Appendix A. Plots Showing Relations of Reservoir Storage, Surface Water Elevation, and Time, Camp Far West Reservoir, California.

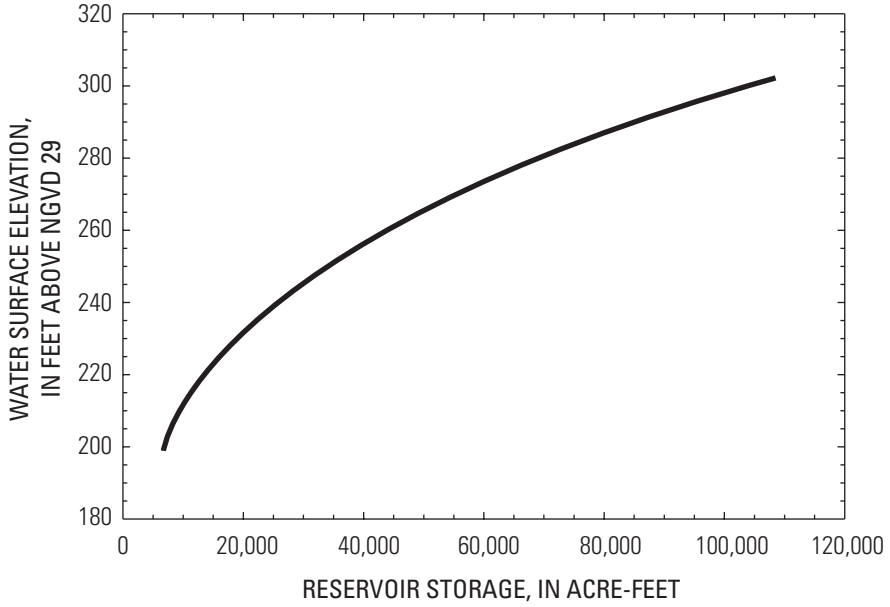

Figure A1. Plot showing relation of reservoir storage to surface water elevation. Information provided by the South Sutter Water District.

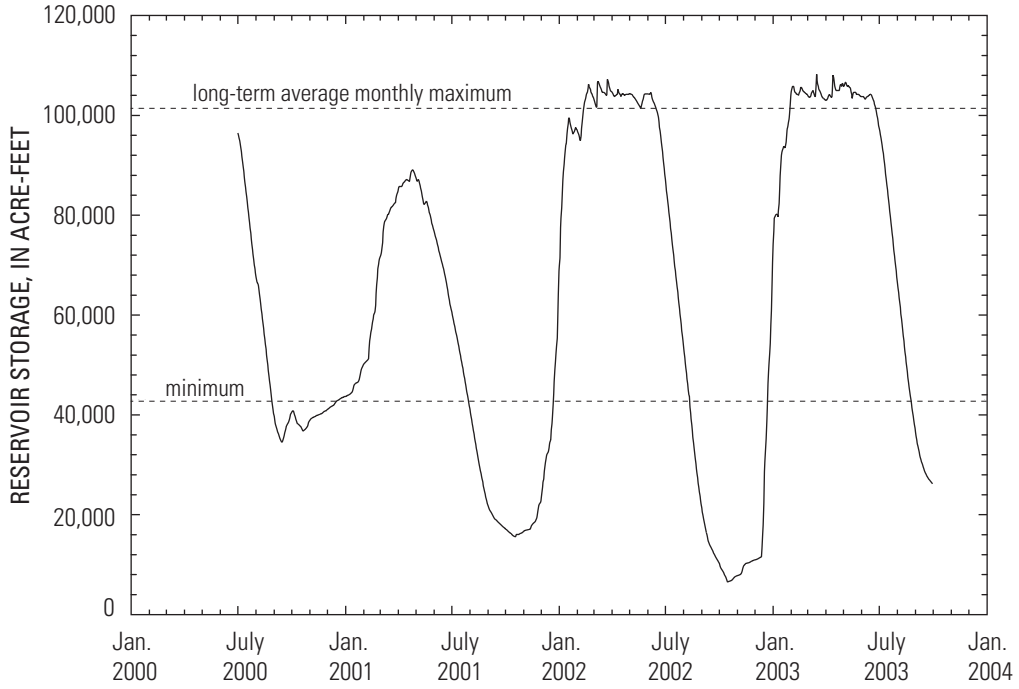

Figure A2. Time-series plot showing storage during the period July 1, 2000 through September 30, 2003. Data provided by the South Sutter Water District. Long-term average monthly storage data from the California Department of Water Resources, California Data Exchange Center.

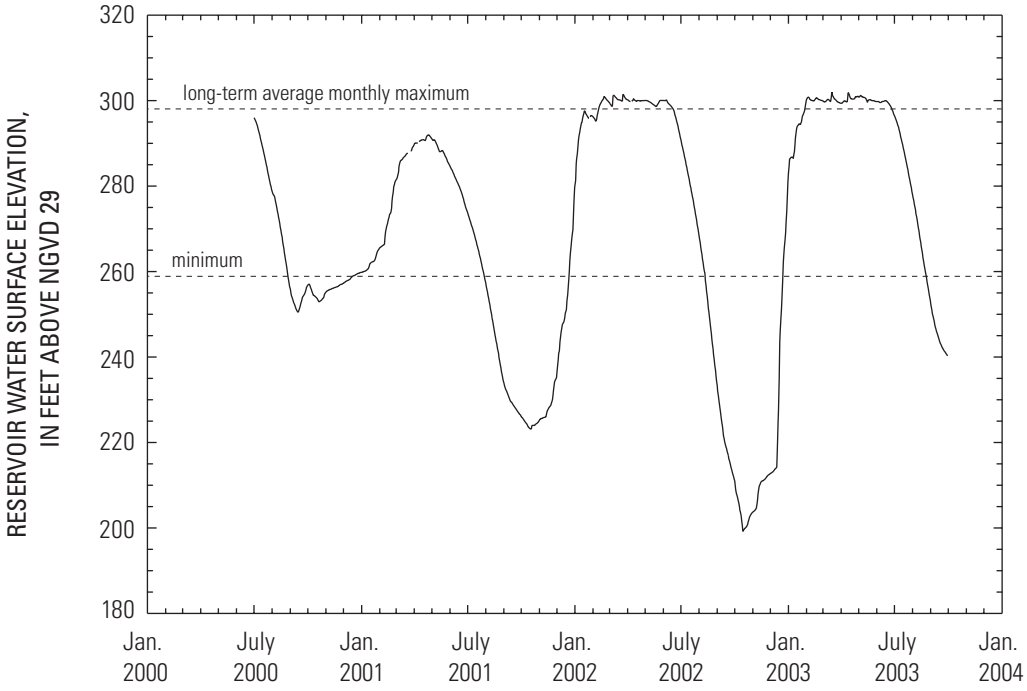

Figure A3. Time-series plot showing surface-water elevation during the period July 1, 2000 through September 30, 2003. Long-term average monthly elevation data computed from the elevation-storage relation in figure A1 using data from the California Department of Water Resources, California Data Exchange Center.

Appendix B. Tables Describing Sampling Stations and Frequency of Sampling, Camp Far West Reservoir and Vicinity, California.

Table B1. Description of sampling stations in Camp Far West Reservoir and vicinity, California.

[Thalweg, former river channel (low elevation path); USGS, U.S. Geological Survey; –, not applicable; ft, feet; NGVD 29, National Geodetic Vertical Datum of 1929; NAD 83, North American Datum of 1983; DMS, degrees-minutes-seconds format]

Site No. (fig. 5)	Station No.	Short name	Station code	Station name	Site characteristic	Township (North)	Range (East)	Section	Elevation ft above NGVD 29 (reservoir spillway elevation)	County
1	390317121185001	Lower Reservoir, Shallow	LRS	Camp Far West Res 0.3 mi north of dam abutment	Reservoir	14	6	21	300	Yuba
2	390307121183801	Lower Reservoir, Thalweg	LRT	Camp Far West Reservoir in thalweg near dam, near Wheatland	Reservoir	14	6	21	300	Yuba-Placer
3	390244121171801	Mid-reservoir, Shallow	MRS	Camp Far West Reservoir east shoreline 1.6 mi above dam	Reservoir	14	6	22	300	Yuba
4	390238121173101	Mid-reservoir, Thalweg	MRT	Camp Far West Reservoir in thalweg 1.5 mi above dam	Reservoir	14	6	22	300	Yuba-Placer
5	390202121162201	Bear River Arm	BRA	Camp Far West Reservoir Bear River Arm near Wheatland	Reservoir	14	6	26	300	Nevada-Placer
6	390159121171401	Dairy Farm Arm	DFA	Camp Far West Res Dairy Farm Arm near Wheatland	Reservoir	14	6	27	300	Placer
7	390331121174101	Rock Creek Arm	RCA	Camp Far West Reservoir – Rock Creek Arm near Wheatland	Reservoir	14	6	15	300	Yuba
8	390148121171701	Dairy Farm Mine Pit Lake	DFP	Dairy Farm Mine pit lake near Wheatland	Pit Lake	14	6	27	300	Placer
9	390152121171001	Dairy Farm Mine Impoundment	DFI	Camp Far West Reservoir impoundment Dairy Farm Mine arm	Mine Impoundment	14	6	27	300	Placer
10	proposed 390309121183601	–	–	Camp Far West Reservoir in thalweg 0.37 mi east of northern abutment of dam	Reservoir	14	6	21	300	Yuba-Placer
11	proposed 390309121181801	–	–	Camp Far West Reservoir in thalweg 0.62 mi east of northern abutment of dam	Reservoir	14	6	21	300	Yuba-Placer
12	proposed 390248121175401	–	–	Camp Far West Reservoir in thalweg 0.99 mi east-south-east of northern abutment of dam	Reservoir	14	6	22	300	Yuba-Placer
13	proposed 390222121173001	–	–	Camp Far West Reservoir in thalweg 1.55 mi east-south-east of northern abutment of dam	Reservoir	14	6	27	300	Yuba-Placer
14	proposed 390212121172101	–	–	Camp Far West Reservoir in thalweg 1.75 mi east-south-east of northern abutment of dam	Reservoir	14	6	27	300	Yuba-Placer
15	proposed 390209121170101	–	–	Camp Far West Reservoir in thalweg 2.04 mi east-south-east of northern abutment of dam	Reservoir	14	6	26	300	Yuba-Placer
16	proposed 390155121161101	–	–	Camp Far West Reservoir in thalweg 2.80 mi east-south-east of northern abutment of dam	Reservoir	14	6	26	300	Nevada-Placer
17	proposed 390317121181001	–	–	Camp Far West Reservoir in thalweg of Rock Creek Arm 0.80 mi east-north-east of northern dam abutment	Reservoir	14	6	22	300	Yuba
18	proposed 390320121175601	–	–	Camp Far West Reservoir in thalweg of Rock Creek Arm 1.00 mi east-north-east of northern dam abutment	Reservoir	14	6	22	300	Yuba
19	proposed 390329121175001	–	–	Camp Far West Reservoir Rock Creek Arm 1.13 mi east-north-east of northern dam abutment	Reservoir	14	6	15	300	Yuba
20	proposed 390350121171401	–	–	Camp Far West Reservoir Rock Creek Arm 1.80 mi east-north-east of northern dam abutment	Reservoir	14	6	15	300	Yuba

