.129	0.031	0.86	0.61
Minimum detected	3	<1.5	0.098	0.074	<0.004	<0.004	<0.07	<0.06	0.33	0.25	6.6	<2.08	0.00042	0.000015	5.8	<0.06	0.37	0.20	<0.001	<0.001	<0.04	<0.04	<0.006	<0.001	<0.066	<0.013
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	1	-	0	-	-	-	-	-	0	-	1	-	-	-	4	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	3[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Mile Long Pond Surface (A59L92541377)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	48	6.1	0.776	0.757	<0.039	<0.039	1.46	0.310	1.07	0.640	329	156	0.00144	0.000089	216	70	0.74	1.41	0.162	0.118	0.372	<0.30	0.083	0.008	0.48	0.89
Minimum detected	<1.5	<1.5	0.081	0.065	<0.002	<0.002	<0.039	<0.039	0.04	<0.191	9.8	<2.08	0.00021	<0.000025	7.2	<0.06	<0.04	<0.04	<0.002	<0.001	<0.06	<0.04	<0.006	<0.001	<0.011	<0.013
Number of samples	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	12	12	24	24
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	1	-	-	-	4	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	0	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Mile Long Pond Bottom (A59L92541377)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	5.0	1.7	0.569	0.391	<0.008	<0.008	0.10	0.10	173	3.4	337	81.3	0.00117	0.000187	882	36.9	0.41	0.33	0.027	0.004	0.080	0.080			0.69	0.48
Minimum detected	<1.5	0.4	0.328	0.330	<0.002	<0.004	<0.06	<0.06	1.27	0.33	79	11.3	0.00046	0.000068	14.7	4.92	0.13	0.08	<0.002	0.004	<0.20	<0.20			0.10	0.12
Number of samples	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	0	0	4	3
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	1	-	-	-	0	-	1	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	2	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9], 1[10]	0	-	-	-	-	-	-	-	0	0	0	-	-	-	-	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	0	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	0	-

Appendix 3c-3. Continued.

Feather R NR Mile Long Pond (A5-1662.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	175	77.4	0.763	0.65	0.061	0.003	1.32	0.73	1.42	1.14	263	67.7	0.00225	0.000114	20.5	11.6	1.57	1.22	0.313	0.066	0.21	0.07	<0.273	0.04	0.87	0.57
Minimum detected	16.7	0.02	0.395	0.364	<0.004	<0.004	0.11	<0.02	0.65	0.51	20.7	<3.25	0.00029	0.000017	1.73	0.084	0.42	0.25	0.015	<0.003	<0.033	<0.089	<0.006	<0.006	<0.10	<0.023
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or objectives																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	0	-	0	-	-	-	-	-	0	-	0	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	6[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R DS from Project Boundary (A5-1645.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1130	89.9	0.757	0.646	0.052	0.003	2.92	0.67	3.25	2.02	1510	75.9	0.0113	0.000186	30.9	12.4	5.47	1.22	0.771	0.2	0.25	0.12	<0.273	0.03	3.65	1.38
Minimum detected	18.2	4.1	0.416	0.397	<0.004	<0.002	<0.06	<0.02	0.61	0.54	20	<3.25	0.00027	<0.000013	2.51	0.111	0.61	0.25	0.019	<0.003	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	1	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	6	-	0	-	-	-	-	-	0	-	5	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	14[9], 1[10]	-	-	-	-	-	-	-	-	-	1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R at Singh AB Riviera Rd, (A5-1556.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	454	57.6	1.27	0.817	0.047	0.005	1.25	0.681	2.38	1.08	642	77.1	0.00233	0.000519	42	19	13.9	1.29	0.371	0.045	0.22	0.17	<0.273	0.045	1.94	1.3
Minimum detected	21.6	2.9	0.44	0.34	<0.004	<0.004	<0.06	<0.02	0.57	0.47	31.9	<1.64	0.00041	<0.000013	3.6	0.11	0.46	0.25	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.026	<0.023
Number of samples	31	29	31	29	31	29	31	29	31	29	31	29	29	28	31	29	31	29	31	29	31	29	15	14	31	29
Number of samples exceeding criteria or																										
Public Health Goal[1]	0	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	1	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	4	-	0	-	-	-	-	-	0	-	5	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	14[9]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Honcut C at Pacific Ranch NR Palermo (A5-7010.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1338	1129	3.53	1.86	0.091	0.003	3.56	2.66	7	4.51	4170	1138	0.01220	0.000399	1150	670	3.6	2.31	0.734	0.344	0.49	0.64	0.063	0.026	5.11	2.33
Minimum detected	4.16	1.9	0.176	0.142	<0.004	<0.004	0.08	<0.02	0.75	0.61	1.5	<3.31	0.00037	0.000051	5.41	0.2	0.15	0.06	0.005	<0.003	<0.04	<0.089	<0.006	<0.001	0.21	0.06
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or																										
Public Health Goal[1]	3	-	-	-	0	-	-	-	0	-	-	-	0	-	1	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	12	-	0	-	-	-	-	-	0	-	22	-	-	-	8	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	1	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9,10]	0	-	-	-	-	-	-	-	0	1[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	15[9], 3[10]	-	-	-	-	-	-	-	-	-	59	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Feather R A Archer Ave. (A5-1516.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	937	783	0.987	0.902	0.018	0.003	2.57	1.75	4.89	2.93	1318	642	0.01200	0.000161	40.9	19.3	3.34	2	0.666	0.182	0.3	0.12	0.072	0.042	3.53	1.2
Minimum detected	20.7	2.9	0.443	0.305	<0.004	<0.004	0.24	<0.02	0.62	0.54	38	<3.31	0.00039	0.000025	4.05	0.177	0.57	0.29	<0.018	<0.003	<0.04	<0.089	<0.006	<0.006	0.157	0.06
Number of samples	30	29	30	29	30	29	30	29	30	29	30	29	29	28	30	29	30	29	30	29	30	29	14	14	30	29
Number of samples exceeding criteria or																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	7	-	0	-	-	-	-	-	0	-	8	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9]	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	15[9], 1[10]	-	-	-	-	-	-	-	-	-	19	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R US from Yuba R (A5-1425.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	2120	1213	1.49	0.924	0.109	0.005	5.27	2.31	8.2	3.99	2815	1017	0.01940	0.00016	94	47.6	7.93	2.59	1.72	0.324	0.26	0.16	0.046	0.11	7.25	1.81
Minimum detected	32	4	0.425	0.398	<0.004	<0.002	<0.06	<0.02	0.56	0.46	61.2	<1.64	0.00079	<0.000013	6.46	0.163	0.61	0.17	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or																										
Public Health Goal[1]	3	-	-	-	1	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	2	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	14	-	0	-	-	-	-	-	0	-	17	-	-	-	7	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	1[9,10]	1[9]	-	-	-	-	-	-	-	0	2[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	26[9], 3[10]	-	-	-	-	-	-	-	-	-	3[9]	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Yuba R at Mouth (A6-1010.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	769	365	1.07	0.932	0.014	0.003	1.30	1.08	2.26	1.25	989	258	0.00919	0.000305	46.8	26.7	2.07	1.60	0.370	0.094	0.29	0.15	<0.273	0.034	2.13	0.91
Minimum detected	18.4	1.90	0.424	0.371	<0.004	<0.002	<0.06	<0.02	0.40	0.26	16.0	<1.64	0.00036	<0.000013	3.17	0.21	0.41	0.15	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	31	30	31	30	31	30	31	30	31	30	31	30	30	29	31	30	31	30	31	30	31	30	14	14	31	30
Number of samples exceeding criteria or																										
Public Health Goal[1]	1	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	0	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	5	-	0	-	-	-	-	-	0	-	4	-	-	-	0	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	0	0	-	-	-	-	-	-	-	0	0	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	18[9], 1[10]	-	-	-	-	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R at Shanghai Bend (A5-1389.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	2250	1287	1.63	0.942	0.027	0.003	6.11	2.5	9.23	4.44	3261	1094	0.01840	0.000216	133	66.9	8.43	2.74	2.06	1.320	0.24	0.15	0.072	0.048	8.46	1.95
Minimum detected	31.6	5.3	0.393	0.352	<0.004	<0.002	<0.06	<0.02	0.7	0.59	3.52	<1.64	0.00087	0.000031	3	0.17	0.77	0.15	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or																										
Public Health Goal[1]	3	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	1	-	-	-	-	-	-	-
Primary MCL[2]	3	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	14	-	0	-	-	-	-	-	0	-	18	-	-	-	6	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	3[9], 2[10]	1[9]	-	-	-	-	-	-	-	0	3[9]	1[9]	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	27[9], 3[10]	-	-	-	-	-	-	-	-	-	4	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Bear R near Mouth (A6-5010.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1504	1203	1.57	1.320	0.034	0.009	3.46	2.22	8.36	5.82	2880	1768	0.04070	0.000934	390	284	5.40	3.73	1.57	1.01	0.33	0.370	0.55	0.035	8.11	4.23
Minimum detected	53	5.5	0.39	0.282	<0.004	<0.004	0.23	<0.02	1.52	1.12	224	35.6	0.00205	0.000056	13.2	0.33	0.51	0.38	0.070	<0.011	<0.04	<0.04	<0.006	<0.001	0.38	0.19
Number of samples	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	14	14	29	29
Number of samples exceeding criteria or																										
Public Health Goal[1]	9	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	3	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	30	-	0	-	-	-	-	-	0	-	25	-	-	-	14	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	2	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	15[9]	2[9],1[10]	-	-	-	-	-	-	-	0	1[9]	1[9]	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	28[9], 4[10]	-	-	-	-	-	-	-	-	-	8	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Feather R near Verona (A5-1010.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	1500	1213	1.71	0.958	0.046	0.007	3.34	2.27	8.21	4.05	2152	1000	0.04680	0.000219	145	16.3	4.78	2.58	1.610	0.332	0.21	0.20	0.039	0.055	9.7	2.1
Minimum detected	51	5.6	0.491	0.386	<0.004	<0.004	0.10	<0.02	0.87	0.59	97.3	3.88	0.00171	0.000050	8.29	0.21	0.76	0.08	<0.002	<0.001	<0.07	<0.07	<0.006	<0.001	<0.035	<0.023
Number of samples	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	14	14	30	30
Number of samples exceeding criteria or																										
Public Health Goal[1]	4	-	-	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-
Primary MCL[2]	3	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-	0	-	0	-	-	-	-	-
Secondary MCL[2]	18	-	0	-	-	-	-	-	0	-	20	-	-	-	3	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	0	-	0	-	0	-	0	-	0	-	0	-	-	-	0	-	0	-	0	-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	4[9], 3[10]	1[9]	-	-	-	-	-	-	-	0	4[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	28[9], 3[10]	-	-	-	-	-	-	-	-	-	5	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Appendix 3c-3. Continued.

Sacramento R US from Feather R (A0-2157.50)

	Aluminum		Arsenic		Cadmium		Chromium		Copper		Iron		Mercury	Methyl Mercury	Manganese		Nickel		Lead		Selenium		Silver		Zinc	
	T	D	T	D	T	D	T	D	T	D	T	D	T	T	T	D	T	D	T	D	T	D	T	D	T	D
Maximum detected	5523	2769	2.62	2.540	0.129	0.033	14.1	5.48	16.9	6.12	8088	2015	0.02700	0.000193	211	21.6	23.6	5.87	3.2	0.652	0.45	0.350	0.062	0.035	31.4	6.31
Minimum detected	230	5.3	1.14	1.010	<0.004	<0.004	0.79	<0.02	1.78	0.86	284	<3.31	0.00134	0.000048	13.6	0.19	1.21	0.15	0.102	<0.003	<0.04	<0.089	<0.006	<0.006	1.64	0.24
Number of samples	29	28	29	28	29	28	29	28	29	28	29	28	28	27	29	28	29	28	29	28	29	28	14	14	29	28
Number of samples exceeding criteria or																										
Public Health Goal[1]	17	-	-	-	2	-	-	-	0	-	-	-	0	-	0	-	2	-		-	-	-	-	-	-	-
Primary MCL[2]	6	-	0	-	0	-	0	-	0	-	-	-	0	-	-	-	0	-		-	0	-	-	-	-	-
Secondary MCL[2]	29	-	0	-	-	-	-	-	0	-	28	-	-	-	9	-	-	-	-	-	-	-	0	-	0	-
Agricultural Goal[3]	1	-	0	-	0	-	0	-	0	-	1	-	-	-	1	-	0	-		-	0	-	-	-	0	-
Cal/EPA Cancer Potency Factor[4]	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTR[5] Humans	-	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-
CTR[5] Aquatic Life	-	-	-	0	0	0	-	0	5[9], 3[10]	1[9]	-	-	-	-	-	-	-	0	2[9]	0	-	-	0	0	0	0
NTR[6]	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-
NAWQC[7] Humans	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAWQC[7] Aquatic Life	29[9], 11[10]	-	-	-	-	-	-	-	-	-	14	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-
USEPA IRIS Reference Dose[8]	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	0	-

Footnotes:

1. California Environmental Protection Agency (Cal/EPA), Office of Environmental Health Hazard Assessment, *Public Health Goals for Chemicals in Drinking Water*
2. California Department of Health Services, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring
3. Food and Agriculture Organization of the United Nations, 1985. Water Quality for Agriculture.
4. Cal/EPA, Office of Environmental Health Hazard Assessment, Cal/EPA Toxicity Criteria Database
5. California State Water Resources Control Board, Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (2 March 2003)
6. U.S. Environmental Protection Agency, Federal Register, Volume 64, No. 216 (Tuesday, 9 November 1999) [National Toxics Rule revisions]
7. U.S. Environmental Protection Agency, Quality Criteria for Water, 1986 (May 1986) [The Gold Book] plus updates (various dates)
8. U.S. Environmental Protection Agency, Integrated Risk Information System [IRIS] database
9. Chronic (4 day average)
10. Acute (1 hr average)

Appendix 4. Organic contaminants and detection levels

Standard Test	Analyte	Detection Level	Unit
Chlorinated Organic Pesticide			
EPA 508	Alachlor	0.05	µg/L
EPA 508	Aldrin	0.01	µg/L
EPA 508	Atrazine	0.02	µg/L
EPA 508	BHC-alpha	0.01	µg/L
EPA 508	BHC-beta	0.01	µg/L
EPA 508	BHC-delta	0.01	µg/L
EPA 508	BHC-gamma (Lindane)	0.01	µg/L
EPA 508	Captan	0.02	µg/L
EPA 508	Chlordane	0.05	µg/L
EPA 508	Chlorothalonil	0.01	µg/L
EPA 508	Chlorpropham	0.02	µg/L
EPA 508	Chlorpyrifos	0.01	µg/L
EPA 508	Cyanazine	0.3	µg/L
EPA 508	Dacthal (DCPA)	0.01	µg/L
EPA 508	Dichloran	0.01	µg/L
EPA 508	Dicofol	0.05	µg/L
EPA 508	Dieldrin	0.01	µg/L
EPA 508	Diuron	0.25	µg/L
EPA 508	Endosulfan sulfate	0.02	µg/L
EPA 508	Endosulfan-I	0.01	µg/L
EPA 508	Endosulfan-II	0.01	µg/L
EPA 508	Endrin	0.01	µg/L
EPA 508	Endrin aldehyde	0.01	µg/L
EPA 508	Heptachlor	0.01	µg/L
EPA 508	Heptachlor epoxide	0.01	µg/L
EPA 508	Methoxychlor	0.05	µg/L
EPA 508	Metolachlor	0.2	µg/L
EPA 508	Oxyfluorfen	0.2	µg/L
EPA 508	p,p'-DDD	0.01	µg/L
EPA 508	p,p'-DDE	0.01	µg/L
EPA 508	p,p'-DDT	0.05	µg/L
EPA 508	PCB-1016	0.1	µg/L
EPA 508	PCB-1221	0.1	µg/L
EPA 508	PCB-1232	0.1	µg/L
EPA 508	PCB-1242	0.1	µg/L

Standard Test	Analyte	Detection Level	Unit
EPA 508	PCB-1248	0.1	µg/L
EPA 508	PCB-1254	0.1	µg/L
EPA 508	PCB-1260	0.1	µg/L
EPA 508	Pentachloronitrobenzene (PCNB)	0.01	µg/L
EPA 508	Ronnel	0.3	µg/L
EPA 508	Simazine	0.02	µg/L
EPA 508	Thiobencarb	0.02	µg/L
EPA 508	Toxaphene	0.4	µg/L
EPA 508	Trifluralin	0.05	µg/L
Organic Phosphorus Pesticides			
EPA 508	Azinphos methyl (Guthion)	0.05	µg/L
EPA 508	Benfluralin	0.01	µg/L
EPA 508	Bromacil	1	µg/L
EPA 508	Carbophenothion (Trithion)	0.02	µg/L
EPA 508	Chlorpyrifos	0.01	µg/L
EPA 508	Cyanazine	0.3	µg/L
EPA 508	Demeton (Demeton O + Demeton S)	0.02	µg/L
EPA 508	Diazinon	0.01	µg/L
EPA 508	Dimethoate	0.01	µg/L
EPA 508	Disulfoton	0.01	µg/L
EPA 508	Ethion	0.01	µg/L
EPA 508	Malathion	0.01	µg/L
EPA 508	Methidathion	0.02	µg/L
EPA 508	Mevinphos	0.01	µg/L
EPA 508	Naled	0.02	µg/L
EPA 508	Napropamide	5	µg/L
EPA 508	Norflurazon	5	µg/L
EPA 508	Parathion (Ethyl)	0.01	µg/L
EPA 508	Parathion, Methyl	0.01	µg/L
EPA 508	Pendimethalin	5	µg/L
EPA 508	Phorate	0.01	µg/L
EPA 508	Phosalone	0.02	µg/L
EPA 508	Phosmet	0.02	µg/L
EPA 508	Profenofos	0.01	µg/L
EPA 508	Prometryn	0.05	µg/L
EPA 508	Propetamphos	0.1	µg/L
EPA 508	Ronnel	0.01	µg/L

Standard Test	Analyte	Detection Level	Unit
EPA 508	s,s,s-Tributyl Phosphorotrithioate	0.01	µg/L
EPA 508	Trifluralin	0.01	µg/L
Volatile Organics (Purgeable)			
EPA 502.2	1,1,1,2-Tetrachloroethane	0.5	µg/L
EPA 502.2	1,1,1-Trichloroethane	0.5	µg/L
EPA 502.2	1,1,2,2-Tetrachloroethane	0.5	µg/L
EPA 502.2	1,1,2-Trichloroethane	0.5	µg/L
EPA 502.2	1,1-Dichloroethane	0.5	µg/L
EPA 502.2	1,1-Dichloroethene	0.5	µg/L
EPA 502.2	1,1-Dichloropropene	0.5	µg/L
EPA 502.2	1,2,3-Trichlorobenzene	0.5	µg/L
EPA 502.2	1,2,3-Trichloropropane	0.5	µg/L
EPA 502.2	1,2,4-Trichlorobenzene	0.5	µg/L
EPA 502.2	1,2,4-Trimethylbenzene	0.5	µg/L
EPA 502.2	1,2-Dibromo-3-chloropropane (DBCP)	0.5	µg/L
EPA 502.2	1,2-Dibromoethane	0.5	µg/L
EPA 502.2	1,2-Dichlorobenzene	0.5	µg/L
EPA 502.2	1,2-Dichloroethane	0.5	µg/L
EPA 502.2	1,2-Dichloropropane	0.5	µg/L
EPA 502.2	1,3,5-Trimethylbenzene	0.5	µg/L
EPA 502.2	1,3-Dichlorobenzene	0.5	µg/L
EPA 502.2	1,3-Dichloropropane	0.5	µg/L
EPA 502.2	1,4-Dichlorobenzene	0.5	µg/L
EPA 502.2	2,2-Dichloropropane	0.5	µg/L
EPA 502.2	2-Chlorotoluene	0.5	µg/L
EPA 502.2	4-Chlorotoluene	0.5	µg/L
EPA 502.2	4-Isopropyltoluene	0.5	µg/L
EPA 502.2	Benzene	0.5	µg/L
EPA 502.2	Bromobenzene	0.5	µg/L
EPA 502.2	Bromochloromethane	0.5	µg/L
EPA 502.2	Bromodichloromethane	0.5	µg/L
EPA 502.2	Bromoform	0.5	µg/L
EPA 502.2	Bromomethane	0.5	µg/L
EPA 502.2	Carbon tetrachloride	0.5	µg/L
EPA 502.2	Chlorobenzene	0.5	µg/L
EPA 502.2	Chloroethane	0.5	µg/L
EPA 502.2	Chloroform	0.5	µg/L

Standard Test	Analyte	Detection Level	Unit
EPA 502.2	Chloromethane	0.5	µg/L
EPA 502.2	cis-1,2-Dichloroethene	0.5	µg/L
EPA 502.2	cis-1,3-Dichloropropene	0.5	µg/L
EPA 502.2	Dibromochloromethane	0.5	µg/L
EPA 502.2	Chloromethane	0.5	µg/L
EPA 502.2	cis-1,2-Dichloroethene	0.5	µg/L
EPA 502.2	cis-1,3-Dichloropropene	0.5	µg/L
EPA 502.2	Dibromochloromethane	0.5	µg/L
EPA 502.2	Dibromomethane	0.5	µg/L
EPA 502.2	Dichlorodifluoromethane	0.5	µg/L
EPA 502.2	Ethyl benzene	0.5	µg/L
EPA 502.2	Fluorobenzene	0.5	µg/L
EPA 502.2	Hexachlorobutadiene	0.5	µg/L
EPA 502.2	Isopropylbenzene	0.5	µg/L
EPA 502.2	m + p Xylene	0.5	µg/L
EPA 8260	Methyl tert-butyl ether (MTBE)	0.5	µg/L
EPA 502.2	Methylene chloride	0.5	µg/L
EPA 502.2	n-Butylbenzene	0.5	µg/L
EPA 502.2	n-Propylbenzene	0.5	µg/L
EPA 502.2	Naphthalene	0.5	µg/L
EPA 502.2	o-Xylene	0.5	µg/L
EPA 502.2	sec-Butylbenzene	0.5	µg/L
EPA 502.2	Styrene	0.5	µg/L
EPA 502.2	tert-Butylbenzene	0.5	µg/L
EPA 502.2	Tetrachloroethene	0.5	µg/L
EPA 502.2	Toluene	0.5	µg/L
EPA 502.2	trans-1,2-Dichloroethene	0.5	µg/L
EPA 502.2	trans-1,3-Dichloropropene	0.5	µg/L
EPA 502.2	Trichloroethene	0.5	µg/L
EPA 502.2	Trichlorofluoromethane	0.5	µg/L
EPA 502.2	Vinyl chloride	0.5	µg/L
Chlorinated Phenoxy Acid Herbicides			
EPA 515.1	2,4,5-T	0.1	µg/L
EPA 515.1	2,4,5-TP (Silvex)	0.1	µg/L
EPA 515.1	2,4-D	0.1	µg/L
EPA 515.1	2,4-DB	0.1	µg/L
EPA 515.1	2,4-Dichlorophenylacetic acid (DCAA)	0.1	µg/L

Standard Test	Analyte	Detection Level	Unit
EPA 515.1	Dacthal (DCPA)	0.1	µg/L
EPA 515.1	Dicamba	0.1	µg/L
EPA 515.1	Dichlorprop	0.1	µg/L
EPA 515.1	Dinoseb (DNPB)	0.1	µg/L
EPA 515.1	MCPA	0.1	µg/L
EPA 515.1	MCPP	0.1	µg/L
EPA 515.1	Pentachlorophenol (PCP)	0.1	µg/L
EPA 515.1	Picloram	0.1	µg/L
EPA 515.1	Triclopyr	0.1	µg/L
EPA 547	Aminomethylphosphonic Acid (AMPA)	100	µg/L
EPA 547	Glyphosate	100	µg/L
Carbamate Pesticides			
EPA 531.1	3-Hydroxycarbofuran	2	µg/L
EPA 531.1	Aldicarb	2	µg/L
EPA 531.1	Aldicarb sulfone	2	µg/L
EPA 531.1	Aldicarb sulfoxide	2	µg/L
EPA 531.1	Carbaryl	2	µg/L
EPA 531.1	Carbofuran	2	µg/L
EPA 531.1	Formetanate hydrochloride	100	µg/L
EPA 531.1	Methiocarb	4	µg/L
EPA 531.1	Methomyl	2	µg/L
EPA 531.1	Oxamyl	2	µg/L

Appendix 5a. Bacteria detected at SPW1 water quality monitoring stations.

Bacteria Criteria		Total Coliform (#/100 mL)	Fecal Coliform (#/100 mL)
DHS[a]	Single sample maximum	10,000	400
CVRWQCB[b]			200[c] 400[d]

Station Name	Sample Date	Sample Time	Total Coliform Sample Size (mL)	Total Coliform Count #/100 mL	Fecal Coliform Sample Size (mL)	Fecal Coliform Count #/100 mL
West Branch nr Paradise	9/24/02	0630	50	0	100	1
West Branch nr Paradise	9/24/02	0630	25	0		
West Branch nr Paradise	10/18/02	0745	100	8	50	0
West Branch nr Paradise	11/12/02	1245	100	0	100	30
West Branch nr Paradise	12/10/02	1200	100	80	100	10
West Branch nr Paradise	12/16/02	1345	100	62	100	9
West Branch nr Paradise	1/8/03	1000	100	114	100	4
West Branch nr Paradise	3/12/03	1230	100	54	100	0
West Branch nr Paradise	4/15/03	1145	50	40	100	0
West Branch nr Paradise	4/15/03	1145	25	48		
West Branch nr Paradise	5/13/03	1045	100	16	100	0
West Branch nr Paradise	6/11/03	1000	100	45	100	3
West Branch nr Paradise	7/15/03	1200	100	125	100	4
West Branch nr Paradise	8/19/03	1015	50	270	100	0
West Branch nr Paradise	8/19/03	1015	25	588		
West Branch nr Paradise	9/16/03	1140	50	150	100	0
West Branch nr Paradise	9/16/03	1140	25	192		
West Branch nr Paradise	10/16/03	1315	50	60	100	0
West Branch nr Paradise	10/16/03	1315	25	88		
West Branch nr Paradise	11/12/03	1515	100	75	100	0
West Branch nr Paradise	12/9/03	1230	100	19	100	10
West Branch nr Paradise	1/14/04	1200	100	161	100	2
West Branch nr Paradise	2/3/04	1130	50	348	50	6
West Branch nr Paradise	2/18/04	1100	50	230	50	20
West Branch nr Paradise	3/15/04	1245	25	72	100	0
West Branch US LK Oroville	4/23/02	1530	50	168	100	0
West Branch US LK Oroville	4/23/02	1530	25	252		
West Branch US LK Oroville	5/21/02	1515	50	52	100	0
West Branch US LK Oroville	5/21/02	1515	25	80		
West Branch US LK Oroville	6/25/02	1000	50	0	100	3

* sampling site moved to West Branch nr Paradise due to inaccessibility during lower lake

levels

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Concow C A Jordan Hill Rd	5/15/02	0850	25	448		
Concow C A Jordan Hill Rd	6/17/02	0630	50	6	100	19
Concow C A Jordan Hill Rd	6/17/02	0630	25	48		
Concow C A Jordan Hill Rd	7/15/02	0645	50	0	100	7
Concow C A Jordan Hill Rd	7/15/02	0645	25	0		
Concow C A Jordan Hill Rd	9/24/02	0800	100	4	100	4
Concow C A Jordan Hill Rd	9/24/02	0800	50	8		
Concow C A Jordan Hill Rd	10/18/02	0900	50	20	50	24
Concow C A Jordan Hill Rd	10/18/02	0900	25	36		
Concow C A Jordan Hill Rd	11/12/02	1115	100	1	100	4
Concow C A Jordan Hill Rd	12/10/02	1040	100	59	100	4
Concow C A Jordan Hill Rd	12/16/02	1230	100	63	100	0
Concow C A Jordan Hill Rd	1/8/03	0845	100	78	100	4
Concow C A Jordan Hill Rd	2/18/03	1230	100	18	100	3
Concow C A Jordan Hill Rd	3/12/03	1100	100	46	100	0
Concow C A Jordan Hill Rd	4/15/03	1015	100	27	100	0
Concow C A Jordan Hill Rd	5/13/03	0930	100	24	100	13
Concow C A Jordan Hill Rd	6/11/03	0845	100	3	100	0
Concow C A Jordan Hill Rd	7/15/03	1035	100	135	100	7
Concow C A Jordan Hill Rd	8/19/03	0900	50	178	100	1
Concow C A Jordan Hill Rd	8/19/03	0900	25	236		
Concow C A Jordan Hill Rd	9/16/03	1015	50	84	100	3
Concow C A Jordan Hill Rd	9/16/03	1015	25	204		
Concow C A Jordan Hill Rd	10/16/03	1135	50	78	100	2
Concow C A Jordan Hill Rd	10/16/03	1135	25	92		
Concow C A Jordan Hill Rd	11/12/03	1400	100	34	100	1
Concow C A Jordan Hill Rd	12/9/03	1110	100	24	100	2
Concow C A Jordan Hill Rd	1/14/04	1020	100	109	100	8
Concow C A Jordan Hill Rd	2/3/04	0945	50	294	50	14
Concow C A Jordan Hill Rd	2/18/04	0940	50	426	50	18
Concow C A Jordan Hill Rd	3/15/04	1120	25	284	100	0
NF Feather R US Poe PH	7/15/02	0745	50	0	100	1
NF Feather R US Poe PH	7/15/02	0745	25	0		
NF Feather R US Poe PH	9/24/02	0900	50	6	100	2
NF Feather R US Poe PH	9/24/02	0900	25	8		
NF Feather R US Poe PH	10/18/02	0945	50	10	50	2
NF Feather R US Poe PH	10/18/02	0945	25	16		
NF Feather R US Poe PH	11/12/02	0930	100	0	100	0

NF Feather R US Poe PH	12/10/02	0900	100	60	100	6

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
NF Feather R US Poe PH	12/16/02	1015	100	62	100	0
NF Feather R US Poe PH	1/8/03	0745	100	14	100	1
NF Feather R US Poe PH	2/18/03	1045	100	10	100	0
NF Feather R US Poe PH	3/12/03	0900	100	126	100	-
NF Feather R US Poe PH	4/15/03	0815	50	50	100	2
NF Feather R US Poe PH	4/15/03	0815	25	84		
NF Feather R US Poe PH	5/13/03	0745	100	24	100	0
NF Feather R US Poe PH	6/11/03	0720	100	3	100	2
NF Feather R US Poe PH	7/15/03	-	100	234	100	1
NF Feather R US Poe PH	8/19/03	0715	50	2016	100	2
NF Feather R US Poe PH	8/19/03	0715	25	2288		
NF Feather R US Poe PH	9/16/03	0840	50	76	100	0
NF Feather R US Poe PH	9/16/03	0840	25	116		
NF Feather R US Poe PH	10/16/03	0930	50	60	100	0
NF Feather R US Poe PH	10/16/03	0930	25	196		
NF Feather R US Poe PH	11/12/03	1230	100	78	100	1
NF Feather R US Poe PH	12/9/03	0915	100	30	100	13
NF Feather R US Poe PH	1/14/04	0840	100	225	100	1
NF Feather R US Poe PH	2/3/04	0740	50	312	50	4
NF Feather R US Poe PH	2/18/04	0800	50	118	50	0
NF Feather R US Poe PH	3/15/04	0950	25	376	100	0
Poe Powerhouse Outflow	7/15/02	0800	50	16	100	3
Poe Powerhouse Outflow	7/15/02	0800	25	52		
Poe Powerhouse Outflow	9/24/02	0930	50	0	100	0
Poe Powerhouse Outflow	9/24/02	0930	25	0		
Poe Powerhouse Outflow	10/18/02	1010	100	2	50	2
Poe Powerhouse Outflow	11/12/02	1000	100	0	100	0
Poe Powerhouse Outflow	12/10/02	0945	100	40	100	1
Poe Powerhouse Outflow	12/16/02	1115	100	61	100	36
Poe Powerhouse Outflow	1/8/03	0810	100	22	100	4
Poe Powerhouse Outflow	2/18/03	1110	100	14	100	3
Poe Powerhouse Outflow	4/15/03	0815	100	72	100	37
Poe Powerhouse Outflow	5/13/03	0815	100	23	100	2
Poe Powerhouse Outflow	6/11/03	0750	100	17	100	0
Poe Powerhouse Outflow	7/15/03	0920	100	TNTC	100	2
Poe Powerhouse Outflow	8/19/03	0800	50	470	100	2
Poe Powerhouse Outflow	8/19/03	0800	25	420		
Poe Powerhouse Outflow	9/16/03	0915	50	122	100	0
Poe Powerhouse Outflow	9/16/03	0915	25	156		

Poe Powerhouse Outflow	10/16/03	1015	50	130	100	1

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Poe Powerhouse Outflow	10/16/03	1015	25	132		
Poe Powerhouse Outflow	11/12/03	1300	100	75	100	2
Poe Powerhouse Outflow	12/9/03	1000	100	71	100	41
Poe Powerhouse Outflow	1/14/04	0915	100	131	100	1
Poe Powerhouse Outflow	2/3/04	0835	50	234	50	4
Poe Powerhouse Outflow	2/18/04	0830	50	120	50	0
Poe Powerhouse Outflow	3/15/04	1030	25	284	100	0
NF Feather R DS Poe PH	3/28/02	1730	50	114	100	1
NF Feather R DS Poe PH	3/28/02	1730	25	88		
NF Feather R DS Poe PH	5/15/02	0930	50	160	100	0
NF Feather R DS Poe PH	6/17/02	0730	50	160	100	6
NF Feather R DS Poe PH	6/17/02	0730	25	228		
Feather R MF NR Merrimac	3/28/02	1530	50	128	100	0
Feather R MF NR Merrimac	3/28/02	1530	25	232		
Feather R MF NR Merrimac	4/23/02	1145	50	54	100	0
Feather R MF NR Merrimac	4/23/02	1145	25	116		
Feather R MF NR Merrimac	5/15/02	1300	50	52	100	0
Feather R MF NR Merrimac	5/15/02	1300	25	112		
Feather R MF NR Merrimac	6/17/02	0945	50	140	100	1
Feather R MF NR Merrimac	6/17/02	0945	25	228		
Feather R MF NR Merrimac	7/15/02	1330	50	0	100	0
Feather R MF NR Merrimac	7/15/02	1330	25	4		
Feather R MF NR Merrimac	9/24/02	1530	50	8	100	0
Feather R MF NR Merrimac	9/24/02	1530	25	8		
Feather R MF NR Merrimac	10/17/02	0800	100	9	50	0
Feather R MF NR Merrimac	11/12/02	1010	100	0	100	40
Feather R MF NR Merrimac	12/10/02	1230	100	119	100	0
Feather R MF NR Merrimac	1/9/03	1015	100	50	100	1
Feather R MF NR Merrimac	2/18/03	1000	100	31	100	0
Feather R MF NR Merrimac	3/12/03	1245	100	97	100	2
Feather R MF NR Merrimac	4/15/03	1200	50	40	100	0
Feather R MF NR Merrimac	4/15/03	1200	25	84		
Feather R MF NR Merrimac	5/13/03	0740	100	29	100	0
Feather R MF NR Merrimac	6/11/03	1200	100	29	100	0
Feather R MF NR Merrimac	7/15/03	0945	100	TNTC	100	0
Feather R MF NR Merrimac	8/19/03	1115	50	292	100	0
Feather R MF NR Merrimac	8/19/03	1115	25	468		
Feather R MF NR Merrimac	9/16/03	0745	50	184	100	0
Feather R MF NR Merrimac	9/16/03	0745	25	184		

Feather R MF NR Merrimac	10/16/03	1300	50	340	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R MF NR Merrimac	10/16/03	1300	25	580		
Feather R MF NR Merrimac	11/12/03	0945	100	48	100	0
Feather R MF NR Merrimac	12/9/03	1220	100	57	100	5
Feather R MF NR Merrimac	1/14/04	0900	100	155	100	1
Feather R MF NR Merrimac	2/3/04	0820	50	120	50	0
Feather R MF NR Merrimac	2/18/04	1050	50	140	50	6
Feather R MF NR Merrimac	3/15/04	1420	25	164	50	0
Fall R US Feather Falls	3/28/02	1145	50	310	100	2
Fall R US Feather Falls	3/28/02	1145	25	208		
Fall R US Feather Falls	4/22/02	1310	50	100	100	0
Fall R US Feather Falls	4/22/02	1310	25	88		
Fall R US Feather Falls	5/16/02	0910	50	242	100	4
Fall R US Feather Falls	5/16/02	0910	25	292		
Fall R US Feather Falls	6/18/02	0915	50	64	100	1
Fall R US Feather Falls	7/15/02	1045	50	0	100	15
Fall R US Feather Falls	7/15/02	1045	25	0		
Fall R US Feather Falls	9/24/02	1030	50	14	100	13
Fall R US Feather Falls	9/24/02	1030	25	56		
Fall R US Feather Falls	10/17/02	1300	100	38	50	0
Fall R US Feather Falls	11/13/02	1030	100	20	100	9
Fall R US Feather Falls	12/9/02	0930	100	107	100	0
Fall R US Feather Falls	12/16/02	0945	100	91	100	92
Fall R US Feather Falls	1/8/03	1100	100	142	100	6
Fall R US Feather Falls	2/18/03	1035	100	26	100	8
Fall R US Feather Falls	3/12/03	1045	100	83	100	-
Fall R US Feather Falls	4/15/03	1100	50	36	100	4
Fall R US Feather Falls	4/15/03	1100	25	52		
Fall R US Feather Falls	5/13/03	1000	100	13	100	0
Fall R US Feather Falls	6/11/03	1000	100	31	100	0
Fall R US Feather Falls	7/14/03	0830	100	TNTC	100	-
Fall R US Feather Falls	8/18/03	1030	100	86	100	4
Fall R US Feather Falls	9/15/03	0950	100	1252	100	3
Fall R US Feather Falls	10/15/03	1020	100	260	100	0
Fall R US Feather Falls	11/13/03	1115	100	9	100	3
Fall R US Feather Falls	12/9/03	1050	100	76	100	7
Fall R US Feather Falls	1/14/04	1230	100	81	100	4
Fall R US Feather Falls	2/3/04	1130	50	196	50	14
Fall R US Feather Falls	2/18/04	1050	50	900	50	866
Fall R US Feather Falls	3/15/04	1145	25	96	25	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
SF Feather R US Ponderosa Res	3/28/02	0815	50	TNTC	100	1
SF Feather R US Ponderosa Res	3/28/02	0815	25	84		
SF Feather R US Ponderosa Res	4/23/02	0830	50	76	100	0
SF Feather R US Ponderosa Res	4/23/02	0830	25	136		
SF Feather R US Ponderosa Res	5/16/02	1315	50	162	100	0
SF Feather R US Ponderosa Res	5/16/02	1315	25	168		
SF Feather R US Ponderosa Res	6/17/02	1200	50	44	100	0
SF Feather R US Ponderosa Res	6/17/02	1200	25	32		
SF Feather R US Ponderosa Res	7/15/02	1015	50	14	100	4
SF Feather R US Ponderosa Res	7/15/02	1015	25	32		
SF Feather R US Ponderosa Res	9/24/02	1215	50	10	100	2
SF Feather R US Ponderosa Res	9/24/02	1215	25	12		
SF Feather R US Ponderosa Res	10/17/02	1115	100	5	50	0
SF Feather R US Ponderosa Res	11/12/02	1310	100	0	100	0
SF Feather R US Ponderosa Res	12/10/02	1000	100	67	100	8
SF Feather R US Ponderosa Res	12/16/02	1130	100	23	100	0
SF Feather R US Ponderosa Res	1/9/03	1500	100	88	100	6
SF Feather R US Ponderosa Res	2/18/03	1430	100	50	100	1
SF Feather R US Ponderosa Res	3/12/03	0930	100	152	100	0
SF Feather R US Ponderosa Res	4/15/03	0915	50	98	100	4
SF Feather R US Ponderosa Res	4/15/03	0915	25	132		
SF Feather R US Ponderosa Res	5/13/03	1130	50	64	100	0
SF Feather R US Ponderosa Res	5/13/03	1130	25	64		
SF Feather R US Ponderosa Res	6/11/03	0930	50	48	100	1
SF Feather R US Ponderosa Res	6/11/03	0930	25	54		
SF Feather R US Ponderosa Res	7/15/03	1235	100	262	100	1
SF Feather R US Ponderosa Res	8/19/03	0830	50	422	100	3
SF Feather R US Ponderosa Res	8/19/03	0830	25	392		
SF Feather R US Ponderosa Res	9/16/03	1015	50	112	100	0
SF Feather R US Ponderosa Res	9/16/03	1015	25	160		
SF Feather R US Ponderosa Res	10/16/03	0945	50	140	100	6
SF Feather R US Ponderosa Res	10/16/03	0945	25	176		
SF Feather R US Ponderosa Res	11/12/03	1100	100	87	100	1
SF Feather R US Ponderosa Res	12/9/03	0850	100	57	100	15
SF Feather R US Ponderosa Res	1/15/04	1130	100	143	50	2
SF Feather R US Ponderosa Res	2/3/04	1245	50	578	50	22
SF Feather R US Ponderosa Res	2/18/04	1330	50	300	50	30
SF Feather R US Ponderosa Res	3/15/04	1010	25	180	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Sucker Run NR Forbestown	3/28/02	0900	50	162	100	9
Sucker Run NR Forbestown	3/28/02	0900	25	226		
Sucker Run NR Forbestown	4/23/02	0945	50	418	100	13
Sucker Run NR Forbestown	4/23/02	0945	25	560		
Sucker Run NR Forbestown	5/16/02	1215	50	104	100	6
Sucker Run NR Forbestown	5/16/02	1215	25	168		
Sucker Run NR Forbestown	6/17/02	1300	50	182	100	0
Sucker Run NR Forbestown	6/17/02	1300	25	316		
Sucker Run NR Forbestown	7/15/02	1120	50	0	100	9
Sucker Run NR Forbestown	7/15/02	1120	25	0		
Sucker Run NR Forbestown	9/24/02	-	50	10	100	3
Sucker Run NR Forbestown	9/24/02	-	25	8		
Sucker Run NR Forbestown	10/17/02	1000	50	26	50	6
Sucker Run NR Forbestown	10/17/02	1000	25	24		
Sucker Run NR Forbestown	11/12/02	1430	100	0	100	0
Sucker Run NR Forbestown	12/9/02	1200	100	339	100	2
Sucker Run NR Forbestown	12/16/02	1330	100	72	100	0
Sucker Run NR Forbestown	1/9/03	1220	100	122	100	29
Sucker Run NR Forbestown	2/18/03	1215	100	67	100	5
Sucker Run NR Forbestown	3/12/03	1330	100	TNTC	100	-
Sucker Run NR Forbestown	4/15/03	0730	50	128	100	7
Sucker Run NR Forbestown	4/15/03	0730	25	180		
Sucker Run NR Forbestown	5/13/03	0945	50	58	100	1
Sucker Run NR Forbestown	5/13/03	0945	25	120		
Sucker Run NR Forbestown	6/11/03	0800	50	98	100	2
Sucker Run NR Forbestown	6/11/03	0800	25	124		
Sucker Run NR Forbestown	7/14/03	1130	100	TNTC	100	0
Sucker Run NR Forbestown	8/18/03	1310	100	121	100	3
Sucker Run NR Forbestown	9/15/03	1225	100	401	100	5
Sucker Run NR Forbestown	10/15/03	1315	100	TNTC	100	11
Sucker Run NR Forbestown	11/12/03	1215	100	78	100	10
Sucker Run NR Forbestown	12/9/03	1000	50	126	100	28
Sucker Run NR Forbestown	12/9/03	1000	25	196		
Sucker Run NR Forbestown	1/14/04	1110	25	212	100	12
Sucker Run NR Forbestown	1/14/04	1110	50	240		
Sucker Run NR Forbestown	2/3/04	1040	50	596	50	32
Sucker Run NR Forbestown	2/18/04	1440	50	394	50	42
Sucker Run NR Forbestown	2/18/04	1440	25	200		
Sucker Run NR Forbestown	3/15/04	1145	25	460	100	3

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
SF Feather R DS Ponderosa Res	1/9/03	1320	100	52	100	1
SF Feather R DS Ponderosa Res	2/18/03	1245	100	13	100	0
SF Feather R DS Ponderosa Res	3/12/03	1030	100	33	100	-
SF Feather R DS Ponderosa Res	4/15/03	0815	100	62	100	8
SF Feather R DS Ponderosa Res	5/13/03	1030	100	7	100	0
SF Feather R DS Ponderosa Res	6/11/03	0830	100	5	100	0
SF Feather R DS Ponderosa Res	7/15/03	1145	100	TNTC	100	2
SF Feather R DS Ponderosa Res	8/19/03	0740	50	360	100	3
SF Feather R DS Ponderosa Res	8/19/03	0740	25	940		
SF Feather R DS Ponderosa Res	9/16/03	1130	50	184	100	2
SF Feather R DS Ponderosa Res	9/16/03	1130	25	188		
SF Feather R DS Ponderosa Res	10/16/03	1100	50	26	100	0
SF Feather R DS Ponderosa Res	10/16/03	1100	25	32		
SF Feather R DS Ponderosa Res	11/12/03	1130	100	95	100	3
SF Feather R DS Ponderosa Res	12/9/03	1025	100	12	100	2
SF Feather R DS Ponderosa Res	1/14/04	1200	100	26	100	0
SF Feather R DS Ponderosa Res	2/3/04	1115	50	68	50	4
SF Feather R DS Ponderosa Res	2/18/04	1530	50	398	50	0
SF Feather R DS Ponderosa Res	3/15/04	1220	25	8	100	0
SF Feather R DS Ponderosa Res	3/15/04	1220			25	0
Miner's Ranch Canal	9/24/02	1315	50	2	100	0
Miner's Ranch Canal	9/24/02	1315	25	20		
Miner's Ranch Canal	10/17/02	1020	100	2	50	2
Miner's Ranch Canal	11/12/02	1510	100	0	100	0
Miner's Ranch Canal	12/9/02	1240	100	21	100	0
Miner's Ranch Canal	12/16/02	1400	100	111	100	0
Miner's Ranch Canal	1/9/03	1350	100	40	100	4
LK Oroville N F	4/23/02	1000	50	20	100	0
LK Oroville N F	4/23/02	1000	25	16		
LK Oroville N F	5/21/02	0930	50	158	100	0
LK Oroville N F	5/21/02	0930	25	56		
LK Oroville N F	6/25/02	1200	50	0	100	0
LK Oroville N F	7/22/02	1230	50	-	100	1
LK Oroville N F	8/13/02	1300	50	68	100	0
LK Oroville N F	8/13/02	1300	25	52		
LK Oroville N F	10/28/02	1115	100	0	100	0
LK Oroville N F	11/20/02	1200	100	-	100	-

LK Oroville N F	2/24/03	1245	100	8	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
LK Oroville N F	3/20/03	1050	100	160	100	0
LK Oroville N F	4/30/03	1400	100	3	100	0
LK Oroville N F	6/2/03	1130	100	89	100	0
LK Oroville N F	6/24/03	1030	100	42	100	1
LK Oroville N F	7/22/03	1100	100	3	100	-
LK Oroville N F	8/26/03	0915	100	20	100	0
LK Oroville N F	10/21/03	0940	100	25	100	0
LK Oroville N F	11/18/03	1110	100	24	100	0
LK Oroville N F	12/16/03	1015	100	14	100	3
LK Oroville N F	1/21/04	0900	100	22	100	0
LK Oroville N F	3/22/04	1000	25	2252	100	0
LK Oroville N F	4/22/04	1130	100	162	100	0
Lk Oroville M F	4/29/02	1200	50	4	100	0
Lk Oroville M F	5/23/02	1300	50	24	100	0
Lk Oroville M F	5/23/02	1300	25	48		
Lk Oroville M F	6/19/02	0800	50	6	100	0
Lk Oroville M F	7/16/02	-	50	12	100	0
Lk Oroville M F	8/14/02	0900	50	0	100	0
Lk Oroville M F	10/23/02	1200	100	2	100	0
Lk Oroville M F	11/20/02	1015	100	-	100	-
Lk Oroville M F	12/17/02	0845	100	46	100	0
Lk Oroville M F	1/15/03	1100	100	13	100	1
Lk Oroville M F	2/20/03	1145	100	5	100	0
Lk Oroville M F	3/24/03	1110	100	96	100	2
Lk Oroville M F	4/22/03	1200	100	1	100	0
Lk Oroville M F	5/29/03	1245	100	30	100	0
Lk Oroville M F	6/24/03	0815	100	64	100	0
Lk Oroville M F	7/23/03	0845	100	-	100	-
Lk Oroville M F	8/26/03	1145	100	78	100	0
Lk Oroville M F	10/22/03	1145	100	6	100	0
Lk Oroville M F	11/19/03	1155	100	0	100	0
Lk Oroville M F	12/16/04	1230	100	0	100	0
Lk Oroville M F	1/21/04	1100	100	8	100	1
Lk Oroville M F	2/26/04		100	20	100	0
Lk Oroville M F	3/23/04	1300	25	212	100	1
LK Oroville S F	4/25/02	0830	50	94	100	0
LK Oroville S F	5/24/02	0900	50	34	100	0
LK Oroville S F	6/20/02	0840	50	12	100	0
LK Oroville S F	7/16/02	0830	100	0	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
LK Oroville S F	7/16/02	0830	50	14	100	0
LK Oroville S F	8/19/02	1330	50	0	100	0
LK Oroville S F	10/23/02	1340	100	0	100	0
LK Oroville S F	11/20/02	0840	100	-	100	-
LK Oroville S F	12/17/02	1030	100	99	100	0
LK Oroville S F	1/15/03	0900	100	95	100	4
LK Oroville S F	2/20/03	1400	100	11	100	0
LK Oroville S F	3/24/03	1300	100	17	100	1
LK Oroville S F	4/22/03	1030	100	10	100	0
LK Oroville S F	5/29/03	1100	100	30	100	0
LK Oroville S F	6/23/03	1245	100	47	100	1
LK Oroville S F	7/23/03	0730	100	-	100	-
LK Oroville S F	8/26/03	1400	100	6	100	0
LK Oroville S F	10/22/03	0930	100	0	100	0
LK Oroville S F	11/19/03	1415	50	4	50	0
LK Oroville S F	12/16/03		100	5	100	0
LK Oroville S F	1/20/04	1345	100	45	100	0
LK Oroville S F	2/23/04	1235	100	27	100	0
LK Oroville S F	3/23/04	1100	25	180	100	0
Lk Oroville Main Body	4/30/02	1000	50	2	100	0
Lk Oroville Main Body	5/23/02	1245	50	0	100	0
Lk Oroville Main Body	5/23/02	1245	25	8		
Lk Oroville Main Body	6/26/02	-	50	0	100	0
Lk Oroville Main Body	7/17/02	0745	100	0	100	0
Lk Oroville Main Body	8/14/02	1200	50	0	100	0
Lk Oroville Main Body	9/23/02	1200	100	0	100	0
Lk Oroville Main Body	10/23/02	0920	100	1	100	0
Lk Oroville Main Body	11/20/02	1400	100	-	100	0
Lk Oroville Main Body	1/15/03	1615	100	33	100	0
Lk Oroville Main Body	2/19/03	1340	100	16	100	0
Lk Oroville Main Body	3/25/03	1000	100	66	100	0
Lk Oroville Main Body	4/30/03	1005	100	2	100	0
Lk Oroville Main Body	6/2/03	0845	100	66	100	0
Lk Oroville Main Body	6/23/03	1030	100	19	100	0
Lk Oroville Main Body	7/21/03	0830	100	2	100	0
Lk Oroville Main Body	8/25/03	1005	100	57	100	0
Lk Oroville Main Body	9/22/03	0940	100	247	100	0
Lk Oroville Main Body	10/21/03	1210	100	23	100	0

Lk Oroville Main Body	11/18/03	1340	100	6	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Lk Oroville Main Body	12/15/03	1130	100	0	100	0
Lk Oroville Main Body	1/20/04	1200	100	72	100	0
Lk Oroville Main Body	2/23/04	1100	100	15	100	0
Lk Oroville Main Body	3/22/04	1215	25	60	100	0
Lake Oroville A Dam	5/2/02	1200	50	8	100	0
Lake Oroville A Dam	5/2/02	1200	25	0		
Lake Oroville A Dam	5/29/02	0945	100	4	50	0
Lake Oroville A Dam	6/26/02	1245	50	0	100	0
Lake Oroville A Dam	7/17/02	1130	100	0	100	0
Lake Oroville A Dam	8/15/02	1100	50	0	100	0
Lake Oroville A Dam	9/18/02	0845	100	0	100	0
Lake Oroville A Dam	10/21/02	1130	100	1	100	0
Lake Oroville A Dam	11/20/02	1120	100	-	100	0
Lake Oroville A Dam	2/19/03	1030	100	16	100	-
Lake Oroville A Dam	3/25/03	1130	100	19	100	0
Lake Oroville A Dam	4/21/03	1130	100	14	100	0
Lake Oroville A Dam	5/21/03	1030	100	59	100	0
Lake Oroville A Dam	6/23/03	0815	100	55	100	0
Lake Oroville A Dam	7/21/03	1030	100	0	100	0
Lake Oroville A Dam	8/25/03	1215	100	4	100	0
Lake Oroville A Dam	9/22/03	1220	100	1	100	0
Lake Oroville A Dam	10/20/03	1050	100	5	100	0
Lake Oroville A Dam	11/17/03	1150	100	4	100	0
Lake Oroville A Dam	12/15/03	1330	100	1	100	0
Lake Oroville A Dam	1/20/04	0915	100	140	100	0
Lake Oroville A Dam	2/23/04	0845	100	198	100	1
Lake Oroville A Dam	3/22/04	1420	25	16	75	0
Thermalito DIV Pool US Kelly Ridge PH	4/3/02	0845	50	58	100	1
Thermalito DIV Pool US Kelly Ridge PH	4/3/02	0845	25	40		
Thermalito DIV Pool US Kelly Ridge PH	4/22/02	1345	50	54	100	0
Thermalito DIV Pool US Kelly Ridge PH	4/22/02	1345	25	52		
Thermalito DIV Pool US Kelly Ridge PH	5/22/02	-	25	0		
Thermalito DIV Pool US Kelly Ridge PH	6/18/02	-	50	30	100	0
Thermalito DIV Pool US Kelly Ridge PH	7/23/02	0740	100	16	100	1
Thermalito DIV Pool US Kelly Ridge PH	8/20/02	1630	100	-	100	0
Thermalito DIV Pool US Kelly Ridge PH	9/24/02	1235	50	0	100	0
Thermalito DIV Pool US Kelly Ridge PH	11/18/02	1345	100	3	100	1
Thermalito DIV Pool US Kelly Ridge PH	12/16/02	0930	50	54	50	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Thermalito DIV Pool US Kelly Ridge PH	1/13/03	1215	100	42	100	0
Thermalito DIV Pool US Kelly Ridge PH	2/25/03	1700	100	18	100	-
Thermalito DIV Pool US Kelly Ridge PH	3/18/03	1115	100	43	100	1
Thermalito DIV Pool US Kelly Ridge PH	4/14/03	1445	100	24	100	1
Thermalito DIV Pool US Kelly Ridge PH	5/22/03	-	50	4	100	0
Thermalito DIV Pool US Kelly Ridge PH	5/28/03	0845	100	215	100	1
Thermalito DIV Pool US Kelly Ridge PH	6/24/03	1340	100	47	100	-
Thermalito DIV Pool US Kelly Ridge PH	7/22/03	0840	100	34	100	0
Thermalito DIV Pool US Kelly Ridge PH	8/26/03	1130	50	362	100	0
Thermalito DIV Pool US Kelly Ridge PH	8/26/03	1130	25	586		
Thermalito DIV Pool US Kelly Ridge PH	9/23/03	1400	100	118	100	0
Thermalito DIV Pool US Kelly Ridge PH	10/20/03	1045	50	46	100	0
Thermalito DIV Pool US Kelly Ridge PH	11/17/03	1215	100	12	100	1
Thermalito DIV Pool US Kelly Ridge PH	12/15/03	1045	100	5	100	0
Thermalito DIV Pool US Kelly Ridge PH	1/21/04	1145	100	14	100	1
Thermalito DIV Pool US Kelly Ridge PH	2/23/04	1500	100	50	100	0
Thermalito DIV Pool US Kelly Ridge PH	3/22/04	1445	25	28	100	0
Thermalito DIV Pool DS Kelly Ridge PH	3/18/03	1145	100	42	100	0
Thermalito DIV Pool DS Kelly Ridge PH	4/14/03	1530	100	30	100	1
Thermalito DIV Pool DS Kelly Ridge PH	5/28/03	1015	100	83	100	1
Thermalito DIV Pool DS Kelly Ridge PH	6/24/03	1400	100	4	100	0
Thermalito DIV Pool DS Kelly Ridge PH	7/22/03	0800	100	53	100	2
Thermalito DIV Pool DS Kelly Ridge PH	8/26/03	1200	50	334	100	0
Thermalito DIV Pool DS Kelly Ridge PH	8/26/03	1200	25	1312		
Thermalito DIV Pool DS Kelly Ridge PH	9/23/03	1430	100	12	100	0
Thermalito DIV Pool DS Kelly Ridge PH	10/20/03	1100	100	41	100	0
Thermalito DIV Pool DS Kelly Ridge PH	11/17/03	1245	100	10	100	0
Thermalito DIV Pool DS Kelly Ridge PH	12/15/03	1110	100	27	100	0
Thermalito DIV Pool DS Kelly Ridge PH	1/21/04	1105	100	8	100	0
Thermalito DIV Pool DS Kelly Ridge PH	2/3/04	1530	100	TNTC	100	0
Thermalito DIV Pool DS Kelly Ridge PH	3/22/04	1515	25	340	100	0
Glen PD	3/28/02	1200	50	40	100	2
Glen PD	3/28/02	1200	25	108		
Glen PD	5/22/02	1500	50	0	100	0
Glen PD	5/22/02	1500	25	0		
Glen PD	6/18/02	0830	50	8	100	5
Glen PD	7/22/02	1230	50	6	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Glen PD	3/28/02	1200	50	40	100	2
Glen PD	3/28/02	1200	25	108		
Glen PD	5/22/02	1500	50	0	100	0
Glen PD	5/22/02	1500	25	0		
Glen PD	6/18/02	0830	50	8	100	5
Glen PD	7/22/02	1230	50	6	100	0
Glen PD	7/22/02	1230	25	28		
Glen PD	8/20/02	1230	50	0	100	74
Glen PD	10/28/02	1530	100	35	100	26
Glen PD	11/22/02	0900	100	-	100	-
Glen PD	12/16/02	1330	100	-	100	TNTC
Glen PD	1/13/03	1030	50	TNTC	50	564
Glen PD	3/18/03	1430	100	TNTC	100	45
Glen PD	5/28/03	1345	100	10	100	18
Glen PD	6/24/03	1400	100	1	100	2
Glen PD	7/22/03	0730	100	61	100	0
Glen PD	8/26/03	1245	50	1520	100	0
Glen PD	8/26/03	1245	25	2264		
Glen PD	10/22/03	1130	100	88	100	9
Glen PD	11/17/03	1530	100	131	100	14
Glen PD	12/15/03	1200	100	64	100	TNTC
Glen PD	1/19/03	0945	100	TNTC	100	13
Glen PD	2/16/04	0900	100	TNTC	100	397
Glen PD	2/24/04	1530	50	TNTC	50	70
Glen PD	3/24/04	1430	100	TNTC	100	1
Glen C US Glen PD	3/28/02	1230	50	88	100	56
Glen C US Glen PD	3/28/02	1230	25	136		
Glen C US Glen PD	3/28/02	1230	25	112		
Glen C US Glen PD	4/22/02	1045	50	130	100	45
Glen C US Glen PD	4/22/02	1045	25	144		
Glen C US Glen PD	5/22/02	1600	50	80	100	41
Glen C US Glen PD	5/22/02	1600	25	44		
Glen C US Glen PD	6/18/02	0910	50	12	100	0
Glen C US Glen PD	7/15/02	1700	50	0	50	26
Glen C US Glen PD	7/15/02	1700	25	0		
Glen C US Glen PD	8/13/02	0715	50	0	100	251
Glen C US Glen PD	8/13/02	0715	25	40		
Glen C US Glen PD	9/16/02	1430	100	28	100	1
Glen C US Glen PD	10/28/02	1455	100	28	100	3
Glen C US Glen PD	11/22/02	0815	100	-	100	-