Table B1. Description of sampling stations in Camp Far West Reservoir and vicinity, California.—*Continued*

[Thalweg, former river channel (low elevation path); USGS, U.S. Geological Survey; –, not applicable; ft, feet; NGVD 29, National Geodetic Vertical Datum of 1929; NAD 83, North American Datum of 1983; DMS, degrees-minutes-seconds format]

Site No. (fig. 5)	Station No.	Short name	USGS 7.5-minute quadrangle	Station description	Latitude NAD83 (DMS)	Longitude NAD83 (DMS)
1	390317121185001	Lower Reservoir, Shallow	Camp Far West	The site is in the lower portion of Camp Far West Reservoir, about 1,500 ft northeast of the spillway on the north abutment of the dam.	39 03 17	121 18 54
2	390307121183801	Lower Reservoir, Thalweg	Camp Far West	The site is in the lower portion of Camp Far West Reservoir, in the thalweg about 1,500 ft northeast of the center of the dam. This is apparently the deepest place in the reservoir.	39 03 07	121 18 42
3	390244121171801	Mid-reservoir, Shallow	Camp Far West	The site is in the middle portion of Camp Far West Reservoir along the east shoreline, about 3,000 ft east-northeast of the boat ramp for the South Side Campground.	39 02 44	121 17 22
4	390238121173101	Mid-reservoir, Thalweg	Camp Far West	The site is in the middle portion of Camp Far West Reservoir in the thalweg, about 2,000 ft due east of the boat ramp for the South Side Campground.	39 02 38	121 17 35
5	390202121162201	Bear River Arm	Camp Far West	The site is in the Bear River Arm of Camp Far West Reservoir, about 1,500 ft downstream of Fenton Gulch. The site is located in the thalweg about 200 ft upstream of the high voltage lines.	39 02 02	121 16 26
6	390159121171401	Dairy Farm Arm	Camp Far West	The site is in the Dairy Farm Arm of Camp Far West Reservoir, about 1,300 ft south of the Bear River thalweg.	39 01 59	121 17 18
7	390331121174101	Rock Creek Arm	Camp Far West	0.6 mile upstream of confluence of Rock Creek Arm and Camp Far West Reservoir, approximately 7.65 mi northeast of Wheatland	39 03 31	121 17 45
8	390148121171701	Dairy Farm Mine Pit Lake	Camp Far West	The site is in the Dairy Farm Mine pit lake, located about 1,000 ft east-northeast of the intersection of McCourtney Road and Karchner Road.	39 01 48	121 17 21
9	390152121171001	Dairy Farm Mine Impoundment	Camp Far West	The site is in the Dairy Farm Mine arm of Camp Far West Reservoir, in an impoundment below a waste rock pile east of the mine pit. The impoundment is exposed only when Camp Far West Reservoir is at low stage (less than about 235 ft above NGVD 29).	39 01 52	121 17 14
10	proposed 390309121183601	–	Camp Far West	The site is in the lower portion of Camp Far West Reservoir in the middle of the thalweg, about 1,200 ft southwest of the boat launch at the North Side campground. Also located about 2,000 ft northeast of where the road as it goes across the dam.	39 03 09	121 18 36
11	proposed 390309121181801	–	Camp Far West	The site is in the lower portion of Camp far West Reservoir in the middle of the thalweg just above where Rock Creek Arm joins the Bear River Arm. Also located about 1,200 ft southeast of the boat launch at the North Side campground.	39 03 09	121 18 18
12	proposed 390248121175401	–	Camp Far West	The site is in the middle portion of Camp Far West Reservoir, in the thalweg of the Bear River Arm, about 800 ft north-northeast of the boat ramp for the South Side campground.	39 02 48	121 17 54
13	proposed 390222121173001	–	Camp Far West	The site is in the middle portion of Camp Far West Reservoir, in the thalweg of the Bear River Arm, about 3,000 ft southeast of the boat ramp for the South Side campground.	39 02 22	121 17 30
14	proposed 390212121172101	–	Camp Far West	The site is in the middle portion of Camp Far West Reservoir, in the thalweg of the Bear River Arm, about 500 ft north of the entrance to Dairy Farm Arm.	39 02 12	121 17 21
15	proposed 390209121170101	–	Camp Far West	The site is in the southeastern portion of Camp Far West Reservoir, in the thalweg of the Bear River Arm, about 2,800 ft downstream of where the high voltage lines cross over the reservoir.	39 02 09	121 17 01
16	proposed 390155121161101	–	Camp Far West	The site is in the southeastern portion of Camp Far West Reservoir, in the thalweg of the Bear River Arm, about 1,500 ft upstream of where the high voltage lines cross over the reservoir, and just upstream of the Fenton Ravine Arm.	39 01 55	121 16 11
17	proposed 390317121181001	–	Camp Far West	The site is in the northeast portion of Camp Far West Reservoir (near the lower portion) in the thalweg of the Rock Creek Arm, about 1,400 ft southeast of the boat launch for the North Side campground.	39 03 17	121 18 10
18	proposed 390320121175601	–	Camp Far West	The site is in the northeastern portion of Camp Far West reservoir, in the thalweg of the Rock Creek Arm, about 2,500 ft east of the boat launch for the North Side campground.	39 03 20	121 17 56
19	proposed 390329121175001	–	Camp Far West	The site is in the northeastern portion of Camp Far West Reservoir in the Rock Creek Arm, about 3,000 ft northeast of the boat launch for the North Side campground.	39 03 29	121 17 50
20	proposed 390350121171401	–	Camp Far West	The site is in the northeastern portion of Camp Far West Reservoir, in the Rock Creek Arm, about 5,200 ft northeast of the boat launch for the North Side campground.	39 03 50	121 17 14

Table B2. Frequency of sampling and monitoring at sampling stations for the Bear River Mercury Cycling Project, Camp Far West Reservoir, California, 2001–03.

[A, annual; B, bimonthly; C, intermittent (see appendix C, tables C1–C2); Q, quarterly; S, semiannual; E, experimental amendments performed with sediment samples; USGS, U.S. Geological Survey. Project task leader: a, C.N. Alpers (USGS), data in this report; b, A.R. Stewart, U.S. Geological Survey (USGS); c, M.K. Saiki (USGS); d, M.C. Marvin-DiPasquale (USGS); e, J.S. Kuwabara (USGS) (Kuwabara and others, 2003). na, not applicable]

Map site number (fig. 5)	Short name	Station code	Water quality profile monitoring	Water quality sampling	Plankton sampling	Fish and invertebrate sampling	Fish-gut content monitoring	Sediment sampling	Flux from sediment
1	Lower Reservoir, Shallow	LRS	na	8Q	8Q	2A	12B	6Q	na
2	Lower Reservoir, Thalweg	LRT	14C	8Q	na	na	na	[1]6Q, 2E	[1]2S
3	Mid-reservoir, Shallow	MRS	na	8Q	8Q	na	na	6Q	na
4	Mid-reservoir, Thalweg	MRT	16C	8Q	na	na	na	6Q	2S
5	Bear River Arm	BRA	11C	8Q	8Q	2A	12B	[1]6Q, 2E	[1]2S
6	Dairy Farm Arm	DFA	2C	8Q	na	na	na	6Q	na
7	Rock Creek Arm	RCA	5C	3	2	2A	12B	na	na
8	Dairy Farm Mine Pit Lake	DFP	na	8Q	na	na	na	na	na
9	Dairy Farm Mine Impoundments	DFI	na	4	na	na	na	na	na
	Project task leader		a	a	b	c	c	d	e

[1]In November 2002, extreme drawdown necessitated moving sampling sites small distances from the exact location previously sampled.

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Appendix C. Tables of Data Describing Water-Column Profiles, Camp Far West Reservoir, California.