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Glen C US Glen PD	12/16/02	1300	100	-	100	TNTC
Glen C US Glen PD	1/13/03	1130	50	TNTC	50	320
Glen C US Glen PD	2/25/03	1700	100	TNTC	100	7
Glen C US Glen PD	3/18/03	1515	100	TNTC	100	25
Glen C US Glen PD	5/28/03	1300	100	58	100	94
Glen C US Glen PD	6/24/03	1500	100	13	100	0
Glen C US Glen PD	7/22/03	0630	100	274	100	0
Glen C US Glen PD	8/26/03	1330	50	46	100	1
Glen C US Glen PD	8/26/03	1330	25	484		
Glen C US Glen PD	10/22/03	1230	100	142	100	135
Glen C US Glen PD	11/19/03	0815	100	97	100	52
Glen C US Glen PD	12/15/03	1245	100	180	100	52
Glen C US Glen PD	1/19/03	1015	100	TNTC	100	135
Glen C US Glen PD	2/16/04	0830	100	TNTC	100	9
Glen C US Glen PD	2/24/04	1400	50	TNTC	50	58
Glen C US Glen PD	3/24/04	1515	100	TNTC	100	18
Morris Ravine	8/5/03	1050	50	300	50	444
Morris Ravine	8/26/03	1430	50	76	100	574
Morris Ravine	10/20/03	1330	100	92	100	6
Morris Ravine	11/17/03	1630	50	274	50	10
Morris Ravine	12/15/03	1000	100	337	100	17
Morris Ravine	1/19/04	0830	100	TNTC	100	16
Morris Ravine	2/16/04	1000	50	874	50	1190
Morris Ravine	2/23/04	1615	50	28	50	20
Morris Ravine	3/24/04	1345	100	TNCT	100	134
Thermalito DIV Pool US DIV Dam	4/3/02	1130	50	14	100	0
Thermalito DIV Pool US DIV Dam	4/3/02	1130	25	4		
Thermalito DIV Pool US DIV Dam	4/22/02	0800	50	54	100	0
Thermalito DIV Pool US DIV Dam	4/22/02	0800	25	36		
Thermalito DIV Pool US DIV Dam	5/22/02	-	50	20	100	1
Thermalito DIV Pool US DIV Dam	5/22/02	-	25	76		
Thermalito DIV Pool US DIV Dam	6/18/02	1030	50	48	100	0
Thermalito DIV Pool US DIV Dam	7/22/02	1300	50	24	100	0
Thermalito DIV Pool US DIV Dam	7/22/02	1300	25	24		
Thermalito DIV Pool US DIV Dam	8/20/02	1015	50	0	100	0
Thermalito DIV Pool US DIV Dam	9/24/02	1050	50	0	100	0
Thermalito DIV Pool US DIV Dam	11/18/02	1155	100	43	100	0
Thermalito DIV Pool US DIV Dam	12/16/02	1030	100	132	100	105

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Thermalito DIV Pool US DIV Dam	1/13/03	1500	100	162	100	51
Thermalito DIV Pool US DIV Dam	2/27/03	1010	100	12	100	1
Thermalito DIV Pool US DIV Dam	3/18/03	1220	100	TNTC	100	31
Thermalito DIV Pool US DIV Dam	4/14/03	1230	100	68	100	24
Thermalito DIV Pool US DIV Dam	5/28/03	0845	100	89	100	2
Thermalito DIV Pool US DIV Dam	6/24/03	1200	100	27	100	-
Thermalito DIV Pool US DIV Dam	7/28/03	1130	100	0	100	0
Thermalito DIV Pool US DIV Dam	8/5/03	1130	100	32	100	1
Thermalito DIV Pool US DIV Dam	8/26/03	0900	50	450	100	0
Thermalito DIV Pool US DIV Dam	8/26/03	0900	25	254		
Thermalito DIV Pool US DIV Dam	10/20/03	1130	100	91	50	2
Thermalito DIV Pool US DIV Dam	11/17/03	1315	100	13	100	0
Thermalito DIV Pool US DIV Dam	12/16/03	1330	100	18	100	1
Thermalito DIV Pool US DIV Dam	1/21/04	0945	100	16	100	1
Thermalito DIV Pool US DIV Dam	2/23/04	1500	100	84	100	0
Thermalito DIV Pool US DIV Dam	3/22/04	1300	25	20	100	0
Feather R A Oroville	3/26/02	0815	50	72	100	0
Feather R A Oroville	3/26/02	0815	25	88		
Feather R A Oroville	4/24/02	0700	50	34	100	0
Feather R A Oroville	4/24/02	0700	25	60		
Feather R A Oroville	5/21/02	0645	50	58	100	0
Feather R A Oroville	5/21/02	0645	25	68		
Feather R A Oroville	6/25/02	0645	50	2	100	0
Feather R A Oroville	7/24/02	0715	50	0	100	174
Feather R A Oroville	8/21/02	0830	50	10	100	0
Feather R A Oroville	9/25/02	0810	100	4	100	0
Feather R A Oroville	10/22/02	1010	100	33	100	1
Feather R A Oroville	11/14/02	0830	100	13	100	1
Feather R A Oroville	12/11/02	0845	100	96	100	2
Feather R A Oroville	12/17/02	0900	50	506	100	103
Feather R A Oroville	1/14/03	0835	50	136	50	26
Feather R A Oroville	2/20/03	0845	100	64	100	1
Feather R A Oroville	3/19/03	0830	100	295	100	36
Feather R A Oroville	5/15/03	0745	50	44	100	100
Feather R A Oroville	5/15/03	0745	25	96		
Feather R A Oroville	6/17/03	0645	100	279	100	2
Feather R A Oroville	7/8/03	0730	50	16	100	2
Feather R A Oroville	7/8/03	0730	25	24		
Feather R A Oroville	8/11/03	0700	100	658	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R A Oroville	9/17/03	0715	100	111	100	1
Feather R A Oroville	10/27/03	0830	100	81	100	0
Feather R A Oroville	11/17/03	0900	100	44	100	0
Feather R A Oroville	12/15/03	0810	100	187	100	23
Feather R A Oroville	1/13/04	0730	100	TNTC	100	2
Feather R A Oroville	2/10/04	0740	100	88	100	3
Feather R A Oroville	3/10/04	0800	50	130	100	1
Feather R A Oroville	4/6/04	0700	50	220	100	6
Feather R US from Hatchery	3/26/02	-	25	124		
Feather R US from Hatchery	4/24/02	0910	50	42	100	0
Feather R US from Hatchery	4/24/02	0910	25	68		
Feather R US from Hatchery	5/21/02	0740	50	54	100	1
Feather R US from Hatchery	5/21/02	0740	25	136		
Feather R US from Hatchery	6/25/02	0745	50	80	100	2
Feather R US from Hatchery	7/24/02	0840	50	54	100	1
Feather R US from Hatchery	8/21/02	0910	50	0	100	0
Feather R US from Hatchery	9/25/02	0845	100	5	100	0
Feather R US from Hatchery	10/22/02	0700	100	19	100	1
Feather R US from Hatchery	11/14/02	1000	100	1	100	4
Feather R US from Hatchery	12/11/02	0940	100	81	100	1
Feather R US from Hatchery	12/17/02	0945	50	202	100	28
Feather R US from Hatchery	1/14/03	0940	50	154	50	0
Feather R US from Hatchery	2/20/03	1015	100	34	100	4
Feather R US from Hatchery	3/19/03	0930	100	445	100	46
Feather R US from Hatchery	5/15/03	0830	50	14	100	0
Feather R US from Hatchery	5/15/03	0830	25	4		
Feather R US from Hatchery	6/17/03	0725	100	221	100	6
Feather R US from Hatchery	7/8/03	0830	50	24	100	0
Feather R US from Hatchery	7/8/03	0830	25	28		
Feather R US from Hatchery	8/11/03	0745	100	22	100	0
Feather R US from Hatchery	9/17/03	0800	100	368	100	-
Feather R US from Hatchery	10/27/03	0930	100	99	100	18
Feather R US from Hatchery	11/17/03	1015	100	38	100	0
Feather R US from Hatchery	12/15/03	0900	100	123	100	24
Feather R US from Hatchery	1/13/04	0830	100	172	100	1
Feather R US from Hatchery	2/3/04	0740	50	456	50	2
Feather R US from Hatchery	2/10/04	0820	100	61	100	7
Feather R US from Hatchery	2/19/04	0830	10	990	50	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R US from Hatchery	3/10/04	0900	50	200	100	3
Feather R US from Hatchery	4/6/04	0740	50	226	100	15
Feather R Hatchery Settling Pond	5/21/02	0825	50	62	100	0
Feather R Hatchery Settling Pond	6/25/02	1505	50	0	100	0
Feather R Hatchery Settling Pond	7/24/02	0950	50	0	100	0
Feather R Hatchery Settling Pond	8/21/02	0950	50	0	100	0
Feather R Hatchery Settling Pond	9/25/02	0925	100	2	100	0
Feather R Hatchery Settling Pond	10/22/02	0800	100	31	100	3
Feather R Hatchery Settling Pond	11/14/02	1100	100	7	100	6
Feather R Hatchery Settling Pond	12/11/02	1030	100	89	100	0
Feather R Hatchery Settling Pond	12/17/02	1030	50	194	100	55
Feather R Hatchery Settling Pond	1/14/03	1020	50	122	50	0
Feather R Hatchery Settling Pond	2/20/03	1115	100	46	100	4
Feather R Hatchery Settling Pond	3/19/03	1015	100	259	100	18
Feather R Hatchery Settling Pond	5/15/03	0930	50	10	100	1
Feather R Hatchery Settling Pond	5/15/03	0930	25	28		
Feather R Hatchery Settling Pond	6/17/03	0800	100	243	100	3
Feather R Hatchery Settling Pond	7/8/03	0915	50	134	100	1
Feather R Hatchery Settling Pond	7/8/03	0915	25	156		
Feather R Hatchery Settling Pond	8/11/03	0900	100	138	100	0
Feather R Hatchery Settling Pond	9/17/03	0900	100	72	100	5
Feather R Hatchery Settling Pond	10/27/03		100	53	100	15
Feather R Hatchery Settling Pond	11/17/03	1100	100	50	100	0
Feather R Hatchery Settling Pond	12/15/03	1000	100	229	100	15
Feather R Hatchery Settling Pond	1/13/04	0910	100	TNTC	100	1
Feather R Hatchery Settling Pond	2/3/04	0810	25	804	50	18
Feather R Hatchery Settling Pond	2/19/04	0850	10	2240	50	0
Feather R Hatchery Settling Pond	3/10/04	0930	50	TNTC	100	0
Feather R Hatchery Settling Pond	4/6/04	0830	50	718	100	0
Feather R DS from Hatchery	3/26/02	1015	50	52	100	2
Feather R DS from Hatchery	3/26/02	1015	25	104		
Feather R DS from Hatchery	7/24/02	1035	50	34	100	95
Feather R DS from Hatchery	8/21/02	1030	50	6	100	58
Feather R DS from Hatchery	9/25/02	1030	100	1	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R DS from Hatchery	10/22/02	0900	100	6	100	107
Feather R DS from Hatchery	11/14/02	1145	100	4	100	100
Feather R DS from Hatchery	12/11/02	1120	100	156	100	7
Feather R DS from Hatchery	12/17/02	1115	50	268	50	24
Feather R DS from Hatchery	1/14/03	1055	50	128	50	4
Feather R DS from Hatchery	2/20/03	1200	100	186	100	16
Feather R DS from Hatchery	3/19/03	1115	100	201	100	8
Feather R DS from Hatchery	5/15/03	1215	50	70	100	57
Feather R DS from Hatchery	5/15/03	1215	25	120		
Feather R DS from Hatchery	6/17/03	1000	100	107	100	12
Feather R DS from Hatchery	7/8/03	-	50	94	100	54
Feather R DS from Hatchery	7/8/03	-	25	172		
Feather R DS from Hatchery	8/11/03	1130	100	79	100	0
Feather R DS from Hatchery	9/17/03	1115	100	157	100	-
Feather R DS from Hatchery	10/27/03	1215	100	283	100	203
Feather R DS from Hatchery	11/17/03	1300	100	139	100	126
Feather R DS from Hatchery	12/15/03	1210	100	97	100	18
Feather R DS from Hatchery	1/13/04	1100	100	TNTC	100	6
Feather R DS from Hatchery	2/3/04	1015	25	179	50	18
Feather R DS from Hatchery	2/10/04	1200	100	157	100	0
Feather R DS from Hatchery	2/19/04	1100	10	TNTC	50	72
Feather R DS from Hatchery	3/10/04	1200	50	TNTC	100	2
Feather R DS from Hatchery	4/6/04	1100	50	TNTC	100	3
Feather R DS from Hwy 162	3/26/02	1200	50	8	100	0
Feather R DS from Hwy 162	3/26/02	1200	25	12		
Feather R DS from Hwy 162	4/24/02	1130	50	28	100	1
Feather R DS from Hwy 162	4/24/02	1130	25	4		
Feather R DS from Hwy 162	5/21/02	1135	50	138	100	8
Feather R DS from Hwy 162	5/21/02	1135	25	264		
Feather R DS from Hwy 162	6/25/02	1130	50	6	100	3
Feather R DS from Hwy 162	8/21/02	0730	50	0	100	0
Feather R DS from Hwy 162	9/25/02	-	100	0	100	62
Feather R DS from Hwy 162	10/22/02	0700	100	24	100	27
Feather R DS from Hwy 162	11/14/02	1200	100	13	100	40
Feather R DS from Hwy 162	12/11/02	1045	100	100	100	3
Feather R DS from Hwy 162	12/17/02	0900	50	448	100	0
Feather R DS from Hwy 162	1/14/03	-	50	124	50	100
Feather R DS from Hwy 162	2/20/03	0710	100	54	100	11
Feather R DS from Hwy 162	3/19/03	0630	100	TNTC	100	28

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R DS from Hwy 162	5/15/03	0730	50	72	100	123
Feather R DS from Hwy 162	5/15/03	0730	25	204		
Feather R DS from Hwy 162	6/17/03	0710	100	119	100	21
Feather R DS from Hwy 162	7/8/03	0715	50	36	100	6
Feather R DS from Hwy 162	7/8/03	0715	25	44		
Feather R DS from Hwy 162	8/11/03	0800	100	49	100	0
Feather R DS from Hwy 162	9/17/03	0830	100	148	100	15
Feather R DS from Hwy 162	10/27/03	0930	100	98	100	16
Feather R DS from Hwy 162	11/17/03	0940	100	85	100	0
Feather R DS from Hwy 162	12/15/03	0920	100	87	100	27
Feather R DS from Hwy 162	1/13/04	0900	100	TNTC	100	2
Feather R DS from Hwy 162	2/3/04	0800	25	660	50	26
Feather R DS from Hwy 162	2/10/04	0810	100	32	100	2
Feather R DS from Hwy 162	2/19/04	0920	10	890	50	60
Feather R DS from Hwy 162	3/10/04	0815	50	TNTC	100	7
Feather R DS from Hwy 162	4/6/04	0700	50	TNTC	100	1
Feather R A Robinson Riffle	3/26/02	1115	50	46	100	0
Feather R A Robinson Riffle	3/26/02	1115	25	44		
Feather R A Robinson Riffle	4/24/02	1230	50	-	100	0
Feather R A Robinson Riffle	4/24/02	1230	25	32		
Feather R A Robinson Riffle	5/21/02	1220	50	164	100	6
Feather R A Robinson Riffle	5/21/02	1220	25	160		
Feather R A Robinson Riffle	6/25/02	1230	50	8	100	3
Feather R A Robinson Riffle	7/24/02	1200	50	10	100	0
Feather R A Robinson Riffle	9/25/02	-	100	0	100	18
Feather R A Robinson Riffle	10/22/02	0830	100	15	100	5
Feather R A Robinson Riffle	11/14/02	1245	100	0	100	28
Feather R A Robinson Riffle	12/11/02	1130	100	73	100	2
Feather R A Robinson Riffle	12/17/02	0945	50	TNTC	100	0
Feather R A Robinson Riffle	1/14/03	0910	50	150	50	0
Feather R A Robinson Riffle	2/20/03	0800	100	134	100	38
Feather R A Robinson Riffle	3/19/03	0730	100	TNTC	100	22
Feather R A Robinson Riffle	5/15/03	0815	50	152	100	111
Feather R A Robinson Riffle	5/15/03	0815	25	184		
Feather R A Robinson Riffle	6/17/03	0820	100	221	100	6
Feather R A Robinson Riffle	7/8/03	0840	50	18	100	0
Feather R A Robinson Riffle	7/8/03	0840	25	12		
Feather R A Robinson Riffle	8/11/03	0845	100	290	100	0
Feather R A Robinson Riffle	9/17/03	0915	100	75	100	8

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R A Robinson Riffle	10/27/03	1055	100	90	100	10
Feather R A Robinson Riffle	11/17/03	1030	100	36	100	0
Feather R A Robinson Riffle	12/15/03	1010	100	83	100	0
Feather R A Robinson Riffle	1/13/04	1010	100	162	100	7
Feather R A Robinson Riffle	2/3/04	0840	25	153	50	0
Feather R A Robinson Riffle	2/10/04	0810	100	32	100	2
Feather R A Robinson Riffle	2/19/04	1315	10	1460	50	2
Feather R A Robinson Riffle	3/10/04	0930	50	TNTC	100	4
Feather R A Robinson Riffle	4/6/04	0800	50	TNTC	100	1
Feather R US from Afterbay Outlet	3/26/02	1250	50	6	100	0
Feather R US from Afterbay Outlet	3/26/02	1250	25	40		
Feather R US from Afterbay Outlet	4/24/02	1525	50	22	100	0
Feather R US from Afterbay Outlet	4/24/02	1525	25	36		
Feather R US from Afterbay Outlet	5/21/02	1520	50	74	100	1
Feather R US from Afterbay Outlet	5/21/02	1520	25	248		
Feather R US from Afterbay Outlet	6/25/02	1600	50	0	100	1
Feather R US from Afterbay Outlet	7/24/02	1315	50	12	100	1
Feather R US from Afterbay Outlet	8/21/02	1150	50	0	100	0
Feather R US from Afterbay Outlet	12/11/02	1315	100	83	100	2
Feather R US from Afterbay Outlet	12/17/02	1245	50	TNTC	100	0
Feather R US from Afterbay Outlet	1/14/03	1300	50	180	50	0
Feather R US from Afterbay Outlet	2/20/03	1415	100	43	100	6
Feather R US from Afterbay Outlet	3/19/03	1315	100	172	100	-
Feather R US from Afterbay Outlet	5/15/03	1330	50	22	100	0
Feather R US from Afterbay Outlet	5/15/03	1330	25	40		
Feather R US from Afterbay Outlet	6/17/03	1100	100	133	100	0
Feather R US from Afterbay Outlet	7/8/03	0855	100	17	100	0
Feather R US from Afterbay Outlet	8/11/03	1245	100	35	100	2
Feather R US from Afterbay Outlet	9/17/03	1300	100	52	100	2
Feather R US from Afterbay Outlet	10/27/03	1400	100	92	100	1
Feather R US from Afterbay Outlet	11/17/03	1440	100	26	100	5
Feather R US from Afterbay Outlet	12/15/03	1350	100	85	100	3
Feather R US from Afterbay Outlet	1/13/04	1200	100	TNTC	100	2
Feather R US from Afterbay Outlet	2/3/04	1200	25	248	50	66
Feather R US from Afterbay Outlet	2/10/04	1400	100	34	100	0
Feather R US from Afterbay Outlet	2/19/04	1150	10	1810	50	0
Feather R US from Afterbay Outlet	3/10/04	1300	50	TNTC	100	2
Feather R US from Afterbay Outlet	4/6/04	1200	50	TNTC	100	3

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R DS from Afterbay Outlet	3/26/02	1325	50	6	100	0
Feather R DS from Afterbay Outlet	3/26/02	1325	25	16		
Feather R DS from Afterbay Outlet	4/24/02	1655	50	16	100	0
Feather R DS from Afterbay Outlet	4/24/02	1655	25	40		
Feather R DS from Afterbay Outlet	5/21/02	1640	50	138	100	0
Feather R DS from Afterbay Outlet	5/21/02	1640	25	164		
Feather R DS from Afterbay Outlet	6/25/02	1715	50	0	100	0
Feather R DS from Afterbay Outlet	7/24/02	1445	50	16	100	2
Feather R DS from Afterbay Outlet	8/21/02	1145	50	2	100	2
Feather R DS from Afterbay Outlet	9/25/02	1300	100	0	100	0
Feather R DS from Afterbay Outlet	10/22/02	1320	100	86	100	6
Feather R DS from Afterbay Outlet	11/14/02	1520	100	2	100	4
Feather R DS from Afterbay Outlet	12/17/02	1345	50	TNTC	100	0
Feather R DS from Afterbay Outlet	1/14/03	1400	50	136	50	0
Feather R DS from Afterbay Outlet	2/20/03	1510	100	112	100	32
Feather R DS from Afterbay Outlet	3/19/03	1420	100	112	100	-
Feather R DS from Afterbay Outlet	5/15/03	1430	50	12	100	4
Feather R DS from Afterbay Outlet	5/15/03	1430	25	0		
Feather R DS from Afterbay Outlet	6/17/03	1200	100	60	100	0
Feather R DS from Afterbay Outlet	7/8/03	0945	100	19	100	20
Feather R DS from Afterbay Outlet	8/11/03	1415	100	45	100	0
Feather R DS from Afterbay Outlet	9/17/03	1400	100	88	100	3
Feather R DS from Afterbay Outlet	10/27/03	1500	100	42	100	4
Feather R DS from Afterbay Outlet	11/17/03	1530	100	26	100	5
Feather R DS from Afterbay Outlet	12/15/03	1530	100	100	100	4
Feather R DS from Afterbay Outlet	1/13/04	1300	100	283	100	3
Feather R DS from Afterbay Outlet	2/3/04	1230	25	194	50	4
Feather R DS from Afterbay Outlet	2/10/04	1310	100	79	100	1
Feather R DS from Afterbay Outlet	2/19/04	1230	10	600	50	0
Feather R DS from Afterbay Outlet	3/10/04	1350	50	TNTC	100	4
Feather R DS from Afterbay Outlet	4/6/04	1245	50	474	100	2
Feather R DS from SCOR Outlet	3/26/02	1350	50	30	100	0
Feather R DS from SCOR Outlet	3/26/02	1350	25	44		
Feather R DS from SCOR Outlet	4/24/02	1455	50	-	100	0
Feather R DS from SCOR Outlet	4/24/02	1455	25	64		
Feather R DS from SCOR Outlet	5/21/02	1345	50	24	100	0
Feather R DS from SCOR Outlet	3/26/02	1350	50	30	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R DS from SCOR Outlet	3/26/02	1350	50	30	100	0
Feather R DS from SCOR Outlet	3/26/02	1350	25	44		
Feather R DS from SCOR Outlet	4/24/02	1455	50	-	100	0
Feather R DS from SCOR Outlet	4/24/02	1455	25	64		
Feather R DS from SCOR Outlet	5/21/02	1345	50	24	100	0
Feather R DS from SCOR Outlet	5/21/02	1345	25	36		
Feather R DS from SCOR Outlet	6/25/02	1345	50	6	100	4
Feather R DS from SCOR Outlet	6/25/02	1345	25	5		
Feather R DS from SCOR Outlet	7/24/02	1330	50	34	100	0
Feather R DS from SCOR Outlet	8/21/02	1030	50	0	100	3
Feather R DS from SCOR Outlet	9/25/02	-	100	0	100	0
Feather R DS from SCOR Outlet	10/22/02	0940	100	17	100	2
Feather R DS from SCOR Outlet	11/14/02	1345	100	1	100	5
Feather R DS from SCOR Outlet	2/20/03	0915	100	227	100	207
Feather R DS from SCOR Outlet	3/19/03	0845	100	96	100	4
Feather R DS from SCOR Outlet	5/15/03	0930	50	50	100	2
Feather R DS from SCOR Outlet	5/15/03	0930	25	240		
Feather R DS from SCOR Outlet	6/17/03	0925	100	66	100	9
Feather R DS from SCOR Outlet	7/8/03	0930	100	27	100	6
Feather R DS from SCOR Outlet	8/11/03	0945	100	31	100	0
Feather R DS from SCOR Outlet	9/17/03	1030	100	86	100	5
Feather R DS from SCOR Outlet	10/27/03	1220	100	67	100	2
Feather R DS from SCOR Outlet	11/17/03	1115	100	25	100	0
Feather R DS from SCOR Outlet	12/15/03	1100	100	170	100	10
Feather R DS from SCOR Outlet	1/13/04	1110	100	TNTC	100	1
Feather R DS from SCOR Outlet	2/3/04	0920	25	1044	50	2
Feather R DS from SCOR Outlet	2/10/04	0955	100	26	100	0
Feather R DS from SCOR Outlet	2/19/04	1415	10	190	50	20
Feather R DS from SCOR Outlet	3/10/04	1050	50	TNTC	100	1
Feather R DS from SCOR Outlet	4/6/04	0900	50	TNTC	100	2
Feather R NR Mile Long Pond	3/26/02	1445	50	20	100	0
Feather R NR Mile Long Pond	3/26/02	1445	25	12		
Feather R NR Mile Long Pond	4/24/02	1750	50	10	100	1
Feather R NR Mile Long Pond	4/24/02	1750	25	4		
Feather R NR Mile Long Pond	5/21/02	1750	50	38	100	0
Feather R NR Mile Long Pond	5/21/02	1750	25	20		
Feather R NR Mile Long Pond	6/25/02	1810	50	0	100	0
Feather R NR Mile Long Pond	7/24/02	1540	50	36	100	1
Feather R NR Mile Long Pond	8/21/02	1400	50	0	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R NR Mile Long Pond	9/25/02	-	100	0	100	0
Feather R NR Mile Long Pond	10/22/02	1430	100	5	100	3
Feather R NR Mile Long Pond	11/14/02	1615	100	5	100	2
Feather R NR Mile Long Pond	12/11/02	1515	100	100	100	3
Feather R NR Mile Long Pond	12/11/02	1430	50	356	100	4
Feather R NR Mile Long Pond	1/14/03	1440	50	48	50	4
Feather R NR Mile Long Pond	2/20/03	1615	100	103	100	39
Feather R NR Mile Long Pond	5/15/03	1345	50	40	100	4
Feather R NR Mile Long Pond	5/15/03	1345	25	60		
Feather R NR Mile Long Pond	6/17/03	1400	100	27	100	0
Feather R NR Mile Long Pond	7/8/03	1020	100	17	100	0
Feather R NR Mile Long Pond	8/11/03	1340	100	36	100	0
Feather R NR Mile Long Pond	9/17/03	1440	100	21	100	4
Feather R NR Mile Long Pond	10/27/03	1615	100	43	100	2
Feather R NR Mile Long Pond	11/17/03	1610	100	28	100	6
Feather R NR Mile Long Pond	12/15/03	1500	100	90	100	4
Feather R NR Mile Long Pond	1/13/04	1415	100	TNTC	100	1
Feather R NR Mile Long Pond	2/3/04	1230	25	109	50	2
Feather R NR Mile Long Pond	2/10/04	1450	100	7	100	0
Feather R NR Mile Long Pond	2/19/04	1545	10	210	50	18
Feather R NR Mile Long Pond	3/10/04	1440	50	486	100	0
Feather R NR Mile Long Pond	4/6/04	1215	50	566	100	17
Feather R DS from Project Boundary	3/26/02	1550	50	20	100	0
Feather R DS from Project Boundary	3/26/02	1550	25	84		
Feather R DS from Project Boundary	4/24/02	1850	50	60	100	-
Feather R DS from Project Boundary	4/24/02	1850	25	-		
Feather R DS from Project Boundary	5/21/02	1850	50	20	100	1
Feather R DS from Project Boundary	5/21/02	1850	25	40		
Feather R DS from Project Boundary	6/25/02	0620	50	0	100	4
Feather R DS from Project Boundary	7/24/02	1640	50	24	100	1
Feather R DS from Project Boundary	8/21/02	1150	50	0	100	1
Feather R DS from Project Boundary	9/25/02	-	100	0	100	0
Feather R DS from Project Boundary	10/22/02	1110	100	10	100	0
Feather R DS from Project Boundary	11/14/02	1045	100	2	100	5
Feather R DS from Project Boundary	12/11/02	1320	100	113	100	4
Feather R DS from Project Boundary	12/17/02	1130	50	228	100	1
Feather R DS from Project Boundary	1/14/03	1135	50	94	50	0
Feather R DS from Project Boundary	2/20/03	1000	100	160	100	95
Feather R DS from Project Boundary	3/19/03	1000	100	319	100	6

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R DS from Project Boundary	5/15/03	1020	25	32		
Feather R DS from Project Boundary	6/17/03	1045	100	82	100	1
Feather R DS from Project Boundary	7/8/03	1030	100	19	100	3
Feather R DS from Project Boundary	8/11/03	1100	100	139	100	0
Feather R DS from Project Boundary	9/17/03	1150	100	247	100	1
Feather R DS from Project Boundary	10/27/03	1320	100	172	100	4
Feather R DS from Project Boundary	11/17/03	1215	100	91	100	0
Feather R DS from Project Boundary	12/15/03	1215	100	77	100	4
Feather R DS from Project Boundary	1/13/04	1200	100	TNTC	100	2
Feather R DS from Project Boundary	2/3/04	1010	50	1344	50	62
Feather R DS from Project Boundary	2/10/04	1045	100	67	100	1
Feather R DS from Project Boundary	2/19/04	1745	10	350	50	18
Feather R DS from Project Boundary	3/10/04	1155	50	TNTC	100	0
Feather R DS from Project Boundary	4/6/04	0950	50	TNTC	100	3
Oroville Fish Pond	5/30/02	1245	50	0	100	0
Oroville Fish Pond	5/30/02	1245	25	0		
Oroville Fish Pond	6/27/02	1100	50	36	100	0
Oroville Fish Pond	6/27/02	1100	25	48		
Oroville Fish Pond	7/24/02	1320	50	42	50	2
Oroville Fish Pond	8/22/02	1400	50	0	100	0
Oroville Fish Pond	9/18/02	1315	100	0	100	0
Oroville Fish Pond	10/23/02	1055	100	0	100	1
Oroville Fish Pond	11/14/02	1230	100	3	100	0
Oroville Fish Pond	12/19/02	0800	100	9	100	0
Oroville Fish Pond	1/21/03	1600	100	19	100	9
Oroville Fish Pond	2/10/03	1315	100	3	100	0
Oroville Fish Pond	3/26/03	0845	100	TNTC	100	2
Oroville Fish Pond	4/24/03	1220	50	34	100	15
Oroville Fish Pond	4/24/03	1220	25	48		
Oroville Fish Pond	6/3/03	1530	100	4	100	0
Oroville Fish Pond	6/25/03	1200	100	35	100	0
Oroville Fish Pond	7/24/03	1315	100	1	100	2
Oroville Fish Pond	8/21/03	1040	100	19	100	0
Oroville Fish Pond	9/22/03	1215	100	152	100	1
Oroville Fish Pond	11/18/03	1415	100	TNTC	100	3
Oroville Fish Pond	12/16/03	1350	100	6	100	0
Oroville Fish Pond	1/13/04	1100	100	7	100	0
Oroville Fish Pond	2/10/04	1530	100	3	100	0
Oroville Fish Pond	4/7/04	1100	25	300	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Robinson Riffle Pond	5/30/02	1345	50	2	100	0
Robinson Riffle Pond	5/30/02	1345	25	4		
Robinson Riffle Pond	6/27/02	-	50	52	100	0
Robinson Riffle Pond	6/27/02	-	25	104		
Robinson Riffle Pond	7/24/02	0900	50	0	50	2
Robinson Riffle Pond	7/24/02	0900	25	24		
Robinson Riffle Pond	8/22/02	0845	50	-	100	0
Robinson Riffle Pond	9/18/02	0830	100	0	100	0
Robinson Riffle Pond	10/23/02	-	100	0	100	4
Robinson Riffle Pond	11/14/02	1345	100	0	100	7
Robinson Riffle Pond	12/19/02	0945	100	35	100	2
Robinson Riffle Pond	1/21/03	1300	100	58	100	0
Robinson Riffle Pond	2/10/03	1440	100	15	100	1
Robinson Riffle Pond	3/26/03	1615	100	128	100	1
Robinson Riffle Pond	4/24/03	1345	50	22	100	11
Robinson Riffle Pond	4/24/03	1345	25	48		
Robinson Riffle Pond	6/3/03	1715	100	79	100	61
Robinson Riffle Pond	6/25/03	1340	25	0	25	336
Robinson Riffle Pond	7/24/03	1515	50	4	50	4
Robinson Riffle Pond	8/21/03	1200	50	22	50	2
Robinson Riffle Pond	9/22/03	-	50	124	50	30
Robinson Riffle Pond	11/18/03	1545	100	1	100	0
Robinson Riffle Pond	12/16/03	1510	100	68	100	3
Robinson Riffle Pond	1/13/04	1245	100	TNTC	100	14
Robinson Riffle Pond	2/10/04	0930	100	55	100	1
Robinson Riffle Pond	3/10/04	1430	100	TNTC	100	0
Robinson Riffle Pond	4/7/04	1220	25	300	100	11
Mile Long Pond	5/30/02	1430	50	6	100	1
Mile Long Pond	5/30/02	1430	25	20		
Mile Long Pond	6/28/02	-	50	50	100	0
Mile Long Pond	6/28/02	-	25	16		
Mile Long Pond	7/24/02	0700	50	0	100	0
Mile Long Pond	8/22/02	0720	50	2	100	0
Mile Long Pond	9/18/02	0700	100	0	100	0
Mile Long Pond	10/23/02	-	100	0	100	0
Mile Long Pond	11/14/02	1500	100	1	100	0
Mile Long Pond	12/19/02	1200	100	4	100	1
Mile Long Pond	1/21/03	1125	100	2	100	0
Mile Long Pond	2/10/03	1540	100	9	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Mile Long Pond	3/26/03	1730	100	253	100	0
Mile Long Pond	4/24/03	1445	50	48	100	14
Mile Long Pond	4/24/03	1445	25	108		
Mile Long Pond	6/3/03	1900	100	9	100	0
Mile Long Pond	6/25/03	1530	100	227	100	0
Mile Long Pond	7/24/03	1600	100	3	100	5
Mile Long Pond	8/21/03	1300	100	18	100	1
Mile Long Pond	9/22/03	0945	100	96	100	0
Mile Long Pond	11/18/03	1630	100	54	100	0
Mile Long Pond	12/16/03	1600	100	0	100	1
Mile Long Pond	1/13/04	1410	100	5	100	0
Mile Long Pond	2/10/04	0800	100	50	100	0
Mile Long Pond	3/10/04	1600	100	TNTC	100	0
Mile Long Pond	4/7/04	1330	25	24	100	0
Upper Pacific Heights Pond	5/30/02	1110	50	16	100	0
Upper Pacific Heights Pond	5/30/02	1110	25	20		
Upper Pacific Heights Pond	6/28/02	-	50	0	100	0
Upper Pacific Heights Pond	6/28/02	-	25	0		
Upper Pacific Heights Pond	7/24/02	1230	50	0	100	TNTC
Upper Pacific Heights Pond	8/22/02	1000	50	12	100	1
Upper Pacific Heights Pond	9/18/02	1000	100	0	100	0
Upper Pacific Heights Pond	10/23/02	0845	-	-	100	1
Upper Pacific Heights Pond	11/14/02	1100	100	0	100	1
Upper Pacific Heights Pond	12/19/02	1440	100	17	100	0
Upper Pacific Heights Pond	1/21/03	0950	100	22	100	0
Upper Pacific Heights Pond	2/10/03	1145	100	6	100	0
Upper Pacific Heights Pond	3/26/03	1045	100	75	100	0
Upper Pacific Heights Pond	4/24/03	1140	50	76	100	2
Upper Pacific Heights Pond	4/24/03	1140	25	84		
Upper Pacific Heights Pond	6/3/03	1330	100	20	100	0
Upper Pacific Heights Pond	6/25/03	-	100	573	100	0
Upper Pacific Heights Pond	7/24/03	1050	100	2	100	0
Upper Pacific Heights Pond	8/21/03	0900	100	86	100	0
Upper Pacific Heights Pond	9/22/03	-	100	158	100	0
Upper Pacific Heights Pond	11/18/03	1230	100	18	100	0
Upper Pacific Heights Pond	12/16/03	1215	100	3	100	0
Upper Pacific Heights Pond	1/13/04	0940	100	142	100	0
Upper Pacific Heights Pond	2/10/04	1345	100	31	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Upper Pacific Heights Pond	3/10/04	1040	100	TNTC	100	2
Upper Pacific Heights Pond	4/7/04	0915	25	232	100	0
Lower Pacific Heights Pond	5/30/02	1210	50	34	100	0
Lower Pacific Heights Pond	5/30/02	1210	25	32		
Lower Pacific Heights Pond	6/28/02	-	50	6	100	0
Lower Pacific Heights Pond	6/28/02	-	25	8		
Lower Pacific Heights Pond	7/24/02	1145	50	0	100	0
Lower Pacific Heights Pond	8/22/02	1215	50	0	100	0
Lower Pacific Heights Pond	9/18/02	1215	100	0	100	0
Lower Pacific Heights Pond	10/23/02	0640	100	0	100	0
Lower Pacific Heights Pond	11/14/02	0815	100	9	100	0
Lower Pacific Heights Pond	12/19/02	1400	100	39	100	3
Lower Pacific Heights Pond	1/21/03	0840	100	20	100	3
Lower Pacific Heights Pond	2/10/03	1020	100	7	100	2
Lower Pacific Heights Pond	3/26/03	1230	100	211	100	0
Lower Pacific Heights Pond	4/24/03	0830	50	134	100	2
Lower Pacific Heights Pond	4/24/03	0830	25	168		
Lower Pacific Heights Pond	6/3/03	1145	100	9	100	0
Lower Pacific Heights Pond	6/25/03	0845	100	-	100	1
Lower Pacific Heights Pond	7/24/03	0940	100	0	100	2
Lower Pacific Heights Pond	8/21/03	0715	100	3	100	1
Lower Pacific Heights Pond	9/22/03	-	100	99	100	0
Lower Pacific Heights Pond	11/18/03	1100	100	256	100	0
Lower Pacific Heights Pond	12/16/03	1100	100	5	100	1
Lower Pacific Heights Pond	1/13/04	0820	100	117	100	1
Lower Pacific Heights Pond	2/10/04	1220	100	21	100	0
Lower Pacific Heights Pond	3/10/04	0920	100	TNTC	100	0
Lower Pacific Heights Pond	4/7/04	0800	25	276	100	0
Thermolito Afterbay A Feather River Outlet	3/28/02	1015	50	82	100	1
Thermolito Afterbay A Feather River Outlet	3/28/02	1015	25	124		
Thermolito Afterbay A Feather River Outlet	4/24/02	1130	50	12	100	0
Thermolito Afterbay A Feather River Outlet	4/24/02	1130	25	44		
Thermolito Afterbay A Feather River Outlet	6/25/02	0600	50	0	100	12

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Thermolito Afterbay A Feather River Outlet	7/15/02	0900	50	0	50	2
Thermolito Afterbay A Feather River Outlet	8/21/02	0900	50	54	100	0
Thermolito Afterbay A Feather River Outlet	10/22/02	1400	100	30	100	5
Thermolito Afterbay A Feather River Outlet	12/17/02	1345	100	0	100	6
Thermolito Afterbay A Feather River Outlet	1/14/03	1615	100	33	100	32
Thermolito Afterbay A Feather River Outlet	2/20/03	1015	100	TNTC	100	182
Thermolito Afterbay A Feather River Outlet	3/19/03	1445	100	TNTC	100	35
Thermolito Afterbay A Feather River Outlet	5/15/03	1430	50	8	100	4
Thermolito Afterbay A Feather River Outlet	5/15/03	1430	25	12		
Thermolito Afterbay A Feather River Outlet	6/17/03	1330	100	66	100	0
Thermolito Afterbay A Feather River Outlet	7/8/03	0900	100	7	100	0
Thermolito Afterbay A Feather River Outlet	8/11/03	1100	100	29	100	0
Thermolito Afterbay A Feather River Outlet	9/17/03	0700	100	77	100	4
Thermolito Afterbay A Feather River Outlet	10/27/03	0800	100	40	100	8
Thermolito Afterbay A Feather River Outlet	11/17/03	1700	100	64	100	8
Thermolito Afterbay A Feather River Outlet	12/15/03	0745	100	60	100	16
Thermolito Afterbay A Feather River Outlet	1/13/04	0750	100	165	100	9
Thermolito Afterbay A Feather River Outlet	2/3/04	1310	50	390	50	0
Thermolito Afterbay A Feather River Outlet	2/10/04	1320	50	110	50	0
Thermolito Afterbay A Feather River Outlet	2/19/04	1515	10	20	50	4

Thermolito Afterbay A Feather River Outlet	3/10/04	0720	50	390	100	4

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Thermolito Afterbay A Feather River Outlet	4/6/04	1245	50	180	100	1
South Afterbay	4/2/02	1415	50	12	100	0
South Afterbay	4/2/02	1415	25	8		
South Afterbay	4/24/02	-	50		100	0
South Afterbay	4/24/02	-	25	13		
South Afterbay	5/23/02	0830	50	42	100	0
South Afterbay	5/23/02	0830	25	28		
South Afterbay	6/17/02	0815	50	90	100	0
South Afterbay	8/19/02	0915	50	0	100	0
South Afterbay	9/17/02	1415	100	0	100	1
South Afterbay	10/22/02	1245	100	5	100	1
South Afterbay	11/19/02	1025	100	19	100	2
South Afterbay	12/12/02	0900	100	103	100	3
South Afterbay	1/14/03	1330	100	111	100	13
South Afterbay	2/26/03	1000	100	0	100	2
South Afterbay	3/19/03	1230	100	134	100	21
South Afterbay	4/15/03	0800	100	272	100	0
South Afterbay	5/20/03	0900	100	10	100	0
South Afterbay	6/24/03	0825	100	153	100	0
South Afterbay	7/21/03	0935	50	8	100	0
South Afterbay	8/25/03	0930	100	28	100	2
South Afterbay	9/22/03	0930	100	14	100	0
South Afterbay	10/21/03	0900	100	150	100	0
South Afterbay	11/18/03	0845	100	22	100	5
South Afterbay	12/16/03	0830	100	70	100	14
South Afterbay	1/20/04	1020	100	77	100	1
South Afterbay	1/20/04	1020	100	86		
South Afterbay	2/23/04	0845	100	120	100	17
South Afterbay	3/22/04	0845	25	128	100	0
South Afterbay	4/22/04	1000	100	115	100	0
North Afterbay	4/2/02	1635	50	2	100	0
North Afterbay	4/2/02	1635	25	8		
North Afterbay	4/24/02	0800	50	17	100	0
North Afterbay	4/24/02	0800	25	24		
North Afterbay	5/23/02	0930	50	54	100	1
North Afterbay	5/23/02	0930	25	92		
North Afterbay	6/17/02	0900	50	8	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
North Afterbay	8/19/02	0830	50	6	100	0
North Afterbay	9/17/02	1200	100	1	100	0
North Afterbay	10/22/02	1130	100	2	100	0
North Afterbay	11/19/02	1125	100	40	100	2
North Afterbay	12/12/02	1015	100	36	100	0
North Afterbay	1/14/03	1415	100	59	100	61
North Afterbay	2/26/03	1140	100	49	100	13
North Afterbay	3/19/03	1330	100	108	100	9
North Afterbay	3/19/03	1330	100	108	100	9
North Afterbay	4/15/03	0900	100	257	100	0
North Afterbay	5/20/03	0800	100	7	100	0
North Afterbay	6/24/03	0940	100	88	100	0
North Afterbay	7/21/03	1115	100	2	100	1
North Afterbay	8/25/03	1045	100	382	100	2
North Afterbay	9/22/03	1030	100	4	100	0
North Afterbay	10/21/03	1000	100	137	100	0
North Afterbay	11/18/03	0930	100	34	100	3
North Afterbay	12/16/03	0930	100	32	100	16
North Afterbay	1/20/04	1200	100	65	100	0
North Afterbay	1/20/04	1200	100	65		
North Afterbay	3/22/04	0945	25	280	100	1
North Afterbay	4/22/04	0900	100	63	100	0
South Forebay	4/2/02	1415	50	2	100	0
South Forebay	4/2/02	1415	25	0		
South Forebay	4/29/02	0730	50	58	100	0
South Forebay	5/22/02	0900	50	28	100	1
South Forebay	5/22/02	0900	25	52		
South Forebay	6/17/02	1135	50	146	100	5
South Forebay	8/19/02	1200	50	0	100	0
South Forebay	9/17/02	1000	100	3	100	0
South Forebay	9/24/02	-	50	0	100	0
South Forebay	10/22/02	0840	100	14	100	10
South Forebay	11/19/02	1400	100	15	100	1
South Forebay	12/12/02	1215	100	100	100	2
South Forebay	1/14/03	1045	100	79	100	86
South Forebay	2/26/03	1430	100	11	100	2
South Forebay	3/19/03	1050	100	77	100	6
South Forebay	5/20/03	1215	100	0	100	0
South Forebay	6/23/03	1245	100	29	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
South Forebay	7/21/03	1230	100	19	100	0
South Forebay	8/25/03	1200	100	363	100	0
South Forebay	9/22/03	1200	100	0	100	0
South Forebay	10/21/03	1300	100	64	100	0
South Forebay	11/18/03	1230	100	36	100	3
South Forebay	12/16/03	1045	100	61	100	0
South Forebay	1/20/04	1400	25	36	25	0
South Forebay	1/20/04	1400	50	46		
South Forebay	2/23/04	1100	100	250	100	3
South Forebay	3/22/04	1045	25	36	100	0
South Forebay	4/22/04	1025	100	63	100	0
North Forebay C	12/12/02	1530	100	174	100	10
North Forebay C	1/13/03	1615	100	TNTC	100	TNTC
North Forebay C	3/19/03	1600	100	189	100	93
North Forebay C	4/14/03	1630	100	-	100	45
North Forebay C	5/20/03	1430	100	19	100	180
North Forebay C	6/23/03	-	100	-	100	175
North Forebay C	7/21/03	0820	100	76	100	332
North Forebay C	8/25/03	1630	100	97	100	15
North Forebay C	9/22/03	1600	100	117	100	28
North Forebay C	10/20/03	1515	100	91	100	132
North Forebay C	11/19/03	1600	100	-	100	0
North Forebay C	12/15/03	0930	100	114	100	134
North Forebay C	1/21/04	1425	100	75	100	9
North Forebay C	2/16/04	0730	100	TNTC	100	TNTC
North Forebay C	2/23/04	1645	50	TNTC	50	38
North Forebay C	3/22/04	1600	25	TNTC	100	504
North Forebay C	4/19/04	1400	100	TNTC	100	265
North Forebay	4/2/02	1635	50	6	100	0
North Forebay	4/2/02	1635	25	4		
North Forebay	4/29/02	0845	50	70	100	1
North Forebay	5/22/02	1030	50	52	100	1
North Forebay	5/22/02	1030	25	72		
North Forebay	6/17/02	1145	50	124	100	1
North Forebay	8/19/02	1100	50	24	100	1
North Forebay	9/17/02	0800	100	3	100	41
North Forebay	10/21/02	-	100	0	100	146
North Forebay	10/22/02	0950	100	4	100	1
North Forebay	4/2/02	1635	50	6	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
North Forebay	11/19/02	1300	100	12	100	1
North Forebay	12/12/02	1320	100	76	100	0
North Forebay	1/14/03	0915	100	96	100	48
North Forebay	2/26/03	1330	100	11	100	0
North Forebay	3/19/03	1000	100	133	100	9
North Forebay	4/15/03	1030	100	54	100	1
North Forebay	5/20/03	1115	100	1	100	0
North Forebay	6/23/03	1115	100	99	100	0
North Forebay	7/21/03	1400	100	24	100	0
North Forebay	8/25/03	1315	100	613	100	3
North Forebay	9/22/03	1245	100	54	100	1
North Forebay	10/21/03	1200	100	111	100	3
North Forebay	11/18/03	1115	100	19	100	0
North Forebay	12/16/03	1200	100	21	100	3
North Forebay	1/20/04	1510	100	60	100	0
North Forebay	1/20/04	1510	100	52		
North Forebay	2/23/04	1145	100	120	100	1
North Forebay	3/22/04	1130	25	32	100	0
North Forebay	4/19/04	1115	100	42	100	2
Feather R A Singh AB Riviera Rd.	3/26/02	1640	50	42	100	2
Feather R A Singh AB Riviera Rd.	3/26/02	1640	25	12		
Feather R A Singh AB Riviera Rd.	4/24/02	0830	50	28	100	2
Feather R A Singh AB Riviera Rd.	4/24/02	0830	25	52		
Feather R A Singh AB Riviera Rd.	5/21/02	0745	50	130	100	1
Feather R A Singh AB Riviera Rd.	5/21/02	0745	25	104		
Feather R A Singh AB Riviera Rd.	6/25/02	0830	50	0	100	7
Feather R A Singh AB Riviera Rd.	7/24/02	0705	50	6	100	7
Feather R A Singh AB Riviera Rd.	8/21/02	1410	50	0	100	1
Feather R A Singh AB Riviera Rd.	9/25/02	-	100	0	100	0
Feather R A Singh AB Riviera Rd.	10/22/02	1320	100	16	100	3
Feather R A Singh AB Riviera Rd.	11/14/02	0830	100	3	100	11
Feather R A Singh AB Riviera Rd.	12/11/02	0840	100	130	100	3
Feather R A Singh AB Riviera Rd.	12/17/02	1315	50	258	100	3
Feather R A Singh AB Riviera Rd.	1/14/03	1330	50	62	50	0
Feather R A Singh AB Riviera Rd.	2/20/03	1200	100	143	100	50
Feather R A Singh AB Riviera Rd.	3/19/03	1215	100	220	100	8
Feather R A Singh AB Riviera Rd.	5/15/03	1245	50	50	100	21
Feather R A Singh AB Riviera Rd.	5/15/03	1245	25	84		

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R A Singh AB Riviera Rd.	6/17/03	1300	100	29	100	2
Feather R A Singh AB Riviera Rd.	8/11/03	1245	100	136	100	1
Feather R A Singh AB Riviera Rd.	9/17/03	1340	100	394	100	4
Feather R A Singh AB Riviera Rd.	10/27/03	1515	100	182	100	1
Feather R A Singh AB Riviera Rd.	11/17/03	1400	100	98	100	6
Feather R A Singh AB Riviera Rd.	12/15/03	1400	100	107	100	8
Feather R A Singh AB Riviera Rd.	1/13/04	1415	100	TNTC	100	3
Feather R A Singh AB Riviera Rd.	2/3/04	1140	25	436	50	12
Feather R A Singh AB Riviera Rd.	2/10/04	1235	100	31	100	0
Feather R A Singh AB Riviera Rd.	3/10/04	1345	50	TNTC	100	3
Feather R A Singh AB Riviera Rd.	4/6/04	1125	50	TNTC	100	0
Honcut C A Pacific Ranch NR Palermo	3/27/02	0740	50	148	50	64
Honcut C A Pacific Ranch NR Palermo	4/24/02	0630	50	0	50	10
Honcut C A Pacific Ranch NR Palermo	4/24/02	0630	25	12		
Honcut C A Pacific Ranch NR Palermo	5/21/02	0630	50	130	100	130
Honcut C A Pacific Ranch NR Palermo	5/21/02	0630	25	188		
Honcut C A Pacific Ranch NR Palermo	6/25/02	0715	50	0	100	27
Honcut C A Pacific Ranch NR Palermo	7/24/02	1845	50	4	100	11
Honcut C A Pacific Ranch NR Palermo	8/21/02	1300	50	0	100	44
Honcut C A Pacific Ranch NR Palermo	9/25/02	-	100	0	100	0
Honcut C A Pacific Ranch NR Palermo	10/22/02	1215	100	12	100	15
Honcut C A Pacific Ranch NR Palermo	11/14/02	1000	100	0	100	36
Honcut C A Pacific Ranch NR Palermo	12/11/02	0945	100	101	100	5
Honcut C A Pacific Ranch NR Palermo	12/17/02	1215	50	192	100	229
Honcut C A Pacific Ranch NR Palermo	1/14/03	1230	50	24	50	246

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Honcut C A Pacific Ranch NR Palermo	2/20/03	1100	100	35	100	130
Honcut C A Pacific Ranch NR Palermo	3/19/03	1100	100	181	100	135
Honcut C A Pacific Ranch NR Palermo	5/15/03	1140	50	56	100	227
Honcut C A Pacific Ranch NR Palermo	5/15/03	1140	25	204		
Honcut C A Pacific Ranch NR Palermo	8/11/03	1200	100	21	100	6
Honcut C A Pacific Ranch NR Palermo	9/17/03	1250	100	21	100	12
Honcut C A Pacific Ranch NR Palermo	10/27/03	1410	100	229	100	3
Honcut C A Pacific Ranch NR Palermo	11/17/03	1300	100	21	100	22
Honcut C A Pacific Ranch NR Palermo	12/15/03	1300	100	TNTC	100	374
Honcut C A Pacific Ranch NR Palermo	1/13/04	1250	50	712	50	30
Honcut C A Pacific Ranch NR Palermo	1/13/04	1250	25	1100		
Honcut C A Pacific Ranch NR Palermo	2/3/04	1050	25	743	50	1280
Honcut C A Pacific Ranch NR Palermo	2/10/04	1125	100	58	100	12
Honcut C A Pacific Ranch NR Palermo	2/19/04	1700	5	2140	50	408
Honcut C A Pacific Ranch NR Palermo	3/10/04	1250	50	TNTC	50	60
Honcut C A Pacific Ranch NR Palermo	4/6/04	1045	50	TNTC	100	2
Feather R A Archer Ave	3/27/02	0915	50	58	100	3
Feather R A Archer Ave	3/27/02	0915	25	40		
Feather R A Archer Ave	4/24/02	0910	50	0	100	4
Feather R A Archer Ave	4/24/02	0910	25	16		
Feather R A Archer Ave	5/21/02	0840	50	66	100	2
Feather R A Archer Ave	5/21/02	0840	25	120		

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R A Archer Ave	6/25/02	0930	50	0	100	5
Feather R A Archer Ave	7/24/02	0750	50	0	100	1
Feather R A Archer Ave	8/21/02	0730	50	0	100	0
Feather R A Archer Ave	10/22/02	0720	100	11	100	2
Feather R A Archer Ave	11/14/02	0820	100	7	100	8
Feather R A Archer Ave	12/11/02	0900	100	73	100	2
Feather R A Archer Ave	12/17/02	0815	50	518	100	297
Feather R A Archer Ave	1/14/03	0815	50	82	50	0
Feather R A Archer Ave	2/20/03	0730	100	71	100	58
Feather R A Archer Ave	3/19/03	0810	100	145	100	22
Feather R A Archer Ave	5/15/03	0740	50	24	100	13
Feather R A Archer Ave	5/15/03	0740	25	44		
Feather R A Archer Ave	6/17/03	1230	100	48	100	2
Feather R A Archer Ave	7/8/03	1210	100	5	100	5
Feather R A Archer Ave	8/11/03	1345	100	200	100	0
Feather R A Archer Ave	9/17/03	1530	100	140	100	0
Feather R A Archer Ave	10/27/03	1450	100	45	100	2
Feather R A Archer Ave	11/17/03	1100	100	8	100	0
Feather R A Archer Ave	12/15/03	1430	100	105	100	0
Feather R A Archer Ave	1/13/04	1400	100	311	100	5
Feather R A Archer Ave	2/3/04	1335	25	410	50	44
Feather R A Archer Ave	2/10/04	1345	100	44	100	4
Feather R A Archer Ave	2/19/04	0815	5	1250	50	0
Feather R A Archer Ave	3/10/04	1650	50	TNTC	100	2
Feather R A Archer Ave	4/6/04	1315	50	TNTC	100	9
Feather R US from Yuba R	3/27/02	1030	50	36	100	5
Feather R US from Yuba R	3/27/02	1030	25	48		
Feather R US from Yuba R	4/24/02	1030	50	36	100	0
Feather R US from Yuba R	4/24/02	1030	25	52		
Feather R US from Yuba R	5/21/02	1040	50	44	100	2
Feather R US from Yuba R	5/21/02	1040	25	92		
Feather R US from Yuba R	6/25/02	1100	25	16	100	17
Feather R US from Yuba R	6/25/02	100	10	70		
Feather R US from Yuba R	7/24/02	0915	50	38	100	8
Feather R US from Yuba R	7/24/02	0915	25	8		
Feather R US from Yuba R	8/21/02	0905	50	2	100	0
Feather R US from Yuba R	10/22/02	0840	100	0	100	3
Feather R US from Yuba R	11/14/02	0945	100	3	100	12
Feather R US from Yuba R	12/11/02	1015	100	125	100	7

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R US from Yuba R	12/17/02	0930	50	10	100	TNTC
Feather R US from Yuba R	1/14/03	0940	50	116	50	126
Feather R US from Yuba R	2/20/03	0920	100	76	100	40
Feather R US from Yuba R	3/19/03	0950	100	137	100	5
Feather R US from Yuba R	5/15/03	0910	50	36	100	9
Feather R US from Yuba R	5/15/03	0910	25	60		
Feather R US from Yuba R	6/17/03	1125	100	63	100	0
Feather R US from Yuba R	7/8/03	1200	100	25	100	8
Feather R US from Yuba R	8/11/03	1200	100	86	100	26
Feather R US from Yuba R	9/17/03	0845	100	28	100	11
Feather R US from Yuba R	10/27/03	1330	100	55	100	9
Feather R US from Yuba R	11/17/03		100	41	100	1
Feather R US from Yuba R	12/15/03	1300	100	93	100	0
Feather R US from Yuba R	1/13/04	1240	50	TNTC	50	4
Feather R US from Yuba R	1/13/04	1240	25	268		
Feather R US from Yuba R	2/3/04	1215	25	414	50	200
Feather R US from Yuba R	2/10/04	1215	100	34	100	2
Feather R US from Yuba R	2/19/04	0900	5	1860	50	0
Feather R US from Yuba R	3/10/04	1500	50	878	100	2
Feather R US from Yuba R	4/6/04	1130	50	TNTC	100	15
Yuba R A Mouth	3/27/02	1120	50	56	100	12
Yuba R A Mouth	3/27/02	1120	25	64		
Yuba R A Mouth	4/24/02	1115	50	76	100	4
Yuba R A Mouth	4/24/02	1115	25	164		
Yuba R A Mouth	5/21/02	1040	50	200	100	0
Yuba R A Mouth	5/21/02	1040	25	140		
Yuba R A Mouth	6/25/02	-	50	8	100	26
Yuba R A Mouth	7/24/02	0840	50	2	100	0
Yuba R A Mouth	8/21/02	0820	50	0	100	4
Yuba R A Mouth	10/22/02	0810	100	20	100	26
Yuba R A Mouth	11/14/02	0915	100	30	100	20
Yuba R A Mouth	12/11/02	0945	100	105	10	14
Yuba R A Mouth	12/17/02	0900	50	470	100	TNTC
Yuba R A Mouth	1/14/03	0910	50	64	50	70
Yuba R A Mouth	2/20/03	0840	100	103	100	21
Yuba R A Mouth	3/19/03	0910	100	TNTC	100	43
Yuba R A Mouth	5/15/03	0835	50	34	100	-
Yuba R A Mouth	5/15/03	0835	25	104		
Yuba R A Mouth	6/17/03	1055	100	77	100	10

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Yuba R A Mouth	7/8/03	-	100	18	100	11
Yuba R A Mouth	8/11/03	1215	100	2	100	0
Yuba R A Mouth	9/17/03	0815	100	40	100	10
Yuba R A Mouth	10/27/03	1250	100	61	100	3
Yuba R A Mouth	11/17/03	1200	100	70	100	62
Yuba R A Mouth	12/15/03	1220	100	159	100	16
Yuba R A Mouth	1/13/04	1310	100	165	100	3
Yuba R A Mouth	2/3/04	1140	25	315	50	158
Yuba R A Mouth	2/10/04	1150	100	52	100	1
Yuba R A Mouth	2/19/04	1015	10	830	50	0
Yuba R A Mouth	3/10/04	1610	50	TNTC	100	10
Yuba R A Mouth	4/6/04	1100	50	TNTC	100	0
Feather R A Shanghai Bend	3/27/02	1300	50	34	100	2
Feather R A Shanghai Bend	3/27/02	1300	25	24		
Feather R A Shanghai Bend	4/24/02	1210	50	10	100	0
Feather R A Shanghai Bend	4/24/02	1210	25	56		
Feather R A Shanghai Bend	5/21/02	1130	50	14	100	0
Feather R A Shanghai Bend	5/21/02	1130	25	128		
Feather R A Shanghai Bend	6/25/02	-	25	40	100	2
Feather R A Shanghai Bend	6/25/02	-	10	80		
Feather R A Shanghai Bend	7/24/02	0955	50	0	100	0
Feather R A Shanghai Bend	7/24/02	0955	25	12		
Feather R A Shanghai Bend	8/21/02	0945	50	0	100	0
Feather R A Shanghai Bend	10/22/02	0930	100	4	100	9
Feather R A Shanghai Bend	11/14/02	1040	100	0	100	19
Feather R A Shanghai Bend	12/11/02	1100	100	18	100	1
Feather R A Shanghai Bend	12/17/02	1010	50	12	100	167
Feather R A Shanghai Bend	1/14/03	1015	50	60	50	116
Feather R A Shanghai Bend	2/20/03	1015	100	23	100	48
Feather R A Shanghai Bend	3/19/03	1030	100	235	100	12
Feather R A Shanghai Bend	5/15/03	0950	50	28	100	15
Feather R A Shanghai Bend	5/15/03	0950	25	52		
Feather R A Shanghai Bend	6/17/03	1200	100	81	100	1
Feather R A Shanghai Bend	7/8/03	1300	100	11	100	2
Feather R A Shanghai Bend	8/11/03	1300	100	157	100	0
Feather R A Shanghai Bend	9/17/03	0940	100	14	100	9
Feather R A Shanghai Bend	10/27/03	1400	100	46	100	2
Feather R A Shanghai Bend	11/17/03	1300	100	98	100	4
Feather R A Shanghai Bend	12/15/03	1335	100	54	100	0

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	Sample Date	Sample Time	Sample Size (mL)	Count #/100 mL	Sample Size (mL)	Count #/100 mL
Feather R A Shanghai Bend	1/13/04	1200	50	298	50	2
Feather R A Shanghai Bend	1/13/04	1200	25	420		
Feather R A Shanghai Bend	2/3/04	1250	25	2080	50	6
Feather R A Shanghai Bend	2/10/04	1245	100	60	100	0
Feather R A Shanghai Bend	2/19/04	0930	5	1240	50	0
Feather R A Shanghai Bend	3/10/04	1410	50	TNTC	100	7
Feather R A Shanghai Bend	4/6/04	1300	50	TNTC	100	20
Bear R NR Mouth	3/27/02	1430	50	70	100	10
Bear R NR Mouth	3/27/02	1430	25	56		
Bear R NR Mouth	4/24/02	1430	50	6	100	0
Bear R NR Mouth	4/24/02	1430	25	16		
Bear R NR Mouth	5/21/02	1240	50	0	100	4
Bear R NR Mouth	5/21/02	1240	25	0		
Bear R NR Mouth	6/25/02	-	25	0	100	118
Bear R NR Mouth	6/25/02	-	10	170		
Bear R NR Mouth	7/24/02	1100	25	0	100	0
Bear R NR Mouth	7/24/02	1100	10	0		
Bear R NR Mouth	8/21/02	1115	50	0	100	4
Bear R NR Mouth	10/22/02	1045	100	0	100	84
Bear R NR Mouth	11/14/02	1140	50	18	100	70
Bear R NR Mouth	11/14/02	1140	25	24		
Bear R NR Mouth	12/11/02	1200	100	103	100	72
Bear R NR Mouth	12/17/02	1110	50	0	100	44
Bear R NR Mouth	1/14/03	1110	50	44	50	0
Bear R NR Mouth	2/20/03	1140	100	53	100	0
Bear R NR Mouth	3/19/03	1135	100	231	100	28
Bear R NR Mouth	5/15/03	1115	50	66	100	17
Bear R NR Mouth	5/15/03	1115	25	56		
Bear R NR Mouth	6/17/03	1020	100	155	100	144
Bear R NR Mouth	7/8/03	1115	50	78	50	56
Bear R NR Mouth	7/8/03	1115	25	124	25	84
Bear R NR Mouth	8/11/03	1100	100	115	100	24
Bear R NR Mouth	9/17/03	1100	100	64	100	161
Bear R NR Mouth	10/27/03	1145	100	38	100	31
Bear R NR Mouth	11/17/03	1400	100	44	100	30
Bear R NR Mouth	12/15/03	1130	100	62	100	3
Bear R NR Mouth	1/13/04	1045	50	80	50	32
Bear R NR Mouth	2/3/04	1100	25	TNTC	50	168
Bear R NR Mouth	2/10/04	1050	100	68	100	19

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Bear R NR Mouth	2/19/04	1100	5	TNTC	50	TNTC
Bear R NR Mouth	3/10/04	1240	50	TNTC	50	8
Bear R NR Mouth	4/6/04	1000	50	TNTC	100	2
Feather R NR Verona	3/27/02	1515	50	56	100	8
Feather R NR Verona	3/27/02	1515	25	120		
Feather R NR Verona	4/24/02	1520	50	36	100	0
Feather R NR Verona	4/24/02	1520	25	36		
Feather R NR Verona	5/21/02	1330	50	40	100	1
Feather R NR Verona	5/21/02	1330	25	120		
Feather R NR Verona	6/25/02	1400	25	8	100	6
Feather R NR Verona	6/25/02	1400	10	350		
Feather R NR Verona	7/24/02	1320	25	36	100	3
Feather R NR Verona	7/24/02	1320	10	30		
Feather R NR Verona	8/21/02	1215	50	12	100	6
Feather R NR Verona	10/22/02	1135	100	2	100	3
Feather R NR Verona	11/14/02	1230	100	2	100	6
Feather R NR Verona	12/11/02	1300	100	108	100	2
Feather R NR Verona	12/17/02	1210	50	4	100	TNTC
Feather R NR Verona	1/14/03	1215	50	150	50	100
Feather R NR Verona	2/20/03	1230	100	44	100	11
Feather R NR Verona	3/19/03	1230	100	TNTC	100	50
Feather R NR Verona	5/15/03	1215	50	4	100	18
Feather R NR Verona	5/15/03	1215	25	64		
Feather R NR Verona	6/17/03	0930	100	54	100	0
Feather R NR Verona	7/8/03	1015	100	23	100	3
Feather R NR Verona	8/11/03	1000	100	35	100	11
Feather R NR Verona	9/17/03	1200	100	109	100	6
Feather R NR Verona	10/27/03	1100	100	97	100	5
Feather R NR Verona	11/17/03	1500	100	43	100	7
Feather R NR Verona	12/15/03	1030	100	79	100	56
Feather R NR Verona	1/13/04	0950	50	394	50	6
Feather R NR Verona	1/13/04	0950	25	700		
Feather R NR Verona	2/3/04	1005	25	768	50	36
Feather R NR Verona	2/10/04	0950	100	34	100	0
Feather R NR Verona	2/19/04	1200	5	TNTC	50	TNTC

Appendix 5a. Continued.

			Total Coliform		Fecal Coliform	
Station Name	**Sample Date**	**Sample Time**	**Sample Size (mL)**	**Count #/100 mL**	**Sample Size (mL)**	**Count #/100 mL**
Feather R NR Verona	3/10/04	0915	50	TNTC	50	8
Feather R NR Verona	4/6/04	0850	50	TNTC	100	0
Sacramento R US from Feather R	3/27/02	1630	50	32	100	3
Sacramento R US from Feather R	3/27/02	1630	25	56		
Sacramento R US from Feather R	4/24/02	1730	50	2	100	0
Sacramento R US from Feather R	4/24/02	1730	25	12		
Sacramento R US from Feather R	5/21/02	1445	50	4	100	0
Sacramento R US from Feather R	5/21/02	1445	25	20		
Sacramento R US from Feather R	6/25/02	-	50	2	100	5
Sacramento R US from Feather R	7/24/02	1215	50	0	100	12
Sacramento R US from Feather R	8/21/02	1330	50	0	100	0
Sacramento R US from Feather R	10/22/02	1345	100	0	100	6
Sacramento R US from Feather R	11/14/02	1430	100	0	100	29
Sacramento R US from Feather R	12/11/02	1415	100	36	100	4
Sacramento R US from Feather R	1/14/03	1330	50	80	50	0
Sacramento R US from Feather R	2/20/03	1345	100	65	100	277
Sacramento R US from Feather R	3/19/03	1330	100	-	100	TNTC
Sacramento R US from Feather R	5/15/03	1330	50	20	100	17
Sacramento R US from Feather R	5/15/03	1330	25	60		
Sacramento R US from Feather R	6/17/03	0815	100	8	100	6
Sacramento R US from Feather R	7/8/03	0845	100	13	100	0
Sacramento R US from Feather R	8/11/03	0830	100	20	100	0
Sacramento R US from Feather R	9/17/03	1315	100	6	100	4
Sacramento R US from Feather R	10/27/03	0930	100	42	100	14
Sacramento R US from Feather R	11/17/03	1620	100	38	100	0
Sacramento R US from Feather R	12/15/03	0920	100		100	14
Sacramento R US from Feather R	1/13/04	0830	50	140	50	28
Sacramento R US from Feather R	2/3/04	0850	25	113	50	8
Sacramento R US from Feather R	2/10/04	0830	100	18	100	13
Sacramento R US from Feather R	2/19/04	1310	5	TNTC	50	0
Sacramento R US from Feather R	3/10/04	1045	50	634	50	16
Sacramento R US from Feather R	4/6/04	725	50	TNTC	100	0

a. California Department of Health Services. Draft Guidance for Fresh Water Beaches. July 24, 2001.

b. Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan), Fourth Edition, 1998.

c. geometric mean of 200 bacteria per 100 mL of water from not less than five samples collected over a 30-day period

d. no more than ten percent of the total samples taken during any 30-day period shall have fecal bacteria in excess of 400 organisms per 100 mL.

Appendix 5b. Recreation area bacteria monitoring results for 2002.

Bacteria Criteria				Total Coliform #/100 mL		Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
DHS[1]	Single sample maximum			10,000		400	
CVRWQCB[2]	Geometric Mean of 5 samples/30 days						200
	No more than 10% of samples in 30 days					400	
	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
Afterbay Outlet	8/25/02	1645	50	28	100	0	
Afterbay Outlet	8/25/02	1645	25	28			
Afterbay Outlet	8/28/02	1655	50	16	100	1	
Afterbay Outlet	8/28/02	1655	25	8			
Afterbay Outlet	9/2/02	1715	50	6	100	4	
Afterbay Outlet	9/2/02	1715	25	88			
Afterbay Outlet	9/8/02	1405	50	16	100	5	
Afterbay Outlet	9/8/02	1405	25	24			
Afterbay Outlet	9/15/02	1345	50	38	100	1	2
Afterbay Outlet	9/15/02	1345	25	40			
Bedrock Park (Upstream)	8/25/02	1730	50	82	100	0	
Bedrock Park (Upstream)	8/25/02	1730	25	96			
Bedrock Park (Upstream)	8/28/02	1845	50	64	100	21	
Bedrock Park (Upstream)	8/28/02	1845	25	368			
Bedrock Park (Upstream)	9/2/02	1810	50	166	100	8	

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
Bedrock Park (Upstream)	9/2/02	1810	25	136			
Bedrock Park (Upstream)	9/8/02	1420	50	48	100	0	
Bedrock Park (Upstream)	9/8/02	1420	25	92			
Bedrock Park (Upstream)	9/15/02	1400	50	40	100	4	4
Bedrock Park (Upstream)	9/15/02	1400	25	44			
Bedrock Park (Downstream)	8/25/02	1730	50	66	100	0	
Bedrock Park (Downstream)	8/25/02	1730	25	152			
Bedrock Park (Downstream)	8/28/02	1850	50	94	100	20	
Bedrock Park (Downstream)	8/28/02	1850	25	432			
Bedrock Park (Downstream)	9/2/02	1815	50	16	100	332	
Bedrock Park (Downstream)	9/2/02	1815	25	24			
Bedrock Park (Downstream)	9/8/02	1425	50	78	100	0	
Bedrock Park (Downstream)	9/8/02	1425	25	72			
Bedrock Park (Downstream)	9/15/02	1410	50	162	100	5	8
Bedrock Park (Downstream)	9/15/02	1410	25	172			
Bidwell Marina Houseboats @ E-36	8/25/02	1500	50	0	100	0	
Bidwell Marina Houseboats @ E-36	8/25/02	1500	25	0			
Bidwell Marina Houseboats @ E-36	8/28/02	1450	50	62	100	0	
Bidwell Marina Houseboats @ E-36	8/28/02	1450	25	124			
Bidwell Marina Houseboats @ E-36	9/2/02	1515	50	28	100	3	
Bidwell Marina Houseboats @ E-36	9/2/02	1515	25	124			
Bidwell Marina Houseboats @ E-36	9/8/02	1655	50	8	100	0	
Bidwell Marina Houseboats @ E-36	9/8/02	1655	25	4			
Bidwell Marina Houseboats @ E-36	9/15/02	1635	50	26	100	0	1
Bidwell Marina Houseboats @ E-36	9/15/02	1635	25	48			
Bidwell Marina Houseboats @ L-4	8/25/02	1515	50	6	100	1	
Bidwell Marina Houseboats @ L-4	8/25/02	1515	25	0			
Bidwell Marina Houseboats @ L-4	8/28/02	1505	50	70	100	0	
Bidwell Marina Houseboats @ L-4	8/28/02	1505	25	68			
Bidwell Marina Houseboats @ L-4	9/2/02	1530	50	72	100	2	

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
Bidwell Marina Houseboats @ L-4	9/2/02	1530	25	0			
Bidwell Marina Houseboats @ L-4	9/8/02	1635	50	2	100	1	
Bidwell Marina Houseboats @ L-4	9/8/02	1635	25	4			
Bidwell Marina Houseboats @ L-4	9/15/02	1610	50	54	100	1	1
Bidwell Marina Houseboats @ L-4	9/15/02	1610	25	60			
Foreman Creek Boat Access	8/25/02	1215	50	6	100	0	
Foreman Creek Boat Access	8/25/02	1215	25	0			
Foreman Creek Boat Access	8/28/02	1400	50	44	100	0	
Foreman Creek Boat Access	8/28/02	1400	25	336			
Foreman Creek Boat Access	9/2/02	1430	50	2	100	0	
Foreman Creek Boat Access	9/2/02	1430	25	12			
Foreman Creek Boat Access	9/8/02	1600	50	8	100	4	
Foreman Creek Boat Access	9/8/02	1600	25	16			
Foreman Creek Boat Access	9/15/02	1530	50	10	100	0	1
Foreman Creek Boat Access	9/15/02	1530	25	8			
Mile Long Pond	8/25/02	1630	50	TNTC	100	71	
Mile Long Pond	8/25/02	1630	25	TNTC			
Mile Long Pond	8/28/02	1640	50	26	100	2	
Mile Long Pond	8/28/02	1640	25	200			
Mile Long Pond	9/2/02	1700	50	38	100	7	
Mile Long Pond	9/2/02	1700	25	56			
Mile Long Pond	9/8/02	1355	50	74	100	10	
Mile Long Pond	9/8/02	1355	25	156			
Mile Long Pond	9/15/02	1315	50	54	100	7	9
Mile Long Pond	9/15/02	1315	25	92			
Monument Hill Recreation Area	8/25/02	1700	50	68	100	6	
Monument Hill Recreation Area	8/25/02	1700	25	296			
Monument Hill Recreation Area	8/28/02	1710	50	136	100	42	
Monument Hill Recreation Area	8/28/02	1710	25	304			
Monument Hill Recreation Area	9/2/02	1730	50	0	100	TNTC	

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
Monument Hill Recreation Area	9/2/02	1730	25	0			
Monument Hill Recreation Area	9/8/02	1335	50	26	100	5	
Monument Hill Recreation Area	9/8/02	1335	25	44			
Monument Hill Recreation Area	9/15/02	1250	50	0	100	0	6
Monument Hill Recreation Area	9/15/02	1250	25	4			
North Forebay Recreation Area @ Beach	8/25/02	1800	50	86	50	8	
North Forebay Recreation Area @ Beach	8/25/02	1800	25	124	25	16	
North Forebay Recreation Area @ Beach	8/28/02	1915	50	TNTC	50	208	
North Forebay Recreation Area @ Beach	8/28/02	1915	25	688	25	228	
North Forebay Recreation Area @ Beach	9/2/02	1840	50	8	50	158	
North Forebay Recreation Area @ Beach	9/2/02	1840	25	48	25	196	
North Forebay Recreation Area @ Beach	9/8/02	1240	50	0	50	288	
North Forebay Recreation Area @ Beach	9/8/02	1240	25	32	25	416	
North Forebay Recreation Area @ Beach	9/15/02	1220	50	4	50	6	
North Forebay Recreation Area @ Beach	9/15/02	1220	25	12	25	8	
North Forebay Recreation Area @ Beach	9/19/02	1615	100	12	100	18	64
North Forebay Recreation Area @ Beach	9/19/02	1615					
North Forebay Recreation Area @ Footbridge	8/25/02	1800	50	12	50	4	
North Forebay Recreation Area @ Footbridge	8/25/02	1800	25	4	25	0	
North Forebay Recreation Area @ Footbridge	8/28/02	1910	50	0	50	38	
North Forebay Recreation Area @ Footbridge	8/28/02	1910	25	4	25	44	
North Forebay Recreation Area @ Footbridge	9/2/02	1845	50	0	50	148	
North Forebay Recreation Area @ Footbridge	9/2/02	1845	25	0	25	140	
North Forebay Recreation Area @ Footbridge	9/8/02	1235	50	0	50	22	
North Forebay Recreation Area @ Footbridge	9/8/02	1235	25	4	25	44	
North Forebay Recreation Area @ Footbridge	9/15/02	1215	50	0	50	10	
North Forebay Recreation Area @ Footbridge	9/15/02	1215	25	0	25	4	
North Forebay Recreation Area @ Footbridge	9/19/02	1615	100	2	100	0	14
North Forebay Recreation Area @ Footbridge	9/19/02	1615					
North Forebay Recreation Area @ Mouth	8/25/02	1800	50	130	50	20	

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
North Forebay Recreation Area @ Mouth	8/25/02	1800	25	156	25	16	
North Forebay Recreation Area @ Mouth	8/28/02	1905	50	32	50	2	
North Forebay Recreation Area @ Mouth	8/28/02	1905	25	140	25	0	
North Forebay Recreation Area @ Mouth	9/2/02	1835	50	4	50	40	
North Forebay Recreation Area @ Mouth	9/2/02	1835	25	44	25	28	
North Forebay Recreation Area @ Mouth	9/8/02	1245	50	32	50	16	
North Forebay Recreation Area @ Mouth	9/8/02	1245	25	48	25	4	
North Forebay Recreation Area @ Mouth	9/15/02	1205	50	0	50	18	
North Forebay Recreation Area @ Mouth	9/15/02	1205	25	12	25	32	
North Forebay Recreation Area @ Mouth	9/19/02	1615	100	18	100	2	9
North Forebay Recreation Area @ Mouth	9/19/02	1615					
Potter Ravine Floating Campsite	8/25/02	1400	50	0	100	0	
Potter Ravine Floating Campsite	8/25/02	1400	25	0			
Potter Ravine Floating Campsite	8/28/02	1345	50	2	100	1	
Potter Ravine Floating Campsite	8/28/02	1345	25	0			
Potter Ravine Floating Campsite	9/2/02	1415	50	0	100	10	
Potter Ravine Floating Campsite	9/2/02	1415	25	16			
Potter Ravine Floating Campsite	9/8/02	1550	50	2	100	0	
Potter Ravine Floating Campsite	9/8/02	1550	25	0			
Potter Ravine Floating Campsite	9/15/02	1520	50	34	100	1	2
Potter Ravine Floating Campsite	9/15/02	1520	25	36			
South Forebay Boat Launch	8/25/02	1715	50	78	100	1	
South Forebay Boat Launch	8/25/02	1715	25	148			
South Forebay Boat Launch	8/28/02	1730	50	192	100	78	
South Forebay Boat Launch	8/28/02	1730	25	328			
South Forebay Boat Launch	9/2/02	1750	50	0	100	96	
South Forebay Boat Launch	9/2/02	1750	25	88			
South Forebay Boat Launch	9/8/02	1315	50	64	100	61	
South Forebay Boat Launch	9/8/02	1315	25	172			
South Forebay Boat Launch	9/15/02	1235	50	334	100	59	31

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
South Forebay Boat Launch	9/15/02	1235	25	256			
South Forebay Recreation Area	8/25/02	1715	50	324	100	111	
South Forebay Recreation Area	8/25/02	1715	25	392			
South Forebay Recreation Area	8/28/02	1735	50	TNTC	100	103	
South Forebay Recreation Area	8/28/02	1735	25	468			
South Forebay Recreation Area	9/2/02	1755	50	2	100	213	
South Forebay Recreation Area	9/2/02	1755	25	4			
South Forebay Recreation Area	9/8/02	1320	50	28	100	1	
South Forebay Recreation Area	9/8/02	1320	25	64			
South Forebay Recreation Area	9/15/02	1240	50	40	100	13	32
South Forebay Recreation Area	9/15/02	1240	25	0			
Stringtown Cove	8/25/02	1430	50	0	100	0	
Stringtown Cove	8/25/02	1430	25	4			
Stringtown Cove	8/28/02	1410	50	132	100	0	
Stringtown Cove	8/28/02	1410	25	164			
Stringtown Cove	9/2/02	1445	50	4	100	0	
Stringtown Cove	9/2/02	1445	25	8			
Stringtown Cove	9/8/02	1615	50	0	100	0	
Stringtown Cove	9/8/02	1615	25	0			
Stringtown Cove	9/15/02	1545	50	0	100	0	0
Stringtown Cove	9/15/02	1545	25	0			
Stringtown Main Body	8/25/02	1435	50	6	100	1	
Stringtown Main Body	8/25/02	1435	25	8			
Stringtown Main Body	8/28/02	1415	50	26	100	0	
Stringtown Main Body	8/28/02	1415	25	44			
Stringtown Main Body	9/2/02	1450	50	0	100	0	
Stringtown Main Body	9/2/02	1450	25	32			
Stringtown Main Body	9/8/02	1620	50	2	100	1	
Stringtown Main Body	9/8/02	1620	25	4			

Appendix 5b. Continued.

	Sample Date	Sample Time	Sample Volume	Total Coliform #/100 mL	Sample Volume	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)
Stringtown Main Body	9/15/02	1550	50	0	100	0	1
Stringtown Main Body	9/15/02	1550	25	4			

1. California Department of Health Services. Draft Guidance for Fresh Water Beaches. July 24, 2001.
2. Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan), Fourth Edition, 1998.

Appendix 5c. Recreation area bacteria monitoring results for 2003.

Bacteria Criteria		Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
DHS[1]	**Single sample maximum**	**10,000**	**400**		**61**		
CVRWQCB[2]	**Geometric Mean of 5 samples/30 days**			**200**			
	No more than 10% of samples in 30 days		**400**				
USEPA[3]	**Single sample maximum**				**61**		
	Geometric Mean of 5 samples/30 days					**33**	

Station Name	Sample Date	Sample Time	Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
Bedrock Park US	6/10/03	0905	300	300		170		170
Bedrock Park US	6/23/03	0845	70	50		30		50
Bedrock Park US	6/26/03	0945	90	11		2		8
Bedrock Park US	6/30/03	1020	130	8		14		22
Bedrock Park US	7/3/03	1030	90	4	22	4	14	11
Bedrock Park US	7/7/03	1005	240	9	11	4	7	14
Bedrock Park US	7/10/03	1035	70	6	7	2	4	7
Bedrock Park US	7/14/03	1045	23	23	8	4	4	8
Bedrock Park US	7/17/03	1045	80	23	10	30	5	50
Bedrock Park US	8/6/03	0850	>1600	170	22	50	9	280

Appendix 5c. Continued.

Station Name	Sample Date	Sample Time	Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
Bedrock Park DS	6/10/03	0905	300	170		300		500
Bedrock Park DS	6/23/03	0855	350	14		17		27
Bedrock Park DS	6/26/03	0955	500	23		30		170
Bedrock Park DS	6/30/03	1025	110	13		4		30
Bedrock Park DS	7/3/03	1140	220	30	29	11	23	22
Bedrock Park DS	7/7/03	1010	189	8	16	12	12	16
Bedrock Park DS	7/10/03	1045	80	17	16	4	9	26
Bedrock Park DS	7/14/03	1100	240	17	16	11	7	140
Bedrock Park DS	7/17/03	1055	240	80	22	23	11	80
Bedrock Park DS	8/6/03	0855	900	300	35	4	9	11
Foreman Creek Boat Access	6/10/03	0810	>1600	>1600		500		900
Foreman Creek Boat Access	6/23/03	0700	220	80		-		-
Foreman Creek Boat Access	6/26/03	0845	22	2		2		7
Foreman Creek Boat Access	6/30/03	0845	50	8		7		7
Foreman Creek Boat Access	7/3/03	0850	170	4	24	280		280
Foreman Creek Boat Access	7/7/03	0755	50	8	8	6	26	6
Foreman Creek Boat Access	7/10/03	0830	220	140	9	<2	7	2
Foreman Creek Boat Access	7/14/03	0900	>1600	13	14	20	12	23
Foreman Creek Boat Access	7/17/03	0850	17	7	13	2	9	4
Foreman Creek Boat Access	8/6/03	0815	21	<2	10	-		<2
Loafer Creek Swim Area	6/10/03	0830	>1600	1600		>1600		>1600
Loafer Creek Swim Area	6/23/03	0830	>1600	500		59		123
Loafer Creek Swim Area	6/26/03	0805	240	50		300		500
Loafer Creek Swim Area	6/30/03	0900	300	130		23		23
Loafer Creek Swim Area	7/3/03	0910	300	50	192	<2	58	33
Loafer Creek Swim Area	7/7/03	0815	220	11	71	27	26	110
Loafer Creek Swim Area	7/10/03	0855	30	8	31	2	13	2
Loafer Creek Swim Area	7/14/03	0920	70	8	21	17	7	33
Loafer Creek Swim Area	7/17/03	0905	130	30	16	7	6	80
Loafer Creek Swim Area	8/6/03	0745	14	2	8	6	8	6

Appendix 5c. Continued.

Station Name	Sample Date	Sample Time	Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
Monument Hill Swim Area	6/10/03	1005	80	30		50		50
Monument Hill Swim Area	6/23/03	0930	60	4		110		170
Monument Hill Swim Area	6/26/03	0910	130	50		280		900
Monument Hill Swim Area	6/30/03	0950	80	8		27		27
Monument Hill Swim Area	7/3/03	1005	500	30	17	23	63	30
Monument Hill Swim Area	7/7/03	920	900	23	16	30	56	130
Monument Hill Swim Area	7/10/03	1000	900	500	42	130	58	130
Monument Hill Swim Area	7/14/03	1020	220	7	29	4	25	7
Monument Hill Swim Area	7/17/03	1010	900	170	53	30	25	70
Monument Hill Swim Area	8/6/03	1000	>1600	110	68	17	24	22
North Forebay Swim Area (Beach)	6/10/03	0935	220	23		22		50
North Forebay Swim Area (Beach)	6/23/03	0920	>1600	>1600		1600		1600
North Forebay Swim Area (Beach)	6/26/03	1010	1600	1600		>1600		>1600
North Forebay Swim Area (Beach)	6/30/03	1040	900	500		140		140
North Forebay Swim Area (Beach)	7/3/03	1105	>1600	>1600	543	1600	417	1600
North Forebay Swim Area (Beach)	7/7/03	1040	170	130	767	50	491	70
North Forebay Swim Area (Beach)	7/10/03	1115	300	50	384	1600	491	1600
North Forebay Swim Area (Beach)	7/14/03	1125	>1600	500	384	220	330	500
North Forebay Swim Area (Beach)	7/17/03	1125	1600	900	342	80	295	130
North Forebay Swim Area (Beach)	8/6/03	0915	50000	5000	430	>1600	295	>1600
North Forebay Swim Area (Cove)	6/10/03	0930	500	500		500		500
North Forebay Swim Area (Cove)	6/23/03	0915	1300	140		300		300
North Forebay Swim Area (Cove)	6/26/03	1005	1600	300		80		80
North Forebay Swim Area (Cove)	6/30/03	1035	1600	240		70		140
North Forebay Swim Area (Cove)	7/3/03	1100	500	130	231	1600	266	>1600
North Forebay Swim Area (Cove)	7/7/03	1035	1600	300	208	80	185	110
North Forebay Swim Area (Cove)	7/10/03	1110	80	22	144	2	68	4
North Forebay Swim Area (Cove)	7/14/03	1120	>1600	900	179	70	66	70
North Forebay Swim Area (Cove)	7/17/03	1115	>1600	300	187	220	83	280
North Forebay Swim Area (Cove)	8/6/03	0905	>160000	22000	523	>1600	83	>1600

Appendix 5c. Continued.

Station Name	Sample Date	Sample Time	Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
North Forebay Swim Area (Mouth)	6/10/03	0925	300	70		900		900
North Forebay Swim Area (Mouth)	6/23/03	0900	500	50		13		13
North Forebay Swim Area (Mouth)	6/26/03	1015	140	30		23		23
North Forebay Swim Area (Mouth)	6/30/03	1050	600	30		14		14
North Forebay Swim Area (Mouth)	7/3/03	1050	280	220	59	110	53	110
North Forebay Swim Area (Mouth)	7/7/03	1025	>1600	80	60	29	27	29
North Forebay Swim Area (Mouth)	7/10/03	1055	220	14	47	21	29	21
North Forebay Swim Area (Mouth)	7/14/03	1110	900	50	52	11	25	11
North Forebay Swim Area (Mouth)	7/17/03	1105	>1600	500	91	110	38	220
North Forebay Swim Area (Mouth)	8/6/03	0920	>1600	>1600	135	1600	65	>1600
South Forebay Boat Ramp	6/10/03	0945	22	22		23		23
South Forebay Boat Ramp	6/23/03	0950	130	8		900		900
South Forebay Boat Ramp	6/26/03	0920	17	4		4		4
South Forebay Boat Ramp	6/30/03	1000	300	130		220		220
South Forebay Boat Ramp	7/3/03	1015	170	50	21	7	42	7
South Forebay Boat Ramp	7/7/03	940	900	130	31	80	54	80
South Forebay Boat Ramp	7/10/03	1015	280	11	33	50	30	50
South Forebay Boat Ramp	7/14/03	1030	900	500	86	300	71	300
South Forebay Boat Ramp	7/17/03	1020	>1600	>1600	142	500	84	500
South Forebay Boat Ramp	8/6/03	0945	>1600	>1600	283	300	178	300
South Forebay Swim Area	6/10/03	0950	30	17		2		30
South Forebay Swim Area	6/23/03	0945	17	13		7		7
South Forebay Swim Area	6/26/03	0925	110	26		30		30
South Forebay Swim Area	6/30/03	1005	500	30		11		11
South Forebay Swim Area	7/3/03	1020	300	30	22	>1600	24	>1600
South Forebay Swim Area	7/7/03	945	140	7	18	2	24	6
South Forebay Swim Area	7/10/03	1020	40	8	17	17	28	17
South Forebay Swim Area	7/14/03	1035	>1600	1600	38	1600	63	1600
South Forebay Swim Area	7/17/03	1030	300	50	42	30	76	50
South Forebay Swim Area	8/6/03	0950	>1600	>1600	94	>1600	76	>1600

Appendix 5c. Continued.

Station Name	Sample Date	Sample Time	Total Coliform #/100 mL	Fecal Coliform #/100 mL	Geometric Mean Fecal Coliform (5 samples/30 days)	Enterococcus #/100 mL	Geometric Mean Enterococcus (5 samples/30 days)	Fecal Streptococcus #/100 mL
Stringtown Boat Ramp	6/10/03	0735	300	130		900		1600
Stringtown Boat Ramp	6/23/03	0800	70	4		900		900
Stringtown Boat Ramp	6/26/03	0830	50	2		29		44
Stringtown Boat Ramp	6/30/03	0915	2	2		2		2
Stringtown Boat Ramp	7/3/03	0930	1600	1600	20	>1600	150	>1600
Stringtown Boat Ramp	7/7/03	0835	30	<2	8	2	44	4
Stringtown Boat Ramp	7/10/03	0915	11	<2	6	<2	11	2
Stringtown Boat Ramp	7/14/03	0945	37	4	7	4	8	6
Stringtown Boat Ramp	7/17/03	0930	22	<2	6	2	8	29
Stringtown Boat Ramp	8/6/03	0720	17	<2	1	<2	2	2

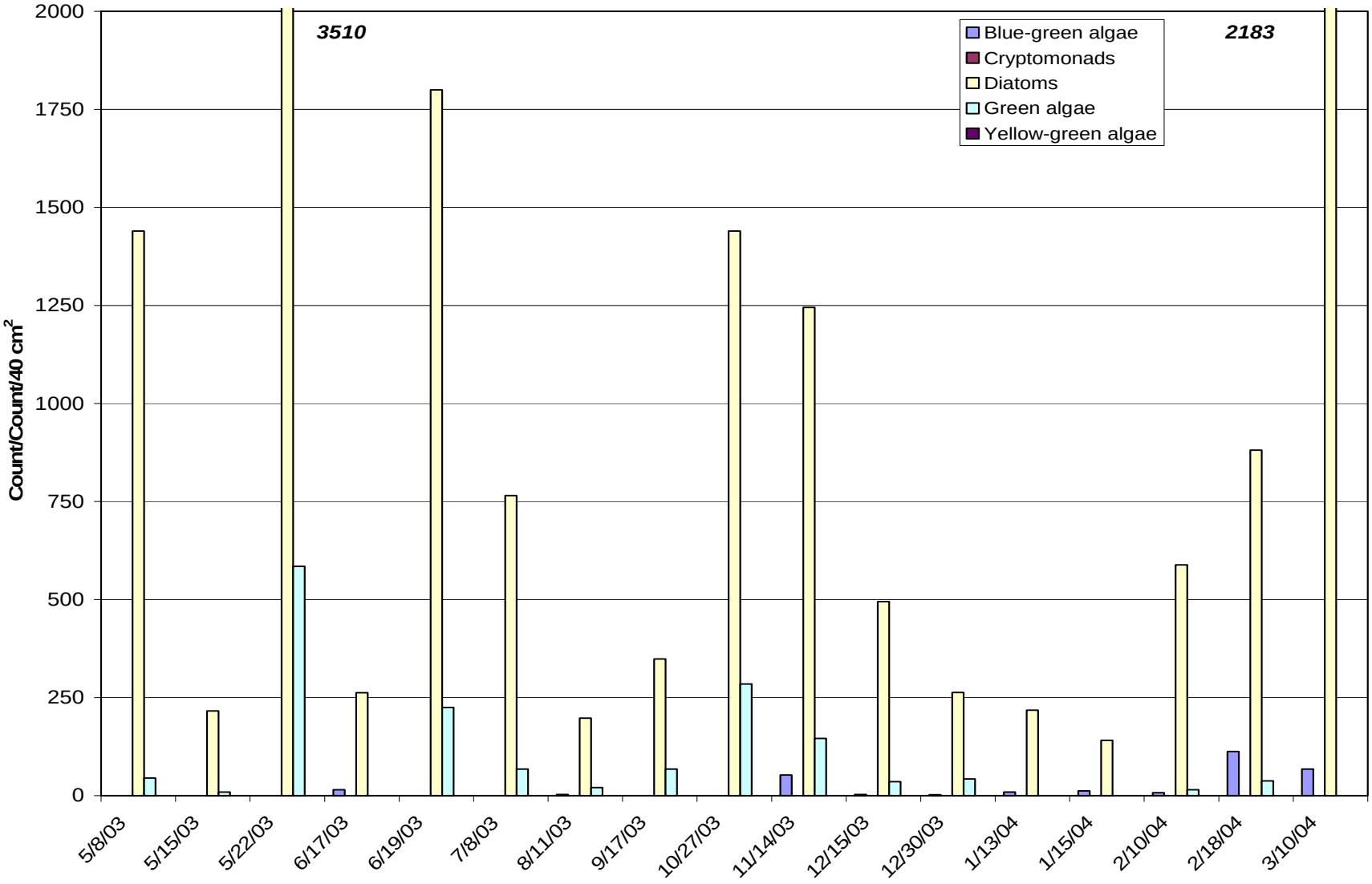
1. California Department of Health Services. Draft Guidance for Fresh Water Beaches. July 24, 2001.
2. Central Valley Regional Water Quality Control Board. Water Quality Control Plan (Basin Plan), Fourth Edition, 1998.
3. USEPA. Ambient Water Quality Criteria for Bacteria - 1986. EPA 440/5-84-002.

Appendix 6. List of algae species found in periphyton samples

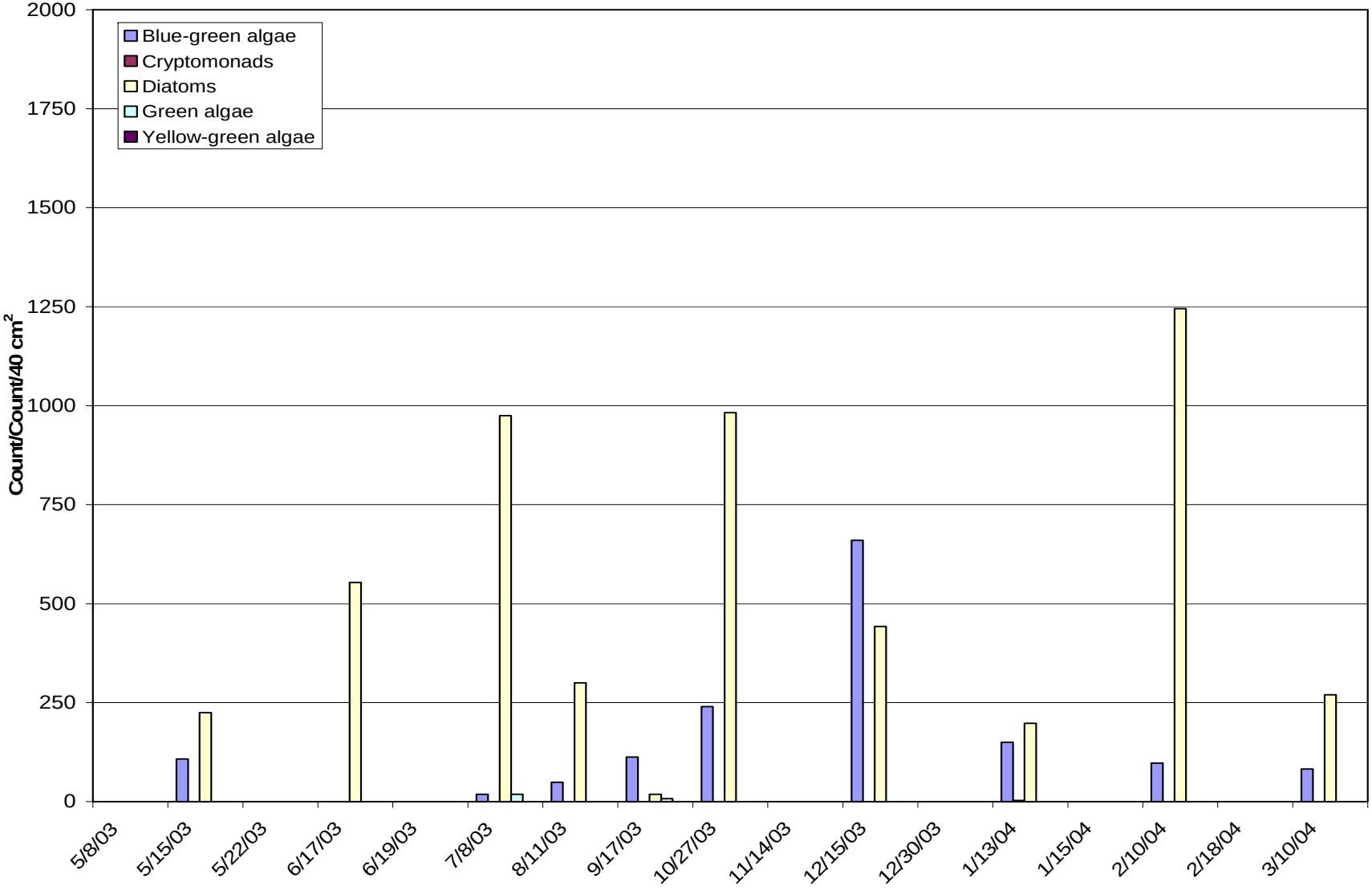
Family	Genus	Species
Bacillariophyceae (Diatoms)	*Achnanthes*	sp.
	Amphora	*ovalis*
	Aulacoseira	*granulata*
	Caloneis	sp.
	Cocconeis	sp.
	Cosinodiscus	sp.
	Cyclotella	sp.
	Cymbella	sp.
	Diatoma	sp.
	Epithemia	sp.
	Eunotia	sp.
	Fragilaria	*crotonensis*
	Fragilaria	sp.
	Gomphonema	sp.
	Gyrosigma	sp.
	Melosira	sp.
	Navicula	sp.
	Nitzschia	sp.
	Pennate	*diatom*
	Rhoicoshpenia	*curvata*
	Stauroneis	sp.
	Synedra	*actinastroides*
	Synedra	*capitata*
	Synedra	sp.
Chlorophyceae (Green algae)	*Ankistrodesmus*	*falcatus*
	Bulbochaete	sp.
	Calothrix	sp.
	Chaetophora	sp.
	Cladophora	sp.
	Closterium	sp.
	Coleochaete	sp.
	Cosmarium	sp.
	Desmidium	sp.
	Dictyosphaerium	*pulchellum*
	Elakatothrix	sp.
	Eremosphaera	viridis
	Mougeotia	sp.
	Oedogonium	sp.
	Pediastrum	*duplex*

Family	Genus	Species
	Pediastrum	*tetras*
	Protoderma	sp.
	Scenedesmus	*dimorphus*
	Scenedesmus	*quadricauda*
	Scenedesmus	sp.
	Spirogyra	sp.
	Stigeoclonium	sp.
	Tetraedron	sp.
	Tetrastrum	*staurogeniaeforme*
	Ulothrix	sp.
	Zygnema	sp.
Cryptophyceae	*Cryptomonas*	sp.
	Rhodomonas	sp.
Crysophyceae	*Synura*	Sp.
Cyanophyceae	*Anabaena*	sp.
	Aphanizomenon	*flos-aquae*
	Aphanocapsa	sp.
	Homoeothrix	sp.
	Lyngbya	sp.
	Oscillatoria	sp.
	Phormidium	sp.
	Pseudanabaena	sp.
	Rivularia	sp.
	Synechocystis	sp.
Rhodophyceae	*Audouinella*	sp.

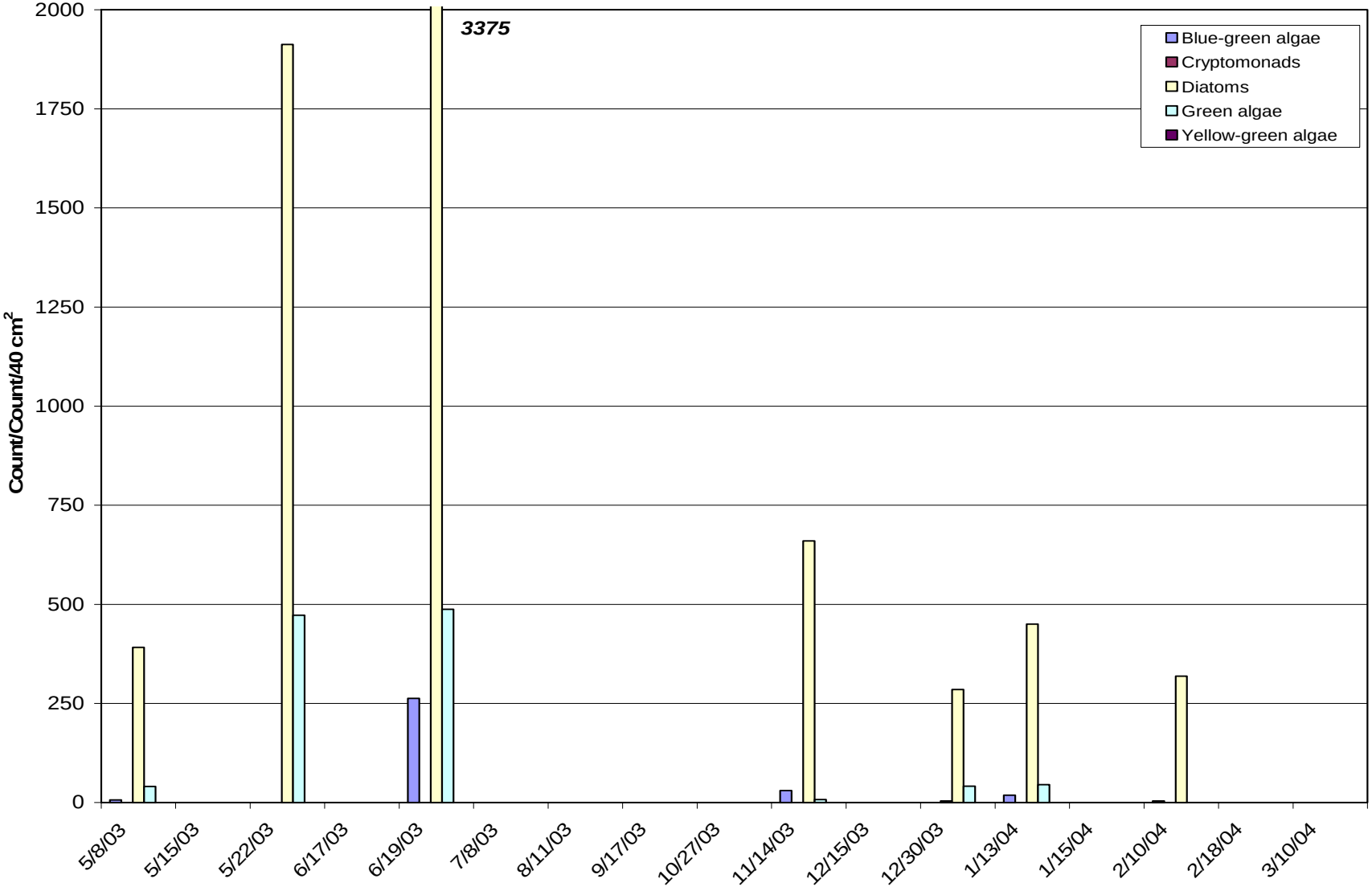
Appendix 7.1. Periphyton densities by sampling date - Feather River upstream from the hatchery.



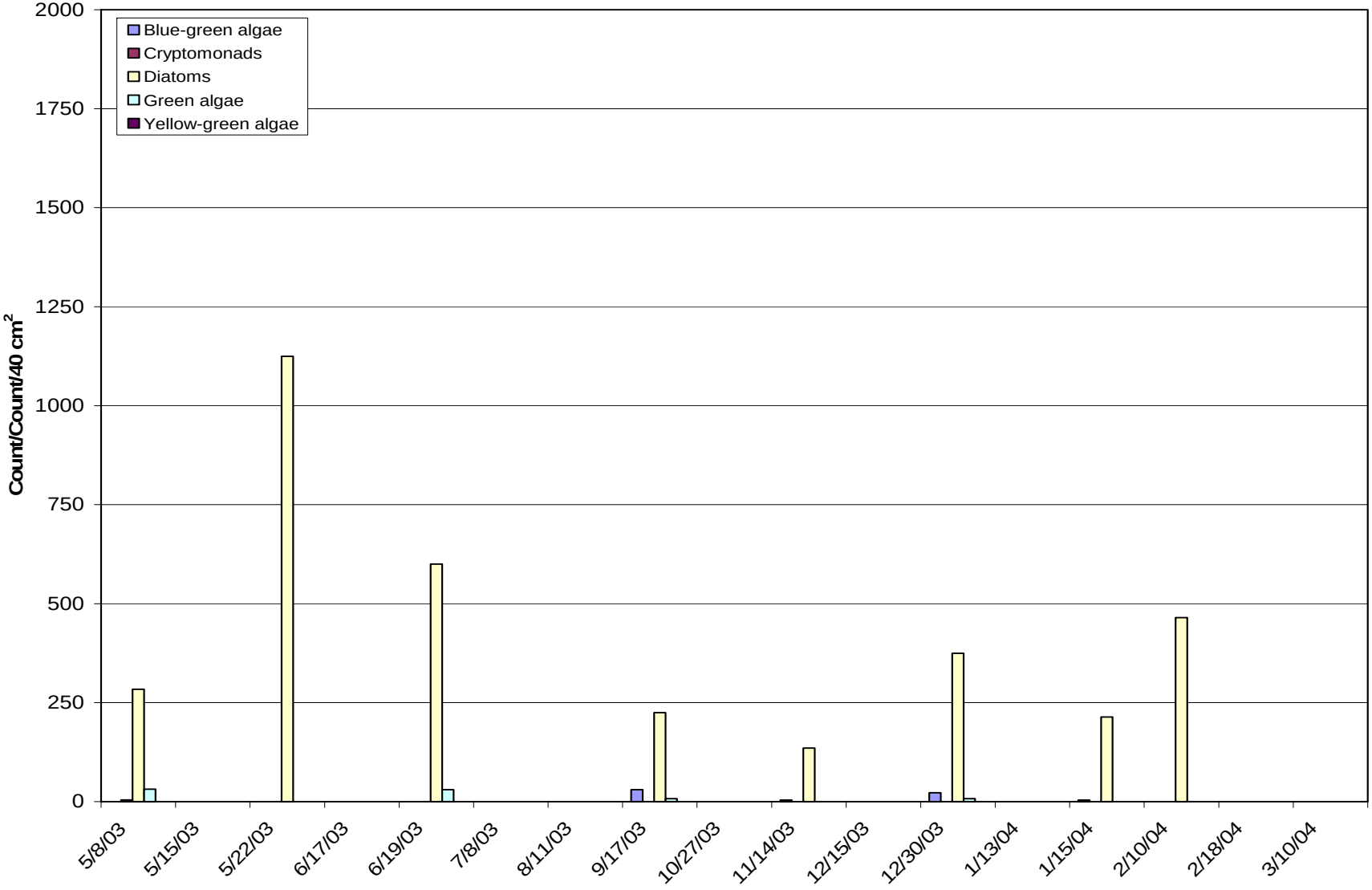
Appendix 7.2. Periphyton densities by sampling date - Feather River downstream from the hatchery.