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 01	11/28/2001	8:15	16	234.6	218.6	–	13.3	143	–	8.6	7.2
site 01	11/28/2001	8:15	33	234.6	201.6	–	13.2	147	–	8.2	7.1
site 01	11/28/2001	8:15	49	234.6	185.6	–	12.9	225	–	7.6	7.1
site 01	08/06/2002	16:00	5	263.0	258.0	–	26.4	85	–	7.5	7.6
site 01	08/06/2002	16:00	10	263.0	253.0	–	26.0	85	–	7.3	7.9
site 01	08/06/2002	16:00	15	263.0	248.0	–	26.0	85	–	7.2	7.9
site 01	08/06/2002	16:00	20	263.0	243.0	–	26.0	85	–	6.9	7.8
site 01	08/06/2002	16:00	21	263.0	242.0	–	26.0	85	–	6.7	7.8
site 01	08/06/2002	16:00	22	263.0	241.0	–	26.0	85	–	6.6	7.7
site 01	11/06/2002	–	1	204.4	203.4	–	14.0	120	78	8.1	7.3
site 01	11/06/2002	–	5	204.4	199.4	–	13.8	120	76	7.9	7.3
site 01	11/06/2002	–	10	204.4	194.4	–	13.8	120	76	7.8	7.3
site 01	11/06/2002	–	15	204.4	189.4	–	13.8	119	76	7.8	7.3
site 01	11/06/2002	–	20	204.4	184.4	–	13.8	120	76	7.9	7.3
site 01	11/06/2002	–	25	204.4	179.4	–	13.8	119	76	7.9	7.4
site 02	11/01/2001	8:00	5	225.2	220.2	140.2	17.3	144	–	7.8	7.1
site 02	11/01/2001	8:00	10	225.2	215.2	140.2	17.3	144	–	7.7	7.1
site 02	11/01/2001	8:00	15	225.2	210.2	140.2	17.3	144	–	7.8	7.2
site 02	11/01/2001	8:00	20	225.2	205.2	140.2	17.3	144	–	7.8	7.2
site 02	11/01/2001	8:00	25	225.2	200.2	140.2	17.2	144	–	8.0	7.2
site 02	11/01/2001	8:00	30	225.2	195.2	140.2	17.2	144	–	7.9	7.2
site 02	11/01/2001	8:00	35	225.2	190.2	140.2	17.2	144	–	7.9	7.2
site 02	11/01/2001	8:00	40	225.2	185.2	140.2	17.1	144	–	7.2	7.1
site 02	11/01/2001	8:00	45	225.2	180.2	140.2	16.6	144	–	5.2	7.0
site 02	11/01/2001	8:00	50	225.2	175.2	140.2	16.1	144	–	3.6	7.0
site 02	11/01/2001	8:00	55	225.2	170.2	140.2	15.6	151	–	2.1	6.9
site 02	11/01/2001	8:00	60	225.2	165.2	140.2	13.0	145	–	0.62	6.9
site 02	11/01/2001	8:00	65	225.2	160.2	140.2	12.0	143	–	0.27	6.8
site 02	11/01/2001	8:00	70	225.2	155.2	140.2	11.4	150	–	0.18	6.8
site 02	11/01/2001	8:00	75	225.2	150.2	140.2	11.3	161	–	0.15	6.7
site 02	11/01/2001	8:00	80	225.2	145.2	140.2	11.2	177	–	0.14	6.6
site 02	11/01/2001	8:00	85	225.2	140.2	140.2	11.2	198	–	0.13	6.7
site 02	11/28/2001	8:00	16	234.6	218.6	140.2	13.3	134	–	8.6	7.2
site 02	11/28/2001	8:00	33	234.6	201.6	140.2	13.2	136	–	8.2	7.1
site 02	11/28/2001	8:00	49	234.6	185.6	140.2	12.9	225	–	7.6	7.1
site 02	11/28/2001	8:00	66	234.6	168.6	140.2	12.1	139	–	5.5	7.0
site 02	11/28/2001	8:00	82	234.6	152.6	140.2	11.8	238	–	2.3	6.7
site 02	11/28/2001	8:00	92	234.6	142.6	140.2	11.2	–	–	0.8	6.7
site 02	01/02/2002	–	5	281.3	276.3	140.2	10.2	110	–	11.1	6.6
site 02	01/02/2002	–	10	281.3	271.3	140.2	9.9	119	–	11.1	6.8
site 02	01/02/2002	–	15	281.3	266.3	140.2	9.4	129	–	11.1	6.8

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	01/02/2002	–	20	281.3	261.3	140.2	9.1	132	–	10.8	6.8
site 02	01/02/2002	–	25	281.3	256.3	140.2	8.6	122	–	10.8	6.8
site 02	01/02/2002	–	30	281.3	251.3	140.2	8.5	118	–	10.8	6.8
site 02	01/02/2002	–	35	281.3	246.3	140.2	8.4	117	–	10.8	6.8
site 02	01/02/2002	–	40	281.3	241.3	140.2	8.4	116	–	10.8	6.8
site 02	02/12/2002	–	8	298.8	290.8	140.2	9.5	111	–	13.3	7.9
site 02	02/12/2002	–	10	298.8	288.8	140.2	8.9	110	–	12.0	7.6
site 02	02/12/2002	–	60	298.8	238.8	140.2	7.5	108	–	12.1	7.4
site 02	02/12/2002	–	65	298.8	233.8	140.2	7.6	99	–	12.5	7.4
site 02	02/12/2002	–	120	298.8	178.8	140.2	6.7	93	–	12.3	7.4
site 02	04/22/2002	–	1	299.9	298.9	140.2	18.4	153	109	10.1	–
site 02	04/22/2002	–	10	299.9	289.9	140.2	17.2	154	107	10.3	–
site 02	04/22/2002	–	20	299.9	279.9	140.2	15.8	151	102	10.1	–
site 02	04/22/2002	–	30	299.9	269.9	140.2	13.2	144	94	9.8	–
site 02	04/22/2002	–	40	299.9	259.9	140.2	12.6	141	92	9.8	–
site 02	04/22/2002	–	50	299.9	249.9	140.2	11.8	151	98	9.7	–
site 02	04/22/2002	–	60	299.9	239.9	140.2	11.3	155	89	9.7	–
site 02	04/22/2002	–	70	299.9	229.9	140.2	10.8	156	88	9.7	–
site 02	04/22/2002	–	80	299.9	219.9	140.2	10.1	155	87	9.8	–
site 02	04/22/2002	–	90	299.9	209.9	140.2	9.7	154	87	9.8	–
site 02	04/22/2002	–	100	299.9	199.9	140.2	9.4	154	86	9.9	–
site 02	04/22/2002	–	105	299.9	194.9	140.2	9.4	154	86	9.7	–
site 02	04/22/2002	–	110	299.9	189.9	140.2	9.3	154	85	9.8	–
site 02	04/22/2002	–	115	299.9	184.9	140.2	9.2	154	85	9.8	–
site 02	04/22/2002	–	120	299.9	179.9	140.2	9.2	154	85	9.8	–
site 02	04/22/2002	–	125	299.9	174.9	140.2	9.2	154	85	9.7	–
site 02	04/22/2002	–	130	299.9	169.9	140.2	9.2	154	85	9.7	–
site 02	04/22/2002	–	135	299.9	164.9	140.2	9.2	154	84	9.6	–
site 02	04/22/2002	–	140	299.9	159.9	140.2	9.2	155	83	9.6	–
site 02	04/22/2002	–	145	299.9	154.9	140.2	9.1	155	83	9.6	–
site 02	04/22/2002	–	150	299.9	149.9	140.2	9.1	156	82	9.4	–
site 02	06/18/2002	12:15	1	298.0	297.0	140.2	25.8	76	–	8.8	8.3
site 02	06/18/2002	12:15	5	298.0	293.0	140.2	25.2	76	–	9.0	8.4
site 02	06/18/2002	12:15	10	298.0	288.0	140.2	24.8	76	–	9.0	8.3
site 02	06/18/2002	12:15	15	298.0	283.0	140.2	23.9	75	–	9.2	8.4
site 02	06/18/2002	12:15	20	298.0	278.0	140.2	21.6	72	–	10.0	8.5
site 02	06/18/2002	12:15	25	298.0	273.0	140.2	21.2	71	–	9.7	8.4
site 02	06/18/2002	12:15	30	298.0	268.0	140.2	20.5	69	–	9.0	7.2
site 02	06/18/2002	12:15	35	298.0	263.0	140.2	19.5	68	–	8.7	7.3
site 02	06/18/2002	12:15	40	298.0	258.0	140.2	18.8	67	–	8.0	6.9
site 02	06/18/2002	12:15	50	298.0	248.0	140.2	17.8	67	–	7.8	6.8
site 02	06/18/2002	12:15	60	298.0	238.0	140.2	16.6	67	–	7.6	6.8