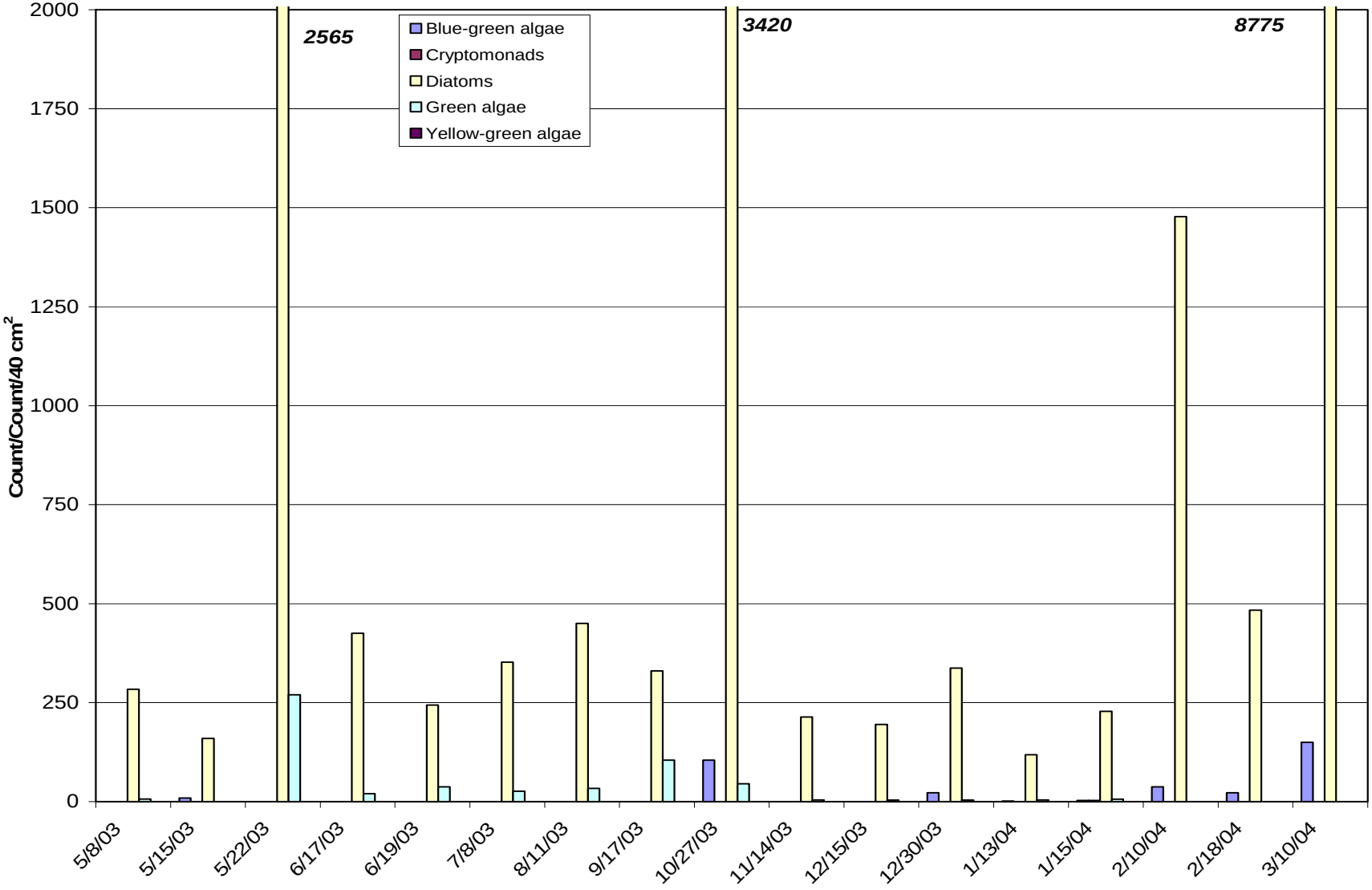
Appendix 7.3. Periphyton densities by sampling date - Feather River at Auditorium Riffle.



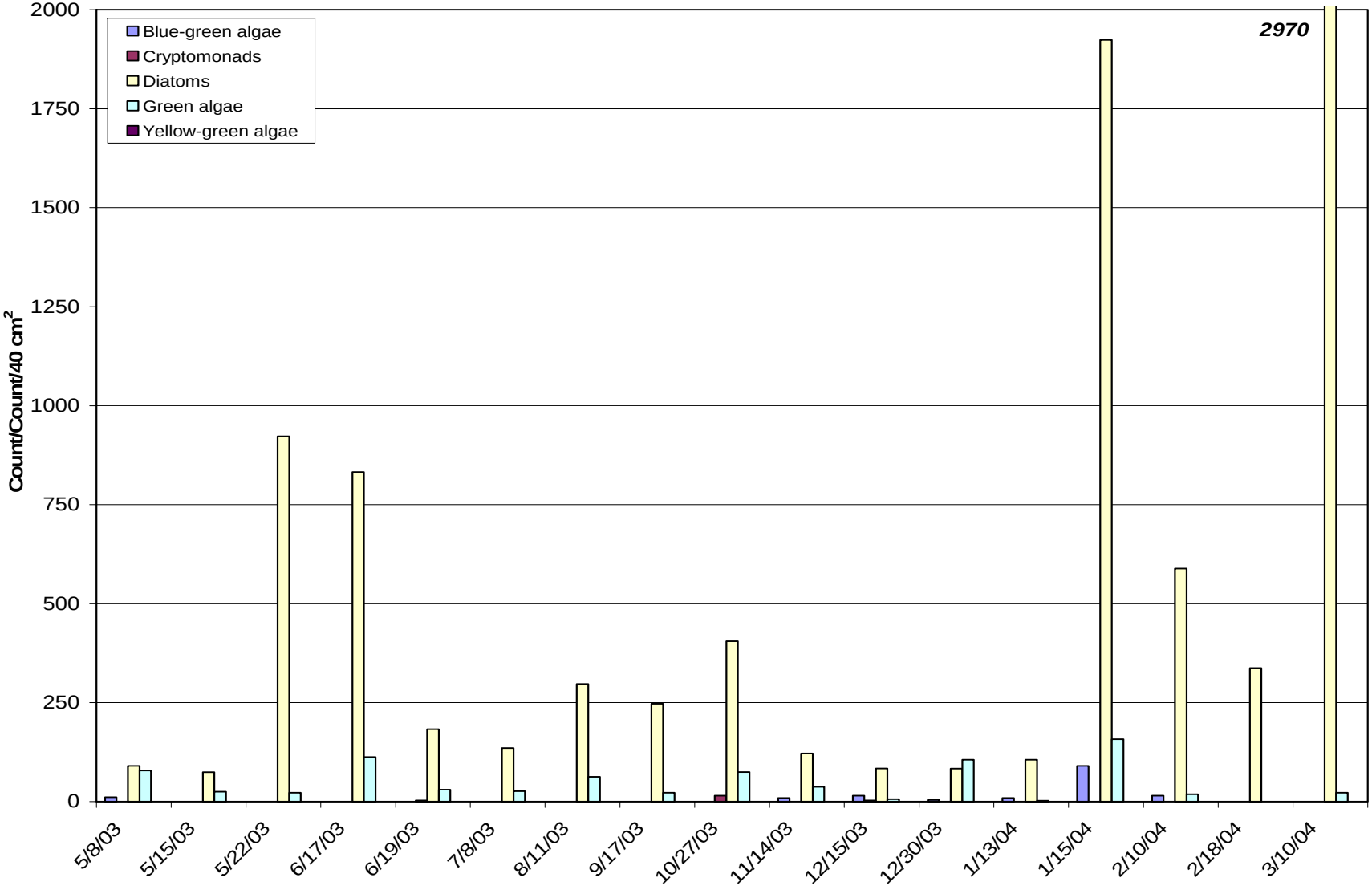
Appendix 7.4. Periphyton densities by sampling date - Feather River at spawning channel.



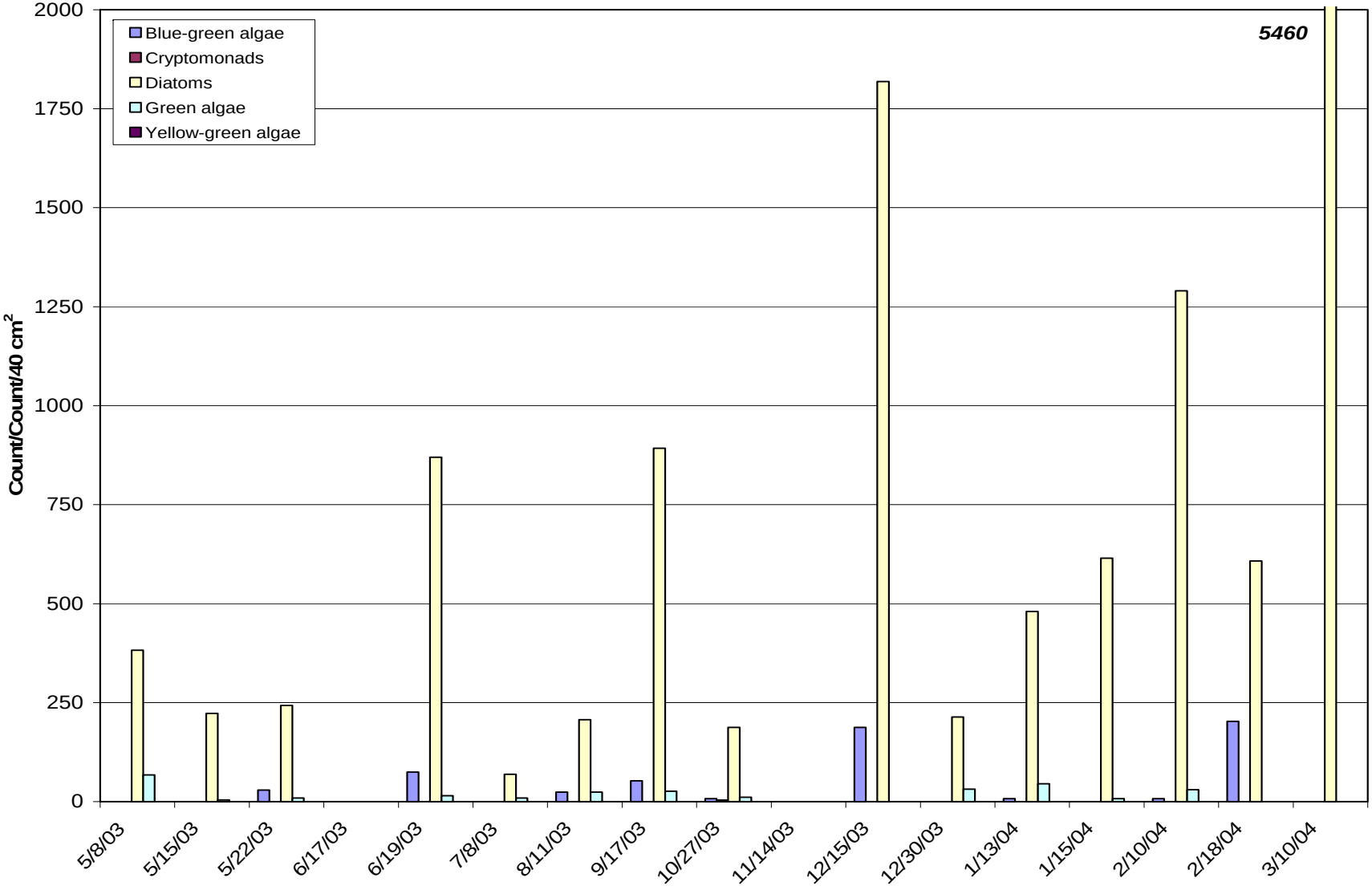
Appendix 7.5. Periphyton densities by sampling date - Feather River downstream from Highway 162 bridge.



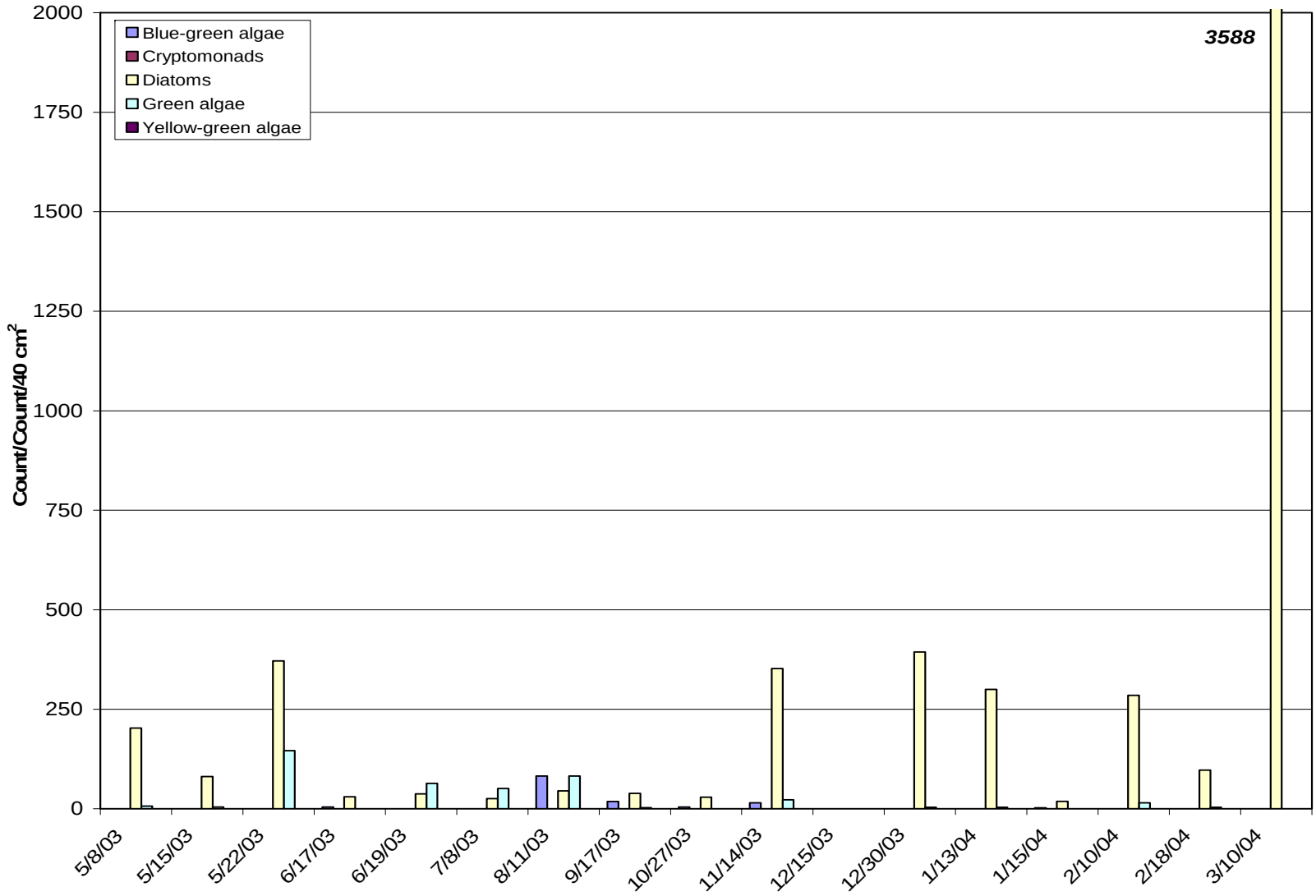
Appendix 7.6. Periphyton densities by sampling date - Feather River at Robinson Riffle.



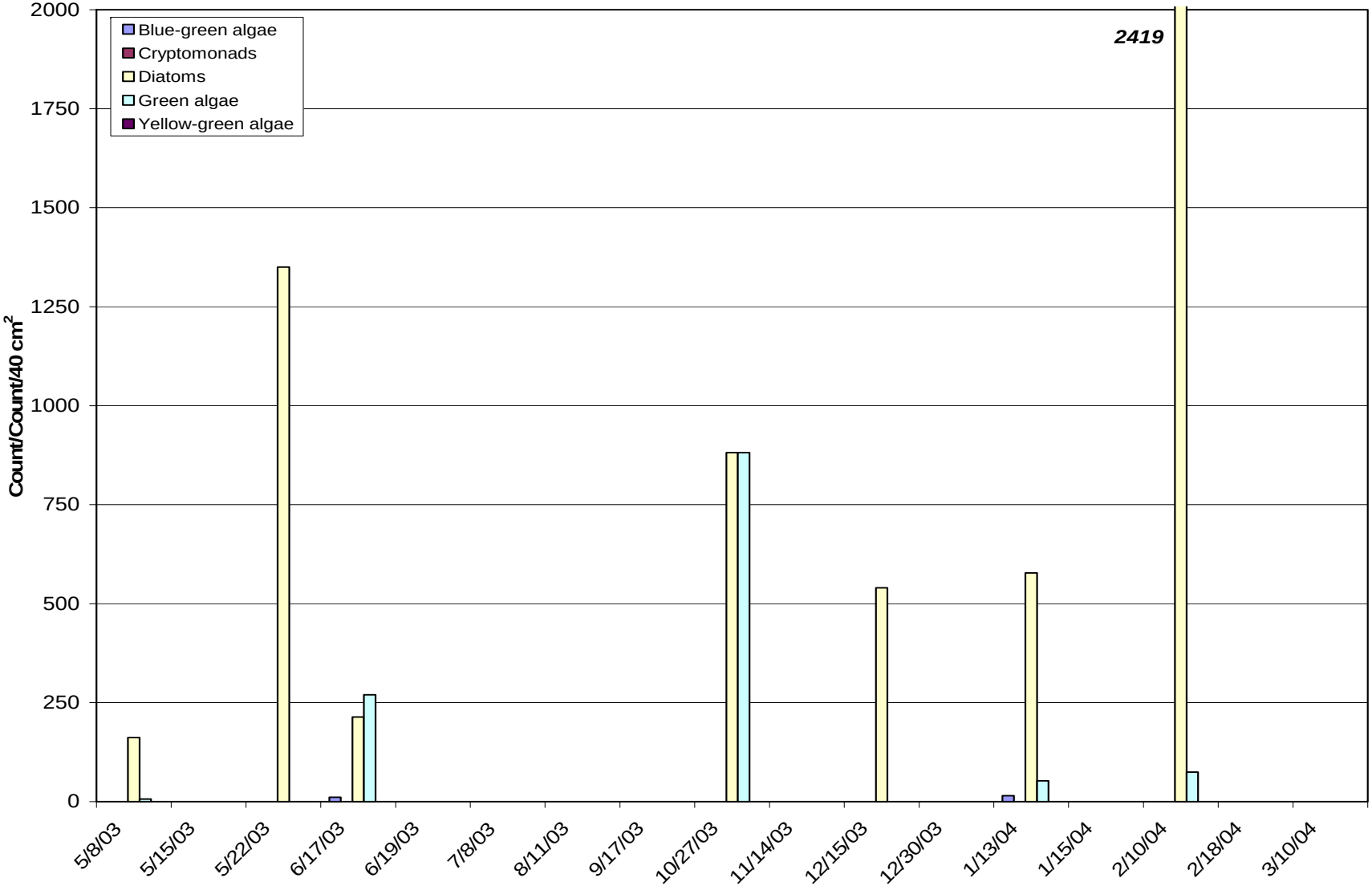
Appendix 7.7. Periphyton densities by sampling date - Feather River upstream from Thermalito Afterbay Outlet.



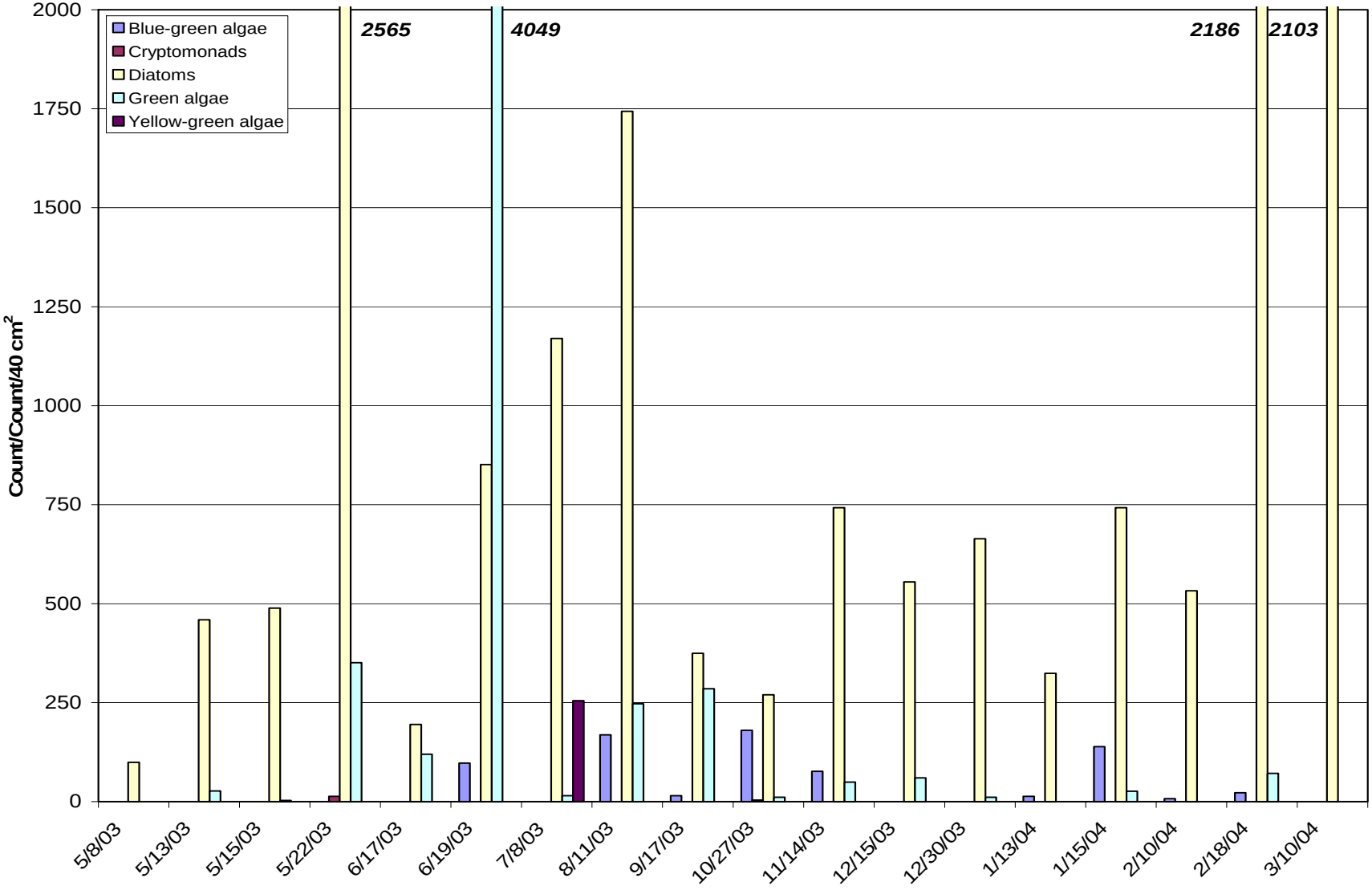
Appendix 7.8. Periphyton densities by sampling date - Feather River downstream from Thermalito Afterbay Outlet.



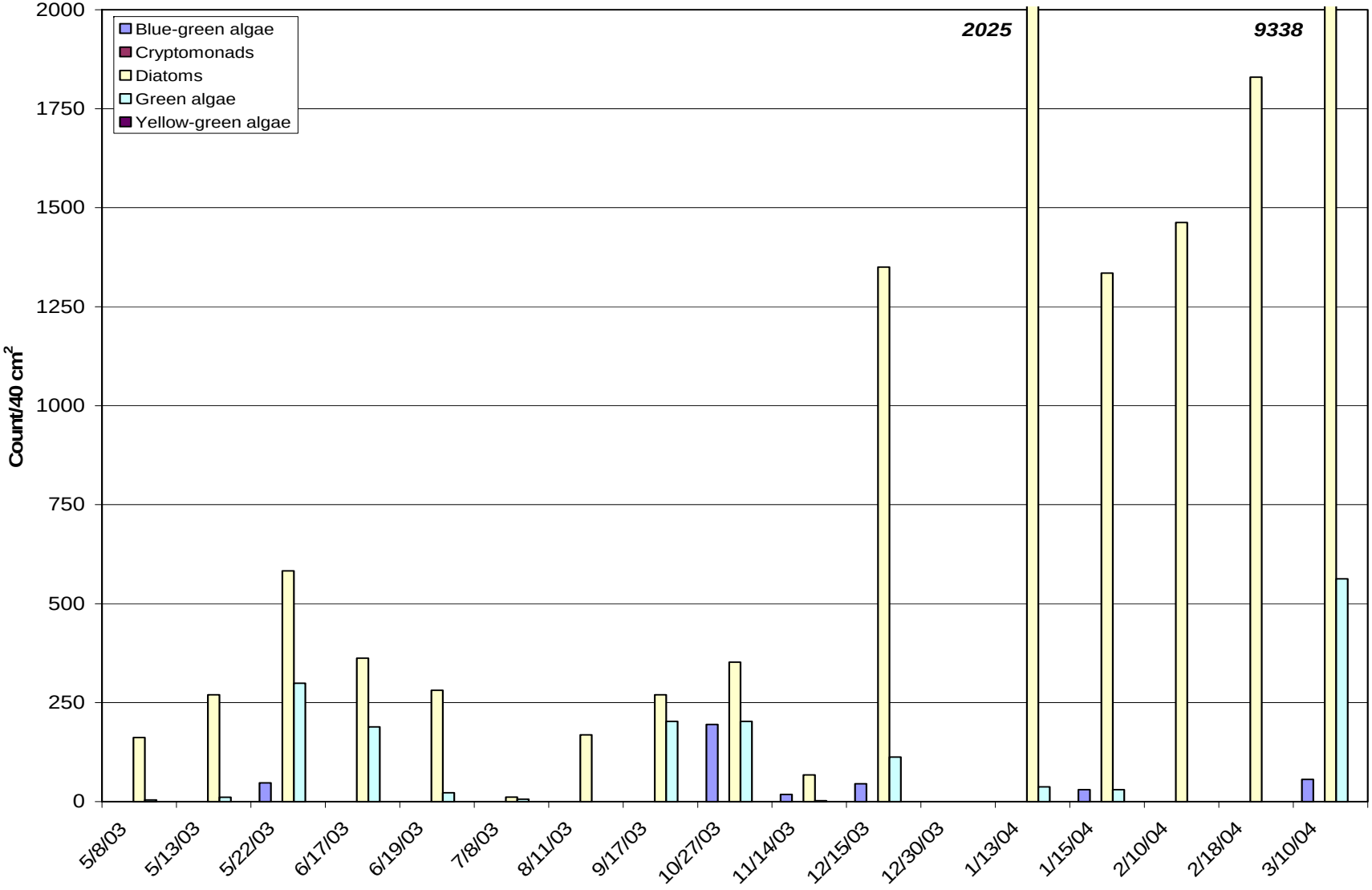
Appendix 7.9. Periphyton densities by sampling date - Feather River upstream from the SCOR outfall.



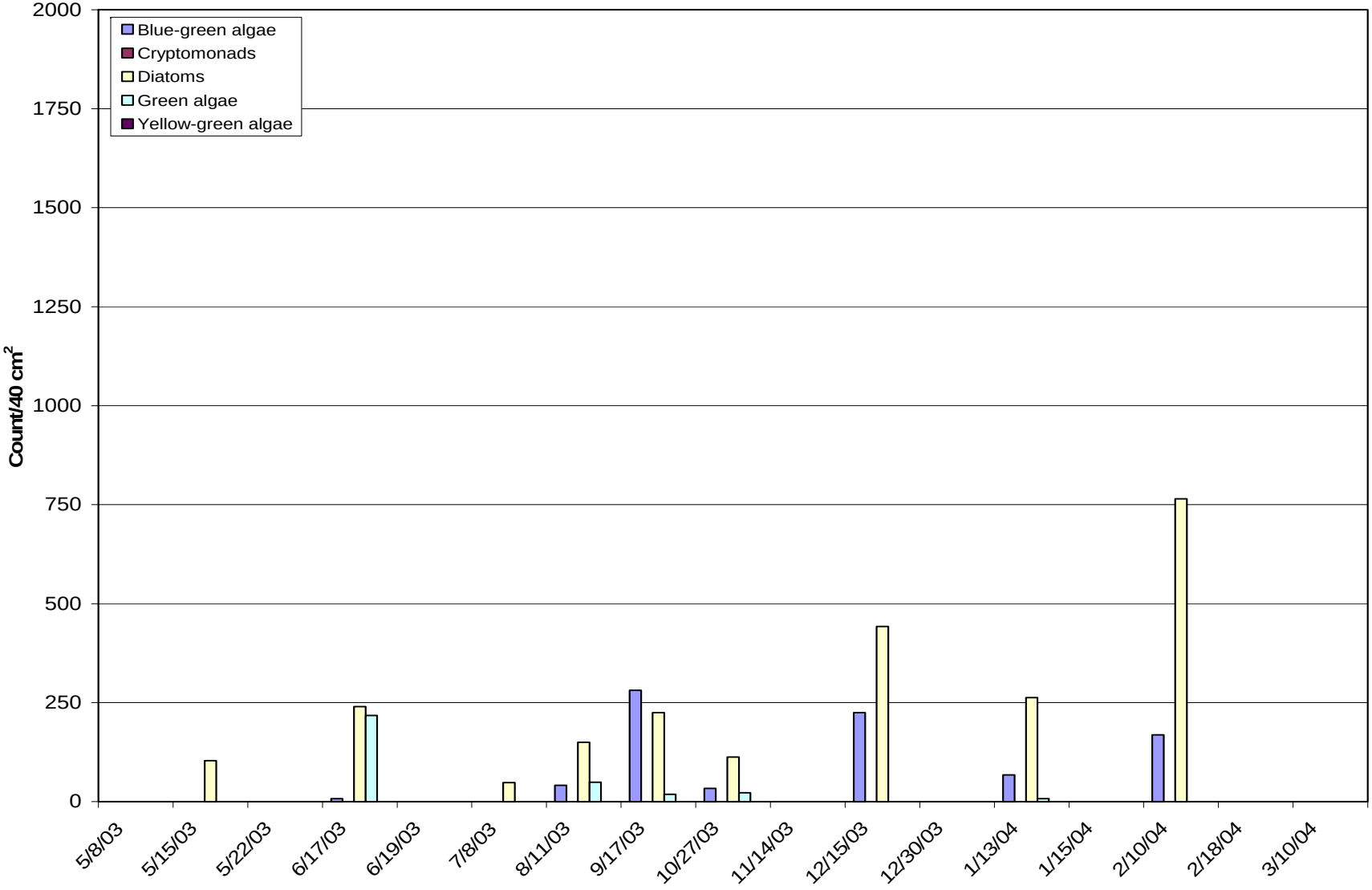
Appendix 7.10. Periphyton densities by sampling date - Feather River downstream from the SCOR outfall.



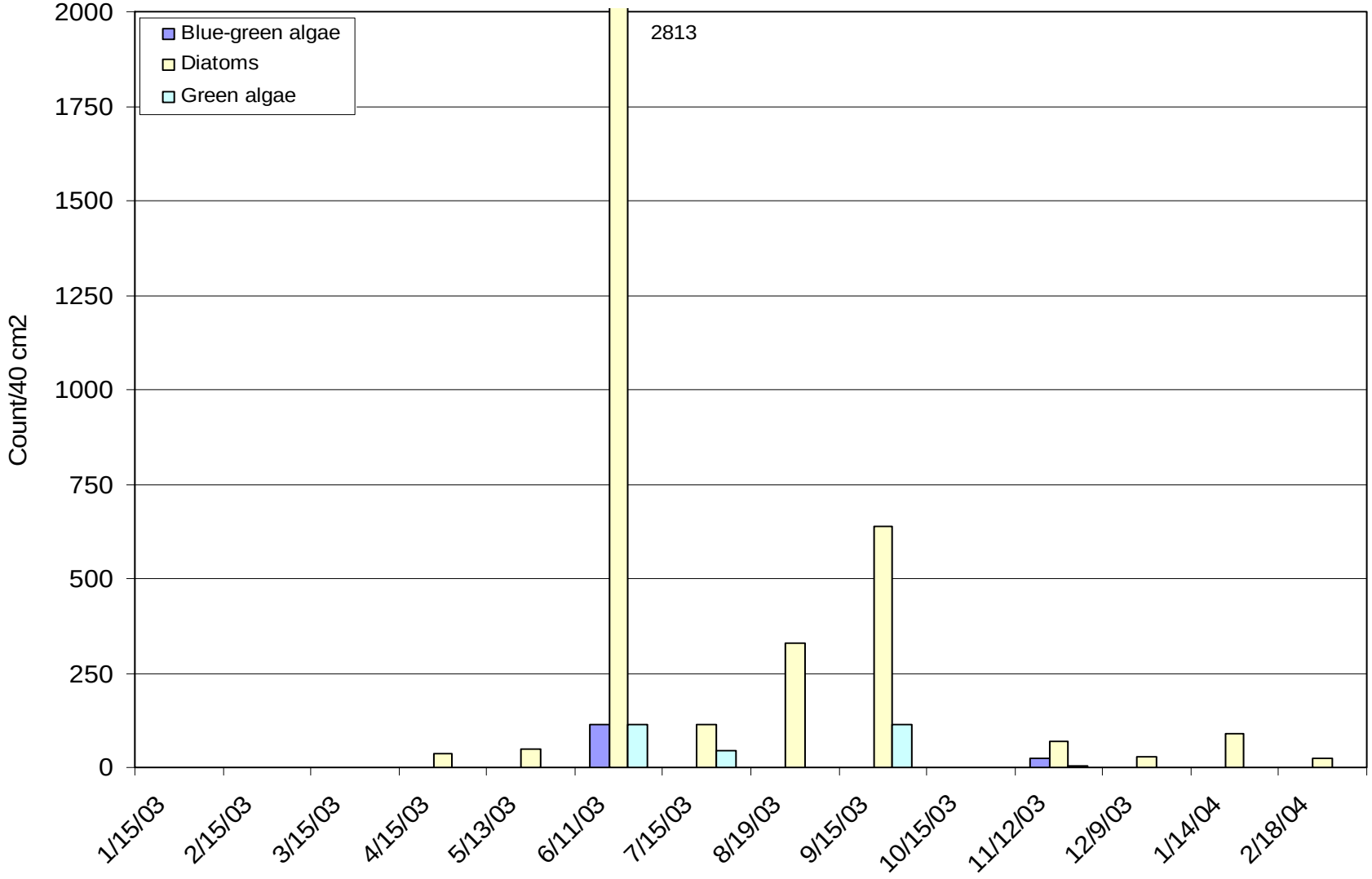
Appendix 7.11. Periphyton densities by sampling date - Feather River near Mile Long Pond.



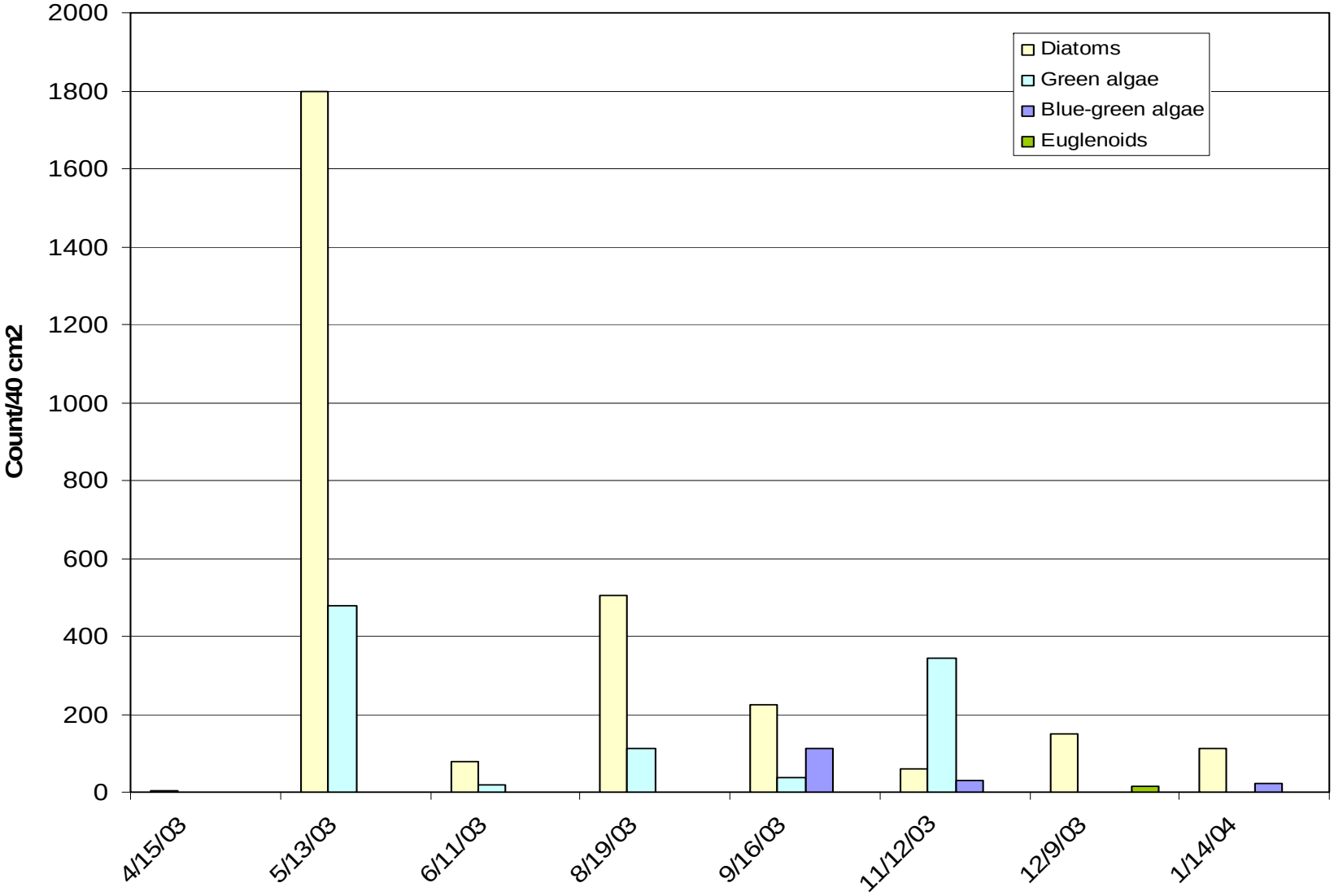
Appendix 7.12. Periphyton densities by sampling date - Feather River upstream from Honcut Creek.



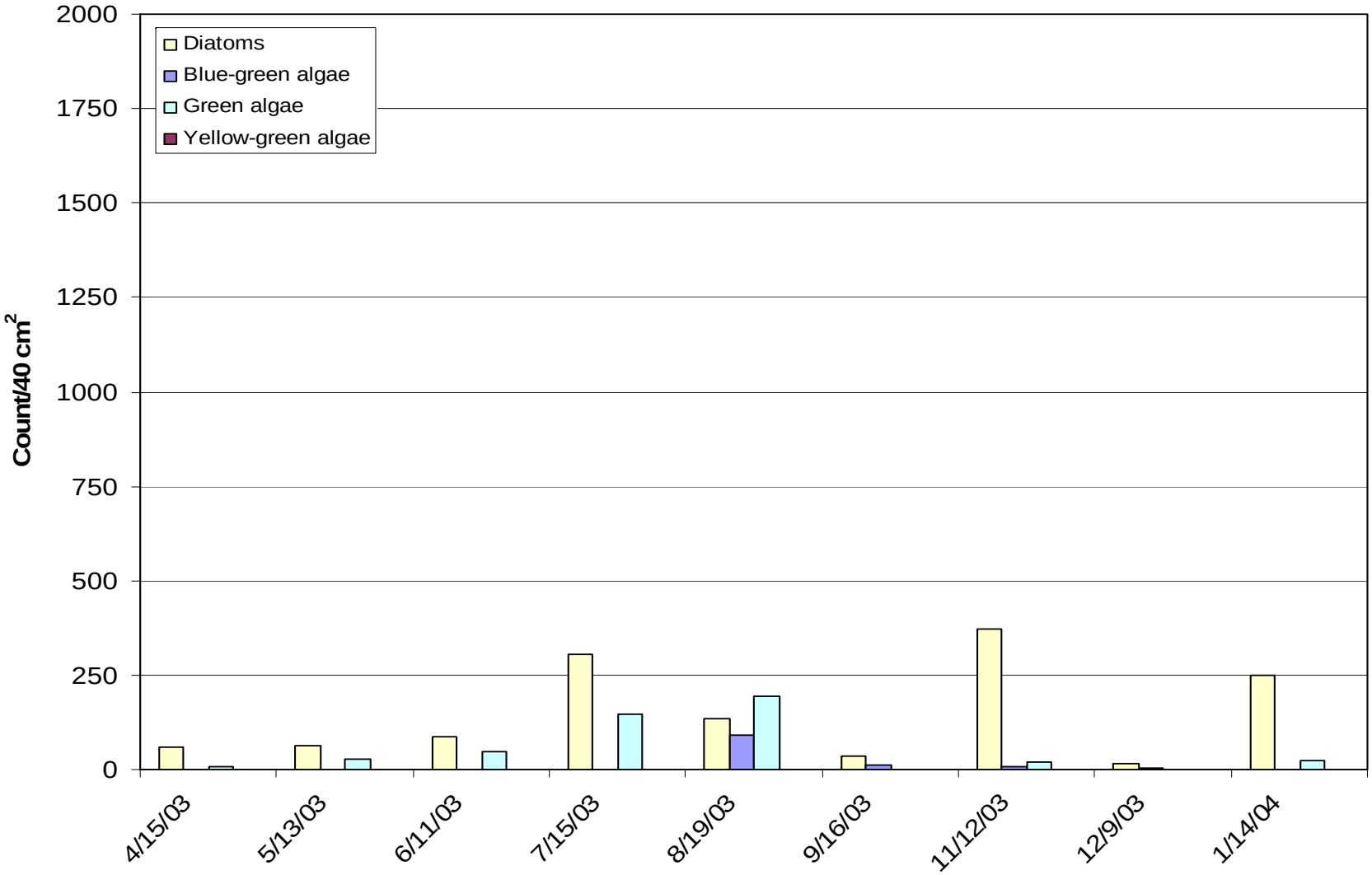
Appendix 7.13. Periphyton densities by sampling date – Feather River Middle Fork near Merrimac (upper Feather River)



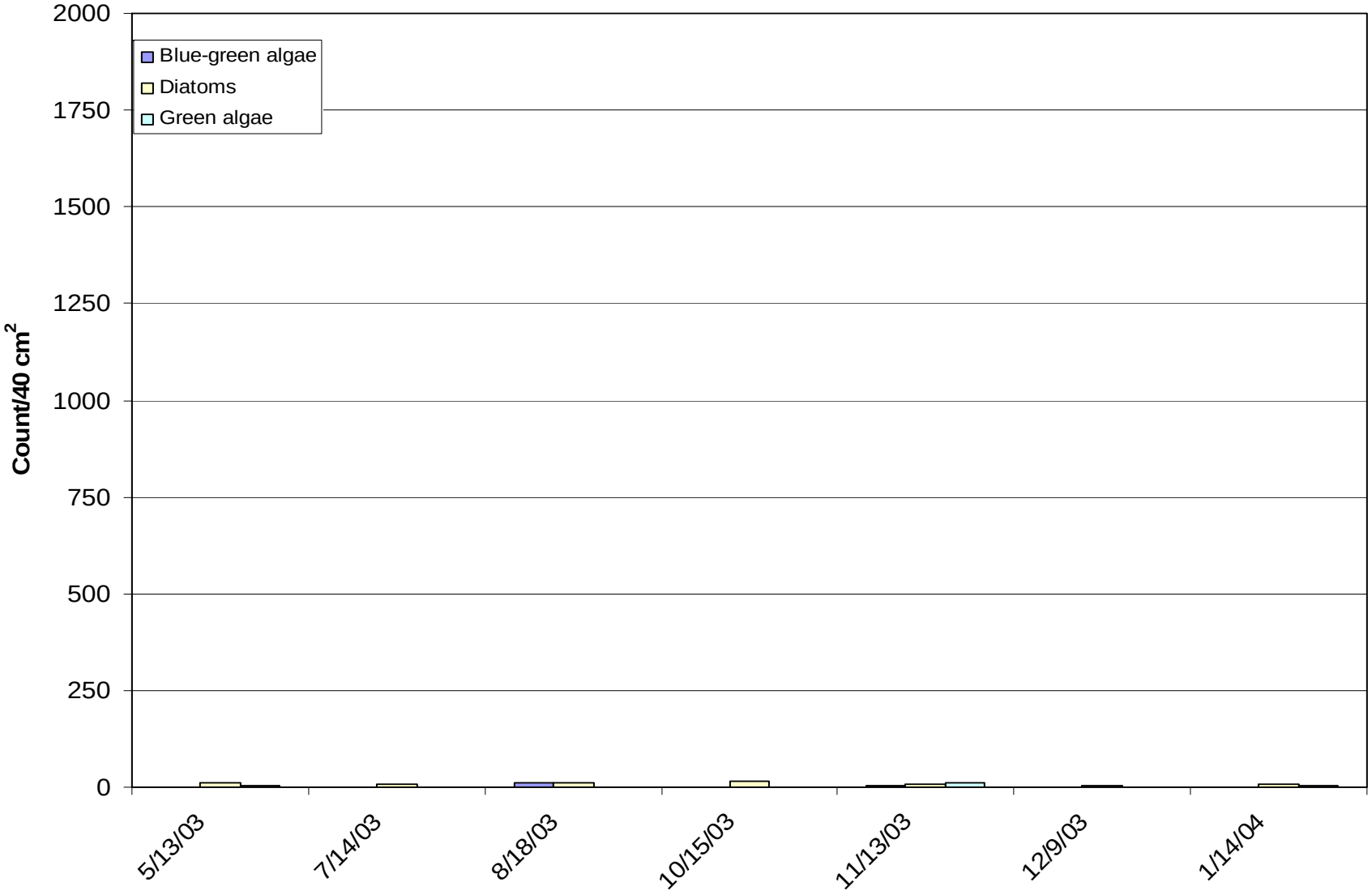
Appendix 7.14. Periphyton densities by date – Feather River North Fork above Poe Powerhouse (upper Feather River)



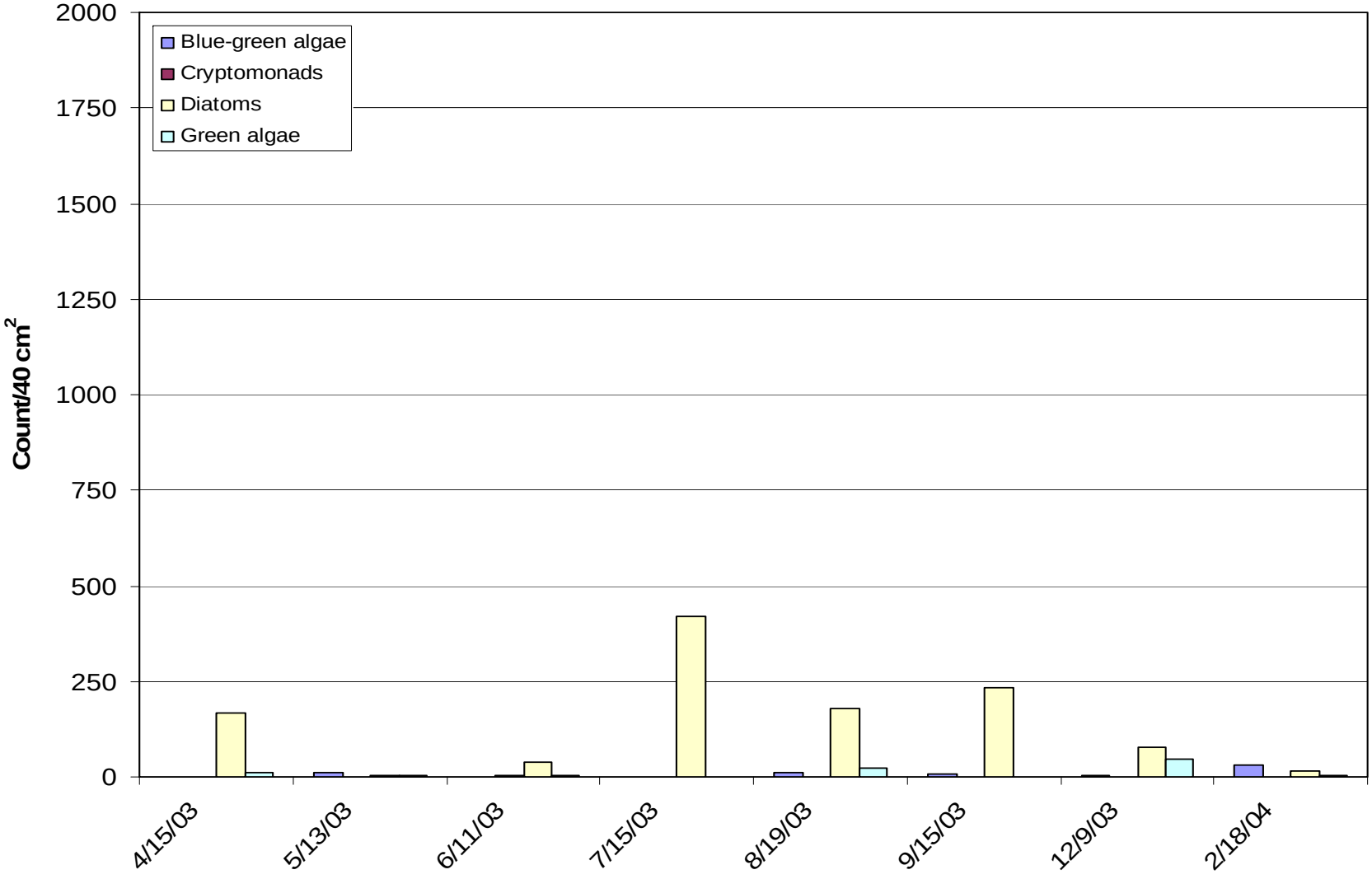
Appendix 7.15. Periphyton densities by date – Concow Creek at Jordan Hill Road (tributary to Lake Oroville West Branch)



Appendix 7.16. Periphyton densities by date – Fall River upstream from Feather Falls (tributary to Lake Oroville Middle Fork)



Appendix 7.17. Periphyton densities by date – Feather River South Fork upstream from Ponderosa Reservoir



Appendix 8a-1. Results of toxicity bioassays for Ceriodaphnia dubia - Survival.

Ambient Samples		Year	2002																2003							
		Date	4/24	5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
Station Number	Treatment/ Sample ID		Survival (%)																Survival (%)							
	Laboratory Control		100	100	90	90	90	100	90	100	100	100	90	100	100	100	90	100	90	100	90/100	100	100	100	90	100
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)			90					90			90			100					100				100		
A5-2600.00	West Branch Near Paradise (WBNPA)											80			100					90				100		
A5-2350.50	West Branch A Oroville Res. (WBAOR)		90			70			100																	
A5-3130.50	NF Feather R DS Poe PH (NFPPH)			70					100			90								90				100		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								100			70			100					100				100		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)			100					100			100			100					100				100		
A5-5050.50	Fall R US Feather Falls (FRUFF)				80				90			100				90				100				90		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)				20				90			100			100					100				90		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)																			90				90		
A5-6925.00	Miners Ranch Canal (MIRAC)											100			100											
A5-6075.00	Sucker Run NR Forbestown (SRNFT)				90				80			100			100					100				100		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																							80		
A5-1800.00	Feather R A Oroville (FRFBD)					60		90		90	100		90	100			100	100	90		80	100			100	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)																								90	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		10			80		90		90	90		90	90			100	100	90		100	100			100	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		90			80		100		100	100		100	90			100	100	100		90	100			90	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		80			80		90	100		90		80	100			100	90	100		80	100			90	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		90			90		80		100	90		100	100			100	100	100		90	100			100	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		90			90		80		100	100		100	90			90	100	90		80	100			50	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		100			100		100		100	100		90	70			100	100	80		80	100			90	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)						100			100													100			90
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)						70			100													100			100
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)						90			90													100			90

Bold = Significantly less than the Control treatment at p= <0.05.

Ambient Samples		Year	2003																						2004				
		Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
Station Number	Treatment/ Sample ID		Survival (%)																						Survival (%)				
	Laboratory Control		100	100	100	100	90	100	90	100/80*	100/100	100	100	100	100	90	100	100	100/100	100	100	100	100/100	100	100	100	100	100	100/90
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)								100					60					100/100								100		
A5-2600.00	West Branch Near Paradise (WBNPA)								100					100					80/100								90		
A5-2350.50	West Branch A Oroville Res. (WBAOR)																												
A5-3130.50	NF Feather R DS Poe PH (NFPPH)								60					50					90/100								100		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								100					80					90/90								100		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)								100					40					100/100								89		
A5-5050.50	Fall R US Feather Falls (FRUFF)							100					90							100							100		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)								100					100					100/100								100		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)								100					100					90/90								90		
A5-6925.00	Miners Ranch Canal (MIRAC)																												
A5-6075.00	Sucker Run NR Forbestown (SRNFT)							100					10						90/90								100		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																												
A5-1800.00	Feather R A Oroville (FRFBD)		90		80		30				0/0				100			100			100		100/100		100	60		100	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)		70		100		30				0/0				20			80			100		50/100		100	100		90	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		10/80		80		0				70/100				100			60			100		20/100		100	100		100	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		100		90		100				0/10				60			90			100		70/100		100	90		90	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		90		100		80				0/0				100			90			90		100/100		100	100		100	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		100		80		50				0/0				100			100			100		70/100		100	80		100	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		70		100		10				0/0				90			100			100		90/100		100	90		70	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		100		100		0				0/30				100			100			100		0/100		100	90		100	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)			100		100				100		90				90	100					100		90	100	100		100	100/100
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)			100/90*		80/50*				100/100*		100				100	100					100		80	100	90		90	100/100
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)			100/100*		70/90*				100/100*		90				100	100					100		100	100	100		80	100/100

*** = pH adjusted samples**

Appendix 8a-2. Results of toxicity bioassays for Ceriodaphnia dubia - Reproduction.

Ambient Samples		Year	2002																2003							
Station Number	Treatment/ Sample ID	Date	4/24	5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
			# Neonates/Female																# Neonates/Female							
	Laboratory Control		29.0	26.5	23.6	23.7	30.7	25.3	28.3	25.4	23.9	20.0	21.9	42.8	33.0	23.6	19.3	28.7	29.7	29.7	20.3/29.7	26.1	22.1	28.4	15.3	24.2
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)			26.5					**22.0**			18.6			46.1					27.9				**20.8**		
A5-2600.00	West Branch Near Paradise (WBNPA)			25.6					32.3			22.1			50.3					**25.2**				**24.6**		
A5-2350.50	West Branch A Oroville Res. (WBAOR)					**6.4**			30.0																	
A5-3130.50	NF Feather R DS Poe PH (NFPPH)			**9.2**					29.4			15.2			53.7					27.4				**12.9**		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)											15.8			51.5					24.6				25.8		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)											19.8			52.5					29.2				26.1		
A5-5050.50	Fall R US Feather Falls (FRUFF)				**12.4**				**16.0**			31.0				**15.7**				24.1				24.6		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)				**0.7**				21.4			28.4			49.8					**25.8**				**3.8**		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)																			**22.2**				**17.7**		
A5-6925.00	Miners Ranch Canal (MIRAC)											**13.7**			53.6											
A5-6075.00	Sucker Run NR Forbestown (SRNFT)				**16.6**				**13.3**			27.1			51.8					30.3				**22.5**		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																							**20.1**		
A5-1800.00	Feather R A Oroville (FRFBD)		24.6			**7.9**		19.3		25.5	26.1		20.1	42.4			22.2	27.6	30.1		**11.0**	**15.7**			38.1	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)																								36.8	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		2.0			**7.3**		24.1		**11.7**	23.6		19.1	24.2			**6.9**	25.9	27.8		**18.1**	**18.2**			36.9	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		27.9			**5.6**		23.7		25.3	24.5		25.6	37.4			17.9	25.1	30.9		14.3	26.8			37.6	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		**20.5**			**7.9**		**18.8**		24.0	24.0		17.2	43.2			20.9	29.0	32.7		**9.5**	**18.3**			33.1	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		27.4			**6.6**		21.8		27.6	24.3		21.3	44.1			14.7	26.9	34.3		15.7	**23.8**			39.6	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		**22.5**			**4.8**		**13.5**		28.1	28.1		21.9	37.5			18.7	**26.9**	31.4		**12.1**	24.9			29.5	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		31.0			**11.2**		**13.7**		**22.3**	31.2		20.7	33.5			**7.0**	27.1	24.9		**11.0**	**21.3**			39.3	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)						34.1			28.6													22.4			**14.1**
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)						27.6			28.7													20.2			23.0
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)						27.5			25.2													**17.6**			**17.8**

Bold = Significantly less than the Control treatment at p= <0.05.