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	06/18/2002	12:15	70	298.0	228.0	140.2	15.5	67	–	7.5	6.7
site 02	06/18/2002	12:15	80	298.0	218.0	140.2	14.1	68	–	7.7	6.7
site 02	06/18/2002	12:15	90	298.0	208.0	140.2	12.3	71	–	7.8	6.4
site 02	06/18/2002	12:15	100	298.0	198.0	140.2	11.2	75	–	7.9	6.4
site 02	06/18/2002	12:15	110	298.0	188.0	140.2	10.7	78	–	7.7	6.3
site 02	06/18/2002	12:15	120	298.0	178.0	140.2	10.5	79	–	7.7	6.4
site 02	06/18/2002	12:15	130	298.0	168.0	140.2	10.4	79	–	7.6	6.4
site 02	06/18/2002	12:15	140	298.0	158.0	140.2	10.3	81	–	7.9	6.4
site 02	08/07/2002	–	1	263.0	262.0	140.2	26.0	89	98	7.9	7.5
site 02	08/07/2002	–	5	263.0	258.0	140.2	25.5	89	96	7.9	7.3
site 02	08/07/2002	–	15	263.0	248.0	140.2	25.5	89	82	7.6	7.1
site 02	08/07/2002	–	25	263.0	238.0	140.2	25.5	88	87	7.2	7.0
site 02	08/07/2002	–	35	263.0	228.0	140.2	24.5	89	54	5.0	6.8
site 02	08/07/2002	–	44	263.0	219.0	140.2	23.0	80	25	2.2	6.4
site 02	08/07/2002	–	45	263.0	218.0	140.2	21.0	74	21	1.9	6.6
site 02	08/07/2002	–	45	263.0	218.0	140.2	20.5	74	23	2.0	6.7
site 02	08/07/2002	–	46	263.0	217.0	140.2	20.5	70	22	2.0	6.6
site 02	08/07/2002	–	47	263.0	216.0	140.2	20.0	74	23	2.0	6.6
site 02	08/07/2002	–	48	263.0	215.0	140.2	18.9	71	25	2.3	6.8
site 02	08/07/2002	–	49	263.0	214.0	140.2	16.0	71	33	3.1	7.1
site 02	08/07/2002	–	50	263.0	213.0	140.2	16.5	78	40	4.2	7.3
site 02	08/07/2002	–	55	263.0	208.0	140.2	13.0	79	44	4.7	6.5
site 02	08/07/2002	–	65	263.0	198.0	140.2	11.0	84	43	4.7	6.5
site 02	08/07/2002	–	75	263.0	188.0	140.2	11.0	87	41	4.6	6.5
site 02	08/07/2002	–	80	263.0	183.0	140.2	10.5	87	39	4.6	6.5
site 02	08/07/2002	–	85	263.0	178.0	140.2	10.5	88	37	4.1	6.5
site 02	08/07/2002	–	90	263.0	173.0	140.2	10.5	88	35	3.9	6.6
site 02	08/07/2002	–	95	263.0	168.0	140.2	10.5	89	30	3.4	6.8
site 02	08/07/2002	–	100	263.0	163.0	140.2	10.5	89	33	3.6	7.0
site 02	08/07/2002	–	113	263.0	150.0	140.2	10.5	89	32	3.5	7.0
site 02	09/06/2002	9:45	1	227.8	226.8	140.2	23.4	101	83	7.1	7.4
site 02	09/06/2002	9:45	5	227.8	222.8	140.2	23.4	101	83	7.1	7.4
site 02	09/06/2002	9:45	10	227.8	217.8	140.2	23.4	100	83	7.1	7.4
site 02	09/06/2002	9:45	20	227.8	207.8	140.2	23.4	100	83	7.1	7.4
site 02	09/06/2002	9:45	25	227.8	202.8	140.2	23.3	100	82	7.0	7.3
site 02	09/06/2002	9:45	30	227.8	197.8	140.2	23.3	100	80	6.8	7.2
site 02	09/06/2002	9:45	35	227.8	192.8	140.2	22.2	100	55	4.7	6.8
site 02	09/06/2002	9:45	40	227.8	187.8	140.2	20.2	91	4.8	0.4	6.4
site 02	09/06/2002	9:45	45	227.8	182.8	140.2	16.0	81	6.7	0.7	6.5
site 02	09/06/2002	9:45	50	227.8	177.8	140.2	11.9	94	8.0	0.9	6.6
site 02	09/06/2002	9:45	56	227.8	171.8	140.2	11.2	95	3.7	0.4	6.5
site 02	09/06/2002	9:45	57	227.8	170.8	140.2	11.3	95	3.7	0.4	6.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	06/18/2002	12:15	70	298.0	228.0	140.2	15.5	67	–	7.5	6.7
site 02	06/18/2002	12:15	80	298.0	218.0	140.2	14.1	68	–	7.7	6.7
site 02	06/18/2002	12:15	90	298.0	208.0	140.2	12.3	71	–	7.8	6.4
site 02	06/18/2002	12:15	100	298.0	198.0	140.2	11.2	75	–	7.9	6.4
site 02	06/18/2002	12:15	110	298.0	188.0	140.2	10.7	78	–	7.7	6.3
site 02	06/18/2002	12:15	120	298.0	178.0	140.2	10.5	79	–	7.7	6.4
site 02	06/18/2002	12:15	130	298.0	168.0	140.2	10.4	79	–	7.6	6.4
site 02	06/18/2002	12:15	140	298.0	158.0	140.2	10.3	81	–	7.9	6.4
site 02	08/07/2002	–	1	263.0	262.0	140.2	26.0	89	98	7.9	7.5
site 02	08/07/2002	–	5	263.0	258.0	140.2	25.5	89	96	7.9	7.3
site 02	08/07/2002	–	15	263.0	248.0	140.2	25.5	89	82	7.6	7.1
site 02	08/07/2002	–	25	263.0	238.0	140.2	25.5	88	87	7.2	7.0
site 02	08/07/2002	–	35	263.0	228.0	140.2	24.5	89	54	5.0	6.8
site 02	08/07/2002	–	44	263.0	219.0	140.2	23.0	80	25	2.2	6.4
site 02	08/07/2002	–	45	263.0	218.0	140.2	21.0	74	21	1.9	6.6
site 02	08/07/2002	–	45	263.0	218.0	140.2	20.5	74	23	2.0	6.7
site 02	08/07/2002	–	46	263.0	217.0	140.2	20.5	70	22	2.0	6.6
site 02	08/07/2002	–	47	263.0	216.0	140.2	20.0	74	23	2.0	6.6
site 02	08/07/2002	–	48	263.0	215.0	140.2	18.9	71	25	2.3	6.8
site 02	08/07/2002	–	49	263.0	214.0	140.2	16.0	71	33	3.1	7.1
site 02	08/07/2002	–	50	263.0	213.0	140.2	16.5	78	40	4.2	7.3
site 02	08/07/2002	–	55	263.0	208.0	140.2	13.0	79	44	4.7	6.5
site 02	08/07/2002	–	65	263.0	198.0	140.2	11.0	84	43	4.7	6.5
site 02	08/07/2002	–	75	263.0	188.0	140.2	11.0	87	41	4.6	6.5
site 02	08/07/2002	–	80	263.0	183.0	140.2	10.5	87	39	4.6	6.5
site 02	08/07/2002	–	85	263.0	178.0	140.2	10.5	88	37	4.1	6.5
site 02	08/07/2002	–	90	263.0	173.0	140.2	10.5	88	35	3.9	6.6
site 02	08/07/2002	–	95	263.0	168.0	140.2	10.5	89	30	3.4	6.8
site 02	08/07/2002	–	100	263.0	163.0	140.2	10.5	89	33	3.6	7.0
site 02	08/07/2002	–	113	263.0	150.0	140.2	10.5	89	32	3.5	7.0
site 02	09/06/2002	9:45	1	227.8	226.8	140.2	23.4	101	83	7.1	7.4
site 02	09/06/2002	9:45	5	227.8	222.8	140.2	23.4	101	83	7.1	7.4
site 02	09/06/2002	9:45	10	227.8	217.8	140.2	23.4	100	83	7.1	7.4
site 02	09/06/2002	9:45	20	227.8	207.8	140.2	23.4	100	83	7.1	7.4
site 02	09/06/2002	9:45	25	227.8	202.8	140.2	23.3	100	82	7.0	7.3
site 02	09/06/2002	9:45	30	227.8	197.8	140.2	23.3	100	80	6.8	7.2
site 02	09/06/2002	9:45	35	227.8	192.8	140.2	22.2	100	55	4.7	6.8
site 02	09/06/2002	9:45	40	227.8	187.8	140.2	20.2	91	4.8	0.4	6.4
site 02	09/06/2002	9:45	45	227.8	182.8	140.2	16.0	81	6.7	0.7	6.5
site 02	09/06/2002	9:45	50	227.8	177.8	140.2	11.9	94	8.0	0.9	6.6
site 02	09/06/2002	9:45	56	227.8	171.8	140.2	11.2	95	3.7	0.4	6.5
site 02	09/06/2002	9:45	57	227.8	170.8	140.2	11.3	95	3.7	0.4	6.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	09/25/2002	15:30	65	214.0	149.0	140.2	10.8	107	1.5	0.2	6.8
site 02	09/25/2002	15:30	70	214.0	144.0	140.2	10.7	116	2.9	0.3	6.9
site 02	11/04/2002	–	1	204.0	203.0	140.2	15.1	114	75	7.6	7.1
site 02	11/04/2002	–	5	204.0	199.0	140.2	14.5	114	74	7.5	7.1
site 02	11/04/2002	–	10	204.0	194.0	140.2	14.2	114	71	7.3	7.1
site 02	11/04/2002	–	15	204.0	189.0	140.2	14.2	114	70	7.2	7.1
site 02	11/04/2002	–	20	204.0	184.0	140.2	14.2	113	70	7.1	7.0
site 02	11/04/2002	–	25	204.0	179.0	140.2	14.1	115	69	7.1	7.0
site 02	11/04/2002	–	30	204.0	174.0	140.2	14.1	114	69	7.1	7.0
site 02	11/04/2002	–	35	204.0	169.0	140.2	14.1	114	68	7.0	6.9
site 02	11/04/2002	–	40	204.0	164.0	140.2	14.1	114	64	6.6	6.8
site 02	11/04/2002	–	45	204.0	159.0	140.2	13.7	114	55	5.7	6.6
site 02	11/04/2002	–	50	204.0	154.0	140.2	11.3	106	34	3.7	6.5
site 02	11/04/2002	–	55	204.0	149.0	140.2	11.0	124	35	3.9	6.5
site 02	11/04/2002	–	57	204.0	147.0	140.2	11.0	134	43	4.8	6.6
site 02	11/06/2002	–	1	204.4	203.4	140.2	14.0	120	78	8.1	7.3
site 02	11/06/2002	–	5	204.4	199.4	140.2	13.8	120	76	7.9	7.3
site 02	11/06/2002	–	10	204.4	194.4	140.2	13.8	120	76	7.8	7.3
site 02	11/06/2002	–	15	204.4	189.4	140.2	13.8	119	76	7.8	7.3
site 02	11/06/2002	–	20	204.4	184.4	140.2	13.8	120	76	7.9	7.3
site 02	11/06/2002	–	25	204.4	179.4	140.2	13.8	119	76	7.9	7.4
site 02	11/06/2002	–	30	204.4	174.4	140.2	13.8	120	71	7.3	7.3
site 02	11/06/2002	–	35	204.4	169.4	140.2	13.7	121	68	7.1	7.3
site 02	11/06/2002	–	40	204.4	164.4	140.2	13.7	121	65	6.7	7.3
site 02	11/06/2002	–	42	204.4	162.4	140.2	13.7	121	64	6.7	7.3
site 02	11/06/2002	–	43	204.4	161.4	140.2	13.6	122	47	4.9	7.3
site 02	11/06/2002	–	44	204.4	160.4	140.2	13.5	121	43	4.4	7.4
site 02	11/06/2002	–	45	204.4	159.4	140.2	13.4	121	18	1.9	7.4
site 02	11/06/2002	–	46	204.4	158.4	140.2	13.0	121	7.0	0.7	7.4
site 02	11/06/2002	–	47	204.4	157.4	140.2	12.6	120	3.2	0.3	7.4
site 02	11/06/2002	–	48	204.4	156.4	140.2	12.6	118	3.3	0.4	7.4
site 02	11/06/2002	–	49	204.4	155.4	140.2	12.5	121	3.4	0.4	7.4
site 02	11/06/2002	–	50	204.4	154.4	140.2	11.8	118	3.6	0.4	7.4
site 02	11/06/2002	–	51	204.4	153.4	140.2	11.7	117	3.8	0.4	7.4
site 02	11/06/2002	–	52	204.4	152.4	140.2	11.1	120	4.0	0.4	7.4
site 02	11/06/2002	–	53	204.4	151.4	140.2	11.1	126	4.2	0.5	7.4
site 02	11/06/2002	–	54	204.4	150.4	140.2	11.1	129	4.5	0.5	7.4
site 02	11/06/2002	–	55	204.4	149.4	140.2	11.0	134	4.9	0.5	6.9
site 02	11/21/2002	–	1	211.3	210.3	140.2	13.6	135	83	8.7	7.3
site 02	11/21/2002	–	5	211.3	206.3	140.2	13.0	134	82	8.5	7.3
site 02	11/21/2002	–	10	211.3	201.3	140.2	12.9	134	75	7.9	7.2
site 02	11/21/2002	–	15	211.3	196.3	140.2	12.8	134	72	7.7	7.2