Ambient Samples		Year	2003																								2004				
Station Number	Treatment/ Sample ID	Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
			# neonates/Female																						# Neonates/Female				
	Laboratory Control		20.2	18.3/11.7*	18.5	26.3/24.6*	22.6	34.1	24.3	46.5/37.9*	25.4	21.8	30.8	27.7	25.1	28.3	32.6	24.7	36.8/36.1	32.9	29.0	30.7	26.9/22.0	34.3	20.2	18.7	26.2	15.2	23.8/20.6
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)								26.6					12.0					**22.9/25.5**								24.0		
A5-2600.00	West Branch Near Paradise (WBNPA)								25.1					24.6					**22.0/23.9**								**14.3**		
A5-2350.50	West Branch A Oroville Res. (WBAOR)																												
A5-3130.50	NF Feather R DS Poe PH (NFPPH)								**5.8**					11.4					**15.9/24.3**								**16.0**		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								28.9					**15.6**					**26.5/24.7**								**9.4**		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)								25.1					2.9					**25.1/13.9**								**16.0**		
A5-5050.50	Fall R US Feather Falls (FRUFF)							**26.5**					**16.5**							**27.8**							**21.0**		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)								25.1					**19.1**					**26.9/23.7**								**18.4**		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)								24.5					**19.6**					**27.5/26.0**								**16.0**		
A5-6925.00	Miners Ranch Canal (MIRAC)																												
A5-6075.00	Sucker Run NR Forbestown (SRNFT)							**27.6**					15.2						**24.6/21.3**								**20.0**		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																												
A5-1800.00	Feather R A Oroville (FRFBD)		**8.0**		15.7		3.0				0/0				23.9			20.1			23.9		**12.9/13.0**		19.2	3.9		**9.9**	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)		**4.5**		**6.7**		4.0				0/0				1.5			**7.3**			**22.5**		8.2/**8.3**		**12.2**	17.0		**3.7**	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		0.4/**10.8**		**10.7**		0.6				**6.0/13.6**				**16.7**			9.0			**21.5**		2.0/**9.6**		17.7	**11.7**		**9.2**	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		22.7		13.8		19.0				0/1.3				5.4			**16.3**			25.1		**15.5/11.4**		20.4	**10.3**		**9.9**	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		20.2		**13.1**		**13.3**				0/0				22.1			**18.0**			**18.0**		23.4		21.9	**10.8**		12.8	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		25.7		**11.7**		**3.9**				0/0				23.8			**19.0**			**22.6**		**11.1/12.6**		17.3	**8.9**		**9.3**	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		**12.3**		19.1		6.3				0/0				**15.2**			20.0			29.7		**15.9/15.5**		18.3	**9.6**		**5.9**	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		21.9		18.9		6.1				0/8.4				**8.8**			20.0			27.0		8.9/**17.4**		19.8	**10.2**		**9.4**	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)			22.3		**18.5**				44.6		29.4				26.9	28.7					29.1		**27.2**	17.8	20.8		11.9	24.0/19.5
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)			**7.1**/16.6*		**13.4**/10.1*				47.7/45.1*		24.5				35.8	27.5					28.4		32.1	18.8	**14.8**		**7.2**	21.1/20.8
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)			**10.1**/22.2*		**6.9/13.3***				45.9/39.3*		26.4				33.7	30.0					27.0		36.5	22.7	16.3		13.7	22.8/20.4

*** = pH adjusted samples**

Appendix 8b-1. Results of toxicity bioassays for the fathead minnow – Ambient Survival.

Station Number	Ambient Samples / Treatment/ Sample ID	Year	2002																2003							
		Date	4/24	5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
			Overall Mean (%) Survival																Overall Mean (%) Survival							
	Laboratory Control		97.5	100	83.3	93.3	73.3	96.7	90.0	100	97.0	100	100	100	96.7	100	96.7	96.7	100	86.7	100	97	100	80	100	100
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)			80					63.3			96.7			70					70				50		
A5-2600.00	West Branch Near Paradise (WBNPA)											96.7			**0**					26.7				70		
A5-2350.50	West Branch A Oroville Res. (WBAOR)					**53.3**			93.3																	
A5-3130.50	NF Feather R DS Poe PH (NFPPH)			**26.7**					**26.7**			96.7			**13**					**40**				**6.7**		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								**23.3**			100			**20**					60				63.3		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)			100					40.0			96.7			**40**					43.3				66.7		
A5-5050.50	Fall R US Feather Falls (FRUFF)				56.7				50.0			90				**40**				66.7				73.3		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)				56.7				**53.3**			100			**56.7**					33.3				96.7		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)																			96.7				96.7		
A5-6925.00	Miners Ranch Canal (MIRAC)											100			90											
A5-6075.00	Sucker Run NR Forbestown (SRNFT)				**16.7**				53.3			83.3			**40**					**3.3**				80		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																							46.7		
A5-1800.00	Feather R A Oroville (FRFBD)		**0.0**			73.3		100		87	**33.0**		**80.0**	60			**63.3**	86.7	56.7		96.7	66.7			100	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)																								100	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		**0.0**			53.3		**30.0**		**0**	**30.0**		**76.7**	76.7			83.3	**60**	76.7		70	**10**			73.3	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		**20.0**			96.7		90.0		**47**	**17.0**		66.7	90			76.7	**26.7**	56.7		100	**53.3**			**80**	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		**0.0**			93.3		**70.0**	73.3		**50.0**		100	63.3			**66.6**	**70**	80		93.3	93.3			66.7	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		**52.5**			76.7		80.0		70	**23.0**		96.7	73.3			96.7	**36.7**	**50**		96.7	**43.3**			60	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		**0.0**			66.7		93.3		**40**	**20.0**		**76.7**	86.7			83.3	**36.7**	96.7		66.7	**56.7**			**60**	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		**15.0**			46.7		93.3		87	**43.0**		96.7	70			96.7	**40**	73.3		93.3	**34.4**			**33.3**	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)						73.3			90													90			**70**
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)						70.0			**70**													80			80
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)						**36.7**			**33**													**26.7**			**33.3**

Bold = Significantly less than the Control treatment at p= <0.05.

Station Number	Ambient Samples / Treatment/ Sample ID	Year	2003																						2004				
		Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
			Overall Mean (%) Survival																						Overall Mean (%) Survival				
	Laboratory Control		100	90/86.7	96.7	83.3/93.3	100	90	93	100/100	100	100	100	96.7	96.7	93.3	100	96.7	100	96.7	100	96.7	100/93.3	96.7	100	100	100	100	96.7/96.7
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)								93					93.3					50								93.3		
A5-2600.00	West Branch Near Paradise (WBNPA)								97					93.3					60								86.7		
A5-2350.50	West Branch A Oroville Res. (WBAOR)																												
A5-3130.50	NF Feather R DS Poe PH (NFPPH)								90					93.3					93.3								100		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								100					90					76.7								**83.3**		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)								87					100					53.3								70		
A5-5050.50	Fall R US Feather Falls (FRUFF)							70					90							96.7							100		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)								90					90					86.7								100		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)								100					100					80								96.7		
A5-6925.00	Miners Ranch Canal (MIRAC)																												
A5-6075.00	Sucker Run NR Forbestown (SRNFT)							**43**					76.7						**36.7**								90		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																												
A5-1800.00	Feather R A Oroville (FRFBD)		96.7		**73.3**		**57**				**83.3**				86.7			**43.3**			93.3		**56.7**		96.7	93.3		66.7	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)		80		**46.7**		**30**				**73.3**				**83.3**			60			**43.3**		**41.3**		**33.3**	100		96.7	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		96.7		**50**		**30**				**0**				96.7			**3.3**			53.3		**3.3**		**23.3**	60		86.7	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		76.7		86.7		**23**				**40**				93.3			50			**40**		**50.0**		**43.3**	76.7		70	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		66.7		83.3		**60**				73.3				83.3			100			93.3		**36.7**		93.3	93.3		86.7	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		83.3		**53.3**		**30**				**73.3**				**83.3**			76.7			**56.7**		63.0		**43.3**	86.7		96.7	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		90		66.7		**13**				**56.7**				**76.7**			56.7			76.7		**53.0**		**63.3**	86.7		66.7	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		**33.3**		50		**27**				**50**				83.3			80			63.3		60.0		**63.3**	**26.7**		**33.7**	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)			93.3		86.7				100		100				100	100					**56.7**		93.3	**60**	96.7		96.7	100
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)			80/86.7*		86.7/90*				70/77*		96.7				96.7	76.7					**50.0**		100	86.7	50		93.3	66.7
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)			83.3/93.3*		83.3/60*				67/13*		66.7				100	40					**33**		**40**	50	**30**		70	100

*** = pH adjusted samples**

Appendix 8b-2. Results of toxicity bioassays for the fathead minnow – Filtered Survival.

Filtered Samples		Year	2002																2003							
		Date		5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
Station Number	Treatment/ Sample ID		Overall Mean (%) Survival																Overall Mean (%) Survival							
	Laboratory Control			100	90.0	100	76.7	96.7	96.7	97	100	100	100	100	96.7	100	93.3	90.0	96.7	100		100/96.7	83	93.3	90	100
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)			100					90			96.7			**53.3**					63.3				93.3		
A5-2600.00	West Branch Near Paradise (WBNPA)											96.7			**13.3**					26.7				53.3		
A5-2350.50	West Branch A Oroville Res. (WBAOR)					96.7			90																	
A5-3130.50	NF Feather R DS Poe PH (NFPPH)			100					70			96.7			**10**					93.3				83.3		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								86.6			100			**26.7**					96.7				70		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)			96.7					70			96.7			**26.7**					93.3				96.7		
A5-5050.50	Fall R US Feather Falls (FRUFF)				70				**60**			100				100				96.7				73.3		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)				86.7				90			96.7			**20**					93.3				93.3		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)																			100				80		
A5-6925.00	Miners Ranch Canal (MIRAC)											100			63.3											
A5-6075.00	Sucker Run NR Forbestown (SRNFT)				93.3				86.7			100			100					96.7				73.3		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																							83.3		
A5-1800.00	Feather R A Oroville (FRFBD)					96.7		83.3		90	97		93.3	83.3			90	**25.6**	83.3			100			100	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)																								100	
A5-1780.50	Feather R DS from Hatchery (FRDFH)					93.3		100		**80**	97		96.7	**80**			73.3	83.3	93.3			93.3			93.3	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)					86.7		63.3		90	70		93.3	93.3			70	96.7	90			**80**/96.7			100	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)					93.3		**36.7**	93.3		100		96.7	93.3			93.3	80	96.7			100			93.3	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)					86.7		**60**		90	100		100	86.7			100	93.3	66.7			100			96.7	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)					96.7		**73.3**		87	97		86.7	100			**46.7**	90	100			73.3			100	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)					96.7		**40**		100	97		96.7	96.7			90	93.3	96.7			96.7			100	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)						70.0			97													80			100
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)						76.7			77													80			90
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)						63.3			100													86.7			93.3

Sample water filtered w/ sterile 0.45 micron filter to remove pathogens

Bold = Significantly less than the Control treatment at p= <0.05.

Filtered Samples		Year	2003																						2004				
		Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
Station Number	Treatment/ Sample ID		Overall Mean (%) Survival																						Overall Mean (%) Survival				
	Laboratory Control		100	80/86.7*	96.7	93.3/93.3*	100	100	100	97	100	100	93.3	96.7	96.7	100	96.7	93.3	100	96.7	93.3	100	96.7/100	100	100	100	100	100	100/96.7
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)								100					96.7					93.3								100		
A5-2600.00	West Branch Near Paradise (WBNPA)								100					100					96.7								96.7		
A5-2350.50	West Branch A Oroville Res. (WBAOR)																												
A5-3130.50	NF Feather R DS Poe PH (NFPPH)								90					93.3					96.7								96.7		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								100					86.7					100								100		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)								90					96.7					100								**83.3**		
A5-5050.50	Fall R US Feather Falls (FRUFF)							93					96.7							86.7							100		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)								97					100					96.7								96.7		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)								80					100					**90**								96.7		
A5-6925.00	Miners Ranch Canal (MIRAC)																												
A5-6075.00	Sucker Run NR Forbestown (SRNFT)							100					100						86.7								100		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																												
A5-1800.00	Feather R A Oroville (FRFBD)		86.7		**76.7**		**90**				96.7				96.7			90			100		**36.7**/**83.3**		93.3	100		96.7	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)		86.7		**60**		100				100				100			76.7			100		73.3		100	83.3		100	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		86.7		83.3		100				100				76.7			**70**			100		**33.0**/90.0		90	96.7		100	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		93.3		96.7		**83**				96.7				96.7			90			100		100		100	95		100	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		51.0		**66.7**		100				100				96.7			**66.7**			100		83.3/**70.0**		93.3	90		100	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		96.7		93.3		100				100				83.3			76.7			100		83.0		100	90		100	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		83.3		96.7		100				93.3				100			100			96.7		96.7		100	100		100	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		53.3		93.3		100				90				96.7			83.3			100		80.0		100	100		100	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)			90		86.7				100		96.7				100	96.7					80.0		100	93.3	93.3		96.7	100
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)			86.7/93.3*		96.7/93.3*				97/83*		96.7				93.3	100					100		96.7	80	100		96.7	100
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)			90/90*		86.7/**80***				97/83*		93.3				100	90					96.7		96.7	100	100		100	100

Sample water filtered w/ sterile 0.45 micron filter to remove pathogens

* = pH adjusted samples

Appendix 8b-3. Results of toxicity bioassays for the fathead minnow – Ambient Growth.

Ambient Samples		Year	2002																2003							
		Date	4/24	5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
Station Number	Treatment/ Sample ID		Overall Mean Biomass (mg)																Overall Mean Biomass (mg)							
	Laboratory Control		0.31	0.49	0.25	0.30	0.23	0.44	0.22	0.417	0.33	0.39	0.32	0.49	0.34	0.46	0.32	0.41	0.44	0.31	0.40	0.29	0.20	0.21	0.39	0.35
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)			0.38					0.16			**0.34**			0.29					0.27				0.16		
A5-2600.00	West Branch Near Paradise (WBNPA)											0.45			0.00					0.11				0.18		
A5-2350.50	West Branch A Oroville Res. (WBAOR)					**0.27**			0.20																	
A5-3130.50	NF Feather R DS Poe PH (NFPPH)			**0.16**					0.09			0.44			0.06					0.15				0.03		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								**0.05**			0.46			0.09					0.23				0.20		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)			**0.38**					0.09			0.39			0.17					0.18				0.17		
A5-5050.50	Fall R US Feather Falls (FRUFF)				0.18				0.16			0.40				0.21				0.23				0.25		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)				0.17				**0.15**			0.37			0.26					0.15				0.27		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)																			0.35				0.28		
A5-6925.00	Miners Ranch Canal (MIRAC)											0.36			0.36											
A5-6075.00	Sucker Run NR Forbestown (SRNFT)				**0.09**				0.14			0.40			0.17					0.02				0.26		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																							**0.09**		
A5-1800.00	Feather R A Oroville (FRFBD)		**0**			**0.22**		0.54		0.393	**0.10**		0.35	0.29			0.30	0.45	**0.29**		0.44	0.29			**0.29**	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)																								0.35	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		**0**			0.23		**0.17**		**0**	**0.16**		0.36	0.38			0.40	0.34	0.38		0.33	0.05			**0.23**	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		0.06			0.36		0.45		**0.242**	**0.09**		0.31	0.39			0.35	0.14	0.29		0.40	0.19			0.32	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		**0**			0.32		0.39	0.22		**0.17**		0.46	**0.26**			0.28	0.30	0.43		0.39	0.34			0.23	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		0.25			0.30		0.40		0.350	**0.10**		0.33	0.36			0.44	0.17	0.24		0.38	0.21			0.21	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		**0**			0.24		0.41		**0.149**	**0.10**		0.37	0.44			0.41	0.20	0.41		0.32	0.23			0.19	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		0.07			0.20		0.46		0.437	**0.19**		0.32	**0.34**			0.37	0.24	0.36		0.38	0.18			0.12	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)						0.24			**0.357**													0.22			0.33
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)						0.19			**0.246**													0.17			0.30
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)						0.13			**0.140**													0.08			0.15

Bold = Significantly less than the Control treatment at p= <0.05.

Ambient Samples		Year	2003																						2004				
		Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
Station Number	Treatment/ Sample ID		Overall Mean Biomass (mg)																						Overall Mean Biomass (mg)				
	Laboratory Control		0.32	0.37/0.42*	0.51	0.61/0.70*	0.58	0.51	0.53	0.38/0.45*	0.61	0.43	1.01	80	0.80	0.72	0.38	0.24	0.60	0.32	0.33	0.48	0.40	0.38	0.26	0.38	0.40	0.34	0.35/0.36
A5-2260.50	Concow C A Jordan Hill Rd. (CCJHR)								0.55					**0.59**					0.30								0.35		
A5-2600.00	West Branch Near Paradise (WBNPA)								0.60					**0.62**					**0.30**								0.34		
A5-2350.50	West Branch A Oroville Res. (WBAOR)																												
A5-3130.50	NF Feather R DS Poe PH (NFPPH)								0.49					**0.63**					**0.43**								0.37		
A5-3931.50	Poe Powerhouse Discharge (PPHDI)								0.53					**0.54**					**0.33**								0.36		
A5-5100.00	Feather R MF NR Merrimack (MFMBR)								0.55					**0.62**					**0.29**								0.26		
A5-5050.50	Fall R US Feather Falls (FRUFF)							0.43					0.84							0.31							0.39		
A5-6110.50	SF Feather R AB Ponderosa Res. (SFUPR)								0.52					**0.46**					0.76								0.37		
A5-6050.50	SF Feather R DS Ponderosa Res. (SFDPR)								0.57					**0.64**					**0.42**								0.36		
A5-6925.00	Miners Ranch Canal (MIRAC)																												
A5-6075.00	Sucker Run NR Forbestown (SRNFT)							0.30					0.77						0.26								0.40		
A5R93191297	Thermolito Diversion Pool DS PP (DIVDPP)																												
A5-1800.00	Feather R A Oroville (FRFBD)		0.38		0.32		0.32				0.46				**0.52**			0.17			0.30		0.29		0.26	**0.34**		0.23	
A5R93101333	Feather R Hatchery Settling Pond (FRHSP)		0.36		0.21		0.18				0.40				0.51			0.16			0.23		0.23		0.12	0.40		0.36	
A5-1780.50	Feather R DS from Hatchery (FRDFH)		0.43		0.30		0.16				-				**0.59**			0.01			0.21		0.01		0.09	0.26		0.30	
A5-1695.50	Feather R US from Afterbay Outlet (FRUAO)		0.34		**0.34**		0.13				0.28				0.70			0.15			0.21		0.26		0.22	0.33		0.23	
A5C92751383	Afterbay Outlet Canal to Feather R (AOCFR)		0.25		**0.34**		**0.30**				0.37				**0.49**			0.25			0.40		**0.14**		0.31	0.39		0.34	
A5-1687.70	Feather R DS from Afterbay Outlet (FRDAO)		0.34		0.26		0.23				0.41				0.52			0.26			0.32		0.24		0.15	0.38		0.33	
A5-1687.20	Feather R DS from SCOR Outfall (FRDSO)		0.36		0.30		0.06				0.31				0.52			0.16			0.34		0.24		0.26	0.37		0.27	
A5-1645.50	Feather R DS from Project Boundary (FRDPB)		0.12		**0.23**		0.19				0.31				**0.54**			0.25			0.30		0.25		0.24	0.23		0.20	
A5L92951347	Oroville Wildlife Area Fishing Pond (OWAFP)			0.46		0.52				0.49		0.45				0.83	0.41					0.30		0.38	0.27	0.45		0.40	0.34
A5L92541377	Oroville Wildlife Area Mile Long Pond (OWAMP)			0.37/0.40*		**0.46/0.56***				0.35/0.37*		0.46				0.66	0.34					0.27		0.38	0.31	0.23		0.32	0.37
A5L92551372	Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)			0.35/0.41*		0.50/0.44*				0.21/0.06*		0.30				0.72	0.18					0.14		0.16	0.17	0.11		0.31	0.24

*** = pH adjusted samples**

Appendix 8b-4. Results of toxicity bioassays for the fathead minnow – Filtered Growth.

Filtered Samples		Year	2002																2003							
		Date		5/15	5/16	5/21	5/30	6/25	7/15	7/24	8/21	9/24	9/25	10/22	11/12	11/13	11/14	12/11	1/14	2/18	2/20	3/19	3/26	4/15	4/17	4/24
Station Number	**Treatment/ Sample ID**		**Overall Mean Biomass (mg)**																**Overall Mean Biomass (mg)**							
	Laboratory Control			0.53	0.25	0.33	0.25	0.42	0.27	0.437	0.31	0.42	0.33	0.5	0.37	0.42	0.36	0.44	0.40	0.32		0.30/0.24	0.19	0.20	0.39	0.39
A5-2260.50	**Concow C A Jordan Hill Rd. (CCJHR)**			0.44					**0.18**			0.34			0.22					0.20				0.19		
A5-2600.00	**West Branch Near Paradise (WBNPA)**											0.44			0.05					**0.25**				0.16		
A5-2350.50	**West Branch A Oroville Res. (WBAOR)**					0.32			0.25																	
A5-3130.50	**NF Feather R DS Poe PH (NFPPH)**			0.46					**0.17**			0.37			0.04					0.30				0.25		
A5-3931.50	**Poe Powerhouse Discharge (PPHDI)**								**0.19**			0.47			0.10					**0.28**				0.18		
A5-5100.00	**Feather R MF NR Merrimack (MFMBR)**			**0.37**					**0.17**			0.46			0.12					0.27				0.23		
A5-5050.50	**Fall R US Feather Falls (FRUFF)**				**0.19**				**0.15**			0.37				0.42				0.28				0.16		
A5-6110.50	**SF Feather R AB Ponderosa Res. (SFUPR)**				0.23				**0.19**			0.43			0.08					0.35				0.23		
A5-6050.50	**SF Feather R DS Ponderosa Res. (SFDPR)**																			0.35				0.24		
A5-6925.00	**Miners Ranch Canal (MIRAC)**											0.36			**0.21**											
A5-6075.00	**Sucker Run NR Forbestown (SRNFT)**				0.25				0.21			0.43			0.42					0.34				0.20		
A5R93191297	**Thermolito Diversion Pool DS PP (DIVDPP)**																							0.21		
A5-1800.00	**Feather R A Oroville (FRFBD)**					0.33		0.27		0.374	0.36		0.38	**0.37**			0.37	0.26	0.42			0.33			0.47	
A5R93101333	**Feather R Hatchery Settling Pond (FRHSP)**																								0.33	
A5-1780.50	**Feather R DS from Hatchery (FRDFH)**					0.35		0.37		**0.263**	0.32		0.41	0.38			**0.23**	**0.31**	0.42			0.34			0.42	
A5-1695.50	**Feather R US from Afterbay Outlet (FRUAO)**					0.32		0.21		**0.367**	0.21		0.42	0.46			0.32	**0.36**	0.40			0.27/0.22			0.45	
A5C92751383	**Afterbay Outlet Canal to Feather R (AOCFR)**					0.29		**0.12**	**0.22**		0.34		0.36	**0.40**			0.34	**0.37**	0.55			0.35			0.43	
A5-1687.70	**Feather R DS from Afterbay Outlet (FRDAO)**					0.32		**0.21**		**0.305**	0.27		0.34	**0.40**			0.42	0.41	0.28			0.32			0.45	
A5-1687.20	**Feather R DS from SCOR Outfall (FRDSO)**					0.29		**0.18**		**0.291**	**0.26**		0.38	0.46			0.22	0.48	0.45			0.27			0.45	
A5-1645.50	**Feather R DS from Project Boundary (FRDPB)**					0.35		**0.19**		0.365	0.30		0.33	**0.43**			0.36	0.43	0.46			0.35			0.46	
A5L92951347	**Oroville Wildlife Area Fishing Pond (OWAFP)**						0.24			0.458													0.19			0.32
A5L92541377	**Oroville Wildlife Area Mile Long Pond (OWAMP)**						0.23			**0.285**													0.20			**0.24**
A5L92551372	**Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)**						0.22			0.400													0.20			0.32

Sample water filtered w/ sterile 0.45 micron filter to remove pathogens **Bold = Significantly less than the Control treatment at p= <0.05.**

Filtered Samples		Year	2003																						2004				
		Date	5/15	6/3	6/17	6/24	7/8	7/14	7/15	7/24	8/11	8/21	9/15	9/16	9/17	9/22	10/20	10/27	11/12	11/13	11/17	11/18	12/15	12/16	1/13	2/10	2/18	3/10	4/7
Station Number	**Treatment/ Sample ID**		**Overall Mean Biomass (mg)**																						**Overall Mean Biomass (mg)**				
	Laboratory Control		0.3	0.31/0.42*	0.36	0.49	0.62	0.60	0.50	0.37	0.65	0.38	0.85	0.82	0.82	0.66	0.35	0.33	0.40	0.32	0.31	0.32	0.46	0.41	0.26	0.41	0.37	0.35	0.33/0.33
A5-2260.50	**Concow C A Jordan Hill Rd. (CCJHR)**								0.50					**0.65**					0.44								**0.30**		
A5-2600.00	**West Branch Near Paradise (WBNPA)**								0.55					**0.55**					0.42								0.35		
A5-2350.50	**West Branch A Oroville Res. (WBAOR)**																												
A5-3130.50	**NF Feather R DS Poe PH (NFPPH)**								0.44					**0.67**					0.47								**0.29**		
A5-3931.50	**Poe Powerhouse Discharge (PPHDI)**								0.53					**0.46**					0.48								0.31		
A5-5100.00	**Feather R MF NR Merrimack (MFMBR)**								0.49					**0.60**					0.44								0.27		
A5-5050.50	**Fall R US Feather Falls (FRUFF)**							0.60					0.93							0.3							0.34		
A5-6110.50	**SF Feather R AB Ponderosa Res. (SFUPR)**								0.52					0.53					0.43								0.34		
A5-6050.50	**SF Feather R DS Ponderosa Res. (SFDPR)**								**0.39**					**0.72**					0.43								0.34		
A5-6925.00	**Miners Ranch Canal (MIRAC)**																												
A5-6075.00	**Sucker Run NR Forbestown (SRNFT)**							0.60					0.95						0.45								**0.29**		
A5R93191297	**Thermolito Diversion Pool DS PP (DIVDPP)**																												
A5-1800.00	**Feather R A Oroville (FRFBD)**		0.27		0.32		0.53				**0.38**				**0.63**			**0.24**			0.29		0.15		**0.24**	0.38		0.33	
A5R93101333	**Feather R Hatchery Settling Pond (FRHSP)**		0.29		0.2		0.60				0.50				**0.61**			**0.21**			0.30		**0.29**		0.26	0.36		0.36	
A5-1780.50	**Feather R DS from Hatchery (FRDFH)**		0.34		0.31		**0.54**				**0.52**				**0.49**			0.19			0.31		0.14		0.25	0.41		0.39	
A5-1695.50	**Feather R US from Afterbay Outlet (FRUAO)**		0.34		0.36		0.48				**0.47**				**0.64**			0.25			0.28		**0.34**		0.26	0.39		0.40	
A5C92751383	**Afterbay Outlet Canal to Feather R (AOCFR)**		0.22		0.22		0.59				**0.47**				**0.72**			0.20			0.30		**0.30**		0.24	0.38		0.38	
A5-1687.70	**Feather R DS from Afterbay Outlet (FRDAO)**		0.35		0.36		**0.43**				**0.41**				**0.50**			**0.22**			0.35		**0.29**		0.27	0.36		0.35	
A5-1687.20	**Feather R DS from SCOR Outfall (FRDSO)**		0.27		0.35		**0.44**				**0.52**				**0.63**			0.28			0.31		**0.31**		0.26	0.40		0.39	
A5-1645.50	**Feather R DS from Project Boundary (FRDPB)**		0.19		0.39		0.61				**0.43**				**0.66**			0.27			0.34		**0.25**		0.29	**0.37**		0.40	
A5L92951347	**Oroville Wildlife Area Fishing Pond (OWAFP)**			0.33		0.51				0.46		0.40				0.72	0.39					0.29		0.42	0.30	0.40		0.43	0.37
A5L92541377	**Oroville Wildlife Area Mile Long Pond (OWAMP)**			0.42/0.41*		0.50/**0.48***				0.39/0.37*		0.51				0.71	0.36					0.33		0.40	0.20	0.40		0.34	0.32
A5L92551372	**Oroville Wildlife Area Lower Pacific Heights Pond (OWALP)**			0.37/0.42*		0.40/0.50*				0.43/0.41*		0.44				0.71	0.35					0.31		0.38	0.28	0.44		0.41	0.36

Sample water filtered w/ sterile 0.45 micron filter to remove pathogens

Appendix 9. Total suspended and settleable solids.

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
SF FEATHER AB POND. RES	03/28/02		<1	a
SF FEATHER AB POND. RES	04/23/02		<1	a
SF FEATHER AB POND. RES	05/16/02		2	a
SF FEATHER AB POND. RES	06/17/02		3	a
SF FEATHER AB POND. RES	07/15/02		<1	a
SF FEATHER AB POND. RES	08/20/02		<1	a
SF FEATHER AB POND. RES	09/24/02		<1	a
SF FEATHER AB POND. RES	10/17/02		<1	4
SF FEATHER AB POND. RES	11/12/02		<1	-
SF FEATHER AB POND. RES	12/10/02		6	trace[1]
SF FEATHER AB POND. RES (storm)	12/16/02		37	0.3
SF FEATHER AB POND. RES	01/09/03		<1	a
SF FEATHER AB POND. RES (storm)	02/03/04		2	trace
SF FEATHER AB POND. RES	02/18/03		1	a
SF FEATHER AB POND. RES	03/12/03		2	a
SF FEATHER AB POND. RES	04/15/03		<1	a
SF FEATHER AB POND. RES	05/13/03		2	a
SF FEATHER AB POND. RES	06/11/03		2	a
SF FEATHER AB POND. RES	07/15/03			a
SF FEATHER AB POND. RES	08/19/03		1	a
SF FEATHER AB POND. RES	09/16/03		<1	a
SF FEATHER AB POND. RES	10/16/03		<1	-
SF FEATHER AB POND. RES	11/12/03		<1	trace
SF FEATHER AB POND. RES	12/09/03		7	a
SF FEATHER AB POND. RES	01/15/04		12	a
SF FEATHER AB POND. RES	02/18/04		18	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
SF FEATHER AB POND. RES	03/15/04		<1	trace
SF FEATHER AB POND. RES	04/13/04		<1	trace
SF FEATHER DS PONDEROSA RES	01/09/03		2	a
SF FEATHER DS PONDEROSA RES	02/18/03		1	a
SF FEATHER DS PONDEROSA RES	03/12/03		<1	a
SF FEATHER DS PONDEROSA RES	04/15/03		2	a
SF FEATHER DS PONDEROSA RES	05/13/03		<1	a
SF FEATHER DS PONDEROSA RES	06/11/03		2	a
SF FEATHER DS PONDEROSA RES	07/15/03		3	a
SF FEATHER DS PONDEROSA RES	08/19/03		2	a
SF FEATHER DS PONDEROSA RES	09/16/03		<1	a
SF FEATHER DS PONDEROSA RES	10/16/03		<1	-
SF FEATHER DS PONDEROSA RES	11/12/03		<1	a
SF FEATHER DS PONDEROSA RES	12/09/03		2	a
SF FEATHER DS PONDEROSA RES	01/14/03		<1	a
SF FEATHER DS PONDEROSA RES (storm)	02/03/04		1	a
SF FEATHER DS PONDEROSA RES	02/18/04		17	a
SF FEATHER DS PONDEROSA RES	03/15/04		1	a
SF FEATHER DS PONDEROSA RES	04/13/04		4	trace
MINERS RANCH CANAL	08/20/02		<1	a
MINERS RANCH CANAL	09/24/02		<1	a
MINERS RANCH CANAL	10/17/02		2	a
MINERS RANCH CANAL	11/12/02		1	-
MINERS RANCH CANAL	12/09/02		<1	a
MINERS RANCH CANAL	12/16/02		6	trace
MINERS RANCH CANAL	01/09/03		1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
SUCKER RUN NR FORBESTOWN	03/28/02		2	a
SUCKER RUN NR FORBESTOWN	04/23/02		<1	a
SUCKER RUN NR FORBESTOWN	05/16/02		2	trace
SUCKER RUN NR FORBESTOWN	06/17/02		2	a
SUCKER RUN NR FORBESTOWN	07/15/02		<1	a
SUCKER RUN NR FORBESTOWN	08/20/02		<1	a
SUCKER RUN NR FORBESTOWN	09/24/02		<1	trace
SUCKER RUN NR FORBESTOWN	10/17/02		1	a
SUCKER RUN NR FORBESTOWN	11/12/02		2	-
SUCKER RUN NR FORBESTOWN	12/09/02		2	a
SUCKER RUN NR FORBESTOWN	12/16/02		31	a
SUCKER RUN NR FORBESTOWN	01/09/03		<1	a
SUCKER RUN NR FORBESTOWN	02/18/03		4	a
SUCKER RUN NR FORBESTOWN	03/12/03		1	a
SUCKER RUN NR FORBESTOWN	04/15/03		4	trace
SUCKER RUN NR FORBESTOWN	05/13/03		2	trace
SUCKER RUN NR FORBESTOWN	06/11/03		2	a
SUCKER RUN NR FORBESTOWN	07/14/03		5	trace
SUCKER RUN NR FORBESTOWN	08/18/03		2	a
SUCKER RUN NR FORBESTOWN	09/15/03		2	a
SUCKER RUN NR FORBESTOWN	10/15/03		2	-
SUCKER RUN NR FORBESTOWN	11/12/03		<1	a
SUCKER RUN NR FORBESTOWN	12/09/03		<1	a
SUCKER RUN NR FORBESTOWN	01/14/04		<1	a
SUCKER RUN NR FORBESTOWN (storm)	02/03/04		3	a
SUCKER RUN NR FORBESTOWN	02/18/04		57	0.7
SUCKER RUN NR FORBESTOWN	03/15/04		2	trace
SUCKER RUN NR FORBESTOWN	04/13/04		1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
FEATHER R MF NR MERRIMAC	03/28/02		2	a
FEATHER R MF NR MERRIMAC	04/23/02		2	a
FEATHER R MF NR MERRIMAC	05/15/02		3	a
FEATHER R MF NR MERRIMAC	06/17/02		4	a
FEATHER R MF NR MERRIMAC	07/15/02		<1	a
FEATHER R MF NR MERRIMAC	08/20/02		<1	a
FEATHER R MF NR MERRIMAC	09/24/02		<1	a
FEATHER R MF NR MERRIMAC	10/17/02		2	a
FEATHER R MF NR MERRIMAC	11/12/02		2	-
FEATHER R MF NR MERRIMAC	12/10/02		8	a
FEATHER R MF NR MERRIMAC	01/09/03		1	a
FEATHER R MF NR MERRIMAC (storm)	02/03/04		1	a
FEATHER R MF NR MERRIMAC	02/18/03		<1	a
FEATHER R MF NR MERRIMAC	03/12/03		1	0.1
FEATHER R MF NR MERRIMAC	04/15/03		4	a
FEATHER R MF NR MERRIMAC	05/13/03		2	a
FEATHER R MF NR MERRIMAC	06/11/03		4	a
FEATHER R MF NR MERRIMAC	07/15/03		2	a
FEATHER R MF NR MERRIMAC	08/19/03		<1	a
FEATHER R MF NR MERRIMAC	09/16/03		1	a
FEATHER R MF NR MERRIMAC	10/16/03		<1	-
FEATHER R MF NR MERRIMAC	11/12/03		<1	a
FEATHER R MF NR MERRIMAC	12/09/03		2	a
FEATHER R MF NR MERRIMAC	01/14/04		3	a
FEATHER R MF NR MERRIMAC	02/18/04		69	0.5
FEATHER R MF NR MERRIMAC	03/15/04		3	a
FEATHER R MF NR MERRIMAC	04/13/04		3	a
FALL R US FEATHER FALLS	03/28/02		1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
FALL R US FEATHER FALLS	04/22/02		<1	a
FALL R US FEATHER FALLS	05/16/02		<1	a
FALL R US FEATHER FALLS	06/18/02		3	a
FALL R US FEATHER FALLS	07/15/02		<1	a
FALL R US FEATHER FALLS	08/20/02		<1	a
FALL R US FEATHER FALLS	09/24/02		<1	trace
FALL R US FEATHER FALLS	10/17/02		<1	a
FALL R US FEATHER FALLS	11/13/02		<1	-
FALL R US FEATHER FALLS	12/09/02		3	a
FALL R US FEATHER FALLS	12/16/02		28	0.1
FALL R US FEATHER FALLS	01/08/03		<1	a
FALL R US FEATHER FALLS	02/18/03		2	a
FALL R US FEATHER FALLS	03/12/03		<1	a
FALL R US FEATHER FALLS	04/15/03		1	a
FALL R US FEATHER FALLS	05/13/03		<1	a
FALL R US FEATHER FALLS	06/11/03		1	a
FALL R US FEATHER FALLS	07/14/03		2	a
FALL R US FEATHER FALLS	08/18/03		2	a
FALL R US FEATHER FALLS	09/15/03		1	a
FALL R US FEATHER FALLS	10/15/03		2	-
FALL R US FEATHER FALLS	11/13/03		<1	a
FALL R US FEATHER FALLS	12/09/03		<1	a
FALL R US FEATHER FALLS	01/14/04		4	a
FALL R US FEATHER FALLS(storm)	02/03/04		1	a
FALL R US FEATHER FALLS	02/18/04		74	0.4
FALL R US FEATHER FALLS	03/15/04		<1	a
FALL R US FEATHER FALLS	04/13/04		<1	a
NF FEATHER R US POE PH	07/15/02		1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
NF FEATHER R US POE PH	08/20/02		1	a
NF FEATHER R US POE PH	09/24/02		<1	a
NF FEATHER R US POE PH	10/18/02		2	a
NF FEATHER R US POE PH	11/12/02		2	-
NF FEATHER R US POE PH	12/10/02		3	a
NF FEATHER R US POE PH	12/16/02		45	0.2
NF FEATHER R US POE PH	01/08/03		<1	a
NF FEATHER R US POE PH	02/18/03		<1	a
NF FEATHER R US POE PH	03/12/03		<1	a
NF FEATHER R US POE PH	04/15/03		<1	a
NF FEATHER R US POE PH	05/13/03		<1	trace
NF FEATHER R US POE PH	06/11/03		4	a
NF FEATHER R US POE PH	07/15/03		2	trace
NF FEATHER R US POE PH	08/19/03		2	a
NF FEATHER R US POE PH	09/16/03		<1	a
NF FEATHER R US POE PH	10/16/03		<1	-
NF FEATHER R US POE PH	11/12/03		10	trace
NF FEATHER R US POE PH	12/09/03		1	trace
NF FEATHER R US POE PH	01/14/04		<1	a
NF FEATHER R US POE PH (storm)	02/03/04		<1	a
NF FEATHER R US POE PH	02/18/04		393	1.0
NF FEATHER R US POE PH	03/15/04		6	a
NF FEATHER R US POE PH	04/13/04		2	trace
NF FEATHER R DS POE PH	03/28/02		70	a
NF FEATHER R DS POE PH	05/15/02		8	trace
NF FEATHER R DS POE PH	06/17/02		2	trace
CONCOW C A JORDAN HILL RD.	03/28/02		<1	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
CONCOW C A JORDAN HILL RD.	04/23/02		2	trace
CONCOW C A JORDAN HILL RD.	05/15/02		<1	trace
CONCOW C A JORDAN HILL RD.	06/17/02		2	a
CONCOW C A JORDAN HILL RD.	07/15/02		<1	a
CONCOW C A JORDAN HILL RD.	08/20/02		<1	a
CONCOW C A JORDAN HILL RD.	09/24/02		2	a
CONCOW C A JORDAN HILL RD.	10/18/02		25	a
CONCOW C A JORDAN HILL RD.	11/12/02		<1	-
CONCOW C A JORDAN HILL RD.	12/10/02		<1	a
CONCOW C A JORDAN HILL RD.	12/16/02		3	a
CONCOW C A JORDAN HILL RD.	01/08/03		<1	trace
CONCOW C A JORDAN HILL RD.	02/18/03		2	a
CONCOW C A JORDAN HILL RD.	03/12/03		2	a
CONCOW C A JORDAN HILL RD.	04/15/03		2	a
CONCOW C A JORDAN HILL RD.	05/13/03		<1	trace
CONCOW C A JORDAN HILL RD.	06/11/03		<1	a
CONCOW C A JORDAN HILL RD.	07/15/03		<1	trace
CONCOW C A JORDAN HILL RD.	08/19/03		<1	a
CONCOW C A JORDAN HILL RD.	09/16/03		2	a
CONCOW C A JORDAN HILL RD.	10/16/03		<1	-
CONCOW C A JORDAN HILL RD.	11/12/03		2	a
CONCOW C A JORDAN HILL RD.	12/09/03		<1	a
CONCOW C A JORDAN HILL RD.	01/14/04		1	a
CONCOW C A JORDAN HILL RD. (storm)	02/03/04		2	a
CONCOW C A JORDAN HILL RD.	02/18/04		8	0.1
CONCOW C A JORDAN HILL RD.	03/15/04		<1	a
CONCOW C A JORDAN HILL RD.	04/13/04		<1	trace
POE PH OUTFLOW	07/15/02		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
POE PH OUTFLOW	08/20/02		1	a
POE PH OUTFLOW	09/24/02		2	a
POE PH OUTFLOW	10/17/02		2	a
POE PH OUTFLOW	11/12/02		3	-
POE PH OUTFLOW	12/10/02		3	a
POE PH OUTFLOW	12/16/02		57	0.1
POE PH OUTFLOW	01/08/03		2	a
POE PH OUTFLOW	02/18/03		5	a
POE PH OUTFLOW	03/12/03		<1	a
POE PH OUTFLOW	04/15/03		4	a
POE PH OUTFLOW	05/13/03		5	trace
POE PH OUTFLOW	06/11/03		3	a
POE PH OUTFLOW	07/15/03		2	a
POE PH OUTFLOW	08/19/03		2	a
POE PH OUTFLOW	09/16/03		1	a
POE PH OUTFLOW	10/16/03		2	-
POE PH OUTFLOW	11/12/03		1	a
POE PH OUTFLOW	12/09/03		5	a
POE PH OUTFLOW	01/14/04		2	a
POE PH OUTFLOW (storm)	02/03/04		2	a
POE PH OUTFLOW	02/18/04		262	1.1
POE PH OUTFLOW	03/15/04		7	a
POE PH OUTFLOW	04/13/04		3	a
W BRANCH FEATHER RIVER	03/28/02	0.15	2	
W BRANCH FEATHER RIVER	04/23/02	0.15	2	a
W BRANCH FEATHER RIVER	05/21/02	0.15		a
W BRANCH FEATHER RIVER	06/25/02	0.15	26	a
W BRANCH FEATHER RIVER	07/15/02	0.15	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
W BRANCH FEATHER RIVER	08/20/02		<1	a
W BRANCH FEATHER RIVER	09/24/02		<1	a
W BRANCH FEATHER RIVER	10/18/02		<1	a
W BRANCH FEATHER RIVER	11/12/02		<1	-
W BRANCH FEATHER RIVER	12/10/02		2	a
W BRANCH FEATHER RIVER	12/16/02		44	0.2
W BRANCH FEATHER RIVER	01/08/03		<1	a
W BRANCH FEATHER RIVER	02/18/03		3	a
W BRANCH FEATHER RIVER	03/12/03		2	a
W BRANCH FEATHER RIVER	04/15/03		2	a
W BRANCH FEATHER RIVER	05/13/03		1	a
W BRANCH FEATHER RIVER	06/11/03		<1	a
W BRANCH FEATHER RIVER	07/15/03		3	a
W BRANCH FEATHER RIVER	08/19/03		<1	a
W BRANCH FEATHER RIVER	09/16/03		<1	a
W BRANCH FEATHER RIVER	10/16/03		<1	-
W BRANCH FEATHER RIVER	11/12/03		<1	a
W BRANCH FEATHER RIVER	12/09/03		<1	a
W BRANCH FEATHER RIVER	01/14/04		<1	a
W BRANCH FEATHER RIVER (storm)	02/03/04		1	a
W BRANCH FEATHER RIVER	02/18/04		144	0.5
W BRANCH FEATHER RIVER	03/15/04		<1	a
W BRANCH FEATHER RIVER	04/13/04		2	trace
Lake Oroville - Middle Fork	04/29/02	0.15	2	a
Lake Oroville - Middle Fork	04/29/02	75	1	a
Lake Oroville - Middle Fork	05/23/02	0.15	<1	a
Lake Oroville - Middle Fork	05/23/02	72	<1	a
Lake Oroville - Middle Fork	06/18/02	0.15	4	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - Middle Fork	06/18/02	78	4	a
Lake Oroville - Middle Fork	07/16/02	0.15	2	a
Lake Oroville - Middle Fork	07/16/02	51	<1	a
Lake Oroville - Middle Fork	08/14/02	0.15	2	a
Lake Oroville - Middle Fork	08/14/02	60	2	a
Lake Oroville - Middle Fork	09/19/02	0.15		a
Lake Oroville - Middle Fork	09/19/02	81		trace
Lake Oroville - Middle Fork	10/23/02	0.15	<1	a
Lake Oroville - Middle Fork	10/23/02	75	6	a
Lake Oroville - Middle Fork	11/21/02	0.15	2	a
Lake Oroville - Middle Fork	11/21/02	51	10	
Lake Oroville - Middle Fork	12/17/02	0.15	10	a
Lake Oroville - Middle Fork	12/17/02	60	8	a
Lake Oroville - Middle Fork	01/15/03	0.15	1	a
Lake Oroville - Middle Fork	02/20/03	0.15	<1	a
Lake Oroville - Middle Fork	02/20/03	105	1	a
Lake Oroville - Middle Fork	03/24/03	0.15	2	a
Lake Oroville - Middle Fork	03/24/03	100	4	a
Lake Oroville - Middle Fork	04/22/03	0.15	2	a
Lake Oroville - Middle Fork	04/22/03	105		a
Lake Oroville - Middle Fork	08/26/03	0.15	<5.0	
Lake Oroville - Middle Fork	08/26/03	78	<5.0	
Lake Oroville - Middle Fork	09/23/03	0.15	2	
Lake Oroville - Middle Fork	10/22/03	0.15	<1	
Lake Oroville - Middle Fork	10/22/03	105	4	
Lake Oroville - Middle Fork	11/19/03	0.15	4	a
Lake Oroville - Middle Fork	11/19/03	96	3	a
Lake Oroville - Middle Fork	12/16/03	0.15	<1	a
Lake Oroville - Middle Fork	12/16/03	96	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - Middle Fork	01/21/04	0.15	1	a
Lake Oroville - Middle Fork	01/21/04	80	2	a
Lake Oroville - Middle Fork	02/26/04	0.15	<1	a
Lake Oroville - Middle Fork	02/26/04	90	<1	a
Lake Oroville - Middle Fork	03/23/04	0.15	<1	a
Lake Oroville - Middle Fork	03/23/04	120	<1.	a
Lake Oroville - North Fork	04/23/02	0.15		
Lake Oroville - North Fork	04/23/02	89		0.4
Lake Oroville - North Fork	04/23/02	110	7	
Lake Oroville - North Fork	05/21/02	0.15		a
Lake Oroville - North Fork	05/21/02	102		a
Lake Oroville - North Fork	06/25/02	0.15	<1	a
Lake Oroville - North Fork	06/25/02	87	<1	a
Lake Oroville - North Fork	07/22/02	0.15	1	a
Lake Oroville - North Fork	07/22/02	103	<1	a
Lake Oroville - North Fork	08/13/02	SFC	1	a
Lake Oroville - North Fork	08/13/02	105	2	a
Lake Oroville - North Fork	09/20/02	0.15		a
Lake Oroville - North Fork	10/28/02	0.15	2	a
Lake Oroville - North Fork	10/28/02	99	6	a
Lake Oroville - North Fork	11/21/02	0.15	<1	a
Lake Oroville - North Fork	11/21/02	63	2	a
Lake Oroville - North Fork	01/17/03	0.15	1	
Lake Oroville - North Fork	01/17/03	90	26	
Lake Oroville - North Fork	02/24/03	0.15	2	a
Lake Oroville - North Fork	02/24/03	114		a
Lake Oroville - North Fork	03/20/03	0.15	2	a
Lake Oroville - North Fork	03/20/03	96		a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - North Fork	04/30/03	0.15	<1	
Lake Oroville - North Fork	08/26/03	0.15	<5.0	
Lake Oroville - North Fork	08/26/03	123	<5.0	
Lake Oroville - North Fork	09/10/03	100	2	
Lake Oroville - North Fork	09/10/03	105	2	
Lake Oroville - North Fork	10/21/03	114	<1	
Lake Oroville - North Fork	11/18/03	0.15	<1	
Lake Oroville - North Fork	12/16/03	0.15	<1	a
Lake Oroville - North Fork	12/16/03	114		a
Lake Oroville - North Fork	01/21/04	0.15	1	a
Lake Oroville - North Fork	01/21/04	100	4	a
Lake Oroville - North Fork	03/01/04	0.15	1	a
Lake Oroville - North Fork	03/01/04	140	2	a
Lake Oroville - North Fork	03/22/04	0.15	<1	trace
Lake Oroville - North Fork	03/22/04	141		a
Lake Oroville - North Fork	04/26/04	0.15	2	a
Lake Oroville - North Fork	04/26/04	105	3	a
Lake Oroville - South Fork	04/25/02	0.15	<1	
Lake Oroville - South Fork	04/25/02	12		a
Lake Oroville - South Fork	04/25/02	51	7	0.1
Lake Oroville - South Fork	05/24/02	0.15	<1	a
Lake Oroville - South Fork	05/24/02	54	<1	a
Lake Oroville - South Fork	06/20/02	0.15	5	a
Lake Oroville - South Fork	06/20/02	44	23	a
Lake Oroville - South Fork	07/16/02	0.15	2	a
Lake Oroville - South Fork	07/16/02	51	<1	a
Lake Oroville - South Fork	08/19/02	0.15	5	a
Lake Oroville - South Fork	08/19/02	36	1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - South Fork	09/19/02	0.15		a
Lake Oroville - South Fork	09/19/02	36		a
Lake Oroville - South Fork	10/23/02	0.15	3	a
Lake Oroville - South Fork	10/23/02	33	5	a
Lake Oroville - South Fork	11/21/02	0.15	3	a
Lake Oroville - South Fork	11/21/02	29	36	trace
Lake Oroville - South Fork	12/17/02	0.15	23	trace
Lake Oroville - South Fork	12/17/02	29	18	a
Lake Oroville - South Fork	01/15/03	0.15	2	a
Lake Oroville - South Fork	01/15/03	51		0.8
Lake Oroville - South Fork	02/20/03	0.15	2	a
Lake Oroville - South Fork	02/20/03	42	<1	a
Lake Oroville - South Fork	03/24/03	0.15	4	a
Lake Oroville - South Fork	03/24/03	45	2	a
Lake Oroville - South Fork	04/22/03	0.15	2	a
Lake Oroville - South Fork	04/22/03	54		a
Lake Oroville - South Fork	08/26/03	0.15	<5.0	
Lake Oroville - South Fork	08/26/03	50	<5.0	
Lake Oroville - South Fork	09/23/03	0.15	3	
Lake Oroville - South Fork	09/23/03	65	2	
Lake Oroville - South Fork	10/22/03	0.15	2	
Lake Oroville - South Fork	10/22/03	60	1	
Lake Oroville - South Fork	11/19/03	0.15	2	a
Lake Oroville - South Fork	11/19/03	56	2	a
Lake Oroville - South Fork	12/16/03	0.15	<1	a
Lake Oroville - South Fork	12/16/03	60	1	a
Lake Oroville - South Fork	01/20/04	0.15	<1	a
Lake Oroville - South Fork	01/20/04	60	<1	a
Lake Oroville - South Fork	02/23/04	0.15	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - South Fork	02/23/04	75	1	a
Lake Oroville - South Fork	03/23/04	0.15	<1	a
Lake Oroville - South Fork	03/23/04	60	<1	a
Lake Oroville - Main Body	04/30/02	0.15	2	
Lake Oroville - Main Body	04/30/02	126	1	
Lake Oroville - Main Body	05/28/02	0.15	<1	a
Lake Oroville - Main Body	05/28/02	132		a
Lake Oroville - Main Body	05/28/02	143	<1	
Lake Oroville - Main Body	06/26/02	0.15	<1	a
Lake Oroville - Main Body	06/26/02	105	<1	a
Lake Oroville - Main Body	07/17/02	0.15	<1	a
Lake Oroville - Main Body	07/17/02	105	1	
Lake Oroville - Main Body	08/14/02	0.15	1	
Lake Oroville - Main Body	08/14/02	75	<1	a
Lake Oroville - Main Body	09/23/02	0.15	1	a
Lake Oroville - Main Body	09/23/02	93		a
Lake Oroville - Main Body	09/23/02	95	1	
Lake Oroville - Main Body	10/23/02	0.15	<1	a
Lake Oroville - Main Body	10/23/02	75		a
Lake Oroville - Main Body	01/15/03	0.15		a
Lake Oroville - Main Body	02/19/03	0.15	<1	a
Lake Oroville - Main Body	02/19/03	123	<1	a
Lake Oroville - Main Body	03/25/03	0.15	2	a
Lake Oroville - Main Body	03/25/03	96	2	a
Lake Oroville - Main Body	04/30/03	0.15	2	
Lake Oroville - Main Body	08/25/03	0.15	<5.0	
Lake Oroville - Main Body	08/25/03	51	<5.0	
Lake Oroville - Main Body	10/21/03	0.15	<1	

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville - Main Body	10/21/03	110	<1	
Lake Oroville - Main Body	11/18/03	0.15	<1	
Lake Oroville - Main Body	12/15/03	0.15	<1	a
Lake Oroville - Main Body	12/15/03	110	<1	a
Lake Oroville - Main Body	01/20/04	0.15	<1	a
Lake Oroville - Main Body	01/20/04	150	<1	a
Lake Oroville - Main Body	02/23/04	0.15	<1	a
Lake Oroville - Main Body	02/23/04	135	<1	a
Lake Oroville - Main Body	03/22/04	0.15	2	
Lake Oroville at Dam	05/02/02	0.15	<1	
Lake Oroville at Dam	05/02/02	153	<1	
Lake Oroville at Dam	05/29/02	0.15	<1	
Lake Oroville at Dam	05/29/02	68	<1	
Lake Oroville at Dam	05/29/02	69		a
Lake Oroville at Dam	06/26/02	0.15	1	a
Lake Oroville at Dam	06/26/02	59	2	
Lake Oroville at Dam	06/26/02	60		a
Lake Oroville at Dam	06/26/02	105	<1	a
Lake Oroville at Dam	07/17/02	0.15	<1	a
Lake Oroville at Dam	07/17/02	16	2	
Lake Oroville at Dam	07/17/02	123	<1	a
Lake Oroville at Dam	08/15/02	0.15	1	a
Lake Oroville at Dam	08/15/02	60	<1	a
Lake Oroville at Dam	08/15/02	123	2	a
Lake Oroville at Dam	09/18/02	0.15		a
Lake Oroville at Dam	09/18/02	56	<1	
Lake Oroville at Dam	09/18/02	60		a
Lake Oroville at Dam	09/18/02	150		a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville at Dam	10/21/02	0.15	1	a
Lake Oroville at Dam	10/21/02	60		a
Lake Oroville at Dam	10/21/02	141	<1	a
Lake Oroville at Dam	11/20/02	0.15	1	
Lake Oroville at Dam	11/20/02	69	2	
Lake Oroville at Dam	01/17/03	0.15	1	
Lake Oroville at Dam	01/17/03	60	<1	
Lake Oroville at Dam	01/17/03	141	1	
Lake Oroville at Dam	02/19/03	0.15	<1	a
Lake Oroville at Dam	02/19/03	78	<1	a
Lake Oroville at Dam	02/19/03	168	<1	a
Lake Oroville at Dam	03/25/03	0.15	3	a
Lake Oroville at Dam	03/25/03	78	3	
Lake Oroville at Dam	03/25/03	177	2	a
Lake Oroville at Dam	04/21/03	0.15	2	a
Lake Oroville at Dam	04/21/03	78	2	a
Lake Oroville at Dam	04/21/03	178	2	a
Lake Oroville at Dam	06/23/03	0.15	2	
Lake Oroville at Dam	06/23/03	100	1	
Lake Oroville at Dam	06/23/03	170	2	
Lake Oroville at Dam	07/21/03	0.15	2	
Lake Oroville at Dam	07/21/03	80	2	
Lake Oroville at Dam	07/21/03	150	2	
Lake Oroville at Dam	08/25/03	0.15	<5	
Lake Oroville at Dam	08/25/03	69	<5	
Lake Oroville at Dam	08/25/03	150	<5	
Lake Oroville at Dam	10/20/03	0.15	<1	
Lake Oroville at Dam	11/17/03	0.15	<1	a
Lake Oroville at Dam	11/17/03	60	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Lake Oroville at Dam	11/17/03	126	<1	a
Lake Oroville at Dam	12/15/03	1	<1	a
Lake Oroville at Dam	12/15/03	60	2	a
Lake Oroville at Dam	12/15/03	128	<1	a
Lake Oroville at Dam	01/20/04	0.15	<1	a
Lake Oroville at Dam	01/20/04	60	<1	a
Lake Oroville at Dam	01/20/04	100	<1	a
Lake Oroville at Dam	02/23/04	0.15	<1	a
Lake Oroville at Dam	02/23/04	60	<1	a
Lake Oroville at Dam	02/23/04	130	<1	a
Lake Oroville at Dam	03/22/04	0.15	1	a
Lake Oroville at Dam	03/22/04	60	2	a
Lake Oroville at Dam	03/22/04	150		a
Lake Oroville at Dam	04/22/04	0.15	2	a
Lake Oroville at Dam	04/22/04	90	1	a
Lake Oroville at Dam	04/22/04	130	1	a
Thermalito Diversion Pool US of Power Plant	04/03/02	0.15	1	
Thermalito Diversion Pool US of Power Plant	04/22/02	0.15	<1	trace
Thermalito Diversion Pool US of Power Plant	05/22/02	0.15	<1	
Thermalito Diversion Pool US of Power Plant	06/18/02	0.15	2	0.2
Thermalito Diversion Pool US of Power Plant	07/23/02	0.15	<1	a
Thermalito Diversion Pool US of Power Plant	08/20/02	0.15	2	a
Thermalito Diversion Pool US of Power Plant	09/24/02	0.15	2	a
Thermalito Diversion Pool US of Power Plant	10/24/02	0.15	2	a
Thermalito Diversion Pool US of Power Plant	11/17/03	0.15	<1	a
Thermalito Diversion Pool US of Power Plant	11/18/02	0.15	3	
Thermalito Diversion Pool US of Power Plant	12/16/02	SFC	4	a
Thermalito Diversion Pool US of Power Plant	01/13/03	0.15	2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Diversion Pool US of Power Plant	02/25/03	0.15	<1	
Thermalito Diversion Pool US of Power Plant	03/18/03	0.15	1	a
Thermalito Diversion Pool US of Power Plant	04/14/03	0.15	<1	
Thermalito Diversion Pool US of Power Plant	08/26/03	0.15	<5.0	
Thermalito Diversion Pool US of Power Plant	09/23/03	0.15	2	
Thermalito Diversion Pool US of Power Plant	11/17/03	0.15	<1	
Thermalito Diversion Pool US of Power Plant	12/15/03	0.15	<1	a
Thermalito Diversion Pool US of Power Plant	01/21/04	0.15	2	a
Thermalito Diversion Pool US of Power Plant	02/23/04	0.15	<1	a
Thermalito Diversion Pool US of Power Plant	03/22/04	0.15	<1	a
Thermalito Diversion Pool US of Power Plant	04/20/04	0.15	<1	a
Thermalito Diversion Pool DS power plant	05/22/02	0.15		a
Thermalito Diversion Pool DS power plant	02/25/03	0.15		a
Thermalito Diversion Pool DS power plant	03/18/03	0.15	1	trace
Thermalito Diversion Pool DS power plant	04/14/03	0.15	1	
Thermalito Diversion Pool DS power plant	08/26/03	0.15	6	
Thermalito Diversion Pool DS power plant	09/23/03	0.15	4	
Thermalito Diversion Pool DS power plant	10/20/03	0.15	<1	
Thermalito Diversion Pool DS power plant	11/17/03	0.15	1	a
Thermalito Diversion Pool DS power plant	12/15/03	0.15	6	trace
Thermalito Diversion Pool DS power plant	01/21/04	0.15	1	a
Thermalito Diversion Pool DS power plant	02/23/04	0.15	5	0.5
Thermalito Diversion Pool DS power plant	03/22/04	0.15		0.1
Thermalito Diversion Pool DS power plant	04/20/04	0.15	<1	a
Thermalito Diversion Pool US Dam	04/03/02	0.15	<1	
Thermalito Diversion Pool US Dam	04/22/02	0.15	<1	a
Thermalito Diversion Pool US Dam	04/22/02	18	1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Diversion Pool US Dam	05/22/02	0.15	<1	a
Thermalito Diversion Pool US Dam	05/22/02	24	2	a
Thermalito Diversion Pool US Dam	06/18/02	0.15	3	a
Thermalito Diversion Pool US Dam	06/18/02	27	5	a
Thermalito Diversion Pool US Dam	07/22/02	0.15	<1	a
Thermalito Diversion Pool US Dam	07/22/02	19	<1	a
Thermalito Diversion Pool US Dam	08/20/02	0.15	1	a
Thermalito Diversion Pool US Dam	08/20/02	15	2	0.1
Thermalito Diversion Pool US Dam	09/24/02	0.15	<1	a
Thermalito Diversion Pool US Dam	09/24/02	24	3	trace
Thermalito Diversion Pool US Dam	10/24/02	0.15	2	a
Thermalito Diversion Pool US Dam	10/24/02	14	4	a
Thermalito Diversion Pool US Dam	11/18/02	0.15	3	
Thermalito Diversion Pool US Dam	11/18/02	21	<1	
Thermalito Diversion Pool US Dam	12/16/03	0.15	3	a
Thermalito Diversion Pool US Dam	12/16/03	14	2	a
Thermalito Diversion Pool US Dam	01/13/03	0.15	3	a
Thermalito Diversion Pool US Dam	01/13/03	17	3	a
Thermalito Diversion Pool US Dam	02/27/03	0.15	<1	a
Thermalito Diversion Pool US Dam	02/27/03	15	1	a
Thermalito Diversion Pool US Dam	03/18/03	0.15	3	a
Thermalito Diversion Pool US Dam	03/18/03	20	3	a
Thermalito Diversion Pool US Dam	04/14/03	0.15	2	
Thermalito Diversion Pool US Dam	04/14/03	14	1	expired
Thermalito Diversion Pool US Dam	05/28/03	0.15	1	
Thermalito Diversion Pool US Dam	05/28/03	17	2	
Thermalito Diversion Pool US Dam	06/24/03	0.15	2	a
Thermalito Diversion Pool US Dam	06/24/03	21	<1	a
Thermalito Diversion Pool US Dam	08/05/03	0.15	2	

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Diversion Pool US Dam	08/05/03	18	<1	
Thermalito Diversion Pool US Dam	08/26/03	0.15	<5	
Thermalito Diversion Pool US Dam	08/26/03	18	<5	
Thermalito Diversion Pool US Dam	08/26/03	23	<5	
Thermalito Diversion Pool US Dam	09/23/03	0.15	1	
Thermalito Diversion Pool US Dam	09/23/03	25	2	
Thermalito Diversion Pool US Dam	11/17/03	0.15	<1	a
Thermalito Diversion Pool US Dam	11/17/03	25	1	a
Thermalito Diversion Pool US Dam	12/16/03	0.15	<1	a
Thermalito Diversion Pool US Dam	12/16/03	24	<1	a
Thermalito Diversion Pool US Dam	01/21/04	0.15	<1	a
Thermalito Diversion Pool US Dam	01/21/04	20	1	a
Thermalito Diversion Pool US Dam	02/23/04	0.15	1	a
Thermalito Diversion Pool US Dam	02/23/04	25	1	
Thermalito Diversion Pool US Dam	03/22/04	0.15	<1	a
Thermalito Diversion Pool US Dam	03/22/04	27	<1	a
Thermalito Diversion Pool US Dam	04/20/04	0.15	<1	a
Thermalito Diversion Pool US Dam	04/20/04	21	<1	a
Thermalito Forebay, north	04/02/02	0.15	<1	a
Thermalito Forebay, north	04/02/02	1		a
Thermalito Forebay, north	04/02/02	2		a
Thermalito Forebay, north	04/02/02	3		a
Thermalito Forebay, north	04/02/02	4		a
Thermalito Forebay, north	04/02/02	5		a
Thermalito Forebay, north	04/02/02	6		a
Thermalito Forebay, north	04/02/02	7		a
Thermalito Forebay, north	04/02/02	7.2	<1	a
Thermalito Forebay, north	04/29/02	0.15	2	n/a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Forebay, north	04/29/02	1		a
Thermalito Forebay, north	04/29/02	5.5	3	a
Thermalito Forebay, north	05/22/02	0.15	<1	a
Thermalito Forebay, north	05/22/02	8	8	0.1
Thermalito Forebay, north	06/17/02	0.15	3	a
Thermalito Forebay, north	06/17/02	5	4	a
Thermalito Forebay, north	07/18/02	0.15	2	
Thermalito Forebay, north	07/18/02	6	2	a
Thermalito Forebay, north	08/19/02	0.15	2	a
Thermalito Forebay, north	08/19/02	6	<1	a
Thermalito Forebay, north	09/17/02	0.15	2	a
Thermalito Forebay, north	09/17/02	3.5	1	a
Thermalito Forebay, north	10/22/02	0.15	1	a
Thermalito Forebay, north	10/22/02	8	<1	a
Thermalito Forebay, north	11/19/02	0.15	2	a
Thermalito Forebay, north	11/19/02	8	2	a
Thermalito Forebay, north	12/12/02	0.15	2	a
Thermalito Forebay, north	12/12/02	8	3	a
Thermalito Forebay, north	01/14/03	0.15	2	a
Thermalito Forebay, north	01/14/03	8	3	a
Thermalito Forebay, north	02/26/03	0.15	1	a
Thermalito Forebay, north	02/26/03	8	2	a
Thermalito Forebay, north	03/19/03	0.15	2	a
Thermalito Forebay, north	03/19/03	7	2	a
Thermalito Forebay, north	04/15/03	0.15	<1	a
Thermalito Forebay, north	04/15/03	8	2	a
Thermalito Forebay, north	05/20/03	0.15	2	a
Thermalito Forebay, north	05/20/03	8	2	a
Thermalito Forebay, north	06/23/03	0.15	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Forebay, north	06/23/03	8	3	a
Thermalito Forebay, north	07/21/03	0.15	2	a
Thermalito Forebay, north	07/21/03	9	3	a
Thermalito Forebay, north	08/25/03	0.15	<5.0	a
Thermalito Forebay, north	08/25/03	8	<5.0	a
Thermalito Forebay, north	09/22/03	0.15	9	a
Thermalito Forebay, north	09/22/03	8	<1	a
Thermalito Forebay, north	10/21/03	0.15	<1	a
Thermalito Forebay, north	10/21/03	8	<1	a
Thermalito Forebay, north	11/18/03	0.15	<1	a
Thermalito Forebay, north	11/18/03	8	<1	a
Thermalito Forebay, north	12/16/03	0.15	<1	a
Thermalito Forebay, north	12/16/03	8	<1	a
Thermalito Forebay, north	01/20/04	0.15	<1	a
Thermalito Forebay, north	01/20/04	6	28	a
Thermalito Forebay, north	02/23/04	0.15	<1	a
Thermalito Forebay, north	02/23/04	8	1	a
Thermalito Forebay, north	03/22/04	0.15	2	
Thermalito Forebay, north	03/22/04	8	2	
Thermalito Forebay, north	04/19/04	0.15	<1	a
Thermalito Forebay, north	04/19/04	8	<1	a
Thermalito Forebay, south	04/02/02	0.15	<1	a
Thermalito Forebay, south	04/02/02	1	n/a	n/a
Thermalito Forebay, south	04/02/02	9	1	a
Thermalito Forebay, south	04/29/02	0.15	1	a
Thermalito Forebay, south	04/29/02	7	2	a
Thermalito Forebay, south	05/22/02	0.15	<1	a
Thermalito Forebay, south	05/22/02	9	1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Forebay, south	06/17/02	0.15	2	a
Thermalito Forebay, south	06/17/02	9	4	a
Thermalito Forebay, south	07/18/02	0.15	<1	a
Thermalito Forebay, south	07/18/02	11	2	a
Thermalito Forebay, south	08/19/02	0.15	2	a
Thermalito Forebay, south	08/19/02	7.5	1	a
Thermalito Forebay, south	09/17/02	0.15	2	a
Thermalito Forebay, south	09/17/02	6	1	a
Thermalito Forebay, south	10/22/02	0.15	<1	a
Thermalito Forebay, south	10/22/02	10	1	a
Thermalito Forebay, south	11/19/02	0.15	2	a
Thermalito Forebay, south	11/19/02	9	3	a
Thermalito Forebay, south	12/12/02	0.15	4	a
Thermalito Forebay, south	12/12/02	9	4	a
Thermalito Forebay, south	01/14/03	0.15	3	a
Thermalito Forebay, south	01/14/03	10	2	a
Thermalito Forebay, south	02/26/03	0.15	1	a
Thermalito Forebay, south	02/26/03	10	3	a
Thermalito Forebay, south	03/19/03	0.15	1	a
Thermalito Forebay, south	03/19/03	10	2	a
Thermalito Forebay, south	04/15/03	0.15	<1	a
Thermalito Forebay, south	04/15/03	10	<1	a
Thermalito Forebay, south	05/20/03	0.15	2	a
Thermalito Forebay, south	05/20/03	11	<1	a
Thermalito Forebay, south	06/23/03	0.15	1	
Thermalito Forebay, south	06/23/03	11	2	
Thermalito Forebay, south	07/21/03	0.15	2	a
Thermalito Forebay, south	07/21/03	10	4	a
Thermalito Forebay, south	08/25/03	0.15	<5	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Forebay, south	08/25/03	9	<5	a
Thermalito Forebay, south	09/22/03	0.15	<1	a
Thermalito Forebay, south	09/22/03	9	2	a
Thermalito Forebay, south	10/21/03	0.15	<1	a
Thermalito Forebay, south	10/21/03	10	<1	a
Thermalito Forebay, south	11/18/03	0.15	2	a
Thermalito Forebay, south	11/18/03	8.5	20	trace
Thermalito Forebay, south	12/16/03	0.15	<1	a
Thermalito Forebay, south	12/16/03	10	<1	a
Thermalito Forebay, south	01/20/04	0.15	<1	a
Thermalito Forebay, south	01/20/04	11	<1	a
Thermalito Forebay, south	02/23/04	0.15	<1	a
Thermalito Forebay, south	02/23/04	9	1	
Thermalito Forebay, south	03/22/04	0.15	3	
Thermalito Forebay, south	03/22/04	10	1	
Thermalito Forebay, south	04/19/04	0.15	<1	a
Thermalito Forebay, south	04/19/04	8.5	<1	trace
Thermalito Afterbay, north	04/02/02	0.15	2	a
Thermalito Afterbay, north	04/02/02	1		a
Thermalito Afterbay, north	04/02/02	2		a
Thermalito Afterbay, north	04/02/02	3		a
Thermalito Afterbay, north	04/02/02	4	2	a
Thermalito Afterbay, north	04/24/02	0.15	<1	a
Thermalito Afterbay, north	04/24/02	3.5	<1	a
Thermalito Afterbay, north	05/23/02	0.15	<1	a
Thermalito Afterbay, north	05/23/02	4	2	a
Thermalito Afterbay, north	06/17/02	0.15	4	a
Thermalito Afterbay, north	06/17/02	2.75	4	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Afterbay, north	07/18/02	0.15	2	a
Thermalito Afterbay, north	07/18/02	5	4	a
Thermalito Afterbay, north	08/19/02	0.15	2	a
Thermalito Afterbay, north	08/19/02	3.5	2	a
Thermalito Afterbay, north	09/17/02	0.15	<1	a
Thermalito Afterbay, north	09/17/02	4	2	a
Thermalito Afterbay, north	10/22/02	0.15	1	a
Thermalito Afterbay, north	10/22/02	3.5	2	a
Thermalito Afterbay, north	11/19/02	0.15	2	a
Thermalito Afterbay, north	11/19/02	4	2	a
Thermalito Afterbay, north	12/12/02	0.15	4	a
Thermalito Afterbay, north	12/12/02	4	5	a
Thermalito Afterbay, north	01/14/03	0.15	2	a
Thermalito Afterbay, north	01/14/03	3	3	a
Thermalito Afterbay, north	02/26/03	0.15	3	a
Thermalito Afterbay, north	02/26/03	3	1	a
Thermalito Afterbay, north	03/19/03	0.15	2	a
Thermalito Afterbay, north	03/19/03	5	2	a
Thermalito Afterbay, north	04/15/03	0.15	1	a
Thermalito Afterbay, north	04/15/03	5	2	a
Thermalito Afterbay, north	05/20/03	0.15	1	a
Thermalito Afterbay, north	05/20/03	4	3	a
Thermalito Afterbay, north	06/24/03	0.15	2	a
Thermalito Afterbay, north	06/24/03	5	1	a
Thermalito Afterbay, north	07/21/03	0.15	2	a
Thermalito Afterbay, north	07/21/03	5	3	a
Thermalito Afterbay, north	08/25/03	0.15	<5	a
Thermalito Afterbay, north	08/25/03	3.2	<5	a
Thermalito Afterbay, north	09/22/03	0.15	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Afterbay, north	09/22/03	4	2	a
Thermalito Afterbay, north	10/21/03	0.15	<1	a
Thermalito Afterbay, north	10/21/03	4	1	a
Thermalito Afterbay, north	11/18/03	0.15	<1	a
Thermalito Afterbay, north	11/18/03	4	<1	a
Thermalito Afterbay, north	12/16/03	0.15	2	a
Thermalito Afterbay, north	12/16/03	4	1	a
Thermalito Afterbay, north	01/20/04	0.15	1	a
Thermalito Afterbay, north	01/20/04	5	<1	a
Thermalito Afterbay, north	02/23/04	0.15	2	
Thermalito Afterbay, north	02/23/04	5	2	a
Thermalito Afterbay, north	03/22/04	0.15	2	
Thermalito Afterbay, north	03/22/04	5	2	
Thermalito Afterbay, north	04/22/04	0.15	2	trace
Thermalito Afterbay, north	04/22/04	5.5	3	a
Thermalito Afterbay, south	04/02/02	0.15	2	a
Thermalito Afterbay, south	04/02/02	1		a
Thermalito Afterbay, south	04/02/02	2		a
Thermalito Afterbay, south	04/02/02	3		a
Thermalito Afterbay, south	04/02/02	4		a
Thermalito Afterbay, south	04/02/02	5	4	a
Thermalito Afterbay, south	04/24/02	0.15	1	a
Thermalito Afterbay, south	04/24/02	4.5	1	a
Thermalito Afterbay, south	05/23/02	0.15	<1	a
Thermalito Afterbay, south	05/23/02	5	2	a
Thermalito Afterbay, south	06/17/02	0.15	4	a
Thermalito Afterbay, south	06/17/02	3	6	a
Thermalito Afterbay, south	07/18/02	0.15	3	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Afterbay, south	07/18/02	6	2	n/a
Thermalito Afterbay, south	08/19/02	0.15	3	a
Thermalito Afterbay, south	08/19/02	4.5	3	a
Thermalito Afterbay, south	09/17/02	0.15	<1	a
Thermalito Afterbay, south	09/17/02	4.5	6	a
Thermalito Afterbay, south	10/22/02	0.15	<1	a
Thermalito Afterbay, south	10/22/02	4	4	a
Thermalito Afterbay, south	11/19/02	0.15	<1	a
Thermalito Afterbay, south	11/19/02	3	3	a
Thermalito Afterbay, south	12/12/02	0.15	<1	a
Thermalito Afterbay, south	12/12/02	5	4	a
Thermalito Afterbay, south	01/14/03	0.15	2	a
Thermalito Afterbay, south	01/14/03	4	2	a
Thermalito Afterbay, south	02/26/03	0.15	1	a
Thermalito Afterbay, south	02/26/03	3.8	3	a
Thermalito Afterbay, south	03/19/03	0.15	2	a
Thermalito Afterbay, south	03/19/03	6	3	a
Thermalito Afterbay, south	04/15/03	0.15	2	a
Thermalito Afterbay, south	04/15/03	6	4	a
Thermalito Afterbay, south	05/20/03	0.15	3	a
Thermalito Afterbay, south	05/20/03	4	7	a
Thermalito Afterbay, south	06/24/03	0.15	<1	a
Thermalito Afterbay, south	06/24/03	6	<1	a
Thermalito Afterbay, south	07/21/03	0.15	2	a
Thermalito Afterbay, south	07/21/03	5	3	a
Thermalito Afterbay, south	08/25/03	0.15	<5	a
Thermalito Afterbay, south	08/25/03	3.1	<5	a
Thermalito Afterbay, south	09/22/03	0.15	<1	a
Thermalito Afterbay, south	09/22/03	3	6	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Afterbay, south	10/21/03	0.15	<1	a
Thermalito Afterbay, south	10/21/03	4	<1	a
Thermalito Afterbay, south	11/18/03	0.15	1	a
Thermalito Afterbay, south	11/18/03	4	2	a
Thermalito Afterbay, south	12/16/03	0.15	3	a
Thermalito Afterbay, south	12/16/03	4	2	a
Thermalito Afterbay, south	01/20/04	0.15	<1	a
Thermalito Afterbay, south	01/20/04	5	<1	a
Thermalito Afterbay, south	02/23/04	0.15	2	a
Thermalito Afterbay, south	02/23/04	5	2	a
Thermalito Afterbay, south	03/22/04	0.15	2	a
Thermalito Afterbay, south	03/22/04	4.5	<1	a
Thermalito Afterbay, south	04/22/04	0.15	3	trace
Thermalito Afterbay, south	04/22/04	7	3	a
Thermolito AFBY OL A Feather R	03/28/02	0.15	23	a
Thermolito AFBY OL A Feather R	04/24/02	0.15	23	a
Thermolito AFBY OL A Feather R	05/20/02	0.15	7	a
Thermolito AFBY OL A Feather R	06/25/02	0.15	4	a
Thermolito AFBY OL A Feather R	07/15/02	0.15	2	a
Thermolito AFBY OL A Feather R	08/13/02	0.15	n/a	n/a
Thermolito AFBY OL A Feather R	08/21/02	0.15	3	a
Thermolito AFBY OL A Feather R	09/25/02	0.15	2	a
Thermolito AFBY OL A Feather R	10/22/02	0.15	4	a
Thermolito AFBY OL A Feather R	11/14/02	0.15	n/a	a
Thermolito AFBY OL A Feather R	12/11/02	0.15	10	a
Thermolito AFBY OL A Feather R	12/17/02	0.15	5	a
Thermolito AFBY OL A Feather R	01/14/03	0.15	14	a
Thermolito AFBY OL A Feather R	02/20/03	0.15	7	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermolito AFBY OL A Feather R	03/19/03	0.15	15	a
Thermolito AFBY OL A Feather R	04/17/03	0.15	4	a
Thermolito AFBY OL A Feather R	05/15/03	0.15	7	a
Thermolito AFBY OL A Feather R	06/17/03	0.15	3	a
Thermolito AFBY OL A Feather R	07/08/03	0.15	6	a
Thermolito AFBY OL A Feather R	08/11/03	0.15	3	a
Thermolito AFBY OL A Feather R	09/17/03	0.15	2	a
Thermolito AFBY OL A Feather R	10/27/03	0.15	5	a
Thermolito AFBY OL A Feather R	11/17/03	0.15	2	trace
Thermolito AFBY OL A Feather R	12/15/03	0.15	1	a
Thermolito AFBY OL A Feather R	01/13/04	0.15	5	a
Thermolito AFBY OL A Feather R	02/03/04	0.15	9	trace
Thermolito AFBY OL A Feather R	02/10/04	0.15	8	a
Thermolito AFBY OL A Feather R	02/19/04	0.15	5	trace
Thermolito AFBY OL A Feather R	02/27/04	0.15	2	
Thermolito AFBY OL A Feather R	03/10/04	0.15	4	
Thermolito AFBY OL A Feather R	04/06/04	0.15	2	
UPPER PACIFIC HEIGHTS POND	05/30/02	SFC	7	a
UPPER PACIFIC HEIGHTS POND	06/28/02	SFC	<1	
UPPER PACIFIC HEIGHTS POND	07/24/02	SFC	14	a
UPPER PACIFIC HEIGHTS POND	08/22/02	SFC	<1.0	a
UPPER PACIFIC HEIGHTS POND	09/18/02	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	10/23/02	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	11/14/02	SFC	1	
UPPER PACIFIC HEIGHTS POND	12/19/02	SFC	1	trace
UPPER PACIFIC HEIGHTS POND	01/21/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	02/10/03	SFC	2	a
UPPER PACIFIC HEIGHTS POND	03/26/03	SFC	3	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
UPPER PACIFIC HEIGHTS POND	04/24/03	SFC	4	a
UPPER PACIFIC HEIGHTS POND	06/03/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	06/25/03	SFC	2	a
UPPER PACIFIC HEIGHTS POND	07/24/03	SFC	2	a
UPPER PACIFIC HEIGHTS POND	08/21/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	09/22/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	10/20/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	11/18/03	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	12/16/03	SFC	2	a
UPPER PACIFIC HEIGHTS POND	01/13/04	SFC	<1	a
UPPER PACIFIC HEIGHTS POND	02/10/04	SFC	1	a
UPPER PACIFIC HEIGHTS POND	03/10/04	SFC	2	a
UPPER PACIFIC HEIGHTS POND	04/07/04	SFC	2	trace
LOWER PACIFIC HEIGHTS POND	05/30/02	SFC	2	a
LOWER PACIFIC HEIGHTS POND	06/28/02	SFC	<1.0	a
LOWER PACIFIC HEIGHTS POND	07/24/02	SFC	4	trace
LOWER PACIFIC HEIGHTS POND	08/22/02	SFC	2	a
LOWER PACIFIC HEIGHTS POND	09/18/02	SFC	1	a
LOWER PACIFIC HEIGHTS POND	10/23/02	SFC	2	a
LOWER PACIFIC HEIGHTS POND	11/14/02	SFC	2	
LOWER PACIFIC HEIGHTS POND	12/19/02	SFC	4	trace
LOWER PACIFIC HEIGHTS POND	01/21/03	SFC	1	a
LOWER PACIFIC HEIGHTS POND	02/10/03	SFC	2	a
LOWER PACIFIC HEIGHTS POND	03/26/03	SFC	6	trace
LOWER PACIFIC HEIGHTS POND	04/24/03	SFC	3	a
LOWER PACIFIC HEIGHTS POND	06/03/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	06/25/03	SFC	11	a
LOWER PACIFIC HEIGHTS POND	07/24/03	SFC	3	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
LOWER PACIFIC HEIGHTS POND	08/21/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	09/22/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	10/20/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	11/18/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	12/16/03	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	01/13/04	SFC	<1	a
LOWER PACIFIC HEIGHTS POND	02/10/04	SFC	3	a
LOWER PACIFIC HEIGHTS POND	03/10/04	SFC	2	a
LOWER PACIFIC HEIGHTS POND	04/07/04	SFC	3	trace
MILE LONG POND	05/30/02	SFC		trace
MILE LONG POND	06/03/02	SFC		a
MILE LONG POND	06/03/02	2		a
MILE LONG POND	06/28/02	SFC	<1	-
MILE LONG POND	06/28/02	3	<1	
MILE LONG POND	07/24/02	SFC		a
MILE LONG POND	07/24/02	3		2
MILE LONG POND	08/22/02	SFC	3	a
MILE LONG POND	08/22/02	2.5	4	a
MILE LONG POND	08/22/02	3		a
MILE LONG POND	09/18/02	SFC	2	a
MILE LONG POND	09/18/02	2.5	12	0.3
MILE LONG POND	10/23/02	SFC	2	a
MILE LONG POND	10/23/02	2	2	a
MILE LONG POND	11/14/02	SFC	1	-
MILE LONG POND	11/14/02	3	15	-
MILE LONG POND	12/19/02	SFC	2	-
MILE LONG POND	12/19/02	3	61	-
MILE LONG POND	01/21/03	SFC	<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
MILE LONG POND	01/21/03	3	<1	
MILE LONG POND	02/10/03	SFC	2	a
MILE LONG POND	02/10/03	2.5	16	trace
MILE LONG POND	03/26/03	SFC	2	a
MILE LONG POND	03/26/03	2.5	1	a
MILE LONG POND	04/24/03	SFC	2	a
MILE LONG POND	04/24/03	3	4	
MILE LONG POND	06/03/03	SFC	<1	a
MILE LONG POND	06/03/03	BTM	18	a
MILE LONG POND	06/25/03	SFC	4	trace
MILE LONG POND	06/25/03	1.5	4	a
MILE LONG POND	07/24/03	SFC	1	a
MILE LONG POND	07/24/03	3	8	0.7
MILE LONG POND	08/21/03	SFC	<1	a
MILE LONG POND	08/21/03	3		6
MILE LONG POND	09/22/03	SFC	<1	a
MILE LONG POND	09/22/03	3	11	
MILE LONG POND	10/20/03	SFC	2	a
MILE LONG POND	10/20/03	3.5	3	a
MILE LONG POND	11/18/03	SFC	<1	a
MILE LONG POND	11/18/03	4	<1	a
MILE LONG POND	12/16/03	SFC	<1	a
MILE LONG POND	12/16/03	4	21	trace
MILE LONG POND	01/13/04	SFC	2	a
MILE LONG POND	01/13/04	4	1	trace
MILE LONG POND	02/10/04	SFC	2	a
MILE LONG POND	03/10/04	SFC	1	a
MILE LONG POND	03/10/04	4	<1	a
MILE LONG POND	04/07/04	SFC	<1	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
MILE LONG POND	04/07/04	4	3	0.3
OROVILLE FISHING POND	05/30/02	SFC	4	trace
OROVILLE FISHING POND	06/27/02	SFC	2	a
OROVILLE FISHING POND	07/24/02	SFC	14	a
OROVILLE FISHING POND	08/22/02	SFC	7	a
OROVILLE FISHING POND	09/18/02	SFC	<1	trace
OROVILLE FISHING POND	10/23/02	SFC	3	a
OROVILLE FISHING POND	11/14/02	SFC	4	
OROVILLE FISHING POND	12/19/02	SFC	4	a
OROVILLE FISHING POND	01/21/03	SFC	6	a
OROVILLE FISHING POND	02/10/03	SFC	4	a
OROVILLE FISHING POND	03/26/03	SFC	4	a
OROVILLE FISHING POND	04/24/03	SFC	7	a
OROVILLE FISHING POND	06/03/03	SFC	2	a
OROVILLE FISHING POND	06/25/03	SFC	2	a
OROVILLE FISHING POND	07/24/03	SFC	5	a
OROVILLE FISHING POND	08/21/03	SFC	2	trace
OROVILLE FISHING POND	09/22/03	SFC	2	a
OROVILLE FISHING POND	10/20/03	SFC	8	a
OROVILLE FISHING POND	11/18/03	SFC	2	trace
OROVILLE FISHING POND	12/16/03	SFC	4	a
OROVILLE FISHING POND	01/13/04	SFC	5	a
OROVILLE FISHING POND	02/10/04	SFC	3	a
OROVILLE FISHING POND	03/10/04	SFC	1	trace
OROVILLE FISHING POND	04/07/04	SFC	2	trace
ROBINSON RIFFLE POND	05/30/02	SFC	5	a
ROBINSON RIFFLE POND	06/27/02	SFC		-

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
ROBINSON RIFFLE POND	07/24/02	SFC		2
ROBINSON RIFFLE POND	08/22/02	SFC	45	
ROBINSON RIFFLE POND	09/18/02	SFC	50	4.9
ROBINSON RIFFLE POND	09/18/02	1		8.8
ROBINSON RIFFLE POND	10/23/02	SFC	42	7
ROBINSON RIFFLE POND	11/14/02	SFC	5	
ROBINSON RIFFLE POND	12/19/02	SFC	4	0.1
ROBINSON RIFFLE POND	01/21/03	SFC	<1	a
ROBINSON RIFFLE POND	02/10/03	SFC	3	trace
ROBINSON RIFFLE POND	03/26/03	SFC	4	a
ROBINSON RIFFLE POND	04/24/03	SFC		0.1
ROBINSON RIFFLE POND	06/03/03	SFC	40	1.0
ROBINSON RIFFLE POND	06/25/03	SFC	148	8
ROBINSON RIFFLE POND	07/24/03	SFC	32	
ROBINSON RIFFLE POND	08/21/03	SFC	95	13
ROBINSON RIFFLE POND	09/22/03	SFC	55	2
ROBINSON RIFFLE POND	10/20/03	SFC	80	8.5
ROBINSON RIFFLE POND	11/18/03	SFC	47	0.2
ROBINSON RIFFLE POND	12/16/03	SFC	12	0.3
ROBINSON RIFFLE POND	01/13/04	SFC	<1	a
ROBINSON RIFFLE POND	02/10/04	SFC	2	a
ROBINSON RIFFLE POND	03/10/04	SFC	<1	a
ROBINSON RIFFLE POND	04/07/04	SFC	64	1.5
Thermalito Forebay Creek, north	09/19/02	0.15	5	a
Thermalito Forebay Creek, north	10/21/02	0.15	7	a
Thermalito Forebay Creek, north	11/19/02	0.15	2	a
Thermalito Forebay Creek, north	12/12/02	0.15	2	a
Thermalito Forebay Creek, north	01/13/03	0.15	51	0.2

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Thermalito Forebay Creek, north	02/26/03	0.15	<1	a
Thermalito Forebay Creek, north	03/19/03	0.15	<1	a
Thermalito Forebay Creek, north	04/14/03	0.15	2	a
Thermalito Forebay Creek, north	05/20/03	0.15	2	a
Thermalito Forebay Creek, north	06/23/03	0.15	4	a
Thermalito Forebay Creek, north	07/22/03	0.15	4	a
Thermalito Forebay Creek, north	08/25/03	0.15	<5	a
Thermalito Forebay Creek, north	09/22/03	0.15	2	a
Thermalito Forebay Creek, north	10/20/03	0.15	<1	a
Thermalito Forebay Creek, north	11/17/03	0.15	2	a
Thermalito Forebay Creek, north	12/15/03	0.15	17	trace
Thermalito Forebay Creek, north	01/21/04	0.15	2	a
Thermalito Forebay Creek, north	02/03/04	0.15	6	a
Thermalito Forebay Creek, north	02/16/04	0.15	39	0.1
Thermalito Forebay Creek, north	02/23/04	0.15	3	a
Thermalito Forebay Creek, north	03/22/04	0.15	<1	trace
Thermalito Forebay Creek, north	04/19/04	0.15	<1	trace
Glen Creek US Glen Pond	03/28/02	0.15	2	
Glen Creek US Glen Pond	04/22/02	0.15	<1	a
Glen Creek US Glen Pond	05/21/02	0.15	2	trace
Glen Creek US Glen Pond	06/18/02	0.15	9	0.2
Glen Creek US Glen Pond	07/15/02	0.15	14	0.2
Glen Creek US Glen Pond	08/13/02	0.15	14	0.3
Glen Creek US Glen Pond	09/16/02	0.15		trace
Glen Creek US Glen Pond	10/28/02	0.15	8	0.3
Glen Creek US Glen Pond	11/22/02	0.15	<1	
Glen Creek US Glen Pond	12/16/03	0.15	14	trace
Glen Creek US Glen Pond	01/13/03	0.15	28	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Glen Creek US Glen Pond	02/25/03	0.15	<1	a
Glen Creek US Glen Pond	03/18/03	0.15	3	a
Glen Creek US Glen Pond	04/18/03	0.15	4	a
Glen Creek US Glen Pond	06/24/03	0.15	8	
Glen Creek US Glen Pond	08/26/03	0.15	12	
Glen Creek US Glen Pond	09/23/03	0.15	2	
Glen Creek US Glen Pond	10/22/03	0.15	5	
Glen Creek US Glen Pond	11/19/03	0.15	3	a
Glen Creek US Glen Pond	12/15/03	0.15	<1	trace
Glen Creek US Glen Pond	01/19/04	0.15	<1	a
Glen Creek US Glen Pond	02/16/04	0.15	9	trace
Glen Creek US Glen Pond	02/24/04	0.15	8	trace
Glen Creek US Glen Pond	03/24/04	0.15	9	a
Glen Creek US Glen Pond	04/19/04	0.15	<1	a
Glen Pond	03/28/02	0.15	11	
Glen Pond	04/22/02	0.15	3	trace
Glen Pond	05/22/02	0.15	40	trace
Glen Pond	06/18/02	0.15	4	trace
Glen Pond	07/22/02	0.15	6	trace
Glen Pond	08/20/02	0.15	4	a
Glen Pond	09/24/02	0.15	23	0.2
Glen Pond	10/02/02	0.15	2	
Glen Pond	10/28/02	0.15		trace
Glen Pond	11/22/02	0.15	5	
Glen Pond	12/16/02	0.15	14	trace
Glen Pond	01/13/03	0.15	6	trace
Glen Pond	02/25/03	0.15	4	a
Glen Pond	03/18/03	0.15	5	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Glen Pond	04/18/03	0.15	7	a
Glen Pond	06/24/03	0.15	13	
Glen Pond	08/26/03	0.15	8	
Glen Pond	09/23/03	0.15	14	
Glen Pond	10/22/03	0.15	5	
Glen Pond	11/17/03	0.15	2	a
Glen Pond	12/15/03	0.15	12	trace
Glen Pond	01/19/04	0.15	<1	a
Glen Pond	02/16/04	0.15	2	trace
Glen Pond	02/24/04	0.15	3	a
Glen Pond	03/24/04	0.15	4	trace
Glen Pond	04/19/04	0.15	8	trace
Morris Ravine A Mouth	08/26/03		47	
Morris Ravine A Mouth	09/23/03	0.15	7	
Morris Ravine A Mouth	10/20/03	0.15	<1	
Morris Ravine A Mouth	11/17/03	0.15	4	trace
Morris Ravine A Mouth	12/15/03	0.15		a
Morris Ravine A Mouth	01/19/04	0.15	<1	a
Morris Ravine A Mouth	02/03/04	0.15	48	0.1
Morris Ravine A Mouth	02/16/04	0.15	44	trace
Morris Ravine A Mouth	02/23/04	0.15	77	
Morris Ravine A Mouth	03/24/04	0.15	<1	a
Morris Ravine A Mouth	04/20/04	0.15	6	a
Feather R Hatchery Settling Pond	05/21/02		<1	trace
Feather R Hatchery Settling Pond	06/25/02		<1	a
Feather R Hatchery Settling Pond	07/24/02		5	trace
Feather R Hatchery Settling Pond	08/21/02		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R Hatchery Settling Pond	09/25/02		1	a
Feather R Hatchery Settling Pond	10/22/02		2	trace
Feather R Hatchery Settling Pond	11/14/02		7	
Feather R Hatchery Settling Pond	12/11/02		2	a
Feather R Hatchery Settling Pond	12/17/02		7	a
Feather R Hatchery Settling Pond	01/14/03		2	a
Feather R Hatchery Settling Pond	02/20/03		<1	a
Feather R Hatchery Settling Pond	03/19/03		2	a
Feather R Hatchery Settling Pond	04/17/03		9	trace
Feather R Hatchery Settling Pond	05/15/03		4	a
Feather R Hatchery Settling Pond	06/17/03		<1	a
Feather R Hatchery Settling Pond	07/08/03		2	a
Feather R Hatchery Settling Pond	08/11/03		2	a
Feather R Hatchery Settling Pond	09/17/03		<1	a
Feather R Hatchery Settling Pond	10/27/03		2	a
Feather R Hatchery Settling Pond	11/17/03		2	a
Feather R Hatchery Settling Pond	12/15/03		1	trace
Feather R Hatchery Settling Pond	01/13/04		2	a
Feather R Hatchery Settling Pond	02/03/04		2	a
Feather R Hatchery Settling Pond	02/10/04		4	a
Feather R Hatchery Settling Pond	02/19/04		29	trace
Feather R Hatchery Settling Pond	03/10/04		4	a
Feather R Hatchery Settling Pond	04/06/04		1	a
Feather R DS Diversion Dam	03/26/02		1	a
Feather R A Oroville	03/26/02		2	a
Feather R A Oroville	04/24/02		1	
Feather R A Oroville	05/21/02		<1	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R A Oroville	06/25/02		<1	a
Feather R A Oroville	07/24/02		<1	a
Feather R A Oroville	08/21/02		2	a
Feather R A Oroville	09/25/02		5	trace
Feather R A Oroville	10/22/02		3	a
Feather R A Oroville	11/14/02		13	
Feather R A Oroville	12/11/02		5	a
Feather R A Oroville	12/17/02		3	a
Feather R A Oroville	01/14/03		5	trace
Feather R A Oroville	02/20/03		4	a
Feather R A Oroville	03/19/03		3	a
Feather R A Oroville	04/17/03		8	a
Feather R A Oroville	05/15/03		2	a
Feather R A Oroville	06/17/03		2	a
Feather R A Oroville	07/08/03		3	a
Feather R A Oroville	08/11/03		2	a
Feather R A Oroville	09/17/03		2	a
Feather R A Oroville	10/27/03		2	a
Feather R A Oroville	11/17/03		1	a
Feather R A Oroville	12/15/03		<1	trace
Feather R A Oroville	01/13/04		<1	a
Feather R A Oroville	02/03/04		1	a
Feather R A Oroville	02/10/04		3	a
Feather R A Oroville	02/19/04		21	0.1
Feather R A Oroville	03/10/04		1	trace
Feather R A Oroville	04/06/04		<1	a
Feather R US from Hatchery	03/26/02		2	a
Feather R US from Hatchery	04/24/02		<1	

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R US from Hatchery	05/21/02		<1	a
Feather R US from Hatchery	06/25/02		<1	a
Feather R US from Hatchery	07/24/02		1	a
Feather R US from Hatchery	08/21/02		1	a
Feather R US from Hatchery	09/25/02		2	trace
Feather R US from Hatchery	10/22/02		2	a
Feather R US from Hatchery	11/05/02		1.4	
Feather R US from Hatchery	11/14/02		5	
Feather R US from Hatchery	12/11/02		4	a
Feather R US from Hatchery	12/17/02		2	a
Feather R US from Hatchery	01/14/03		5	a
Feather R US from Hatchery	02/20/03		<1	a
Feather R US from Hatchery	03/19/03		2	a
Feather R US from Hatchery	04/17/03		1	a
Feather R US from Hatchery	05/15/03		2	0.2
Feather R US from Hatchery	06/17/03		<1	a
Feather R US from Hatchery	07/08/03		1	a
Feather R US from Hatchery	08/11/03		<1	a
Feather R US from Hatchery	09/17/03		2	a
Feather R US from Hatchery	10/27/03		2	a
Feather R US from Hatchery	11/17/03		<1	a
Feather R US from Hatchery	12/15/03		<1	a
Feather R US from Hatchery	01/13/04		2	trace
Feather R US from Hatchery	02/03/04		<1	a
Feather R US from Hatchery	02/10/04		1	a
Feather R US from Hatchery	02/19/04		16	a
Feather R US from Hatchery	02/27/04		2	a
Feather R US from Hatchery	03/10/04		1	a
Feather R US from Hatchery	04/06/04		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from Hatchery	03/26/02		1	a
Feather R DS from Hatchery	04/24/02		<1	
Feather R DS from Hatchery	05/21/02		1	a
Feather R DS from Hatchery	06/25/02		<1	a
Feather R DS from Hatchery	07/24/02		2	a
Feather R DS from Hatchery	08/21/02		5	a
Feather R DS from Hatchery	09/25/02		6	a
Feather R DS from Hatchery	10/22/02		2	a
Feather R DS from Hatchery	11/14/02		33	
Feather R DS from Hatchery	12/11/02		5	a
Feather R DS from Hatchery	12/17/02		8	trace
Feather R DS from Hatchery	01/14/03		<1	0.2
Feather R DS from Hatchery	02/20/03		<1	a
Feather R DS from Hatchery	03/19/03		2	a
Feather R DS from Hatchery	04/17/03		5	a
Feather R DS from Hatchery	05/15/03		2	a
Feather R DS from Hatchery	06/17/03		2	a
Feather R DS from Hatchery	07/08/03		<1	a
Feather R DS from Hatchery	08/11/03		2	a
Feather R DS from Hatchery	09/17/03		4	a
Feather R DS from Hatchery	10/27/03		2	a
Feather R DS from Hatchery	11/17/03		<1	a
Feather R DS from Hatchery	12/15/03		6	trace
Feather R DS from Hatchery	01/13/04		1	a
Feather R DS from Hatchery	02/03/04		4	
Feather R DS from Hatchery	02/10/04		4	a
Feather R DS from Hatchery	02/19/04		8	a
Feather R DS from Hatchery	03/10/04		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from Hatchery	04/06/04		<1	a
Feather R DS from Hwy 162	03/26/02		<1	a
Feather R DS from Hwy 162	04/24/02		<1	
Feather R DS from Hwy 162	05/21/02		1	a
Feather R DS from Hwy 162	06/25/02		3	a
Feather R DS from Hwy 162	07/24/02		2	a
Feather R DS from Hwy 162	08/21/02		3	a
Feather R DS from Hwy 162	09/25/02		4	a
Feather R DS from Hwy 162	10/22/02		2	a
Feather R DS from Hwy 162	11/14/02		8	
Feather R DS from Hwy 162	12/11/02		3	a
Feather R DS from Hwy 162	12/17/02		13	a
Feather R DS from Hwy 162	01/14/03		3	a
Feather R DS from Hwy 162	02/20/03		1	a
Feather R DS from Hwy 162	03/19/03		3	a
Feather R DS from Hwy 162	04/17/03		2	a
Feather R DS from Hwy 162	05/15/03		<1	a
Feather R DS from Hwy 162	06/17/03		2	a
Feather R DS from Hwy 162	07/08/03		3	a
Feather R DS from Hwy 162	08/11/03		2	a
Feather R DS from Hwy 162	09/17/03		2	a
Feather R DS from Hwy 162	10/27/03		2	a
Feather R DS from Hwy 162	11/17/03		<1	a
Feather R DS from Hwy 162	12/15/03		<1	a
Feather R DS from Hwy 162	01/13/04		3	a
Feather R DS from Hwy 162	02/03/04		2	trace
Feather R DS from Hwy 162	02/10/04		2	trace
Feather R DS from Hwy 162	02/19/04		5	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from Hwy 162	03/10/04		1	a
Feather R DS from Hwy 162	04/06/04		1	a
Feather R A Robinson Riffle	03/26/02		<1	a
Feather R A Robinson Riffle	04/24/02		<1	
Feather R A Robinson Riffle	05/21/02		1	a
Feather R A Robinson Riffle	06/25/02		4	a
Feather R A Robinson Riffle	07/24/02		<1	a
Feather R A Robinson Riffle	08/21/02		1	a
Feather R A Robinson Riffle	09/25/02		3	a
Feather R A Robinson Riffle	10/22/02		2	a
Feather R A Robinson Riffle	11/14/02		3	
Feather R A Robinson Riffle	12/11/02		2	a
Feather R A Robinson Riffle	12/17/02		2	a
Feather R A Robinson Riffle	01/14/03		5	a
Feather R A Robinson Riffle	02/20/03		2	a
Feather R A Robinson Riffle	03/19/03		2	a
Feather R A Robinson Riffle	04/17/03		3	a
Feather R A Robinson Riffle	05/15/03		2	a
Feather R A Robinson Riffle	06/17/03		2	a
Feather R A Robinson Riffle	07/08/03		2	a
Feather R A Robinson Riffle	08/11/03		2	a
Feather R A Robinson Riffle	09/17/03		2	a
Feather R A Robinson Riffle	10/27/03		2	a
Feather R A Robinson Riffle	11/17/03		13	a
Feather R A Robinson Riffle	12/15/03		<1	a
Feather R A Robinson Riffle	01/13/04		4	a
Feather R A Robinson Riffle	02/03/04		2	
Feather R A Robinson Riffle	02/10/04		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R A Robinson Riffle	02/19/04		6	trace
Feather R A Robinson Riffle	03/10/04		3	a
Feather R A Robinson Riffle	04/06/04		2	a
Feather R US from Afterbay Outlet	03/26/02		2	a
Feather R US from Afterbay Outlet	04/24/02		2	
Feather R US from Afterbay Outlet	05/21/02		2	a
Feather R US from Afterbay Outlet	06/25/02		2	a
Feather R US from Afterbay Outlet	07/24/02		<1	a
Feather R US from Afterbay Outlet	08/21/02		3	a
Feather R US from Afterbay Outlet	09/25/02		2	a
Feather R US from Afterbay Outlet	10/22/02		2	a
Feather R US from Afterbay Outlet	11/14/02		3	
Feather R US from Afterbay Outlet	12/11/02		3	a
Feather R US from Afterbay Outlet	12/17/02		3	a
Feather R US from Afterbay Outlet	01/14/03		2	trace
Feather R US from Afterbay Outlet	02/20/03		<1	a
Feather R US from Afterbay Outlet	03/19/03		4	a
Feather R US from Afterbay Outlet	04/17/03		5	a
Feather R US from Afterbay Outlet	05/15/03		2	a
Feather R US from Afterbay Outlet	06/17/03		1	a
Feather R US from Afterbay Outlet	07/08/03		<1	
Feather R US from Afterbay Outlet	08/11/03		2	a
Feather R US from Afterbay Outlet	09/17/03		2	a
Feather R US from Afterbay Outlet	10/27/03		2	a
Feather R US from Afterbay Outlet	11/17/03		<1	a
Feather R US from Afterbay Outlet	12/15/03		<1	a
Feather R US from Afterbay Outlet	01/13/04		1	a
Feather R US from Afterbay Outlet	02/03/04		<1	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R US from Afterbay Outlet	02/10/04		<1	a
Feather R US from Afterbay Outlet	02/19/04		7	a
Feather R US from Afterbay Outlet	02/27/04		6	a
Feather R US from Afterbay Outlet	03/10/04		<1	trace
Feather R US from Afterbay Outlet	04/06/04		1	a
Feather R DS from Afterbay Outlet	03/26/02		3	a
Feather R DS from Afterbay Outlet	04/24/02		<1	
Feather R DS from Afterbay Outlet	05/21/02		6	trace
Feather R DS from Afterbay Outlet	06/25/02		8	a
Feather R DS from Afterbay Outlet	07/24/02		3	a
Feather R DS from Afterbay Outlet	08/21/02		3	a
Feather R DS from Afterbay Outlet	09/25/02		1	a
Feather R DS from Afterbay Outlet	10/22/02		3	a
Feather R DS from Afterbay Outlet	11/14/02		4	
Feather R DS from Afterbay Outlet	12/11/02		2	a
Feather R DS from Afterbay Outlet	12/17/02		<1	a
Feather R DS from Afterbay Outlet	01/14/03		2	a
Feather R DS from Afterbay Outlet	02/20/03		6	a
Feather R DS from Afterbay Outlet	03/19/03		4	a
Feather R DS from Afterbay Outlet	04/17/03		3	a
Feather R DS from Afterbay Outlet	05/15/03		2	a
Feather R DS from Afterbay Outlet	06/17/03		2	a
Feather R DS from Afterbay Outlet	07/08/03		2	a
Feather R DS from Afterbay Outlet	08/11/03		4	a
Feather R DS from Afterbay Outlet	09/17/03		4	a
Feather R DS from Afterbay Outlet	10/27/03		3	a
Feather R DS from Afterbay Outlet	11/17/03		<1	a
Feather R DS from Afterbay Outlet	12/15/03		5	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from Afterbay Outlet	01/13/04		<1	trace
Feather R DS from Afterbay Outlet	02/03/04		8	
Feather R DS from Afterbay Outlet	02/10/04		3	a
Feather R DS from Afterbay Outlet	02/19/04		10	trace
Feather R DS from Afterbay Outlet	02/27/04		10	trace
Feather R DS from Afterbay Outlet	03/10/04		3	a
Feather R DS from Afterbay Outlet	04/06/04		4	trace
Feather R DS from SCOR Outlet	03/26/02		4	trace
Feather R DS from SCOR Outlet	04/24/02		4	
Feather R DS from SCOR Outlet	05/21/02		7	trace
Feather R DS from SCOR Outlet	06/25/02		6	a
Feather R DS from SCOR Outlet	07/24/02		1	a
Feather R DS from SCOR Outlet	08/21/02		4	a
Feather R DS from SCOR Outlet	09/25/02		4	trace
Feather R DS from SCOR Outlet	10/22/02		1	a
Feather R DS from SCOR Outlet	11/14/02		2	
Feather R DS from SCOR Outlet	12/11/02		2	a
Feather R DS from SCOR Outlet	12/17/02		2	trace
Feather R DS from SCOR Outlet	01/14/03		3	trace
Feather R DS from SCOR Outlet	02/20/03		7	a
Feather R DS from SCOR Outlet	03/19/03		6	a
Feather R DS from SCOR Outlet	04/17/03		3	a
Feather R DS from SCOR Outlet	05/15/03		5	a
Feather R DS from SCOR Outlet	06/17/03		2	a
Feather R DS from SCOR Outlet	07/08/03		7	a
Feather R DS from SCOR Outlet	08/11/03		2	a
Feather R DS from SCOR Outlet	09/17/03		4	a
Feather R DS from SCOR Outlet	10/27/03		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from SCOR Outlet	11/17/03		3	a
Feather R DS from SCOR Outlet	12/15/03		5	a
Feather R DS from SCOR Outlet	01/13/04		5	a
Feather R DS from SCOR Outlet	02/03/04		2	a
Feather R DS from SCOR Outlet	02/10/04		4	a
Feather R DS from SCOR Outlet	02/19/04		10	trace
Feather R DS from SCOR Outlet	03/10/04		6	trace
Feather R DS from SCOR Outlet	04/06/04		2	a
Feather R NR Mile Long Pond	03/26/02		3	a
Feather R NR Mile Long Pond	04/24/02		1	
Feather R NR Mile Long Pond	05/21/02		5	trace
Feather R NR Mile Long Pond	06/25/02		6	a
Feather R NR Mile Long Pond	07/24/02		2	a
Feather R NR Mile Long Pond	08/21/02		3	1.0
Feather R NR Mile Long Pond	09/25/02		<1	a
Feather R NR Mile Long Pond	10/22/02		2	trace
Feather R NR Mile Long Pond	11/14/02		1	
Feather R NR Mile Long Pond	12/11/02		6	a
Feather R NR Mile Long Pond	12/17/02		3	a
Feather R NR Mile Long Pond	01/14/03		2	a
Feather R NR Mile Long Pond	02/20/03		6	a
Feather R NR Mile Long Pond	03/19/03		3	a
Feather R NR Mile Long Pond	04/17/03		2	a
Feather R NR Mile Long Pond	05/15/03		4	a
Feather R NR Mile Long Pond	06/17/03		2	a
Feather R NR Mile Long Pond	07/08/03		4	
Feather R NR Mile Long Pond	08/11/03		2	a
Feather R NR Mile Long Pond	09/17/03		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R NR Mile Long Pond	10/27/03		4	a
Feather R NR Mile Long Pond	11/17/03		1	a
Feather R NR Mile Long Pond	12/15/03		<1	a
Feather R NR Mile Long Pond	01/13/04		2	a
Feather R NR Mile Long Pond	02/03/04		2	a
Feather R NR Mile Long Pond	02/10/04		4	a
Feather R NR Mile Long Pond	02/19/04		11	a
Feather R NR Mile Long Pond	03/10/04		4	
Feather R NR Mile Long Pond	04/06/04		3	a
Feather R DS from Project Boundary	03/26/02		3	a
Feather R DS from Project Boundary	04/24/02		8	
Feather R DS from Project Boundary	05/21/02		6	trace
Feather R DS from Project Boundary	06/25/02		4	trace
Feather R DS from Project Boundary	07/24/02		3	a
Feather R DS from Project Boundary	08/21/02		5	a
Feather R DS from Project Boundary	09/25/02		10	a
Feather R DS from Project Boundary	10/22/02		4	a
Feather R DS from Project Boundary	11/14/02		4	
Feather R DS from Project Boundary	12/11/02		3	a
Feather R DS from Project Boundary	12/17/02		3	0.1
Feather R DS from Project Boundary	01/14/03		3	a
Feather R DS from Project Boundary	02/20/03		6	a
Feather R DS from Project Boundary	03/19/03		3	a
Feather R DS from Project Boundary	04/17/03		<1	a
Feather R DS from Project Boundary	05/15/03		7	a
Feather R DS from Project Boundary	06/17/03		4	a
Feather R DS from Project Boundary	07/08/03		5	a
Feather R DS from Project Boundary	08/11/03		5	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R DS from Project Boundary	09/17/03		2	a
Feather R DS from Project Boundary	10/27/03		3	a
Feather R DS from Project Boundary	11/17/03		6	a
Feather R DS from Project Boundary	12/15/03		2	a
Feather R DS from Project Boundary	01/13/04		<1	a
Feather R DS from Project Boundary	02/03/04		1	a
Feather R DS from Project Boundary	02/10/04		4	a
Feather R DS from Project Boundary	02/19/04		17	0.1
Feather R DS from Project Boundary	02/27/04		21	trace
Feather R DS from Project Boundary	03/10/04		4	a
Feather R DS from Project Boundary	04/06/04		4	a
Feather R A Singh AB Riviera RD	03/26/02		2	a
Feather R A Singh AB Riviera RD	04/24/02		10	
Feather R A Singh AB Riviera RD	05/21/02		6	trace
Feather R A Singh AB Riviera RD	06/25/02		5	trace
Feather R A Singh AB Riviera RD	07/24/02		4	a
Feather R A Singh AB Riviera RD	08/21/02		4	trace
Feather R A Singh AB Riviera RD	09/25/02		2	trace
Feather R A Singh AB Riviera RD	10/22/02		1	a
Feather R A Singh AB Riviera RD	11/14/02		3	
Feather R A Singh AB Riviera RD	12/11/02		2	trace
Feather R A Singh AB Riviera RD	12/17/02		5	0.2
Feather R A Singh AB Riviera RD	01/14/03		2	a
Feather R A Singh AB Riviera RD	02/20/03		7	a
Feather R A Singh AB Riviera RD	03/19/03		2	trace
Feather R A Singh AB Riviera RD	04/17/03		3	a
Feather R A Singh AB Riviera RD	05/15/03		3	a
Feather R A Singh AB Riviera RD	06/17/03		3	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R A Singh AB Riviera RD	07/08/03		5	a
Feather R A Singh AB Riviera RD	08/11/03		2	a
Feather R A Singh AB Riviera RD	09/17/03		4	a
Feather R A Singh AB Riviera RD	10/27/03		4	a
Feather R A Singh AB Riviera RD	11/17/03		4	a
Feather R A Singh AB Riviera RD	12/15/03		4	a
Feather R A Singh AB Riviera RD	01/13/04		4	a
Feather R A Singh AB Riviera RD	02/03/04		2	a
Feather R A Singh AB Riviera RD	02/10/04		4	a
Feather R A Singh AB Riviera RD	02/27/04		10	a
Feather R A Singh AB Riviera RD	03/10/04		3	trace
Feather R A Singh AB Riviera RD	04/06/04		5	a
Feather R A Archer Ave	03/27/02		5	a
Feather R A Archer Ave	04/24/02		9	
Feather R A Archer Ave	05/21/02		9	trace
Feather R A Archer Ave	06/25/02		5	a
Feather R A Archer Ave	07/24/02		4	a
Feather R A Archer Ave	08/21/02		15	2.0
Feather R A Archer Ave	09/25/02		5	trace
Feather R A Archer Ave	10/22/02		4	a
Feather R A Archer Ave	11/14/02		4	
Feather R A Archer Ave	12/11/02		2	a
Feather R A Archer Ave	12/17/02		12	trace
Feather R A Archer Ave	01/14/03		9	trace
Feather R A Archer Ave	02/20/03		5	a
Feather R A Archer Ave	03/19/03		3	a
Feather R A Archer Ave	04/17/03		12	a
Feather R A Archer Ave	05/15/03		7	trace