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	11/21/2002	–	20	211.3	191.3	140.2	12.8	134	72	7.6	7.2
site 02	11/21/2002	–	25	211.3	186.3	140.2	12.8	134	70	7.4	7.1
site 02	11/21/2002	–	30	211.3	181.3	140.2	12.8	135	66	7.0	7.1
site 02	11/21/2002	–	35	211.3	176.3	140.2	12.8	136	66	7.0	7.1
site 02	11/21/2002	–	40	211.3	171.3	140.2	12.7	144	54	5.7	7.0
site 02	11/21/2002	–	45	211.3	166.3	140.2	12.7	150	49	5.2	7.0
site 02	11/21/2002	–	49	211.3	162.3	140.2	12.6	150	49	5.2	7.0
site 02	11/21/2002	–	50	211.3	161.3	140.2	12.6	150	41	4.4	7.0
site 02	11/21/2002	–	51	211.3	160.3	140.2	12.6	150	40	4.3	7.0
site 02	11/21/2002	–	52	211.3	159.3	140.2	12.6	150	31	3.3	6.9
site 02	11/21/2002	–	53	211.3	158.3	140.2	12.6	150	28	3.0	6.9
site 02	11/21/2002	–	54	211.3	157.3	140.2	12.6	151	35	3.8	7.0
site 02	11/21/2002	–	55	211.3	156.3	140.2	12.6	152	34	3.6	6.9
site 02	11/21/2002	–	60	211.3	151.3	140.2	12.5	153	48	5.1	7.0
site 02	11/21/2002	–	62	211.3	149.3	140.2	12.5	153	49	5.2	7.0
site 02	11/21/2002	–	63	211.3	148.3	140.2	12.5	152	44	4.7	7.0
site 02	11/21/2002	–	64	211.3	147.3	140.2	12.5	152	29	3.0	6.9
site 02	11/21/2002	–	65	211.3	146.3	140.2	12.3	154	5.1	0.5	6.9
site 02	12/04/2002	–	1	213.0	212.0	140.2	12.2	144	72	7.7	7.2
site 02	12/04/2002	–	5	213.0	208.0	140.2	11.7	143	72	7.8	7.2
site 02	12/04/2002	–	10	213.0	203.0	140.2	11.6	143	70	7.6	7.2
site 02	12/04/2002	–	15	213.0	198.0	140.2	11.6	143	70	7.6	7.2
site 02	12/04/2002	–	20	213.0	193.0	140.2	11.6	142	70	7.6	7.1
site 02	12/04/2002	–	25	213.0	188.0	140.2	11.6	144	68	7.4	7.1
site 02	12/04/2002	–	30	213.0	183.0	140.2	11.6	144	67	7.3	7.1
site 02	12/04/2002	–	35	213.0	178.0	140.2	11.6	143	67	7.3	7.1
site 02	12/04/2002	–	40	213.0	173.0	140.2	11.6	143	67	7.3	7.1
site 02	12/04/2002	–	45	213.0	168.0	140.2	11.6	148	65	7.1	7.1
site 02	12/04/2002	–	50	213.0	163.0	140.2	11.5	150	66	7.1	7.1
site 02	12/04/2002	–	55	213.0	158.0	140.2	11.5	156	62	6.8	7.1
site 02	12/04/2002	–	60	213.0	153.0	140.2	11.5	160	48	5.2	7.0
site 02	12/23/2002	–	1	262.2	261.2	140.2	9.9	120	85	9.6	7.4
site 02	12/23/2002	–	5	262.2	257.2	140.2	9.4	118	84	9.6	7.4
site 02	12/23/2002	–	10	262.2	252.2	140.2	9.4	117	84	9.6	7.4
site 02	12/23/2002	–	15	262.2	247.2	140.2	9.3	115	85	9.7	7.4
site 02	12/23/2002	–	25	262.2	237.2	140.2	9.2	114	85	9.8	7.4
site 02	12/23/2002	–	35	262.2	227.2	140.2	9.1	105	86	9.9	7.4
site 02	12/23/2002	–	45	262.2	217.2	140.2	9.0	109	87	10.1	7.4
site 02	12/23/2002	–	55	262.2	207.2	140.2	9.0	103	88	10.2	7.4
site 02	12/23/2002	–	65	262.2	197.2	140.2	8.8	96	89	10.3	7.5
site 02	12/23/2002	–	75	262.2	187.2	140.2	8.7	90	89	10.4	7.5
site 02	12/23/2002	–	85	262.2	177.2	140.2	8.7	90	89	10.4	7.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	12/23/2002	–	95	262.2	167.2	140.2	8.6	89	89	10.4	7.5
site 02	12/23/2002	–	105	262.2	157.2	140.2	8.6	87	89	10.4	7.5
site 02	12/23/2002	–	115	262.2	147.2	140.2	8.6	84	90	10.5	7.5
site 02	01/17/2003	–	1	294.2	293.2	140.2	9.6	89	–	–	7.3
site 02	01/17/2003	–	5	294.2	289.2	140.2	9.4	90	–	–	7.3
site 02	01/17/2003	–	10	294.2	284.2	140.2	9.2	89	–	–	7.3
site 02	01/17/2003	–	15	294.2	279.2	140.2	9.2	86	–	–	7.3
site 02	01/17/2003	–	20	294.2	274.2	140.2	9.2	87	–	–	7.3
site 02	01/17/2003	–	25	294.2	269.2	140.2	9.1	86	–	–	7.3
site 02	01/17/2003	–	30	294.2	264.2	140.2	8.9	90	–	–	7.3
site 02	01/17/2003	–	35	294.2	259.2	140.2	8.9	91	–	–	7.3
site 02	01/17/2003	–	45	294.2	249.2	140.2	8.7	90	–	–	7.3
site 02	01/17/2003	–	55	294.2	239.2	140.2	8.7	90	–	–	7.3
site 02	01/17/2003	–	65	294.2	229.2	140.2	8.5	88	–	–	7.3
site 02	01/17/2003	–	75	294.2	219.2	140.2	8.3	80	–	–	7.3
site 02	01/17/2003	–	85	294.2	209.2	140.2	8.2	79	–	–	7.3
site 02	01/17/2003	–	95	294.2	199.2	140.2	8.2	76	–	–	7.3
site 02	01/17/2003	–	105	294.2	189.2	140.2	8.1	76	–	–	7.4
site 02	01/17/2003	–	115	294.2	179.2	140.2	8.1	76	–	–	7.4
site 02	01/17/2003	–	125	294.2	169.2	140.2	8.1	76	–	–	7.4
site 02	01/17/2003	–	135	294.2	159.2	140.2	8.1	76	–	–	7.4
site 02	01/17/2003	–	145	294.2	149.2	140.2	8.1	76	–	–	7.5
site 02	01/28/2003	16:40	1	297.5	296.5	140.2	12.0	70	118	12.8	8.3
site 02	01/28/2003	16:40	10	297.5	287.5	140.2	10.6	69	108	12.0	7.6
site 02	01/28/2003	16:40	20	297.5	277.5	140.2	9.7	71	96	10.9	7.2
site 02	01/28/2003	16:40	30	297.5	267.5	140.2	9.2	71	92	10.6	7.2
site 02	01/28/2003	16:40	40	297.5	257.5	140.2	9.0	71	91	10.5	7.1
site 02	01/28/2003	16:40	50	297.5	247.5	140.2	8.8	70	90	10.4	7.1
site 02	01/28/2003	16:40	60	297.5	237.5	140.2	8.7	70	91	10.6	7.1
site 02	01/28/2003	16:40	70	297.5	227.5	140.2	8.4	73	93	10.9	7.1
site 02	01/28/2003	16:40	80	297.5	217.5	140.2	8.3	78	94	11.1	7.2
site 02	01/28/2003	16:40	90	297.5	207.5	140.2	8.2	81	96	11.3	7.2
site 02	01/28/2003	16:40	100	297.5	197.5	140.2	8.2	84	96	11.4	7.2
site 02	01/28/2003	16:40	110	297.5	187.5	140.2	8.1	89	97	11.4	7.2
site 02	01/28/2003	16:40	115	297.5	182.5	140.2	8.1	87	97	11.4	7.3
site 02	01/28/2003	16:40	120	297.5	177.5	140.2	8.1	88	97	11.4	7.3
site 02	01/28/2003	16:40	130	297.5	167.5	140.2	8.1	88	97	11.5	7.3
site 02	01/28/2003	16:40	140	297.5	157.5	140.2	8.1	88	97	11.5	7.3
site 02	03/07/2003	–	1	300.1	299.1	140.2	12.5	82	95	10.1	8.0
site 02	03/07/2003	–	5	300.1	295.1	140.2	12.3	81	95	10.1	7.9
site 02	03/07/2003	–	10	300.1	290.1	140.2	12.1	82	93	10.0	7.8
site 02	03/07/2003	–	20	300.1	280.1	140.2	11.3	81	91	10.0	7.8

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	03/07/2003	–	30	300.1	270.1	140.2	10.9	81	89	9.8	7.6
site 02	03/07/2003	–	40	300.1	260.1	140.2	10.1	79	85	9.6	7.4
site 02	03/07/2003	–	50	300.1	250.1	140.2	9.5	77	84	9.6	7.3
site 02	03/07/2003	–	60	300.1	240.1	140.2	9.2	76	83	9.6	7.3
site 02	03/07/2003	–	70	300.1	230.1	140.2	8.8	76	84	9.8	7.3
site 02	03/07/2003	–	80	300.1	220.1	140.2	8.6	75	85	9.9	7.4
site 02	03/07/2003	–	90	300.1	210.1	140.2	8.5	74	85	10.0	7.4
site 02	03/07/2003	–	100	300.1	200.1	140.2	8.5	74	85	10.0	7.4
site 02	03/07/2003	–	110	300.1	190.1	140.2	8.5	74	85	10.0	7.4
site 02	03/07/2003	–	120	300.1	180.1	140.2	8.4	74	86	10.0	7.3
site 02	03/07/2003	–	130	300.1	170.1	140.2	8.4	74	86	10.1	7.1
site 02	03/07/2003	–	140	300.1	160.1	140.2	8.4	74	89	10.1	7.0
site 02	03/07/2003	–	150	300.1	150.1	140.2	8.4	74	88	10.4	6.9
site 02	04/16/2003	–	1	300.8	299.8	140.2	15.7	81	85	8.4	7.5
site 02	04/16/2003	–	5	300.8	295.8	140.2	15.4	81	88	8.3	7.5
site 02	04/16/2003	–	15	300.8	285.8	140.2	14.8	81	79	7.9	7.3
site 02	04/16/2003	–	25	300.8	275.8	140.2	12.7	80	74	7.8	7.2
site 02	04/16/2003	–	35	300.8	265.8	140.2	11.8	80	75	8.1	7.3
site 02	04/16/2003	–	45	300.8	255.8	140.2	11.5	79	76	8.3	7.3
site 02	04/16/2003	–	55	300.8	245.8	140.2	11.1	81	78	8.5	7.2
site 02	04/16/2003	–	65	300.8	235.8	140.2	10.8	82	77	8.5	7.2
site 02	04/16/2003	–	70	300.8	230.8	140.2	10.7	81	77	8.5	7.2
site 02	04/16/2003	–	75	300.8	225.8	140.2	10.5	81	76	8.5	7.2
site 02	04/16/2003	–	80	300.8	220.8	140.2	10.5	80	74	8.4	7.2
site 02	04/16/2003	–	85	300.8	215.8	140.2	10.3	78	72	8.1	7.2
site 02	04/16/2003	–	90	300.8	210.8	140.2	10.2	77	72	8.1	7.2
site 02	04/16/2003	–	95	300.8	205.8	140.2	10.1	77	71	8.0	7.2
site 02	04/16/2003	–	100	300.8	200.8	140.2	10.1	77	71	8.0	7.2
site 02	04/16/2003	–	105	300.8	195.8	140.2	9.9	76	69	7.9	7.3
site 02	04/16/2003	–	110	300.8	190.8	140.2	9.8	75	69	7.8	7.3
site 02	04/16/2003	–	115	300.8	185.8	140.2	9.8	75	69	7.8	7.3
site 02	04/16/2003	–	120	300.8	180.8	140.2	9.7	75	68	7.8	7.3
site 02	04/16/2003	–	125	300.8	175.8	140.2	9.7	75	68	7.8	7.3
site 02	04/16/2003	–	130	300.8	170.8	140.2	9.6	75	68	7.8	7.4
site 02	04/16/2003	–	135	300.8	165.8	140.2	9.6	75	68	7.8	7.4
site 02	04/16/2003	–	140	300.8	160.8	140.2	9.6	75	66	7.8	7.5
site 02	04/16/2003	–	145	300.8	155.8	140.2	9.6	75	69	7.9	7.5
site 02	04/16/2003	–	150	300.8	150.8	140.2	9.6	75	70	8.0	7.6
site 02	04/16/2003	–	155	300.8	145.8	140.2	9.6	75	72	8.1	7.7
site 02	07/07/2003	–	1	294.2	293.2	140.2	26.4	73	100	8.0	8.1
site 02	07/07/2003	–	5	294.2	289.2	140.2	26.4	73	100	8.0	7.8
site 02	07/07/2003	–	10	294.2	284.2	140.2	26.4	73	100	8.1	7.8

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 02	07/07/2003	–	20	294.2	274.2	140.2	26.3	71	100	8.1	7.6
site 02	07/07/2003	–	30	294.2	264.2	140.2	26.0	71	101	8.2	7.4
site 02	07/07/2003	–	40	294.2	254.2	140.2	22.3	67	95	8.1	7.4
site 02	07/07/2003	–	50	294.2	244.2	140.2	21.0	66	88	7.8	7.3
site 02	07/07/2003	–	60	294.2	234.2	140.2	20.4	69	71	6.5	6.9
site 02	07/07/2003	–	70	294.2	224.2	140.2	20.3	68	76	6.9	7.0
site 02	07/07/2003	–	80	294.2	214.2	140.2	19.2	70	69	6.9	6.9
site 02	07/07/2003	–	90	294.2	204.2	140.2	11.9	79	62	6.6	6.8
site 02	07/07/2003	–	100	294.2	194.2	140.2	11.4	77	61	6.7	6.9
site 02	07/07/2003	–	110	294.2	184.2	140.2	11.1	81	61	6.7	6.9
site 02	07/07/2003	–	115	294.2	179.2	140.2	11.0	81	57	6.3	6.9
site 02	07/07/2003	–	120	294.2	174.2	140.2	11.0	81	58	6.4	6.9
site 02	07/07/2003	–	125	294.2	169.2	140.2	11.0	81	59	6.5	6.9
site 02	07/07/2003	–	130	294.2	164.2	140.2	11.0	81	59	6.5	6.9
site 02	07/07/2003	–	135	294.2	159.2	140.2	11.0	81	58	6.4	6.9
site 02	07/07/2003	–	140	294.2	154.2	140.2	11.1	82	58	6.4	6.9
site 02	07/07/2003	–	145	294.2	149.2	140.2	10.9	82	54	6.0	6.9
site 02	10/10/2003	14:00	1	237.0	236.0	140.2	21.8	99	81	7.1	7.3
site 02	10/10/2003	14:00	5	237.0	232.0	140.2	21.8	99	80	7.0	7.3
site 02	10/10/2003	14:00	10	237.0	227.0	140.2	21.8	99	91	7.1	7.3
site 02	10/10/2003	14:00	20	237.0	217.0	140.2	21.8	99	80	7.0	7.3
site 02	10/10/2003	14:00	30	237.0	207.0	140.2	21.8	99	80	7.1	7.2
site 02	10/10/2003	14:00	40	237.0	197.0	140.2	21.8	99	78	6.8	7.2
site 02	10/10/2003	14:00	50	237.0	187.0	140.2	21.8	100	75	6.6	7.2
site 02	10/10/2003	14:00	60	237.0	177.0	140.2	21.8	100	76	6.7	7.2
site 02	10/10/2003	14:00	70	237.0	167.0	140.2	21.6	99	67	5.7	7.2
site 02	10/10/2003	14:00	75	237.0	162.0	140.2	20.8	105	42	3.8	7.1
site 02	10/10/2003	14:00	80	237.0	157.0	140.2	11.8	100	28	2.5	7.1
site 02	10/10/2003	14:00	85	237.0	152.0	140.2	11.6	103	27	2.3	7.1
site 02	10/10/2003	14:00	90	237.0	147.0	140.2	11.2	102	14	1.4	7.2
site 03	08/07/2002	–	1	263.0	262.0	–	27.0	89	117	9.3	7.0
site 03	08/07/2002	–	5	263.0	258.0	–	27.0	89	120	9.6	7.2
site 03	08/07/2002	–	10	263.0	253.0	–	26.9	89	116	9.6	7.2
site 03	08/07/2002	–	15	263.0	248.0	–	26.0	91	115	9.3	7.2
site 03	08/07/2002	–	20	263.0	243.0	–	25.7	90	116	9.5	7.2
site 03	08/07/2002	–	25	263.0	238.0	–	25.6	90	113	9.2	7.2
site 03	08/07/2002	–	30	263.0	233.0	–	25.5	92	113	9.2	7.2
site 03	08/07/2002	–	35	263.0	228.0	–	25.3	95	111	9.1	7.1
site 03	08/07/2002	–	40	263.0	223.0	–	24.1	92	68	6.3	7.0
site 03	08/07/2002	–	45	263.0	218.0	–	23.9	23	8.0	1.5	6.5
site 03	08/07/2002	–	47	263.0	216.0	–	17.3	75	5.8	0.6	6.4