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R A Archer Ave	06/17/03		4	a
Feather R A Archer Ave	07/08/03		6	
Feather R A Archer Ave	08/11/03		2	a
Feather R A Archer Ave	09/17/03		2	a
Feather R A Archer Ave	10/27/03		9	a
Feather R A Archer Ave	11/17/03		<1	a
Feather R A Archer Ave	12/15/03		13	trace
Feather R A Archer Ave	01/13/04		2	trace
Feather R A Archer Ave	02/03/04		7	trace
Feather R A Archer Ave	02/10/04		15	trace
Feather R A Archer Ave	02/19/04		80	trace
Feather R A Archer Ave	03/10/04		14	a
Feather R A Archer Ave	04/06/04		6	
Feather R US from Yuba R	03/27/02		4	a
Feather R US from Yuba R	04/24/02		5	
Feather R US from Yuba R	05/21/02		17	0.1
Feather R US from Yuba R	06/25/02		11	trace
Feather R US from Yuba R	07/24/02		8	trace
Feather R US from Yuba R	08/21/02		9	1.0
Feather R US from Yuba R	09/25/02		6	trace
Feather R US from Yuba R	10/22/02		4	a
Feather R US from Yuba R	11/14/02		4	
Feather R US from Yuba R	12/11/02		1	trace
Feather R US from Yuba R	12/17/02		4	0.2
Feather R US from Yuba R	01/14/03		14	trace
Feather R US from Yuba R	02/20/03		14	0.1
Feather R US from Yuba R	03/19/03		4	a
Feather R US from Yuba R	04/17/03		4	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R US from Yuba R	05/15/03		6	trace
Feather R US from Yuba R	06/17/03		5	a
Feather R US from Yuba R	07/08/03		12	
Feather R US from Yuba R	08/11/03		6	a
Feather R US from Yuba R	09/17/03		7	a
Feather R US from Yuba R	10/27/03		6	a
Feather R US from Yuba R	11/17/03		4	a
Feather R US from Yuba R	12/15/03		14	trace
Feather R US from Yuba R	01/13/04		2	a
Feather R US from Yuba R	02/03/04		19	trace
Feather R US from Yuba R	02/10/04		5	trace
Feather R US from Yuba R	02/19/04		98	0.1
Feather R US from Yuba R	02/27/04		59	0.3
Feather R US from Yuba R	03/10/04		14	trace
Feather R US from Yuba R	04/06/04		13	trace
Feather R A Shanghai Bend	08/11/03		6	a
Feather R A Shanghai Bend	03/26/02		5	a
Feather R A Shanghai Bend	04/24/02		3	
Feather R A Shanghai Bend	05/21/02		14	trace
Feather R A Shanghai Bend	06/25/02		8	trace
Feather R A Shanghai Bend	07/24/02		8	a
Feather R A Shanghai Bend	08/21/02		19	a
Feather R A Shanghai Bend	09/25/02		5	trace
Feather R A Shanghai Bend	10/22/02		4	a
Feather R A Shanghai Bend	11/14/02		9	
Feather R A Shanghai Bend	12/11/02		5	a
Feather R A Shanghai Bend	12/17/02		41	0.2
Feather R A Shanghai Bend	01/14/03		16	0.1

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R A Shanghai Bend	02/20/03		17	0.1
Feather R A Shanghai Bend	03/19/03		<1	trace
Feather R A Shanghai Bend	04/17/03		4	a
Feather R A Shanghai Bend	05/15/03		6	a
Feather R A Shanghai Bend	06/17/03		4	trace
Feather R A Shanghai Bend	07/08/03		21	
Feather R A Shanghai Bend	09/17/03		26	a
Feather R A Shanghai Bend	10/27/03		4	
Feather R A Shanghai Bend	11/17/03		2	a
Feather R A Shanghai Bend	12/15/03		12	trace
Feather R A Shanghai Bend	01/13/04		5	a
Feather R A Shanghai Bend	02/03/04		11	
Feather R A Shanghai Bend	02/10/04		17	a
Feather R A Shanghai Bend	02/19/04		87	0.1
Feather R A Shanghai Bend	02/27/04		58	0.1
Feather R A Shanghai Bend	03/10/04		9	trace
Feather R A Shanghai Bend	04/06/04		10	a
Feather R NR Verona	03/27/02		14	trace
Feather R NR Verona	04/24/02		9	
Feather R NR Verona	05/21/02		5	trace
Feather R NR Verona	06/25/02		25	0.1
Feather R NR Verona	07/24/02		11	trace
Feather R NR Verona	08/21/02		4	a
Feather R NR Verona	09/25/02		8	a
Feather R NR Verona	10/22/02		5	a
Feather R NR Verona	11/14/02		4	
Feather R NR Verona	12/11/02		6	trace
Feather R NR Verona	12/17/02		33	0.1

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Feather R NR Verona	01/14/03		13	trace
Feather R NR Verona	02/20/03		17	0.1
Feather R NR Verona	03/19/03		12	a
Feather R NR Verona	04/17/03		11	a
Feather R NR Verona	05/15/03		11	a
Feather R NR Verona	06/17/03		6	a
Feather R NR Verona	07/08/03		14	a
Feather R NR Verona	08/11/03		8	a
Feather R NR Verona	09/17/03		11	trace
Feather R NR Verona	10/27/03		8	
Feather R NR Verona	11/17/03		4	a
Feather R NR Verona	12/15/03		7	trace
Feather R NR Verona	01/13/04		103	a
Feather R NR Verona	02/03/04		9	trace
Feather R NR Verona	02/10/04		3	a
Feather R NR Verona	02/19/04		48	trace
Feather R NR Verona	02/27/04		24	a
Feather R NR Verona	03/10/04		10	trace
Feather R NR Verona	04/06/04		14	trace
Bear R NR Mouth	03/27/02		20	trace
Bear R NR Mouth	04/24/02		18	
Bear R NR Mouth	05/21/02		33	0.1
Bear R NR Mouth	06/25/02		13	trace
Bear R NR Mouth	07/24/02		13	trace
Bear R NR Mouth	08/21/02		11	trace
Bear R NR Mouth	09/25/02		4	a
Bear R NR Mouth	10/22/02		15	a
Bear R NR Mouth	11/14/02		8	

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Bear R NR Mouth	12/11/02		8	trace
Bear R NR Mouth	12/17/02		23	0.1
Bear R NR Mouth	01/14/03		19	trace
Bear R NR Mouth	02/20/03		12	a
Bear R NR Mouth	03/19/03		<1	a
Bear R NR Mouth	04/17/03		31	a
Bear R NR Mouth	05/15/03		11	a
Bear R NR Mouth	06/17/03		17	a
Bear R NR Mouth	07/08/03		17	a
Bear R NR Mouth	08/11/03		8	a
Bear R NR Mouth	09/17/03		27	0.2
Bear R NR Mouth	10/27/03		10	a
Bear R NR Mouth	11/17/03		9	a
Bear R NR Mouth	12/15/03		44	0.1
Bear R NR Mouth	01/13/04		18	trace
Bear R NR Mouth	02/03/04		57	0.1
Bear R NR Mouth	02/10/04		13	a
Bear R NR Mouth	02/19/04		57	0.1
Bear R NR Mouth	03/10/04		14	trace
Bear R NR Mouth	04/06/04		8	trace
Yuba R A Mouth	03/27/02		3	a
Yuba R A Mouth	04/24/02		2	
Yuba R A Mouth	05/21/02		<1	a
Yuba R A Mouth	06/25/02		<1	a
Yuba R A Mouth	07/24/02		2	a
Yuba R A Mouth	08/21/02		3	trace
Yuba R A Mouth	09/25/02		8	trace
Yuba R A Mouth	10/22/02		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Yuba R A Mouth	11/14/02		<0.1	
Yuba R A Mouth	12/11/02		2	a
Yuba R A Mouth	12/17/02		14	trace
Yuba R A Mouth	01/14/03		4	trace
Yuba R A Mouth	02/20/03		6	a
Yuba R A Mouth	03/19/03		7	a
Yuba R A Mouth	04/17/03		4	0.2
Yuba R A Mouth	05/15/03		20	0.1
Yuba R A Mouth	06/17/03		4	a
Yuba R A Mouth	07/08/03		2	
Yuba R A Mouth	08/11/03		17	a
Yuba R A Mouth	09/17/03		2	a
Yuba R A Mouth	10/27/03		5	a
Yuba R A Mouth	11/17/03		5	a
Yuba R A Mouth	12/15/03		3	a
Yuba R A Mouth	01/13/04		4	a
Yuba R A Mouth	02/03/04		3	
Yuba R A Mouth	02/10/04		2	a
Yuba R A Mouth	02/19/04		18	trace
Yuba R A Mouth	02/27/04		16	a
Yuba R A Mouth	03/10/04		7	a
Yuba R A Mouth	04/06/04		<1	trace
Honcut C A Pacific Ranch NR Palermo	03/27/02		9	a
Honcut C A Pacific Ranch NR Palermo	04/24/02		5	
Honcut C A Pacific Ranch NR Palermo	05/21/02		7	a
Honcut C A Pacific Ranch NR Palermo	06/25/02		2	a
Honcut C A Pacific Ranch NR Palermo	07/24/02		2	a
Honcut C A Pacific Ranch NR Palermo	08/21/02		2	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Honcut C A Pacific Ranch NR Palermo	09/25/02		4	a
Honcut C A Pacific Ranch NR Palermo	10/22/02		1	a
Honcut C A Pacific Ranch NR Palermo	11/14/02		4	
Honcut C A Pacific Ranch NR Palermo	12/11/02		12	0.2
Honcut C A Pacific Ranch NR Palermo	12/17/02		25	0.2
Honcut C A Pacific Ranch NR Palermo	01/14/03		16	trace
Honcut C A Pacific Ranch NR Palermo	02/20/03		6	a
Honcut C A Pacific Ranch NR Palermo	03/19/03		4	a
Honcut C A Pacific Ranch NR Palermo	04/17/03		6	a
Honcut C A Pacific Ranch NR Palermo	05/15/03		5	a
Honcut C A Pacific Ranch NR Palermo	06/17/03		4	a
Honcut C A Pacific Ranch NR Palermo	07/08/03		<1	a
Honcut C A Pacific Ranch NR Palermo	08/11/03		2	a
Honcut C A Pacific Ranch NR Palermo	09/17/03		4	a
Honcut C A Pacific Ranch NR Palermo	10/27/03		3	a
Honcut C A Pacific Ranch NR Palermo	11/17/03		4	a
Honcut C A Pacific Ranch NR Palermo	12/15/03		14	trace
Honcut C A Pacific Ranch NR Palermo	01/13/04		5	trace
Honcut C A Pacific Ranch NR Palermo	02/03/04		30	trace
Honcut C A Pacific Ranch NR Palermo	02/10/04		5	a
Honcut C A Pacific Ranch NR Palermo	02/19/04		53	0.2
Honcut C A Pacific Ranch NR Palermo	03/10/04		7	trace
Honcut C A Pacific Ranch NR Palermo	04/06/04		6	trace
Sacramento R US from Feather R	03/27/02		46	a
Sacramento R US from Feather R	04/24/02		25	
Sacramento R US from Feather R	05/21/02		32	trace
Sacramento R US from Feather R	06/25/02		12	trace
Sacramento R US from Feather R	07/24/02		15	a

Station Name	Date	Depth (meters)	Total Suspended Solids (mg/L)	Settleable Solids (mL/L)
Sacramento R US from Feather R	08/21/02			trace
Sacramento R US from Feather R	09/25/02		17	trace
Sacramento R US from Feather R	10/22/02		69	3.0
Sacramento R US from Feather R	11/14/02		30	
Sacramento R US from Feather R	12/11/02		20	a
Sacramento R US from Feather R	12/17/02			
Sacramento R US from Feather R	01/14/03		111	0.3
Sacramento R US from Feather R	02/20/03		132	a
Sacramento R US from Feather R	03/19/03		100	0.2
Sacramento R US from Feather R	04/17/03		70	8.1
Sacramento R US from Feather R	05/15/03		42	0.1
Sacramento R US from Feather R	06/17/03		34	a
Sacramento R US from Feather R	07/08/03		15	
Sacramento R US from Feather R	08/11/03		22	a
Sacramento R US from Feather R	09/17/03		38	0.1
Sacramento R US from Feather R	10/27/03		10	a
Sacramento R US from Feather R	11/17/03		18	a
Sacramento R US from Feather R	12/15/03		75	0.1
Sacramento R US from Feather R	01/13/04		52	0.1
Sacramento R US from Feather R	02/03/04		34	trace
Sacramento R US from Feather R	02/10/04		170	a
Sacramento R US from Feather R	02/19/04		193	trace
Sacramento R US from Feather R	03/10/04		41	trace
Sacramento R US from Feather R	04/06/04		37	trace

a = setteable solids at level too low to be measured

1 = trace amount is too little to be quantified, but can be seen

Appendix 10. Water Color.

Station Name	Date	Time (pst)	Color (color units)
SF Feather AB Ponderosa Res	03/28/02	0815	
SF Feather AB Ponderosa Res	04/23/02	0830	
SF Feather AB Ponderosa Res	05/16/02	1315	
SF Feather AB Ponderosa Res	06/17/02	1200	
SF Feather AB Ponderosa Res	07/15/02	1015	4
SF Feather AB Ponderosa Res	08/20/02	1430	2
SF Feather AB Ponderosa Res	09/24/02	1215	2
SF Feather AB Ponderosa Res	10/17/02	1115	2
SF Feather AB Ponderosa Res	11/12/02	1310	4
SF Feather AB Ponderosa Res	12/10/02	1000	6
SF Feather AB Ponderosa Res (storm)	12/16/02	1130	12
SF Feather AB Ponderosa Res	01/09/03	1500	4
SF Feather AB Ponderosa Res	02/18/03	1430	4
SF Feather AB Ponderosa Res	03/12/03	0930	0-10
SF Feather AB Ponderosa Res	04/15/03	0915	0-10
SF Feather AB Ponderosa Res	05/13/03	1130	0-10
SF Feather AB Ponderosa Res	06/11/03	0930	0-10
SF Feather AB Ponderosa Res	07/15/03	1235	0-10
SF Feather AB Ponderosa Res	08/19/03	0830	0-10
SF Feather AB Ponderosa Res	09/16/03	1015	0-10
SF Feather AB Ponderosa Res	10/16/03	0945	0-10
SF Feather AB Ponderosa Res	11/12/03	0930	25
SF Feather AB Ponderosa Res	12/09/03	0850	0-10
SF Feather AB Ponderosa Res	01/15/04	1130	30
SF Feather AB Ponderosa Res (storm)	02/03/04	1245	
SF Feather AB Ponderosa Res	02/18/04	1330	25-30
SF Feather AB Ponderosa Res	03/15/04	1010	10
SF Feather AB Ponderosa Res	04/13/04	0845	
SF Feather DS Ponderosa Res	01/09/03	1320	2
SF Feather DS Ponderosa Res	02/18/03	1245	4
SF Feather DS Ponderosa Res	03/12/03	1030	0-10
SF Feather DS Ponderosa Res	04/15/03	0815	0-10
SF Feather DS Ponderosa Res	05/13/03	1030	0-10
SF Feather DS Ponderosa Res	06/11/03	0830	0-10
SF Feather DS Ponderosa Res	07/15/03	1130	0-10
SF Feather DS Ponderosa Res	08/19/03	0740	0-10
SF Feather DS Ponderosa Res	09/16/03	1230	0-10

Station Name	Date	Time (pst)	Color (color units)
SF Feather DS Ponderosa Res	10/16/03	1100	0-10
SF Feather DS Ponderosa Res	11/12/03	1130	0-10
SF Feather DS Ponderosa Res	12/09/03	1025	0-10
SF Feather DS Ponderosa Res	01/14/03	1200	0-10
SF Feather DS Ponderosa Res (storm)	02/03/04	1115	0-10
SF Feather DS Ponderosa Res	02/18/04	1530	0-20
SF Feather DS Ponderosa Res	03/15/04	1220	15
SF Feather DS Ponderosa Res	04/13/04	0800	0-5
Sucker Run NR Forbestown	03/28/02	0900	
Sucker Run NR Forbestown	04/23/02	0945	
Sucker Run NR Forbestown	05/16/02	1215	
Sucker Run NR Forbestown	06/17/02	1300	
Sucker Run NR Forbestown	07/15/02	1120	3
Sucker Run NR Forbestown	08/20/02	1450	3
Sucker Run NR Forbestown	09/24/02	1420	3
Sucker Run NR Forbestown	10/17/02	1000	3
Sucker Run NR Forbestown	11/12/02	1430	4
Sucker Run NR Forbestown	12/09/02	1200	5
Sucker Run NR Forbestown	12/16/02	1330	15
Sucker Run NR Forbestown	01/09/03	1220	10
Sucker Run NR Forbestown	02/18/03	1215	2
Sucker Run NR Forbestown	03/12/03	1330	2
Sucker Run NR Forbestown	04/15/03	0730	0-10
Sucker Run NR Forbestown	05/13/03	0945	0-10
Sucker Run NR Forbestown	06/11/03	0800	0-10
Sucker Run NR Forbestown	07/14/03	1130	0-10
Sucker Run NR Forbestown	08/18/03	1310	0-10
Sucker Run NR Forbestown	09/15/03	1225	0-10
Sucker Run NR Forbestown	10/15/03	1315	0-5
Sucker Run NR Forbestown	11/12/03	1215	0-10
Sucker Run NR Forbestown	12/09/03	1000	0-10
Sucker Run NR Forbestown	01/14/04	1110	0-10
Sucker Run NR Forbestown (storm)	02/03/04	1040	25
Sucker Run NR Forbestown	02/18/04	1440	20-30
Sucker Run NR Forbestown	03/15/04	1145	15
Sucker Run NR Forbestown	04/13/04	0730	
Fall R US Feather Falls	03/28/02	1145	
Fall R US Feather Falls	04/22/02	1310	

Station Name	Date	Time (pst)	Color (color units)
Fall R US Feather Falls	05/16/02	0910	
Fall R US Feather Falls	06/18/02	0915	
Fall R US Feather Falls	07/15/02	1200	2
Fall R US Feather Falls	08/20/02	1100	2
Fall R US Feather Falls	09/24/02	1030	2
Fall R US Feather Falls	10/17/02	1300	2
Fall R US Feather Falls	11/13/02	1030	2
Fall R US Feather Falls	12/09/02	0930	10
Fall R US Feather Falls	12/16/02	0945	20
Fall R US Feather Falls	01/08/03	1100	5
Fall R US Feather Falls	02/18/03	1035	5
Fall R US Feather Falls	03/12/03	1045	5
Fall R US Feather Falls	04/15/03	1100	0-10
Fall R US Feather Falls	05/13/03	1000	0-10
Fall R US Feather Falls	06/11/03	1000	0-10
Fall R US Feather Falls	07/14/03	0830	0-10
Fall R US Feather Falls	08/18/03	1030	0-10
Fall R US Feather Falls	09/15/03	0950	0-10
Fall R US Feather Falls	10/15/03	1020	0-5
Fall R US Feather Falls	11/13/03	1115	0-10
Fall R US Feather Falls	12/09/03	1045	0-10
Fall R US Feather Falls	01/14/04	1230	0-10
Fall R US Feather Falls (storm)	02/03/04	1130	0-10
Fall R US Feather Falls	02/18/04	1050	10-15
Fall R US Feather Falls	03/15/04	1145	0-10
Fall R US Feather Falls	04/13/04	1000	
Feather R MF NR Merrimac	03/28/02	1530	
Feather R MF NR Merrimac	04/23/02	1145	
Feather R MF NR Merrimac	05/15/02	1300	
Feather R MF NR Merrimac	06/17/02	0945	
Feather R MF NR Merrimac	07/15/02	1330	1
Feather R MF NR Merrimac	08/20/02	1200	1
Feather R MF NR Merrimac	09/24/02	1530	1
Feather R MF NR Merrimac	10/17/02	0800	4
Feather R MF NR Merrimac	11/12/02	1010	3
Feather R MF NR Merrimac	12/10/02	1230	5
Feather R MF NR Merrimac	12/16/02		
Feather R MF NR Merrimac	01/09/03	1015	20
Feather R MF NR Merrimac	02/18/03	1000	10

Station Name	Date	Time (pst)	Color (color units)
Feather R MF NR Merrimac	03/12/03	1245	5
Feather R MF NR Merrimac	04/15/03	1200	0-10
Feather R MF NR Merrimac	05/13/03	0740	0-10
Feather R MF NR Merrimac	06/11/03	1200	0-10
Feather R MF NR Merrimac	07/15/03	0945	0-10
Feather R MF NR Merrimac	08/19/03	1115	0-10
Feather R MF NR Merrimac	09/16/03	0745	0-10
Feather R MF NR Merrimac	10/16/03	1300	0-10
Feather R MF NR Merrimac	11/12/03	0945	0-10
Feather R MF NR Merrimac	12/09/03	1220	0-10
Feather R MF NR Merrimac	01/14/04	0900	10-20
Feather R MF NR Merrimac (storm)	02/03/04	0820	0-5
Feather R MF NR Merrimac	02/18/04	1050	15-20
Feather R MF NR Merrimac	03/15/04	1420	25
Feather R MF NR Merrimac	04/13/04	1100	
NF Feather R DS Poe PH	03/28/02	1730	
NF Feather R DS Poe PH	05/15/02	0930	
NF Feather R DS Poe PH	06/17/02	0830	
NF Feather R US Poe PH	07/15/02	0745	2
NF Feather R US Poe PH	08/20/02	0900	2
NF Feather R US Poe PH	09/24/02	0900	3
NF Feather R US Poe PH	10/18/02	0945	3
NF Feather R US Poe PH	11/12/02	0930	2
NF Feather R US Poe PH	12/10/02	0900	5
NF Feather R US Poe PH	12/16/02	1015	4
NF Feather R US Poe PH	01/08/03	0745	2
NF Feather R US Poe PH	02/18/03	1045	3
NF Feather R US Poe PH	03/12/03	0900	
NF Feather R US Poe PH	04/15/03	0815	0-20
NF Feather R US Poe PH	05/13/03	0745	0-20
NF Feather R US Poe PH	06/11/03	0720	0-20
NF Feather R US Poe PH	07/15/03	0840	20
NF Feather R US Poe PH	08/19/03	0815	0-20
NF Feather R US Poe PH	09/16/03	0840	0-20
NF Feather R US Poe PH	10/16/03	0930	0-20
NF Feather R US Poe PH	11/12/03	1230	0-20
NF Feather R US Poe PH	12/09/03	0915	0-20
NF Feather R US Poe PH	01/14/04	0840	0-10

Station Name	Date	Time (pst)	Color (color units)
NF Feather R US Poe PH (storm)	02/03/04	0740	0-5
NF Feather R US Poe PH	02/18/04	0800	0-25
NF Feather R US Poe PH	03/15/04	0950	20
NF Feather R US Poe PH	04/13/04	0740	
Concow C A Jordan Hill RD.	03/28/02	1815	
Concow C A Jordan Hill RD.	04/23/02	1330	
Concow C A Jordan Hill RD.	05/15/02	0830	
Concow C A Jordan Hill RD.	06/17/02	0630	1
Concow C A Jordan Hill RD.	07/15/02	0645	1
Concow C A Jordan Hill RD.	08/20/02	0800	1
Concow C A Jordan Hill RD.	09/24/02	0800	2
Concow C A Jordan Hill RD.	10/18/02	0900	2
Concow C A Jordan Hill RD.	11/12/02	1150	5
Concow C A Jordan Hill RD.	12/10/02	1040	10
Concow C A Jordan Hill RD.	12/16/02	1230	15
Concow C A Jordan Hill RD.	01/08/03	0845	4
Concow C A Jordan Hill RD.	02/18/03	1230	3
Concow C A Jordan Hill RD.	03/12/03	1100	
Concow C A Jordan Hill RD.	04/15/03	1015	0-15
Concow C A Jordan Hill RD.	05/13/03	0930	0-20
Concow C A Jordan Hill RD.	06/11/03	0845	0-10
Concow C A Jordan Hill RD.	07/15/03	1035	0-10
Concow C A Jordan Hill RD.	08/19/03	0900	0-10
Concow C A Jordan Hill RD.	09/16/03	1015	0-20
Concow C A Jordan Hill RD.	10/16/03	1135	0-20
Concow C A Jordan Hill RD.	11/12/03	1400	0-20
Concow C A Jordan Hill RD.	12/09/03	1110	0-20
Concow C A Jordan Hill RD.	01/14/04	1020	15-25
Concow C A Jordan Hill RD. (storm)	02/03/04	0945	10
Concow C A Jordan Hill RD.	02/18/04	0940	0-20
Concow C A Jordan Hill RD.	03/15/04	1120	30
Concow C A Jordan Hill RD.	04/13/04	1000	
Poe PH Outflow	07/15/02	0800	
Poe PH Outflow	08/20/02	0930	1
Poe PH Outflow	09/24/02	0930	2
Poe PH Outflow	10/17/02	1010	2
Poe PH Outflow	11/12/02	1000	2
Poe PH Outflow	12/10/02	0945	1

Station Name	Date	Time (pst)	Color (color units)
Poe PH Outflow	12/16/02	1115	2
Poe PH Outflow	01/08/03	0810	1
Poe PH Outflow	02/18/03	1110	1
Poe PH Outflow	03/12/03	0950	1
Poe PH Outflow	04/15/03	0830	0-15
Poe PH Outflow	05/13/03	0815	0-20
Poe PH Outflow	06/11/03	0750	0-10
Poe PH Outflow	07/15/03	0920	0-10
Poe PH Outflow	08/19/03	0800	0-10
Poe PH Outflow	09/16/03	0915	0-20
Poe PH Outflow	10/16/03	1015	0-20
Poe PH Outflow	11/12/03	1300	0-20
Poe PH Outflow	12/09/03	1000	0-20
Poe PH Outflow	01/14/04	0915	20
Poe PH Outflow (storm)	02/03/04	0835	0
Poe PH Outflow	02/18/04	0830	0-25
Poe PH Outflow	03/15/04	1050	30
Poe PH Outflow	04/13/04	0830	
Miners Ranch Canal	08/20/02	1530	0-10
Miners Ranch Canal	09/24/02	1415	0-10
Miners Ranch Canal	10/17/02	1020	0-10
Miners Ranch Canal	11/12/02	1510	0-10
Miners Ranch Canal	12/09/02	1240	0-10
Miners Ranch Canal	12/16/02	1400	0-10
Miners Ranch Canal	01/09/03	1350	0-10
W Branch Feather River	08/20/02	0645	2
W Branch Feather River	09/24/02	0630	3
W Branch Feather River	10/18/02	0745	4
W Branch Feather River	11/12/02	1245	4
W Branch Feather River	12/10/02	1200	6
W Branch Feather River	12/16/02	1345	8
W Branch Feather River	01/08/03	1000	4
W Branch Feather River	02/18/03	1415	4
W Branch Feather River	03/12/03	1230	0-10
W Branch Feather River	04/15/03	1145	0-10
W Branch Feather River	05/13/03	1045	0-10
W Branch Feather River	06/11/03	1000	0-10
W Branch Feather River	07/15/03	1200	0-10

Station Name	Date	Time (pst)	Color (color units)
W Branch Feather River	08/19/03	1015	0-10
W Branch Feather River	09/16/03	1140	0-10
W Branch Feather River	10/16/03	1315	0-10
W Branch Feather River	11/12/03	1515	0-10
W Branch Feather River	12/09/03	1230	10
W Branch Feather River	01/14/04	1020	5-15
W Branch Feather River (storm)	02/03/04	1130	10
W Branch Feather River	02/18/04	1100	0-20
W Branch Feather River	03/15/04	1245	15
W Branch Feather River	04/13/04	1130	
Feather R A Oroville	03/26/02	0815	
Feather R A Oroville	04/24/02	0700	
Feather R A Oroville	05/21/02	0645	33
Feather R A Oroville	06/25/02	0645	0-20
Feather R A Oroville	07/24/02	0715	0-20
Feather R A Oroville	08/21/02	0830	0-20
Feather R A Oroville	09/25/02	0810	15
Feather R A Oroville	10/22/02	1010	0-20
Feather R A Oroville	11/05/02	0830	
Feather R A Oroville	11/14/02	0830	
Feather R A Oroville	12/11/02	0845	
Feather R A Oroville	12/17/02	0900	
Feather R A Oroville	01/14/03	0835	
Feather R A Oroville	02/20/03	0845	
Feather R A Oroville	03/19/03	0830	0-20
Feather R A Oroville	04/17/03	0845	0-15
Feather R A Oroville	05/15/03	0745	0-20
Feather R A Oroville	06/17/03	0645	5-15
Feather R A Oroville	07/08/03	0730	0-10
Feather R A Oroville	08/11/03	0700	0-10
Feather R A Oroville	09/17/03	0715	0-10
Feather R A Oroville	10/27/03	0830	0-5
Feather R A Oroville	11/17/03	0900	0-10
Feather R A Oroville	12/15/03	0810	10-12
Feather R A Oroville	01/13/04	0730	5-15
Feather R A Oroville	02/03/04	0715	0-15
Feather R A Oroville	02/10/04	0740	5-15
Feather R A Oroville	02/19/04	0745	20
Feather R A Oroville	03/10/04	0800	10

Station Name	Date	Time (pst)	Color (color units)
Feather R A Oroville	04/06/04	0700	10
Feather R US from Hatchery	03/26/02	0915	
Feather R US from Hatchery	04/24/02	0810	
Feather R US from Hatchery	05/21/02	0740	28
Feather R US from Hatchery	06/25/02	0745	0-20
Feather R US from Hatchery	07/24/02	0840	0-20
Feather R US from Hatchery	08/21/02	0910	0-20
Feather R US from Hatchery	09/25/02	0845	17
Feather R US from Hatchery	10/22/02	0700	0-20
Feather R US from Hatchery	11/05/02	0915	
Feather R US from Hatchery	11/14/02	1000	
Feather R US from Hatchery	12/11/02	0940	
Feather R US from Hatchery	12/17/02	0945	
Feather R US from Hatchery	01/14/03	0940	
Feather R US from Hatchery	02/20/03	1015	
Feather R US from Hatchery	03/19/03	0930	0-15
Feather R US from Hatchery	04/17/03	0745	0-15
Feather R US from Hatchery	05/15/03	0830	0-15
Feather R US from Hatchery	06/17/03	0725	0-15
Feather R US from Hatchery	07/08/03	0830	0-15
Feather R US from Hatchery	08/11/03	0745	0-10
Feather R US from Hatchery	09/17/03	0800	0-10
Feather R US from Hatchery	10/27/03	0930	0-5
Feather R US from Hatchery	11/17/03	1015	0-10
Feather R US from Hatchery	12/15/03	0900	10-14
Feather R US from Hatchery	01/13/04	0830	0-10
Feather R US from Hatchery	02/03/04	0740	0-15
Feather R US from Hatchery	02/10/04	0820	0-15
Feather R US from Hatchery	02/19/04	0830	20
Feather R US from Hatchery	02/27/04	0800	17
Feather R US from Hatchery	03/10/04	0900	15
Feather R US from Hatchery	04/06/04	0740	10
Feather R Hatchery Settling Pond	05/21/02	0825	26
Feather R Hatchery Settling Pond	06/25/02	1505	
Feather R Hatchery Settling Pond	07/24/02	0950	
Feather R Hatchery Settling Pond	08/21/02	0950	
Feather R Hatchery Settling Pond	09/25/02	0925	10
Feather R Hatchery Settling Pond	10/22/02	0800	0-20

Station Name	Date	Time (pst)	Color (color units)
Feather R Hatchery Settling Pond	11/14/02	1100	
Feather R Hatchery Settling Pond	12/11/02	1030	
Feather R Hatchery Settling Pond	12/17/02	1030	
Feather R Hatchery Settling Pond	01/14/03	1020	
Feather R Hatchery Settling Pond	02/20/03	1115	
Feather R Hatchery Settling Pond	03/19/03	1015	0-20
Feather R Hatchery Settling Pond	04/17/03	0945	0-15
Feather R Hatchery Settling Pond	05/15/03	0930	0-20
Feather R Hatchery Settling Pond	06/17/03	0800	0-15
Feather R Hatchery Settling Pond	07/08/03	0915	5-20
Feather R Hatchery Settling Pond	08/11/03	0900	
Feather R Hatchery Settling Pond	09/17/03	0900	0-20
Feather R Hatchery Settling Pond	10/27/03	1015	0-5
Feather R Hatchery Settling Pond	11/17/03	1100	0-10
Feather R Hatchery Settling Pond	12/15/03	1000	14-18
Feather R Hatchery Settling Pond	01/13/04	0910	0-15
Feather R Hatchery Settling Pond	02/03/04	0810	0-10
Feather R Hatchery Settling Pond	02/10/04	0910	0-20
Feather R Hatchery Settling Pond	02/19/04	0850	20
Feather R Hatchery Settling Pond	03/10/04	0930	12
Feather R Hatchery Settling Pond	04/06/04	0830	10
Feather R DS from Hatchery	03/26/02	1015	
Feather R DS from Hatchery	04/24/02	0955	
Feather R DS from Hatchery	05/21/02	1000	45
Feather R DS from Hatchery	06/25/02	0945	
Feather R DS from Hatchery	07/24/02	1035	
Feather R DS from Hatchery	08/21/02	1030	
Feather R DS from Hatchery	09/25/02	1030	20
Feather R DS from Hatchery	10/22/02	0900	0-20
Feather R DS from Hatchery	11/05/02	0945	
Feather R DS from Hatchery	11/14/02	1145	
Feather R DS from Hatchery	12/11/02	1120	
Feather R DS from Hatchery	12/17/02	1115	
Feather R DS from Hatchery	01/14/03	1055	
Feather R DS from Hatchery	02/20/03	1200	
Feather R DS from Hatchery	03/19/03	1115	0-20
Feather R DS from Hatchery	04/17/03	1045	0-15
Feather R DS from Hatchery	05/15/03	1215	0-10
Feather R DS from Hatchery	06/17/03	1000	0-15

Station Name	Date	Time (pst)	Color (color units)
Feather R DS from Hatchery	07/08/03	1200	0-10
Feather R DS from Hatchery	08/11/03	1130	0-10
Feather R DS from Hatchery	09/17/03	1115	0-20
Feather R DS from Hatchery	10/27/03	1215	0-5
Feather R DS from Hatchery	11/17/03	1300	0-10
Feather R DS from Hatchery	12/15/03	1210	8-10
Feather R DS from Hatchery	01/13/04	1100	5-15
Feather R DS from Hatchery	02/03/04	1015	10-20
Feather R DS from Hatchery	02/10/04	1200	5-25
Feather R DS from Hatchery	02/19/04	1100	20
Feather R DS from Hatchery	03/10/04	1200	20
Feather R DS from Hatchery	04/06/04	1100	15
Feather R DS from Hwy 162	03/26/02	1200	
Feather R DS from Hwy 162	04/24/02	1130	
Feather R DS from Hwy 162	05/21/02	1135	23
Feather R DS from Hwy 162	06/25/02	1130	0-20
Feather R DS from Hwy 162	07/24/02	1205	0-20
Feather R DS from Hwy 162	08/21/02	0730	0-20
Feather R DS from Hwy 162	09/25/02	0730	0-20
Feather R DS from Hwy 162	10/22/02	0700	0-20
Feather R DS from Hwy 162	11/05/02	1025	
Feather R DS from Hwy 162	11/14/02	1200	
Feather R DS from Hwy 162	12/11/02	1045	
Feather R DS from Hwy 162	12/17/02	0900	
Feather R DS from Hwy 162	01/14/03	0830	
Feather R DS from Hwy 162	02/20/03	0710	
Feather R DS from Hwy 162	03/19/03	0630	0-15
Feather R DS from Hwy 162	04/17/03	0830	0-15
Feather R DS from Hwy 162	05/15/03	0730	
Feather R DS from Hwy 162	06/17/03	0810	0-20
Feather R DS from Hwy 162	07/08/03	0715	0-15
Feather R DS from Hwy 162	08/11/03	0800	0-20
Feather R DS from Hwy 162	09/17/03	0830	0-15
Feather R DS from Hwy 162	10/27/03	0930	0-5
Feather R DS from Hwy 162	11/17/03	0940	0-10
Feather R DS from Hwy 162	12/15/03	0920	8-12
Feather R DS from Hwy 162	01/13/04	0900	5-15
Feather R DS from Hwy 162	02/03/04	0800	0-15
Feather R DS from Hwy 162	02/10/04	0810	0-10

Station Name	Date	Time (pst)	Color (color units)
Feather R DS from Hwy 162	02/19/04	0920	15
Feather R DS from Hwy 162	03/10/04	0815	0-10
Feather R DS from Hwy 162	04/06/04	0700	0-10
Feather R A Robinson Riffle	03/26/02	1115	15
Feather R A Robinson Riffle	04/24/02	1230	15
Feather R A Robinson Riffle	05/21/02	1220	19
Feather R A Robinson Riffle	06/24/02	1230	0-20
Feather R A Robinson Riffle	07/24/02	1200	0-20
Feather R A Robinson Riffle	08/21/02	0920	0-20
Feather R A Robinson Riffle	09/25/02	0845	0-20
Feather R A Robinson Riffle	10/22/02	0830	0-20
Feather R A Robinson Riffle	11/05/02	1105	
Feather R A Robinson Riffle	11/14/02	1245	
Feather R A Robinson Riffle	12/11/02	1130	
Feather R A Robinson Riffle	12/17/02	0945	
Feather R A Robinson Riffle	01/14/03	0910	
Feather R A Robinson Riffle	02/20/03	0800	
Feather R A Robinson Riffle	03/19/03	0730	0-10
Feather R A Robinson Riffle	04/17/03	1440	0-15
Feather R A Robinson Riffle	05/15/03	0815	
Feather R A Robinson Riffle	06/17/03	0820	0-15
Feather R A Robinson Riffle	07/08/03	0840	0-5
Feather R A Robinson Riffle	08/11/03	0845	0-20
Feather R A Robinson Riffle	09/17/03	0915	0-2
Feather R A Robinson Riffle	10/27/03	1055	0-5
Feather R A Robinson Riffle	11/15/03	1030	0-10
Feather R A Robinson Riffle	01/13/04	1010	5-15
Feather R A Robinson Riffle	02/03/04	0840	0-15
Feather R A Robinson Riffle	02/10/04	0900	0-10
Feather R A Robinson Riffle	02/19/04	1315	25
Feather R A Robinson Riffle	03/10/04	0930	0-10
Feather R A Robinson Riffle	04/06/04	0800	0-10
Feather R US from Afterbay Outlet	03/26/02	1250	
Feather R US from Afterbay Outlet	04/24/02	1525	
Feather R US from Afterbay Outlet	05/21/02	1520	38
Feather R US from Afterbay Outlet	06/25/02	1600	
Feather R US from Afterbay Outlet	07/24/02	1315	
Feather R US from Afterbay Outlet	08/21/02	1150	

Station Name	Date	Time (pst)	Color (color units)
Feather R US from Afterbay Outlet	09/25/02	1215	18
Feather R US from Afterbay Outlet	10/22/02	1205	0-20
Feather R US from Afterbay Outlet	11/05/02	1425	
Feather R US from Afterbay Outlet	11/14/02	1410	
Feather R US from Afterbay Outlet	12/11/02	1315	
Feather R US from Afterbay Outlet	12/17/02	1245	
Feather R US from Afterbay Outlet	01/14/03	1300	
Feather R US from Afterbay Outlet	02/20/03	1415	
Feather R US from Afterbay Outlet	03/19/03	1315	0-20
Feather R US from Afterbay Outlet	04/17/03	1245	0-15
Feather R US from Afterbay Outlet	05/15/03	1330	0-20
Feather R US from Afterbay Outlet	06/17/03	1100	0-15
Feather R US from Afterbay Outlet	07/08/03	0800	0-10
Feather R US from Afterbay Outlet	08/11/03	1245	0-10
Feather R US from Afterbay Outlet	09/17/03	1300	0-15
Feather R US from Afterbay Outlet	10/27/03	1400	0-5
Feather R US from Afterbay Outlet	11/17/03	1440	0-10
Feather R US from Afterbay Outlet	12/15/03	1350	12-16
Feather R US from Afterbay Outlet	01/13/04	1200	0-20
Feather R US from Afterbay Outlet	02/03/04	1200	10-20
Feather R US from Afterbay Outlet	02/10/04	1310	10-20
Feather R US from Afterbay Outlet	02/19/04	1150	20
Feather R US from Afterbay Outlet	02/27/04	0850	10
Feather R US from Afterbay Outlet	03/10/04	1300	10
Feather R US from Afterbay Outlet	04/06/04	1200	10
Feather R DS from Afterbay Outlet	03/26/02	1325	
Feather R DS from Afterbay Outlet	04/24/02	1655	
Feather R DS from Afterbay Outlet	05/21/02	1640	39
Feather R DS from Afterbay Outlet	06/25/02	1715	
Feather R DS from Afterbay Outlet	07/24/02	1445	
Feather R DS from Afterbay Outlet	08/21/02	1245	
Feather R DS from Afterbay Outlet	09/25/02	1300	40
Feather R DS from Afterbay Outlet	10/22/02	1320	25
Feather R DS from Afterbay Outlet	11/05/02	1310	
Feather R DS from Afterbay Outlet	11/14/02	1520	
Feather R DS from Afterbay Outlet	12/11/02	1420	
Feather R DS from Afterbay Outlet	12/17/02	1345	
Feather R DS from Afterbay Outlet	01/14/03	1400	
Feather R DS from Afterbay Outlet	02/20/03	1510	

Station Name	Date	Time (pst)	Color (color units)
Feather R DS from Afterbay Outlet	03/19/03	1420	0-15
Feather R DS from Afterbay Outlet	04/17/03	1345	0-15
Feather R DS from Afterbay Outlet	05/15/03	1430	0-20
Feather R DS from Afterbay Outlet	06/17/03	1200	0-10
Feather R DS from Afterbay Outlet	07/08/03	0945	0-10
Feather R DS from Afterbay Outlet	08/11/03	1415	0-10
Feather R DS from Afterbay Outlet	09/17/03	1400	0-10
Feather R DS from Afterbay Outlet	10/27/03	1500	0-5
Feather R DS from Afterbay Outlet	11/17/03	1530	0-10
Feather R DS from Afterbay Outlet	12/15/03	1440	13-15
Feather R DS from Afterbay Outlet	01/13/04	1300	0-15
Feather R DS from Afterbay Outlet	02/03/04	1230	10-20
Feather R DS from Afterbay Outlet	02/10/04	1400	10-20
Feather R DS from Afterbay Outlet	02/19/04	1230	20
Feather R DS from Afterbay Outlet	02/27/04	1030	10
Feather R DS from Afterbay Outlet	03/10/04	1350	10
Feather R DS from Afterbay Outlet	04/06/04	1445	10
Feather R DS from SCOR Outlet	03/26/02	1350	20
Feather R DS from SCOR Outlet	04/24/02	1455	25
Feather R DS from SCOR Outlet	05/21/02	1345	36
Feather R DS from SCOR Outlet	06/25/02	1345	0-25
Feather R DS from SCOR Outlet	07/24/02	1330	0-25
Feather R DS from SCOR Outlet	08/21/02	1030	0-25
Feather R DS from SCOR Outlet	09/25/02	0950	0-20
Feather R DS from SCOR Outlet	10/22/02	0940	0-20
Feather R DS from SCOR Outlet	11/05/02	1140	
Feather R DS from SCOR Outlet	11/14/02	1345	
Feather R DS from SCOR Outlet	12/11/02	1230	
Feather R DS from SCOR Outlet	12/17/02	1040	
Feather R DS from SCOR Outlet	01/14/03	1030	
Feather R DS from SCOR Outlet	02/20/03	0915	
Feather R DS from SCOR Outlet	03/19/03	0845	0-15
Feather R DS from SCOR Outlet	04/17/03	1330	0-15
Feather R DS from SCOR Outlet	05/15/03	0930	
Feather R DS from SCOR Outlet	06/17/03	0925	0-20
Feather R DS from SCOR Outlet	07/08/03	0940	0-20
Feather R DS from SCOR Outlet	08/11/03	0945	0-20
Feather R DS from SCOR Outlet	09/17/03	1030	0-20
Feather R DS from SCOR Outlet	10/27/03	1220	0-5

Station Name	Date	Time (pst)	Color (color units)
Feather R DS from SCOR Outlet	11/17/03	1115	0-10
Feather R DS from SCOR Outlet	12/15/03	1100	8-12
Feather R DS from SCOR Outlet	01/13/04	1110	0-20
Feather R DS from SCOR Outlet	02/03/04	0920	0-15
Feather R DS from SCOR Outlet	02/10/04	0955	0-10
Feather R DS from SCOR Outlet	02/19/04	1415	10
Feather R DS from SCOR Outlet	03/10/04	1050	15-20
Feather R DS from SCOR Outlet	04/06/04	0900	0-5
Feather R NR Mile Long Pond	03/26/02	1445	20
Feather R NR Mile Long Pond	04/24/02	1745	15
Feather R NR Mile Long Pond	05/21/02	1745	19
Feather R NR Mile Long Pond	06/25/02	1810	0-20
Feather R NR Mile Long Pond	07/24/02	1540	0-20
Feather R NR Mile Long Pond	08/21/02	1400	0-20
Feather R NR Mile Long Pond	09/25/02	1430	0-20
Feather R NR Mile Long Pond	10/22/02	1430	0-20
Feather R NR Mile Long Pond	11/05/02	1345	0-20
Feather R NR Mile Long Pond	11/14/02	1615	0-15
Feather R NR Mile Long Pond	12/11/02	1515	0-15
Feather R NR Mile Long Pond	12/17/02	1430	0-10
Feather R NR Mile Long Pond	01/14/03	1440	0-20
Feather R NR Mile Long Pond	02/20/03	1615	0-15
Feather R NR Mile Long Pond	03/19/03	1515	0-20
Feather R NR Mile Long Pond	04/17/03	1445	0-15
Feather R NR Mile Long Pond	05/15/03	1345	0-10
Feather R NR Mile Long Pond	06/17/03	1400	0-20
Feather R NR Mile Long Pond	07/08/03	1020	0-10
Feather R NR Mile Long Pond	08/11/03	1340	0-20
Feather R NR Mile Long Pond	09/17/03	1440	0-15
Feather R NR Mile Long Pond	10/27/03	1615	0-5
Feather R NR Mile Long Pond	11/17/03	1610	0-10
Feather R NR Mile Long Pond	12/15/03	1500	12-14
Feather R NR Mile Long Pond	01/13/04	1415	15-25
Feather R NR Mile Long Pond	02/03/04	2130	0-15
Feather R NR Mile Long Pond	02/10/04	1450	10-20
Feather R NR Mile Long Pond	02/19/04	1545	15
Feather R NR Mile Long Pond	03/10/04	1420	0-10
Feather R NR Mile Long Pond	04/06/04	1215	0-10

Station Name	Date	Time (pst)	Color (color units)
Feather R DS from Project Boundary	03/26/02	1550	15
Feather R DS from Project Boundary	04/24/02	1850	15
Feather R DS from Project Boundary	05/21/02	1855	21
Feather R DS from Project Boundary	06/25/02	0620	0-20
Feather R DS from Project Boundary	07/24/02	1640	
Feather R DS from Project Boundary	08/21/02	1150	0-20
Feather R DS from Project Boundary	09/25/02	1120	0-20
Feather R DS from Project Boundary	10/22/02	1110	0-20
Feather R DS from Project Boundary	11/05/02	1225	0-15
Feather R DS from Project Boundary	11/14/02	1045	0-10
Feather R DS from Project Boundary	12/11/02	1320	0-10
Feather R DS from Project Boundary	12/17/02	1130	0-15
Feather R DS from Project Boundary	01/14/03	1135	0-10
Feather R DS from Project Boundary	02/20/03	1000	0-10
Feather R DS from Project Boundary	03/19/03	1000	10-20
Feather R DS from Project Boundary	04/17/03	1230	0-15
Feather R DS from Project Boundary	05/15/03	1020	
Feather R DS from Project Boundary	06/17/03	1045	0-15
Feather R DS from Project Boundary	07/08/03	1030	0-10
Feather R DS from Project Boundary	08/11/03	1100	0-20
Feather R DS from Project Boundary	09/17/03	1150	0-15
Feather R DS from Project Boundary	10/27/03	1320	0-5
Feather R DS from Project Boundary	11/17/03	1215	0-10
Feather R DS from Project Boundary	12/15/03	1215	10-12
Feather R DS from Project Boundary	01/13/04	1200	0-10
Feather R DS from Project Boundary	02/03/04	1010	0-15
Feather R DS from Project Boundary	02/10/04	1045	0-10
Feather R DS from Project Boundary	02/19/04	1745	10
Feather R DS from Project Boundary	02/27/04	1330	20
Feather R DS from Project Boundary	03/10/04	1155	0-10
Feather R DS from Project Boundary	04/06/04	0950	0-10
Honcut C A Pacific Ranch NR Palermo	03/27/02	0740	15
Honcut C A Pacific Ranch NR Palermo	04/24/02	0630	15
Honcut C A Pacific Ranch NR Palermo	05/21/02	0630	20
Honcut C A Pacific Ranch NR Palermo	06/25/02	0715	0-20
Honcut C A Pacific Ranch NR Palermo	07/24/02	1845	0-20
Honcut C A Pacific Ranch NR Palermo	08/21/02	1300	0-20
Honcut C A Pacific Ranch NR Palermo	09/25/02	1220	0-20
Honcut C A Pacific Ranch NR Palermo	10/22/02	1215	0-20

Station Name	Date	Time (pst)	Color (color units)
Honcut C A Pacific Ranch NR Palermo	11/14/02	1000	
Honcut C A Pacific Ranch NR Palermo	12/11/02	0945	20
Honcut C A Pacific Ranch NR Palermo	12/17/02	1215	
Honcut C A Pacific Ranch NR Palermo	01/14/03	1230	
Honcut C A Pacific Ranch NR Palermo	02/20/03	1100	
Honcut C A Pacific Ranch NR Palermo	03/19/03	1100	0-15
Honcut C A Pacific Ranch NR Palermo	04/17/03	1145	0-30
Honcut C A Pacific Ranch NR Palermo	05/15/03	1140	
Honcut C A Pacific Ranch NR Palermo	06/17/03	1145	0-15
Honcut C A Pacific Ranch NR Palermo	07/08/03	1105	0-25
Honcut C A Pacific Ranch NR Palermo	08/11/03	1200	0-20
Honcut C A Pacific Ranch NR Palermo	09/17/03	1250	0-15
Honcut C A Pacific Ranch NR Palermo	10/27/03	1410	0-5
Honcut C A Pacific Ranch NR Palermo	11/17/03	1300	0-10
Honcut C A Pacific Ranch NR Palermo	12/15/03	1300	45-50
Honcut C A Pacific Ranch NR Palermo	01/13/04	1250	30-35
Honcut C A Pacific Ranch NR Palermo	02/03/04	1050	45-55
Honcut C A Pacific Ranch NR Palermo	02/10/04	1125	10-30
Honcut C A Pacific Ranch NR Palermo	02/19/04	1700	45
Honcut C A Pacific Ranch NR Palermo	03/10/04	1250	15-20
Honcut C A Pacific Ranch NR Palermo	04/06/04	1045	25-30
Feather R A Singh AB Riviera RD	03/26/02	1640	10
Feather R A Singh AB Riviera RD	04/24/02	0830	5
Feather R A Singh AB Riviera RD	05/21/02	0745	10
Feather R A Singh AB Riviera RD	06/25/02	0830	0-20
Feather R A Singh AB Riviera RD	07/24/02	0705	0-20
Feather R A Singh AB Riviera RD	08/21/02	1410	0-20
Feather R A Singh AB Riviera RD	09/25/02	1330	0-20
Feather R A Singh AB Riviera RD	10/22/02	1320	0-20
Feather R A Singh AB Riviera RD	11/14/02	0830	0-10
Feather R A Singh AB Riviera RD	12/11/02	0840	0-15
Feather R A Singh AB Riviera RD	12/17/02	1315	0-15
Feather R A Singh AB Riviera RD	01/14/03	1330	0-20
Feather R A Singh AB Riviera RD	02/20/03	1200	0-20
Feather R A Singh AB Riviera RD	03/19/03	1215	15-20
Feather R A Singh AB Riviera RD	04/17/03	1050	0-15
Feather R A Singh AB Riviera RD	05/15/03	1245	
Feather R A Singh AB Riviera RD	06/17/03	1300	5-15
Feather R A Singh AB Riviera RD	07/08/03	1115	5-15

Station Name	Date	Time (pst)	Color (color units)
Feather R A Singh AB Riviera RD	08/11/03	1245	0-20
Feather R A Singh AB Riviera RD	09/17/03	1340	0-15
Feather R A Singh AB Riviera RD	10/27/03	1515	0-5
Feather R A Singh AB Riviera RD	11/17/03	1400	0-10
Feather R A Singh AB Riviera RD	12/15/03	1400	10-12
Feather R A Singh AB Riviera RD	01/13/04	1415	0-20
Feather R A Singh AB Riviera RD	02/03/04	1140	0-15
Feather R A Singh AB Riviera RD	02/10/04	1235	0-10
Feather R A Singh AB Riviera RD	02/27/04	1120	12
Feather R A Singh AB Riviera RD	03/10/04	1345	0-10
Feather R A Singh AB Riviera RD	04/06/04	1125	5-15
Feather R A Archer Ave	03/27/02	0915	
Feather R A Archer Ave	04/24/02	0910	5
Feather R A Archer Ave	05/21/02	0840	10
Feather R A Archer Ave	06/25/02	0930	0-20
Feather R A Archer Ave	07/24/02	0750	0-20
Feather R A Archer Ave	08/21/02	0730	0-20
Feather R A Archer Ave	09/25/02	0835	0-20
Feather R A Archer Ave	10/22/02	0720	0-20
Feather R A Archer Ave	11/14/02	0820	
Feather R A Archer Ave	12/11/02	0900	
Feather R A Archer Ave	12/17/02	0815	
Feather R A Archer Ave	01/14/03	0815	
Feather R A Archer Ave	02/20/03	0730	0-25
Feather R A Archer Ave	03/19/03	1810	0-10
Feather R A Archer Ave	04/17/03	0930	
Feather R A Archer Ave	05/15/03	0835	
Feather R A Archer Ave	06/17/03	1055	0-15
Feather R A Archer Ave	07/08/03	1230	0-20
Feather R A Archer Ave	08/11/03	1215	0-15
Feather R A Archer Ave	09/17/03	0815	0-15
Feather R A Archer Ave	10/27/03	1250	0-10
Feather R A Archer Ave	11/17/03	1100	0-10
Feather R A Archer Ave	12/15/03	1430	12-15
Feather R A Archer Ave	01/13/04	1400	10-20
Feather R A Archer Ave	02/03/04	1335	0-10
Feather R A Archer Ave	02/10/04	1345	0-10
Feather R A Archer Ave	02/19/04	0815	30
Feather R A Archer Ave	03/10/04	1650	0-10