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 03	04/17/2003	–	1	300.6	299.6	–	15.1	81	99	9.9	7.9
site 03	04/17/2003	–	5	300.6	295.6	–	15.1	81	96	9.7	7.9
site 03	04/17/2003	–	10	300.6	290.6	–	15.1	81	96	9.7	7.9
site 03	04/17/2003	–	15	300.6	285.6	–	15.1	81	96	9.7	7.9
site 03	04/17/2003	–	20	300.6	280.6	–	15.1	81	97	9.7	7.9
site 03	04/17/2003	–	25	300.6	275.6	–	15.1	81	96	9.7	7.8
site 03	04/17/2003	–	28	300.6	272.6	–	15.1	81	94	9.5	7.8
site 03	04/17/2003	–	30	300.6	270.6	–	15.0	83	91	9.3	7.8
site 03	04/17/2003	–	32	300.6	268.6	–	15.0	81	95	9.6	7.9
site 04	11/28/2001	9:40	16	234.6	218.6	163.0	13.3	141	–	8.4	7.1
site 04	11/28/2001	9:40	33	234.6	201.6	163.0	13.2	294	–	7.6	7.1
site 04	11/28/2001	9:40	49	234.6	185.6	163.0	12.2	268	–	7.1	7.0
site 04	11/28/2001	9:40	59	234.6	175.6	163.0	10.8	298	–	6.8	7.1
site 04	01/02/2002	–	5	281.3	276.3	163.0	10.4	110	–	11.3	7.0
site 04	01/02/2002	–	10	281.3	271.3	163.0	9.8	115	–	11.2	7.0
site 04	01/02/2002	–	15	281.3	266.3	163.0	9.6	128	–	11.0	7.0
site 04	01/02/2002	–	20	281.3	261.3	163.0	9.3	130	–	10.8	7.0
site 04	01/02/2002	–	25	281.3	256.3	163.0	8.8	120	–	10.7	7.0
site 04	01/02/2002	–	30	281.3	251.3	163.0	8.5	117	–	10.7	7.0
site 04	01/02/2002	–	35	281.3	246.3	163.0	8.5	117	–	10.8	7.0
site 04	01/02/2002	–	40	281.3	241.3	163.0	8.4	116	–	10.7	7.0
site 04	02/12/2002	–	10	298.8	288.8	163.0	8.7	103	–	13.6	7.7
site 04	02/12/2002	–	60	298.8	238.8	163.0	7.1	88	–	14.0	7.5
site 04	02/12/2002	–	120	298.8	178.8	163.0	6.8	93	–	13.5	7.4
site 04	04/22/2002	11:40	1	299.9	298.9	163.0	18.3	152	116	10.9	–
site 04	04/22/2002	11:40	10	299.9	289.9	163.0	16.7	150	113	11.0	–
site 04	04/22/2002	11:40	20	299.9	279.9	163.0	15.7	150	110	10.9	–
site 04	04/22/2002	11:40	30	299.9	269.9	163.0	13.6	135	106	11.0	–
site 04	04/22/2002	11:40	40	299.9	259.9	163.0	12.5	133	103	11.0	–
site 04	04/22/2002	11:40	50	299.9	249.9	163.0	12.0	136	101	10.9	–
site 04	04/22/2002	11:40	60	299.9	239.9	163.0	11.3	142	98	10.7	–
site 04	04/22/2002	11:40	70	299.9	229.9	163.0	10.8	151	96	10.6	–
site 04	04/22/2002	11:40	80	299.9	219.9	163.0	10.2	152	94	10.5	–
site 04	04/22/2002	11:40	90	299.9	209.9	163.0	9.9	151	91	10.3	–
site 04	04/22/2002	11:40	100	299.9	199.9	163.0	9.7	152	90	10.2	–
site 04	04/22/2002	11:40	105	299.9	194.9	163.0	9.5	152	89	10.2	–
site 04	04/22/2002	11:40	110	299.9	189.9	163.0	9.5	153	89	10.2	–
site 04	04/22/2002	11:40	115	299.9	184.9	163.0	9.4	153	89	10.1	–
site 04	04/22/2002	11:40	120	299.9	179.9	163.0	9.3	154	88	10.1	–
site 04	04/22/2002	11:40	125	299.9	174.9	163.0	9.3	154	88	10.1	–
site 04	06/18/2002	13:00	1	298.0	297.0	163.0	26.0	75	–	8.8	8.3

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 04	06/18/2002	13:00	5	298.0	293.0	163.0	25.3	75	–	8.9	8.3
site 04	06/18/2002	13:00	15	298.0	283.0	163.0	23.5	74	–	9.4	8.2
site 04	06/18/2002	13:00	25	298.0	273.0	163.0	21.1	61	–	9.3	7.5
site 04	06/18/2002	13:00	35	298.0	263.0	163.0	19.7	59	–	8.6	7.1
site 04	06/18/2002	13:00	45	298.0	253.0	163.0	18.7	58	–	8.4	7.1
site 04	06/18/2002	13:00	55	298.0	243.0	163.0	17.4	63	–	8.0	7.0
site 04	06/18/2002	13:00	65	298.0	233.0	163.0	16.0	64	–	7.7	7.0
site 04	06/18/2002	13:00	75	298.0	223.0	163.0	15.3	64	–	7.4	7.0
site 04	06/18/2002	13:00	85	298.0	213.0	163.0	13.1	69	–	7.3	7.4
site 04	06/18/2002	13:00	95	298.0	203.0	163.0	11.5	74	–	7.4	7.5
site 04	06/18/2002	13:00	105	298.0	193.0	163.0	10.9	77	–	8.3	7.7
site 04	06/18/2002	13:00	110	298.0	188.0	163.0	10.6	78	–	6.5	7.0
site 04	06/18/2002	13:00	115	298.0	183.0	163.0	10.5	80	–	6.9	7.2
site 04	06/18/2002	13:00	120	298.0	178.0	163.0	10.4	80	–	6.5	7.1
site 04	08/07/2002	11:00	1	263.0	262.0	163.0	26.1	89	112	9.0	7.8
site 04	08/07/2002	11:00	5	263.0	258.0	163.0	25.9	89	112	9.1	7.8
site 04	08/07/2002	11:00	10	263.0	253.0	163.0	25.8	89	111	9.1	7.8
site 04	08/07/2002	11:00	15	263.0	248.0	163.0	25.7	88	109	8.9	7.7
site 04	08/07/2002	11:00	20	263.0	243.0	163.0	25.6	89	102	8.3	7.6
site 04	08/07/2002	11:00	25	263.0	238.0	163.0	25.5	89	95	7.7	7.4
site 04	08/07/2002	11:00	30	263.0	233.0	163.0	25.5	89	93	7.6	7.4
site 04	08/07/2002	11:30	40	263.0	223.0	163.0	24.8	89	56	4.7	6.9
site 04	08/07/2002	11:30	41	263.0	222.0	163.0	24.3	89	33	2.7	6.8
site 04	08/07/2002	11:30	42	263.0	221.0	163.0	23.5	85	17	1.6	6.7
site 04	08/07/2002	11:30	43	263.0	220.0	163.0	22.5	80	16	1.4	6.7
site 04	08/07/2002	11:30	44	263.0	219.0	163.0	21.5	78	12	1.0	6.6
site 04	08/07/2002	11:30	45	263.0	218.0	163.0	21.0	76	14	1.2	6.6
site 04	08/07/2002	11:30	47	263.0	216.0	163.0	20.0	74	17	1.5	6.6
site 04	08/07/2002	11:30	48	263.0	215.0	163.0	19.0	71	18	1.7	6.6
site 04	08/07/2002	11:30	49	263.0	214.0	163.0	17.2	70	24	2.3	6.6
site 04	08/07/2002	11:30	50	263.0	213.0	163.0	17.2	72	19	1.9	6.6
site 04	08/07/2002	11:30	55	263.0	208.0	163.0	13.8	80	32	3.3	6.7
site 04	08/07/2002	11:30	60	263.0	203.0	163.0	12.3	83	38	4.1	6.7
site 04	08/07/2002	11:30	65	263.0	198.0	163.0	11.6	84	36	3.9	6.8
site 04	08/07/2002	11:30	70	263.0	193.0	163.0	11.3	84	34	3.8	6.8
site 04	08/07/2002	11:30	75	263.0	188.0	163.0	11.1	88	30	3.4	6.7
site 04	08/07/2002	11:30	80	263.0	183.0	163.0	10.9	90	25	2.8	6.7
site 04	08/07/2002	11:30	85	263.0	178.0	163.0	10.7	91	20	2.2	6.7
site 04	08/07/2002	11:30	90	263.0	173.0	163.0	10.7	94	10	1.1	6.7
site 04	08/09/2002	–	1	261.0	260.0	163.0	27.5	86	104	8.2	7.8
site 04	08/09/2002	–	10	261.0	251.0	163.0	26.0	85	99	8.2	7.6
site 04	08/09/2002	–	20	261.0	241.0	163.0	25.5	85	84	6.8	7.2