Station Name	Date	Time (pst)	Color (color units)
Feather R A Archer Ave	04/06/04	1615	5-10
Yuba R A Mouth	03/27/02	1120	
Yuba R A Mouth	04/24/02	1115	5
Yuba R A Mouth	05/21/02	1000	15
Yuba R A Mouth	06/25/02	1020	0-20
Yuba R A Mouth	07/24/02	0850	0-20
Yuba R A Mouth	08/21/02	0820	0-20
Yuba R A Mouth	09/25/02	0950	0-20
Yuba R A Mouth	10/22/02	0820	0-20
Yuba R A Mouth	11/14/02	0915	0-20
Yuba R A Mouth	12/11/02	0945	
Yuba R A Mouth	12/17/02	0900	
Yuba R A Mouth	01/14/03	0910	
Yuba R A Mouth	02/20/03	0840	0-25
Yuba R A Mouth	03/19/03	0910	0-25
Yuba R A Mouth	04/17/03	0930	
Yuba R A Mouth	05/15/03	0835	
Yuba R A Mouth	06/17/03	1055	0-15
Yuba R A Mouth	07/08/03	1230	
Yuba R A Mouth	08/11/03	1215	
Yuba R A Mouth	09/17/03	0815	
Yuba R A Mouth	10/27/03	1250	0-10
Yuba R A Mouth	11/17/03	1200	0-10
Yuba R A Mouth	12/15/03	1220	14-18
Yuba R A Mouth	01/13/04	1310	10-20
Yuba R A Mouth	02/03/04	1140	0-10
Yuba R A Mouth	02/10/04	1150	0-10
Yuba R A Mouth	02/19/04	1015	15
Yuba R A Mouth	02/27/04	1230	28
Yuba R A Mouth	03/10/04	1610	20-30
Yuba R A Mouth	04/06/04	1100	5-10
Feather R US from Yuba R	03/27/02	1030	
Feather R US from Yuba R	04/24/02	1030	10
Feather R US from Yuba R	05/21/02	1040	15
Feather R US from Yuba R	06/25/02	1100	0-20
Feather R US from Yuba R	07/24/02	1015	0-20
Feather R US from Yuba R	08/21/02	0905	0-20
Feather R US from Yuba R	09/25/02	0920	0-20

Station Name	Date	Time (pst)	Color (color units)
Feather R US from Yuba R	10/22/02	0840	0-20
Feather R US from Yuba R	11/14/02	0945	
Feather R US from Yuba R	12/11/02	1015	
Feather R US from Yuba R	12/17/02	0930	
Feather R US from Yuba R	01/14/03	0940	
Feather R US from Yuba R	02/20/03	0920	0-20
Feather R US from Yuba R	03/19/03	0950	
Feather R US from Yuba R	04/17/03	0900	
Feather R US from Yuba R	05/15/03	0910	
Feather R US from Yuba R	06/17/03	1120	0-20
Feather R US from Yuba R	07/08/03	1200	0-20
Feather R US from Yuba R	08/11/03	1200	0-15
Feather R US from Yuba R	09/17/03	0945	0-10
Feather R US from Yuba R	10/27/03	1330	0-10
Feather R US from Yuba R	11/17/03	1230	0-10
Feather R US from Yuba R	12/15/03	1300	15-17
Feather R US from Yuba R	01/13/04	1240	0-10
Feather R US from Yuba R	02/03/04	1215	0-15
Feather R US from Yuba R	02/10/04	1215	0-10
Feather R US from Yuba R	02/19/04	0900	30
Feather R US from Yuba R	02/27/04	1025	20
Feather R US from Yuba R	03/10/04	1500	10-20
Feather R US from Yuba R	04/06/04	1130	5-10
Feather R A Shanghai Bend	03/26/02	1300	0-15
Feather R A Shanghai Bend	04/24/02	1210	15
Feather R A Shanghai Bend	05/21/02	1130	25
Feather R A Shanghai Bend	06/25/02	1150	0-15
Feather R A Shanghai Bend	07/24/02	0955	0-15
Feather R A Shanghai Bend	08/21/02	0945	0-15
Feather R A Shanghai Bend	09/25/02	1025	0-20
Feather R A Shanghai Bend	10/22/02	0930	0-20
Feather R A Shanghai Bend	11/14/02	1040	
Feather R A Shanghai Bend	12/11/02	1100	
Feather R A Shanghai Bend	12/17/02	1010	
Feather R A Shanghai Bend	01/14/03	1015	
Feather R A Shanghai Bend	02/20/03	1015	0-25
Feather R A Shanghai Bend	03/19/03	1030	0-25
Feather R A Shanghai Bend	04/17/03	1000	
Feather R A Shanghai Bend	05/15/03	0950	

Station Name	Date	Time (pst)	Color (color units)
Feather R A Shanghai Bend	06/17/03	1200	0-15
Feather R A Shanghai Bend	07/08/03	1300	0-10
Feather R A Shanghai Bend	08/11/03	1300	0-15
Feather R A Shanghai Bend	09/17/03	0940	0-10
Feather R A Shanghai Bend	10/27/03	1400	0-10
Feather R A Shanghai Bend	11/17/03	1300	0-10
Feather R A Shanghai Bend	12/15/03	1335	18-20
Feather R A Shanghai Bend	01/13/04	1200	0-10
Feather R A Shanghai Bend	02/03/04	1250	0-15
Feather R A Shanghai Bend	02/10/04	1245	0-15
Feather R A Shanghai Bend	02/19/04	0930	40
Feather R A Shanghai Bend	02/27/04	1115	22
Feather R A Shanghai Bend	03/10/04	1410	20-30
Feather R A Shanghai Bend	04/06/04	1300	15-20
Bear R NR Mouth	03/27/02	1430	25
Bear R NR Mouth	04/24/02	1430	25
Bear R NR Mouth	05/21/02	1240	30
Bear R NR Mouth	06/25/02	1310	0-25
Bear R NR Mouth	07/24/02	1105	0-25
Bear R NR Mouth	08/21/02	1115	0-25
Bear R NR Mouth	09/25/02	1130	0-25
Bear R NR Mouth	10/22/02	1045	0-25
Bear R NR Mouth	11/14/02	1140	0-25
Bear R NR Mouth	12/11/02	1200	
Bear R NR Mouth	12/17/02	1110	
Bear R NR Mouth	01/14/03	1110	
Bear R NR Mouth	02/20/03	1140	0-25
Bear R NR Mouth	03/19/03	1135	0-20
Bear R NR Mouth	04/17/03	1115	
Bear R NR Mouth	05/15/03	1115	
Bear R NR Mouth	06/17/03	1020	0-20
Bear R NR Mouth	07/08/03	1115	5-15
Bear R NR Mouth	08/11/03	1100	0-15
Bear R NR Mouth	09/17/03	1100	0-20
Bear R NR Mouth	10/27/03	1145	0-10
Bear R NR Mouth	11/17/03	1400	0-10
Bear R NR Mouth	12/15/03	1130	25-30
Bear R NR Mouth	01/13/04	1045	20-30
Bear R NR Mouth	02/03/04	1100	0-15

Station Name	Date	Time (pst)	Color (color units)
Bear R NR Mouth	02/10/04	1050	0-15
Bear R NR Mouth	02/19/04	1100	40
Bear R NR Mouth	03/10/04	1240	20-30
Bear R NR Mouth	04/06/04	1000	15-20
Feather R NR Verona	03/27/02	1515	20
Feather R NR Verona	04/24/02	1520	20
Feather R NR Verona	05/21/02	1330	25
Feather R NR Verona	06/25/02	1400	0-25
Feather R NR Verona	07/24/02	1320	0-25
Feather R NR Verona	08/21/02	1215	0-25
Feather R NR Verona	09/25/02	1400	0-25
Feather R NR Verona	10/22/02	1135	0-25
Feather R NR Verona	11/14/02	1230	0-25
Feather R NR Verona	12/11/02	1300	
Feather R NR Verona	12/17/02	1210	
Feather R NR Verona	01/14/03	1215	
Feather R NR Verona	02/20/00	1230	0-25
Feather R NR Verona	03/19/03	1230	0-25
Feather R NR Verona	04/17/03	1215	
Feather R NR Verona	05/15/03	1215	
Feather R NR Verona	06/17/03	0930	0-15
Feather R NR Verona	07/08/03	1015	5-15
Feather R NR Verona	08/11/03	1000	0-20
Feather R NR Verona	09/17/03	1200	
Feather R NR Verona	10/27/03	1100	0-10
Feather R NR Verona	11/17/03	1500	0-10
Feather R NR Verona	12/15/03	1030	12-16
Feather R NR Verona	01/13/04	0950	0-10
Feather R NR Verona	02/03/04	1005	0-15
Feather R NR Verona	02/10/04	0950	15-20
Feather R NR Verona	02/19/04	1200	30
Feather R NR Verona	02/27/04	0850	20
Feather R NR Verona	03/10/04	0915	10-20
Feather R NR Verona	04/06/04	0850	10-15
Sacramento R US from Feather R	03/27/02	1630	20
Sacramento R US from Feather R	04/24/02	1730	20
Sacramento R US from Feather R	05/21/02	1445	25
Sacramento R US from Feather R	06/25/02	1515	0-25

Station Name	Date	Time (pst)	Color (color units)
Sacramento R US from Feather R	07/24/02	1215	0-25
Sacramento R US from Feather R	08/21/02	1330	0-25
Sacramento R US from Feather R	09/25/02	1300	0-25
Sacramento R US from Feather R	10/22/02	1245	0-25
Sacramento R US from Feather R	11/14/02	1430	0-25
Sacramento R US from Feather R	12/11/02	1415	
Sacramento R US from Feather R	12/17/02		
Sacramento R US from Feather R	01/14/03	1330	
Sacramento R US from Feather R	02/20/03	1345	0-25
Sacramento R US from Feather R	03/19/03	1330	0-25
Sacramento R US from Feather R	04/17/03	1330	
Sacramento R US from Feather R	05/15/03	1330	
Sacramento R US from Feather R	06/17/03	0815	
Sacramento R US from Feather R	07/08/03	0855	0-20
Sacramento R US from Feather R	08/11/03	0830	0-20
Sacramento R US from Feather R	09/17/03	1315	0-20
Sacramento R US from Feather R	10/27/03	0930	0-5
Sacramento R US from Feather R	11/17/03	1620	0-10
Sacramento R US from Feather R	12/15/03	0920	18-22
Sacramento R US from Feather R	01/13/04	0830	0-10
Sacramento R US from Feather R	02/03/04	0850	0-10
Sacramento R US from Feather R	02/10/04	0830	0-15
Sacramento R US from Feather R	02/19/04	1310	35
Sacramento R US from Feather R	03/10/04	1045	10-20
Sacramento R US from Feather R	04/06/04	0725	5-10

Appendix 11. Odors detected from monitored waters.

Station Number	Station Name	Date	Time	Odor
A5-1860.50	Feather R DS Diversion Dam	03/26/02	0715	
A5-1800.00	Feather R A Oroville	03/26/02	0815	
A5-1800.00	Feather R A Oroville	04/24/02	0700	
A5-1800.00	Feather R A Oroville	05/21/02	0645	None
A5-1800.00	Feather R A Oroville	06/25/02	0645	None
A5-1800.00	Feather R A Oroville	07/24/02	0715	None
A5-1800.00	Feather R A Oroville	08/21/02	0830	None
A5-1800.00	Feather R A Oroville	09/25/02	0810	None
A5-1800.00	Feather R A Oroville	10/22/02	1010	None
A5-1800.00	Feather R A Oroville	11/05/02	0830	None
A5-1800.00	Feather R A Oroville	11/14/02	0830	None
A5-1800.00	Feather R A Oroville	12/11/02	0845	None
A5-1800.00	Feather R A Oroville	12/17/02	0900	None
A5-1800.00	Feather R A Oroville	01/14/03	0835	None
A5-1800.00	Feather R A Oroville	02/20/03	0845	None
A5-1800.00	Feather R A Oroville	03/19/03	0830	None
A5-1800.00	Feather R A Oroville	04/17/03	0845	Rotting fish
A5-1800.00	Feather R A Oroville	05/15/03	0745	None
A5-1800.00	Feather R A Oroville	06/17/03	0645	None
A5-1800.00	Feather R A Oroville	07/08/03	0730	None
A5-1800.00	Feather R A Oroville	08/11/03	0700	None
A5-1800.00	Feather R A Oroville	09/17/03	0715	None
A5-1800.00	Feather R A Oroville	10/27/03	0830	None
A5-1800.00	Feather R A Oroville	11/17/03	0900	None
A5-1800.00	Feather R A Oroville	12/15/03	0810	None
A5-1800.00	Feather R A Oroville	01/13/04	0730	None
A5-1800.00	Feather R A Oroville	02/03/04	0715	
A5-1800.00	Feather R A Oroville	02/10/04	0740	None
A5-1800.00	Feather R A Oroville	02/19/04	0745	None
A5-1800.00	Feather R A Oroville	03/10/04	0800	None
A5-1800.00	Feather R A Oroville	04/06/04	0700	None
A5-1789.50	Feather R US from Hatchery	03/26/02	0915	
A5-1789.50	Feather R US from Hatchery	04/24/02	0810	
A5-1789.50	Feather R US from Hatchery	05/21/02	0740	None
A5-1789.50	Feather R US from Hatchery	06/25/02	0745	None
A5-1789.50	Feather R US from Hatchery	07/24/02	0840	None
A5-1789.50	Feather R US from Hatchery	08/21/02	0910	None
A5-1789.50	Feather R US from Hatchery	09/25/02	0845	Rotting Fish
A5-1789.50	Feather R US from Hatchery	10/22/02	0700	Rotting Fish

Station Number	Station Name	Date	Time	Odor
A5-1789.50	Feather R US from Hatchery	11/05/02	0915	Rotting Fish
A5-1789.50	Feather R US from Hatchery	11/14/02	1000	Rotting Fish
A5-1789.50	Feather R US from Hatchery	12/11/02	0940	Rotting Fish
A5-1789.50	Feather R US from Hatchery	12/17/02	0945	Fishy
A5-1789.50	Feather R US from Hatchery	01/14/03	0940	None
A5-1789.50	Feather R US from Hatchery	02/20/03	1015	None
A5-1789.50	Feather R US from Hatchery	03/19/03	0930	None
A5-1789.50	Feather R US from Hatchery	04/17/03	0745	None
A5-1789.50	Feather R US from Hatchery	05/15/03	0830	None
A5-1789.50	Feather R US from Hatchery	06/17/03	0725	None
A5-1789.50	Feather R US from Hatchery	07/08/03	0830	None
A5-1789.50	Feather R US from Hatchery	08/11/03	0745	None
A5-1789.50	Feather R US from Hatchery	09/17/03	0800	None
A5-1789.50	Feather R US from Hatchery	10/27/03	0930	Fishy
A5-1789.50	Feather R US from Hatchery	11/17/03	1015	Fishy
A5-1789.50	Feather R US from Hatchery	12/15/03	0900	None
A5-1789.50	Feather R US from Hatchery	01/13/04	0830	None
A5-1789.50	Feather R US from Hatchery	02/03/04	0740	
A5-1789.50	Feather R US from Hatchery	02/10/04	0820	None
A5-1789.50	Feather R US from Hatchery	02/19/04	0830	None
A5-1789.50	Feather R US from Hatchery	02/27/04	0800	None
A5-1789.50	Feather R US from Hatchery	03/10/04	0900	None
A5-1789.50	Feather R US from Hatchery	04/06/04	0740	None
A5R93101333	Feather R Hatchery Settling Pond	05/21/02	0825	None
A5R93101333	Feather R Hatchery Settling Pond	06/25/02	1505	Septic Odor
A5R93101333	Feather R Hatchery Settling Pond	07/24/02	0950	None
A5R93101333	Feather R Hatchery Settling Pond	08/21/02	0950	None
A5R93101333	Feather R Hatchery Settling Pond	09/25/02	0925	None
A5R93101333	Feather R Hatchery Settling Pond	10/22/02	0800	Dead Fish
A5R93101333	Feather R Hatchery Settling Pond	11/14/02	1100	None
A5R93101333	Feather R Hatchery Settling Pond	12/11/02	1030	None
A5R93101333	Feather R Hatchery Settling Pond	12/17/02	1030	None

Station Number	Station Name	Date	Time	Odor
A5R93101333	Feather R Hatchery Settling Pond	01/14/03	1020	None
A5R93101333	Feather R Hatchery Settling Pond	02/20/03	1115	None
A5R93101333	Feather R Hatchery Settling Pond	03/19/03	1015	Fishy
A5R93101333	Feather R Hatchery Settling Pond	04/17/03	0945	None
A5R93101333	Feather R Hatchery Settling Pond	05/15/03	0930	
A5R93101333	Feather R Hatchery Settling Pond	06/17/03	0800	Fishy
A5R93101333	Feather R Hatchery Settling Pond	07/08/03	0915	None
A5R93101333	Feather R Hatchery Settling Pond	08/11/03	0900	None
A5R93101333	Feather R Hatchery Settling Pond	09/17/03	0900	None
A5R93101333	Feather R Hatchery Settling Pond	10/27/03	1015	None
A5R93101333	Feather R Hatchery Settling Pond	11/17/03	1100	Fishy
A5R93101333	Feather R Hatchery Settling Pond	12/15/03	1000	None
A5R93101333	Feather R Hatchery Settling Pond	01/13/04	0910	None
A5R93101333	Feather R Hatchery Settling Pond	02/03/04	0810	
A5R93101333	Feather R Hatchery Settling Pond	02/10/04	0910	
A5R93101333	Feather R Hatchery Settling Pond	02/19/04	0850	None
A5R93101333	Feather R Hatchery Settling Pond	03/10/04	0930	algae
A5R93101333	Feather R Hatchery Settling Pond	04/06/04	0830	fishy
A5-1780.50	Feather R DS from Hatchery	03/26/02	1015	
A5-1780.50	Feather R DS from Hatchery	04/24/02	0955	
A5-1780.50	Feather R DS from Hatchery	05/21/02	1000	None
A5-1780.50	Feather R DS from Hatchery	06/25/02	0945	None
A5-1780.50	Feather R DS from Hatchery	07/24/02	1035	None
A5-1780.50	Feather R DS from Hatchery	08/21/02	1030	None

Station Number	Station Name	Date	Time	Odor
A5-1780.50	Feather R DS from Hatchery	09/25/02	1030	None
A5-1780.50	Feather R DS from Hatchery	10/22/02	0900	Dead Fish
A5-1780.50	Feather R DS from Hatchery	11/05/02	0945	Dead Fish
A5-1780.50	Feather R DS from Hatchery	11/14/02	1145	Dead Fish
A5-1780.50	Feather R DS from Hatchery	12/11/02	1120	Dead Fish
A5-1780.50	Feather R DS from Hatchery	12/17/02	1115	Dead Fish
A5-1780.50	Feather R DS from Hatchery	01/14/03	1055	Algae
A5-1780.50	Feather R DS from Hatchery	02/20/03	1200	None
A5-1780.50	Feather R DS from Hatchery	03/19/03	1115	None
A5-1780.50	Feather R DS from Hatchery	04/17/03	1045	None
A5-1780.50	Feather R DS from Hatchery	05/15/03	1215	None
A5-1780.50	Feather R DS from Hatchery	06/17/03	1000	None
A5-1780.50	Feather R DS from Hatchery	07/08/03	1200	
A5-1780.50	Feather R DS from Hatchery	08/11/03	1130	None
A5-1780.50	Feather R DS from Hatchery	09/17/03	1115	Fishy
A5-1780.50	Feather R DS from Hatchery	10/27/03	1215	
A5-1780.50	Feather R DS from Hatchery	11/17/03	1300	Fishy
A5-1780.50	Feather R DS from Hatchery	12/15/03	1210	None
A5-1780.50	Feather R DS from Hatchery	01/13/04	1100	None
A5-1780.50	Feather R DS from Hatchery	02/03/04	1015	
A5-1780.50	Feather R DS from Hatchery	02/10/04	1200	
A5-1780.50	Feather R DS from Hatchery	02/19/04	1100	None
A5-1780.50	Feather R DS from Hatchery	03/10/04	1200	None
A5-1780.50	Feather R DS from Hatchery	04/06/04	1100	None
A5-1740.50	Feather R DS from Hwy 162	03/26/02	1200	
A5-1740.50	Feather R DS from Hwy 162	04/24/02	1130	
A5-1740.50	Feather R DS from Hwy 162	05/21/02	1135	Moss
A5-1740.50	Feather R DS from Hwy 162	06/25/02	1130	None
A5-1740.50	Feather R DS from Hwy 162	07/24/02	1205	None
A5-1740.50	Feather R DS from Hwy 162	08/21/02	0730	None
A5-1740.50	Feather R DS from Hwy 162	09/25/02	0730	None
A5-1740.50	Feather R DS from Hwy 162	10/22/02	0700	Dead Fish
A5-1740.50	Feather R DS from Hwy 162	11/05/02	1025	Dead Fish
A5-1740.50	Feather R DS from Hwy 162	11/14/02	1200	Dead Fish
A5-1740.50	Feather R DS from Hwy 162	12/11/02	1045	
A5-1740.50	Feather R DS from Hwy 162	12/17/02	0900	
A5-1740.50	Feather R DS from Hwy 162	01/14/03	0830	
A5-1740.50	Feather R DS from Hwy 162	02/20/03	0710	
A5-1740.50	Feather R DS from Hwy 162	03/19/03	0630	
A5-1740.50	Feather R DS from Hwy 162	04/17/03	0830	
A5-1740.50	Feather R DS from Hwy 162	05/15/03	0730	
A5-1740.50	Feather R DS from Hwy 162	06/17/03	0810	

Station Number	Station Name	Date	Time	Odor
A5-1740.50	Feather R DS from Hwy 162	07/08/03	0715	
A5-1740.50	Feather R DS from Hwy 162	08/11/03	0800	
A5-1740.50	Feather R DS from Hwy 162	09/17/03	0830	
A5-1740.50	Feather R DS from Hwy 162	10/27/03	0930	Fish
A5-1740.50	Feather R DS from Hwy 162	11/17/03	0940	Dead Fish
A5-1740.50	Feather R DS from Hwy 162	12/15/03	0920	
A5-1740.50	Feather R DS from Hwy 162	01/13/04	0900	
A5-1740.50	Feather R DS from Hwy 162	02/03/04	0800	
A5-1740.50	Feather R DS from Hwy 162	02/10/04	0810	
A5-1740.50	Feather R DS from Hwy 162	02/19/04	0920	None
A5-1740.50	Feather R DS from Hwy 162	03/10/04	0815	None
A5-1740.50	Feather R DS from Hwy 162	04/06/04	0700	None
A5-1712.50	Feather R A Robinson Riffle	03/26/02	1115	None
A5-1712.50	Feather R A Robinson Riffle	04/24/02	1230	None
A5-1712.50	Feather R A Robinson Riffle	05/21/02	1220	None
A5-1712.50	Feather R A Robinson Riffle	06/24/02	1230	None
A5-1712.50	Feather R A Robinson Riffle	07/24/02	1200	None
A5-1712.50	Feather R A Robinson Riffle	08/21/02	0920	None
A5-1712.50	Feather R A Robinson Riffle	09/25/02	0845	None
A5-1712.50	Feather R A Robinson Riffle	10/22/02	0830	Dead Fish
A5-1712.50	Feather R A Robinson Riffle	11/05/02	1105	Dead Fish
A5-1712.50	Feather R A Robinson Riffle	11/14/02	1245	Dead Fish
A5-1712.50	Feather R A Robinson Riffle	12/11/02	1130	Dead Fish
A5-1712.50	Feather R A Robinson Riffle	12/17/02	0945	
A5-1712.50	Feather R A Robinson Riffle	01/14/03	0910	
A5-1712.50	Feather R A Robinson Riffle	02/20/03	0800	
A5-1712.50	Feather R A Robinson Riffle	03/19/03	0730	
A5-1712.50	Feather R A Robinson Riffle	04/17/03	1440	Dirt
A5-1712.50	Feather R A Robinson Riffle	05/15/03	0815	
A5-1712.50	Feather R A Robinson Riffle	06/17/03	0820	
A5-1712.50	Feather R A Robinson Riffle	07/08/03	0840	
A5-1712.50	Feather R A Robinson Riffle	08/11/03	0845	
A5-1712.50	Feather R A Robinson Riffle	09/17/03	0915	
A5-1712.50	Feather R A Robinson Riffle	10/27/03	1055	Fish
A5-1712.50	Feather R A Robinson Riffle	11/15/03	1030	
A5-1712.50	Feather R A Robinson Riffle	01/13/04	1010	
A5-1712.50	Feather R A Robinson Riffle	02/03/04	0840	
A5-1712.50	Feather R A Robinson Riffle	02/10/04	0900	None
A5-1712.50	Feather R A Robinson Riffle	02/19/04	1315	
A5-1712.50	Feather R A Robinson Riffle	03/10/04	0930	None
A5-1712.50	Feather R A Robinson Riffle	04/06/04	0800	

Station Number	Station Name	Date	Time	Odor
A5-1695.50	Feather R US from Afterbay Outlet	03/26/02	1250	
A5-1695.50	Feather R US from Afterbay Outlet	04/24/02	1525	
A5-1695.50	Feather R US from Afterbay Outlet	05/21/02	1520	None
A5-1695.50	Feather R US from Afterbay Outlet	06/25/02	1600	None
A5-1695.50	Feather R US from Afterbay Outlet	07/24/02	1315	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	08/21/02	1150	
A5-1695.50	Feather R US from Afterbay Outlet	09/25/02	1215	None
A5-1695.50	Feather R US from Afterbay Outlet	10/22/02	1205	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	11/05/02	1425	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	11/14/02	1410	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	12/11/02	1315	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	12/17/02	1245	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	01/14/03	1300	Dead Fish
A5-1695.50	Feather R US from Afterbay Outlet	02/20/03	1415	None
A5-1695.50	Feather R US from Afterbay Outlet	03/19/03	1315	None
A5-1695.50	Feather R US from Afterbay Outlet	04/17/03	1245	None
A5-1695.50	Feather R US from Afterbay Outlet	05/15/03	1330	None
A5-1695.50	Feather R US from Afterbay Outlet	06/17/03	1100	None
A5-1695.50	Feather R US from Afterbay Outlet	07/08/03	0800	None
A5-1695.50	Feather R US from Afterbay Outlet	08/11/03	1245	Fishy
A5-1695.50	Feather R US from Afterbay Outlet	09/17/03	1300	Fishy

Station Number	Station Name	Date	Time	Odor
A5-1695.50	Feather R US from Afterbay Outlet	10/27/03	1400	Fishy
A5-1695.50	Feather R US from Afterbay Outlet	11/17/03	1440	Fishy
A5-1695.50	Feather R US from Afterbay Outlet	12/15/03	1350	None
A5-1695.50	Feather R US from Afterbay Outlet	01/13/04	1200	None
A5-1695.50	Feather R US from Afterbay Outlet	02/03/04	1200	None
A5-1695.50	Feather R US from Afterbay Outlet	02/10/04	1310	
A5-1695.50	Feather R US from Afterbay Outlet	02/19/04	1150	None
A5-1695.50	Feather R US from Afterbay Outlet	02/27/04	0850	None
A5-1695.50	Feather R US from Afterbay Outlet	03/10/04	1300	None
A5-1695.50	Feather R US from Afterbay Outlet	04/06/04	1200	None
A5-1687.70	Feather R DS from Afterbay Outlet	03/26/02	1325	
A5-1687.70	Feather R DS from Afterbay Outlet	04/24/02	1655	
A5-1687.70	Feather R DS from Afterbay Outlet	05/21/02	1640	
A5-1687.70	Feather R DS from Afterbay Outlet	06/25/02	1715	None
A5-1687.70	Feather R DS from Afterbay Outlet	07/24/02	1445	None
A5-1687.70	Feather R DS from Afterbay Outlet	08/21/02	1245	
A5-1687.70	Feather R DS from Afterbay Outlet	09/25/02	1300	
A5-1687.70	Feather R DS from Afterbay Outlet	10/22/02	1320	Dead Fish
A5-1687.70	Feather R DS from Afterbay Outlet	11/05/02	1310	Dead Fish
A5-1687.70	Feather R DS from Afterbay Outlet	11/14/02	1520	Dead Fish
A5-1687.70	Feather R DS from Afterbay Outlet	12/11/02	1420	Dead Fish

Station Number	Station Name	Date	Time	Odor
A5-1687.70	Feather R DS from Afterbay Outlet	12/17/02	1345	Dead Fish
A5-1687.70	Feather R DS from Afterbay Outlet	01/14/03	1400	None
A5-1687.70	Feather R DS from Afterbay Outlet	02/20/03	1510	None
A5-1687.70	Feather R DS from Afterbay Outlet	03/19/03	1420	None
A5-1687.70	Feather R DS from Afterbay Outlet	04/17/03	1345	None
A5-1687.70	Feather R DS from Afterbay Outlet	05/15/03	1430	None
A5-1687.70	Feather R DS from Afterbay Outlet	06/17/03	1200	None
A5-1687.70	Feather R DS from Afterbay Outlet	07/08/03	0945	None
A5-1687.70	Feather R DS from Afterbay Outlet	08/11/03	1415	None
A5-1687.70	Feather R DS from Afterbay Outlet	09/17/03	1400	Fishy
A5-1687.70	Feather R DS from Afterbay Outlet	10/27/03	1500	Fishy
A5-1687.70	Feather R DS from Afterbay Outlet	11/17/03	1530	Fishy
A5-1687.70	Feather R DS from Afterbay Outlet	12/15/03	1440	None
A5-1687.70	Feather R DS from Afterbay Outlet	01/13/04	1300	
A5-1687.70	Feather R DS from Afterbay Outlet	02/03/04	1230	
A5-1687.70	Feather R DS from Afterbay Outlet	02/10/04	1400	
A5-1687.70	Feather R DS from Afterbay Outlet	02/19/04	1230	None
A5-1687.70	Feather R DS from Afterbay Outlet	02/27/04	1030	None
A5-1687.70	Feather R DS from Afterbay Outlet	03/10/04	1350	None
A5-1687.70	Feather R DS from Afterbay Outlet	04/06/04	1445	None
A5-1687.20	Feather R DS from SCOR Outlet	03/26/02	1350	None

Station Number	Station Name	Date	Time	Odor
A5-1687.20	Feather R DS from SCOR Outlet	04/24/02	1455	Moss/Algae
A5-1687.20	Feather R DS from SCOR Outlet	05/21/02	1345	None
A5-1687.20	Feather R DS from SCOR Outlet	06/25/02	1345	None
A5-1687.20	Feather R DS from SCOR Outlet	07/24/02	1330	None
A5-1687.20	Feather R DS from SCOR Outlet	08/21/02	1030	Dirt
A5-1687.20	Feather R DS from SCOR Outlet	09/25/02	0950	None
A5-1687.20	Feather R DS from SCOR Outlet	10/22/02	0940	None
A5-1687.20	Feather R DS from SCOR Outlet	11/05/02	1140	Dead Fish
A5-1687.20	Feather R DS from SCOR Outlet	11/14/02	1345	Dead Fish
A5-1687.20	Feather R DS from SCOR Outlet	12/11/02	1230	
A5-1687.20	Feather R DS from SCOR Outlet	12/17/02	1040	
A5-1687.20	Feather R DS from SCOR Outlet	01/14/03	1030	
A5-1687.20	Feather R DS from SCOR Outlet	02/20/03	0915	
A5-1687.20	Feather R DS from SCOR Outlet	03/19/03	0845	
A5-1687.20	Feather R DS from SCOR Outlet	04/17/03	1330	
A5-1687.20	Feather R DS from SCOR Outlet	05/15/03	0930	
A5-1687.20	Feather R DS from SCOR Outlet	06/17/03	0925	None
A5-1687.20	Feather R DS from SCOR Outlet	07/08/03	0940	None
A5-1687.20	Feather R DS from SCOR Outlet	08/11/03	0945	None
A5-1687.20	Feather R DS from SCOR Outlet	09/17/03	1030	Fish
A5-1687.20	Feather R DS from SCOR Outlet	10/27/03	1220	Fish

Station Number	Station Name	Date	Time	Odor
A5-1687.20	Feather R DS from SCOR Outlet	11/17/03	1115	Fish
A5-1687.20	Feather R DS from SCOR Outlet	12/15/03	1100	Dead Fish
A5-1687.20	Feather R DS from SCOR Outlet	01/13/04	1110	
A5-1687.20	Feather R DS from SCOR Outlet	02/03/04	0920	
A5-1687.20	Feather R DS from SCOR Outlet	02/10/04	0955	None
A5-1687.20	Feather R DS from SCOR Outlet	02/19/04	1415	
A5-1687.20	Feather R DS from SCOR Outlet	03/10/04	1050	None
A5-1687.20	Feather R DS from SCOR Outlet	04/06/04	0900	None
A5-1662.50	Feather R NR Mile Long Pond	03/26/02	1445	
A5-1662.50	Feather R NR Mile Long Pond	04/24/02	1745	
A5-1662.50	Feather R NR Mile Long Pond	05/21/02	1745	None
A5-1662.50	Feather R NR Mile Long Pond	06/25/02	1810	None
A5-1662.50	Feather R NR Mile Long Pond	07/24/02	1540	None
A5-1662.50	Feather R NR Mile Long Pond	08/21/02	1400	None
A5-1662.50	Feather R NR Mile Long Pond	09/25/02	1430	None
A5-1662.50	Feather R NR Mile Long Pond	10/22/02	1430	Dead Fish
A5-1662.50	Feather R NR Mile Long Pond	11/05/02	1345	Dead Fish
A5-1662.50	Feather R NR Mile Long Pond	11/14/02	1615	Dead Fish
A5-1662.50	Feather R NR Mile Long Pond	12/11/02	1515	Dead Fish
A5-1662.50	Feather R NR Mile Long Pond	12/17/02	1430	Dead Fish
A5-1662.50	Feather R NR Mile Long Pond	01/14/03	1440	None
A5-1662.50	Feather R NR Mile Long Pond	02/20/03	1615	None
A5-1662.50	Feather R NR Mile Long Pond	03/19/03	1515	None
A5-1662.50	Feather R NR Mile Long Pond	04/17/03	1445	None
A5-1662.50	Feather R NR Mile Long Pond	05/15/03	1345	None
A5-1662.50	Feather R NR Mile Long Pond	06/17/03	1400	None
A5-1662.50	Feather R NR Mile Long Pond	07/08/03	1020	None
A5-1662.50	Feather R NR Mile Long Pond	08/11/03	1340	Dirt
A5-1662.50	Feather R NR Mile Long Pond	09/17/03	1440	Fish
A5-1662.50	Feather R NR Mile Long Pond	10/27/03	1615	Fish
A5-1662.50	Feather R NR Mile Long Pond	11/17/03	1610	Fishy
A5-1662.50	Feather R NR Mile Long Pond	12/15/03	1500	Fishy
A5-1662.50	Feather R NR Mile Long Pond	01/13/04	1415	None
A5-1662.50	Feather R NR Mile Long Pond	02/03/04	2130	

Station Number	Station Name	Date	Time	Odor
A5-1662.50	Feather R NR Mile Long Pond	02/10/04	1450	None
A5-1662.50	Feather R NR Mile Long Pond	02/19/04	1545	
A5-1662.50	Feather R NR Mile Long Pond	03/10/04	1420	None
A5-1662.50	Feather R NR Mile Long Pond	04/06/04	1215	None
A5-1645.50	Feather R DS from Project Boundary	03/26/02	1550	None
A5-1645.50	Feather R DS from Project Boundary	04/24/02	1850	None
A5-1645.50	Feather R DS from Project Boundary	05/21/02	1855	None
A5-1645.50	Feather R DS from Project Boundary	06/25/02	0620	Dirt
A5-1645.50	Feather R DS from Project Boundary	07/24/02	1640	
A5-1645.50	Feather R DS from Project Boundary	08/21/02	1150	Dirt
A5-1645.50	Feather R DS from Project Boundary	09/25/02	1120	Dirt
A5-1645.50	Feather R DS from Project Boundary	10/22/02	1110	None
A5-1645.50	Feather R DS from Project Boundary	11/05/02	1225	Dead Fish
A5-1645.50	Feather R DS from Project Boundary	11/14/02	1045	Dead Fish
A5-1645.50	Feather R DS from Project Boundary	12/11/02	1320	
A5-1645.50	Feather R DS from Project Boundary	12/17/02	1130	None
A5-1645.50	Feather R DS from Project Boundary	01/14/03	1135	None
A5-1645.50	Feather R DS from Project Boundary	02/20/03	1000	None
A5-1645.50	Feather R DS from Project Boundary	03/19/03	1000	None
A5-1645.50	Feather R DS from Project Boundary	04/17/03	1230	None
A5-1645.50	Feather R DS from Project Boundary	05/15/03	1020	
A5-1645.50	Feather R DS from Project Boundary	06/17/03	1045	None
A5-1645.50	Feather R DS from Project Boundary	07/08/03	1030	None

Station Number	Station Name	Date	Time	Odor
A5-1645.50	Feather R DS from Project Boundary	08/11/03	1100	None
A5-1645.50	Feather R DS from Project Boundary	09/17/03	1150	Dead Fish
A5-1645.50	Feather R DS from Project Boundary	10/27/03	1320	Dead Fish
A5-1645.50	Feather R DS from Project Boundary	11/17/03	1215	Dead Fish
A5-1645.50	Feather R DS from Project Boundary	12/15/03	1215	
A5-1645.50	Feather R DS from Project Boundary	01/13/04	1200	
A5-1645.50	Feather R DS from Project Boundary	02/03/04	1010	
A5-1645.50	Feather R DS from Project Boundary	02/10/04	1045	None
A5-1645.50	Feather R DS from Project Boundary	02/19/04	1745	
A5-1645.50	Feather R DS from Project Boundary	02/27/04	1330	
A5-1645.50	Feather R DS from Project Boundary	03/10/04	1155	None
A5-1645.50	Feather R DS from Project Boundary	04/06/04	0950	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	03/27/02	0740	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	04/24/02	0630	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	05/21/02	0630	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	06/25/02	0715	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	07/24/02	1845	Dirt
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	08/21/02	1300	Dirt
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	09/25/02	1220	Dirt
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	10/22/02	1215	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	11/14/02	1000	None

Station Number	Station Name	Date	Time	Odor
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	12/11/02	0945	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	12/17/02	1215	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	01/14/03	1230	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	02/20/03	1100	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	03/19/03	1100	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	04/17/03	1145	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	05/15/03	1140	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	06/17/03	1145	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	07/08/03	1105	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	08/11/03	1200	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	09/17/03	1250	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	10/27/03	1410	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	11/17/03	1300	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	12/15/03	1300	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	01/13/04	1250	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	02/03/04	1050	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	02/10/04	1125	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	02/19/04	1700	
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	03/10/04	1250	None
A5-7010.50	Honcut C A Pacific Ranch NR Palermo	04/06/04	1045	None
A5-1556.50	Feather R A Singh AB Riviera RD	03/26/02	1640	None

Station Number	Station Name	Date	Time	Odor
A5-1556.50	Feather R A Singh AB Riviera RD	04/24/02	0830	None
A5-1556.50	Feather R A Singh AB Riviera RD	05/21/02	0745	None
A5-1556.50	Feather R A Singh AB Riviera RD	06/25/02	0830	Algae
A5-1556.50	Feather R A Singh AB Riviera RD	07/24/02	0705	None
A5-1556.50	Feather R A Singh AB Riviera RD	08/21/02	1410	Dirt
A5-1556.50	Feather R A Singh AB Riviera RD	09/25/02	1330	Dirt
A5-1556.50	Feather R A Singh AB Riviera RD	10/22/02	1320	None
A5-1556.50	Feather R A Singh AB Riviera RD	11/14/02	0830	Dead Fish
A5-1556.50	Feather R A Singh AB Riviera RD	12/11/02	0840	None
A5-1556.50	Feather R A Singh AB Riviera RD	12/17/02	1315	None
A5-1556.50	Feather R A Singh AB Riviera RD	01/14/03	1330	None
A5-1556.50	Feather R A Singh AB Riviera RD	02/20/03	1200	None
A5-1556.50	Feather R A Singh AB Riviera RD	03/19/03	1215	None
A5-1556.50	Feather R A Singh AB Riviera RD	04/17/03	1050	None
A5-1556.50	Feather R A Singh AB Riviera RD	05/15/03	1245	
A5-1556.50	Feather R A Singh AB Riviera RD	06/17/03	1300	None
A5-1556.50	Feather R A Singh AB Riviera RD	07/08/03	1115	None
A5-1556.50	Feather R A Singh AB Riviera RD	08/11/03	1245	Dirt
A5-1556.50	Feather R A Singh AB Riviera RD	09/17/03	1340	None
A5-1556.50	Feather R A Singh AB Riviera RD	10/27/03	1515	Fish
A5-1556.50	Feather R A Singh AB Riviera RD	11/17/03	1400	

Station Number	Station Name	Date	Time	Odor
A5-1556.50	Feather R A Singh AB Riviera RD	12/15/03	1400	
A5-1556.50	Feather R A Singh AB Riviera RD	01/13/04	1415	
A5-1556.50	Feather R A Singh AB Riviera RD	02/03/04	1140	
A5-1556.50	Feather R A Singh AB Riviera RD	02/10/04	1235	None
A5-1556.50	Feather R A Singh AB Riviera RD	02/27/04	1120	None
A5-1556.50	Feather R A Singh AB Riviera RD	03/10/04	1345	None
A5-1556.50	Feather R A Singh AB Riviera RD	04/06/04	1125	None
A5-1516.50	Feather R A Archer Ave	03/27/02	0915	None
A5-1516.50	Feather R A Archer Ave	04/24/02	0910	None
A5-1516.50	Feather R A Archer Ave	05/21/02	0840	None
A5-1516.50	Feather R A Archer Ave	06/25/02	0930	None
A5-1516.50	Feather R A Archer Ave	07/24/02	0750	None
A5-1516.50	Feather R A Archer Ave	08/21/02	0730	Dirt
A5-1516.50	Feather R A Archer Ave	09/25/02	0835	None
A5-1516.50	Feather R A Archer Ave	10/22/02	0720	None
A5-1516.50	Feather R A Archer Ave	11/14/02	0820	None
A5-1516.50	Feather R A Archer Ave	12/11/02	0900	None
A5-1516.50	Feather R A Archer Ave	12/17/02	0815	None
A5-1516.50	Feather R A Archer Ave	01/14/03	0815	None
A5-1516.50	Feather R A Archer Ave	02/20/03	0730	
A5-1516.50	Feather R A Archer Ave	03/19/03	1810	None
A5-1516.50	Feather R A Archer Ave	04/17/03	0930	None
A5-1516.50	Feather R A Archer Ave	05/15/03	0835	
A5-1516.50	Feather R A Archer Ave	06/17/03	1055	None
A5-1516.50	Feather R A Archer Ave	07/08/03	1230	None
A5-1516.50	Feather R A Archer Ave	08/11/03	1215	None
A5-1516.50	Feather R A Archer Ave	09/17/03	0815	None
A5-1516.50	Feather R A Archer Ave	10/27/03	1250	None
A5-1516.50	Feather R A Archer Ave	11/17/03	1100	None
A5-1516.50	Feather R A Archer Ave	12/15/03	1430	None
A5-1516.50	Feather R A Archer Ave	01/13/04	1400	None
A5-1516.50	Feather R A Archer Ave	02/03/04	1335	None
A5-1516.50	Feather R A Archer Ave	02/10/04	1345	None
A5-1516.50	Feather R A Archer Ave	02/19/04	0815	None
A5-1516.50	Feather R A Archer Ave	03/10/04	1650	None

Station Number	Station Name	Date	Time	Odor
A5-1516.50	Feather R A Archer Ave	04/06/04	1615	None
A6-1010.50	Yuba R A Mouth	03/27/02	1120	None
A6-1010.50	Yuba R A Mouth	04/24/02	1115	None
A6-1010.50	Yuba R A Mouth	05/21/02	1000	None
A6-1010.50	Yuba R A Mouth	06/25/02	1020	None
A6-1010.50	Yuba R A Mouth	07/24/02	0850	None
A6-1010.50	Yuba R A Mouth	08/21/02	0820	None
A6-1010.50	Yuba R A Mouth	09/25/02	0950	None
A6-1010.50	Yuba R A Mouth	10/22/02	0820	None
A6-1010.50	Yuba R A Mouth	11/14/02	0915	None
A6-1010.50	Yuba R A Mouth	12/11/02	0945	None
A6-1010.50	Yuba R A Mouth	12/17/02	0900	None
A6-1010.50	Yuba R A Mouth	01/14/03	0910	None
A6-1010.50	Yuba R A Mouth	02/20/03	0840	None
A6-1010.50	Yuba R A Mouth	03/19/03	0910	None
A6-1010.50	Yuba R A Mouth	04/17/03	0930	None
A6-1010.50	Yuba R A Mouth	05/15/03	0835	None
A6-1010.50	Yuba R A Mouth	06/17/03	1055	None
A6-1010.50	Yuba R A Mouth	07/08/03	1230	None
A6-1010.50	Yuba R A Mouth	08/11/03	1215	None
A6-1010.50	Yuba R A Mouth	09/17/03	0815	None
A6-1010.50	Yuba R A Mouth	10/27/03	1250	None
A6-1010.50	Yuba R A Mouth	11/17/03	1200	None
A6-1010.50	Yuba R A Mouth	12/15/03	1220	None
A6-1010.50	Yuba R A Mouth	01/13/04	1310	None
A6-1010.50	Yuba R A Mouth	02/03/04	1140	None
A6-1010.50	Yuba R A Mouth	02/10/04	1150	None
A6-1010.50	Yuba R A Mouth	02/19/04	1015	None
A6-1010.50	Yuba R A Mouth	02/27/04	1230	None
A6-1010.50	Yuba R A Mouth	03/10/04	1610	None
A6-1010.50	Yuba R A Mouth	04/06/04	1100	None
A5-1425.50	Feather R US from Yuba R	03/27/02	1030	None
A5-1425.50	Feather R US from Yuba R	04/24/02	1030	None
A5-1425.50	Feather R US from Yuba R	05/21/02	1040	None
A5-1425.50	Feather R US from Yuba R	06/25/02	1100	Algae
A5-1425.50	Feather R US from Yuba R	07/24/02	1015	None
A5-1425.50	Feather R US from Yuba R	08/21/02	0905	None
A5-1425.50	Feather R US from Yuba R	09/25/02	0920	None
A5-1425.50	Feather R US from Yuba R	10/22/02	0840	None
A5-1425.50	Feather R US from Yuba R	11/14/02	0945	None
A5-1425.50	Feather R US from Yuba R	12/11/02	1015	None

Station Number	Station Name	Date	Time	Odor
A5-1425.50	Feather R US from Yuba R	12/17/02	0930	None
A5-1425.50	Feather R US from Yuba R	01/14/03	0940	None
A5-1425.50	Feather R US from Yuba R	02/20/03	0920	None
A5-1425.50	Feather R US from Yuba R	03/19/03	0950	None
A5-1425.50	Feather R US from Yuba R	04/17/03	0900	None
A5-1425.50	Feather R US from Yuba R	05/15/03	0910	None
A5-1425.50	Feather R US from Yuba R	06/17/03	1120	None
A5-1425.50	Feather R US from Yuba R	07/08/03	1200	None
A5-1425.50	Feather R US from Yuba R	08/11/03	1200	None
A5-1425.50	Feather R US from Yuba R	09/17/03	0945	None
A5-1425.50	Feather R US from Yuba R	10/27/03	1330	None
A5-1425.50	Feather R US from Yuba R	11/17/03	1230	Fishy
A5-1425.50	Feather R US from Yuba R	12/15/03	1300	None
A5-1425.50	Feather R US from Yuba R	01/13/04	1240	None
A5-1425.50	Feather R US from Yuba R	02/03/04	1215	None
A5-1425.50	Feather R US from Yuba R	02/10/04	1215	None
A5-1425.50	Feather R US from Yuba R	02/19/04	0900	None
A5-1425.50	Feather R US from Yuba R	02/27/04	1025	None
A5-1425.50	Feather R US from Yuba R	03/10/04	1500	None
A5-1425.50	Feather R US from Yuba R	04/06/04	1130	None
A5-1389.50	Feather R A Shanghai Bend	03/26/02	1300	None
A5-1389.50	Feather R A Shanghai Bend	04/24/02	1210	None
A5-1389.50	Feather R A Shanghai Bend	05/21/02	1130	None
A5-1389.50	Feather R A Shanghai Bend	06/25/02	1150	Dirt
A5-1389.50	Feather R A Shanghai Bend	07/24/02	0955	None
A5-1389.50	Feather R A Shanghai Bend	08/21/02	0945	Dirt
A5-1389.50	Feather R A Shanghai Bend	09/25/02	1025	Dirt
A5-1389.50	Feather R A Shanghai Bend	10/22/02	0930	None
A5-1389.50	Feather R A Shanghai Bend	11/14/02	1040	None
A5-1389.50	Feather R A Shanghai Bend	12/11/02	1100	None
A5-1389.50	Feather R A Shanghai Bend	12/17/02	1010	None
A5-1389.50	Feather R A Shanghai Bend	01/14/03	1015	None
A5-1389.50	Feather R A Shanghai Bend	02/20/03	1015	
A5-1389.50	Feather R A Shanghai Bend	03/19/03	1030	None
A5-1389.50	Feather R A Shanghai Bend	04/17/03	1000	
A5-1389.50	Feather R A Shanghai Bend	05/15/03	0950	
A5-1389.50	Feather R A Shanghai Bend	06/17/03	1200	
A5-1389.50	Feather R A Shanghai Bend	07/08/03	1300	
A5-1389.50	Feather R A Shanghai Bend	08/11/03	1300	
A5-1389.50	Feather R A Shanghai Bend	09/17/03	0940	
A5-1389.50	Feather R A Shanghai Bend	10/27/03	1400	Rotten Fish
A5-1389.50	Feather R A Shanghai Bend	11/17/03	1300	Rotten Fish

Station Number	Station Name	Date	Time	Odor
A5-1389.50	Feather R A Shanghai Bend	12/15/03	1335	None
A5-1389.50	Feather R A Shanghai Bend	01/13/04	1200	None
A5-1389.50	Feather R A Shanghai Bend	02/03/04	1250	None
A5-1389.50	Feather R A Shanghai Bend	02/10/04	1245	None
A5-1389.50	Feather R A Shanghai Bend	02/19/04	0930	None
A5-1389.50	Feather R A Shanghai Bend	02/27/04	1115	None
A5-1389.50	Feather R A Shanghai Bend	03/10/04	1410	None
A5-1389.50	Feather R A Shanghai Bend	04/06/04	1300	None
A6-5010.50	Bear R NR Mouth	03/27/02	1430	None
A6-5010.50	Bear R NR Mouth	04/24/02	1430	Mud
A6-5010.50	Bear R NR Mouth	05/21/02	1240	Dirt
A6-5010.50	Bear R NR Mouth	06/25/02	1310	Dirt
A6-5010.50	Bear R NR Mouth	07/24/02	1105	Dirt
A6-5010.50	Bear R NR Mouth	08/21/02	1115	Dirt
A6-5010.50	Bear R NR Mouth	09/25/02	1130	Dirt
A6-5010.50	Bear R NR Mouth	10/22/02	1045	Dirt
A6-5010.50	Bear R NR Mouth	11/14/02	1140	None
A6-5010.50	Bear R NR Mouth	12/11/02	1200	None
A6-5010.50	Bear R NR Mouth	12/17/02	1110	None
A6-5010.50	Bear R NR Mouth	01/14/03	1110	None
A6-5010.50	Bear R NR Mouth	02/20/03	1140	None
A6-5010.50	Bear R NR Mouth	03/19/03	1135	None
A6-5010.50	Bear R NR Mouth	04/17/03	1115	None
A6-5010.50	Bear R NR Mouth	05/15/03	1115	None
A6-5010.50	Bear R NR Mouth	06/17/03	1020	None
A6-5010.50	Bear R NR Mouth	07/08/03	1115	None
A6-5010.50	Bear R NR Mouth	08/11/03	1100	None
A6-5010.50	Bear R NR Mouth	09/17/03	1100	None
A6-5010.50	Bear R NR Mouth	10/27/03	1145	None
A6-5010.50	Bear R NR Mouth	11/17/03	1400	None
A6-5010.50	Bear R NR Mouth	12/15/03	1130	None
A6-5010.50	Bear R NR Mouth	01/13/04	1045	None
A6-5010.50	Bear R NR Mouth	02/03/04	1100	None
A6-5010.50	Bear R NR Mouth	02/10/04	1050	None
A6-5010.50	Bear R NR Mouth	02/19/04	1100	None
A6-5010.50	Bear R NR Mouth	03/10/04	1240	None
A6-5010.50	Bear R NR Mouth	04/06/04	1000	None
A5-1010.50	Feather R NR Verona	03/27/02	1515	None
A5-1010.50	Feather R NR Verona	04/24/02	1520	None
A5-1010.50	Feather R NR Verona	05/21/02	1330	None
A5-1010.50	Feather R NR Verona	06/25/02	1400	Dirt

Station Number	Station Name	Date	Time	Odor
A5-1010.50	Feather R NR Verona	07/24/02	1320	None
A5-1010.50	Feather R NR Verona	08/21/02	1215	None
A5-1010.50	Feather R NR Verona	09/25/02	1400	None
A5-1010.50	Feather R NR Verona	10/22/02	1135	None
A5-1010.50	Feather R NR Verona	11/14/02	1230	None
A5-1010.50	Feather R NR Verona	12/11/02	1300	None
A5-1010.50	Feather R NR Verona	12/17/02	1210	None
A5-1010.50	Feather R NR Verona	01/14/03	1215	None
A5-1010.50	Feather R NR Verona	02/20/00	1230	None
A5-1010.50	Feather R NR Verona	03/19/03	1230	None
A5-1010.50	Feather R NR Verona	04/17/03	1215	
A5-1010.50	Feather R NR Verona	05/15/03	1215	
A5-1010.50	Feather R NR Verona	06/17/03	0930	
A5-1010.50	Feather R NR Verona	07/08/03	1015	
A5-1010.50	Feather R NR Verona	08/11/03	1000	
A5-1010.50	Feather R NR Verona	09/17/03	1200	
A5-1010.50	Feather R NR Verona	10/27/03	1100	None
A5-1010.50	Feather R NR Verona	11/17/03	1500	None
A5-1010.50	Feather R NR Verona	12/15/03	1030	None
A5-1010.50	Feather R NR Verona	01/13/04	0950	
A5-1010.50	Feather R NR Verona	02/03/04	1005	None
A5-1010.50	Feather R NR Verona	02/10/04	0950	None
A5-1010.50	Feather R NR Verona	02/19/04	1200	None
A5-1010.50	Feather R NR Verona	02/27/04	0850	None
A5-1010.50	Feather R NR Verona	03/10/04	0915	None
A5-1010.50	Feather R NR Verona	04/06/04	0850	None
AO-2157.50	Sacramento R US from Feather R	03/27/02	1630	None
AO-2157.50	Sacramento R US from Feather R	04/24/02	1730	Mud
AO-2157.50	Sacramento R US from Feather R	05/21/02	1445	None
AO-2157.50	Sacramento R US from Feather R	06/25/02	1515	None
AO-2157.50	Sacramento R US from Feather R	07/24/02	1215	None
AO-2157.50	Sacramento R US from Feather R	08/21/02	1330	None
AO-2157.50	Sacramento R US from Feather R	09/25/02	1300	None
AO-2157.50	Sacramento R US from Feather R	10/22/02	1245	None

Station Number	Station Name	Date	Time	Odor
AO-2157.50	Sacramento R US from Feather R	11/14/02	1430	None
AO-2157.50	Sacramento R US from Feather R	12/11/02	1415	None
AO-2157.50	Sacramento R US from Feather R	12/17/02		
AO-2157.50	Sacramento R US from Feather R	01/14/03	1330	None
AO-2157.50	Sacramento R US from Feather R	02/20/03	1345	None
AO-2157.50	Sacramento R US from Feather R	03/19/03	1330	None
AO-2157.50	Sacramento R US from Feather R	04/17/03	1330	
AO-2157.50	Sacramento R US from Feather R	05/15/03	1330	
AO-2157.50	Sacramento R US from Feather R	06/17/03	0815	
AO-2157.50	Sacramento R US from Feather R	07/08/03	0855	
AO-2157.50	Sacramento R US from Feather R	08/11/03	0830	
AO-2157.50	Sacramento R US from Feather R	09/17/03	1315	
AO-2157.50	Sacramento R US from Feather R	10/27/03	0930	None
AO-2157.50	Sacramento R US from Feather R	11/17/03	1620	None
AO-2157.50	Sacramento R US from Feather R	12/15/03	0920	None
AO-2157.50	Sacramento R US from Feather R	01/13/04	0830	None
AO-2157.50	Sacramento R US from Feather R	02/03/04	0850	None
AO-2157.50	Sacramento R US from Feather R	02/10/04	0830	None
AO-2157.50	Sacramento R US from Feather R	02/19/04	1310	None
AO-2157.50	Sacramento R US from Feather R	03/10/04	1045	None
AO-2157.50	Sacramento R US from Feather R	04/06/04	0725	None