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 04	08/09/2002	–	30	261.0	231.0	163.0	25.5	85	82	6.8	7.1
site 04	08/09/2002	–	40	261.0	221.0	163.0	25.0	83	54	4.6	6.9
site 04	08/09/2002	–	50	261.0	211.0	163.0	16.0	69	28	2.7	6.6
site 04	08/09/2002	–	60	261.0	201.0	163.0	12.0	78	38	4.2	6.6
site 04	08/09/2002	–	70	261.0	191.0	163.0	11.0	81	32	3.6	6.6
site 04	08/09/2002	–	80	261.0	181.0	163.0	10.5	85	21	2.5	6.9
site 04	08/09/2002	–	90	261.0	171.0	163.0	10.5	87	18	2.1	7.1
site 04	08/09/2002	–	98	261.0	163.0	163.0	10.5	88	21	2.3	7.2
site 04	09/06/2002	12:45	1	227.8	226.8	163.0	23.2	103	80	6.9	7.2
site 04	09/06/2002	12:45	5	227.8	222.8	163.0	23.2	103	80	6.8	7.2
site 04	09/06/2002	12:45	10	227.8	217.8	163.0	23.2	103	80	6.8	7.2
site 04	09/06/2002	12:45	20	227.8	207.8	163.0	23.2	102	79	6.8	7.2
site 04	09/06/2002	12:45	25	227.8	202.8	163.0	23.2	102	77	6.6	7.2
site 04	09/06/2002	12:45	30	227.8	197.8	163.0	23.0	104	66	5.8	7.1
site 04	09/06/2002	12:45	35	227.8	192.8	163.0	21.7	108	13	1.1	6.7
site 04	09/06/2002	12:45	36	227.8	191.8	163.0	21.7	104	13	1.1	6.7
site 04	09/06/2002	12:45	37	227.8	190.8	163.0	21.9	108	13	1.3	6.6
site 04	09/06/2002	12:45	38	227.8	189.8	163.0	20.8	109	3.6	0.3	6.6
site 04	09/06/2002	12:45	39	227.8	188.8	163.0	20.7	102	4.3	0.4	6.5
site 04	09/06/2002	12:45	40	227.8	187.8	163.0	20.1	105	3.7	0.3	6.5
site 04	09/06/2002	12:45	41	227.8	186.8	163.0	19.0	90	2.8	0.3	6.4
site 04	09/06/2002	12:45	42	227.8	185.8	163.0	18.0	91	3.0	0.3	6.4
site 04	09/06/2002	12:45	43	227.8	184.8	163.0	16.4	93	3.1	0.3	6.5
site 04	09/06/2002	12:45	44	227.8	183.8	163.0	16.5	93	3.2	0.3	6.5
site 04	09/06/2002	12:45	45	227.8	182.8	163.0	15.8	99	3.5	0.4	6.5
site 04	09/06/2002	12:45	46	227.8	181.8	163.0	14.4	102	3.7	0.4	6.6
site 04	09/06/2002	12:45	47	227.8	180.8	163.0	13.9	106	4.0	0.4	6.6
site 04	09/06/2002	12:45	48	227.8	179.8	163.0	13.9	107	4.3	0.5	6.6
site 04	09/06/2002	12:45	49	227.8	178.8	163.0	12.9	110	5.0	0.5	6.6
site 04	09/06/2002	12:45	50	227.8	177.8	163.0	12.9	106	6.6	0.7	6.9
site 04	09/25/2002	14:20	1	214.0	213.0	163.0	24.4	109	104	8.7	7.5
site 04	09/25/2002	14:20	5	214.0	209.0	163.0	23.4	108	77	6.5	7.0
site 04	09/25/2002	14:20	10	214.0	204.0	163.0	22.2	107	49	4.3	6.9
site 04	09/25/2002	14:20	15	214.0	199.0	163.0	22.1	107	41	3.6	6.9
site 04	09/25/2002	14:20	20	214.0	194.0	163.0	21.9	107	39	3.4	6.9
site 04	09/25/2002	14:00	25	214.0	189.0	163.0	21.8	110	31	2.8	6.8
site 04	09/25/2002	14:00	30	214.0	184.0	163.0	21.7	112	30	2.6	6.8
site 04	09/25/2002	14:00	31	214.0	183.0	163.0	21.6	113	25	2.2	6.8
site 04	09/25/2002	14:00	32	214.0	182.0	163.0	21.6	114	23	2.1	6.8
site 04	09/25/2002	14:00	33	214.0	181.0	163.0	21.6	115	22	1.9	6.8
site 04	09/25/2002	14:00	34	214.0	180.0	163.0	21.6	115	21	1.8	6.8
site 04	09/25/2002	14:00	35	214.0	179.0	163.0	21.6	116	19	1.6	6.7

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 04	09/25/2002	14:00	36	214.0	178.0	163.0	21.4	118	12	1.1	6.7
site 04	09/25/2002	14:00	36	214.0	178.0	163.0	21.6	115	20	1.7	6.7
site 04	09/25/2002	14:00	37	214.0	177.0	163.0	21.5	117	9.5	0.82	6.7
site 04	09/25/2002	14:00	38	214.0	176.0	163.0	21.2	124	7.2	0.64	6.7
site 04	09/25/2002	14:00	40	214.0	174.0	163.0	21.2	127	3.6	0.63	6.7
site 04	09/25/2002	14:00	44	214.0	170.0	163.0	17.8	131	2.5	0.23	6.8
site 04	10/18/2002	–	1	199.8	198.8	163.0	19.2	112	115	10.6	8.1
site 04	10/18/2002	–	5	199.8	194.8	163.0	18.6	111	116	10.8	7.8
site 04	10/18/2002	–	10	199.8	189.8	163.0	18.1	112	77	7.5	7.2
site 04	10/18/2002	–	15	199.8	184.8	163.0	17.8	112	66	6.3	7.2
site 04	10/18/2002	–	20	199.8	179.8	163.0	17.8	113	65	6.2	7.2
site 04	10/18/2002	–	25	199.8	174.8	163.0	17.4	114	63	6.1	7.3
site 04	10/18/2002	–	30	199.8	169.8	163.0	16.9	116	62	6.0	7.5
site 04	11/06/2002	–	1	204.4	203.4	163.0	14.4	122	86	8.8	7.4
site 04	11/06/2002	–	5	204.4	199.4	163.0	14.4	122	81	8.3	7.3
site 04	11/06/2002	–	10	204.4	194.4	163.0	14.0	122	81	8.3	7.2
site 04	11/06/2002	–	15	204.4	189.4	163.0	13.9	124	67	6.9	7.2
site 04	11/06/2002	–	20	204.4	184.4	163.0	13.9	125	69	7.2	7.2
site 04	11/06/2002	–	25	204.4	179.4	163.0	13.7	130	76	7.8	7.2
site 04	11/06/2002	–	30	204.4	174.4	163.0	13.6	137	77	8.1	7.3
site 04	11/21/2002	–	1	211.3	210.3	163.0	14.0	138	90	9.3	7.3
site 04	11/21/2002	–	5	211.3	206.3	163.0	13.2	139	79	8.3	7.2
site 04	11/21/2002	–	10	211.3	201.3	163.0	12.9	138	73	7.7	7.1
site 04	11/21/2002	–	15	211.3	196.3	163.0	12.8	138	70	7.4	7.1
site 04	11/21/2002	–	20	211.3	191.3	163.0	12.8	137	66	7.0	7.0
site 04	11/21/2002	–	25	211.3	186.3	163.0	12.8	147	62	6.5	7.0
site 04	11/21/2002	–	30	211.3	181.3	163.0	12.7	149	73	7.8	7.0
site 04	11/21/2002	–	35	211.3	176.3	163.0	12.5	153	74	7.9	7.2
site 04	12/04/2002	–	1	213.0	212.0	163.0	12.6	142	81	8.6	7.2
site 04	12/04/2002	–	5	213.0	208.0	163.0	12.0	142	80	8.6	7.3
site 04	12/04/2002	–	10	213.0	203.0	163.0	11.8	142	76	8.2	7.2
site 04	12/04/2002	–	15	213.0	198.0	163.0	11.7	141	75	8.2	7.2
site 04	12/04/2002	–	20	213.0	193.0	163.0	11.7	142	74	8.0	7.2
site 04	12/04/2002	–	25	213.0	188.0	163.0	11.6	142	73	8.0	7.2
site 04	12/04/2002	–	30	213.0	183.0	163.0	11.6	144	74	8.0	7.2
site 04	12/04/2002	–	35	213.0	178.0	163.0	11.4	152	74	8.1	7.2
site 04	12/04/2002	–	40	213.0	173.0	163.0	10.7	163	77	8.5	7.2
site 04	12/04/2002	–	42	213.0	171.0	163.0	10.4	166	77	8.6	7.2
site 04	12/23/2002	–	1	262.2	261.2	163.0	9.5	106	86	9.8	7.4
site 04	12/23/2002	–	5	262.2	257.2	163.0	9.3	104	86	9.9	7.4
site 04	12/23/2002	–	10	262.2	252.2	163.0	9.3	102	86	9.9	7.4
site 04	12/23/2002	–	15	262.2	247.2	163.0	9.2	101	86	9.9	7.4

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 04	12/23/2002	–	20	262.2	242.2	163.0	9.2	100	86	9.9	7.4
site 04	12/23/2002	–	25	262.2	237.2	163.0	9.1	99	86	9.9	7.4
site 04	12/23/2002	–	30	262.2	232.2	163.0	9.1	97	87	10.0	7.4
site 04	12/23/2002	–	35	262.2	227.2	163.0	8.9	93	88	10.2	7.4
site 04	12/23/2002	–	40	262.2	222.2	163.0	8.9	93	89	10.3	7.4
site 04	12/23/2002	–	45	262.2	217.2	163.0	8.8	91	90	10.4	7.5
site 04	12/23/2002	–	50	262.2	212.2	163.0	8.7	87	90	10.5	7.5
site 04	12/23/2002	–	55	262.2	207.2	163.0	8.7	87	91	10.6	7.5
site 04	12/23/2002	–	60	262.2	202.2	163.0	8.6	86	91	10.6	7.5
site 04	12/23/2002	–	65	262.2	197.2	163.0	8.5	86	92	10.8	7.5
site 04	12/23/2002	–	70	262.2	192.2	163.0	8.4	85	93	10.9	7.5
site 04	12/23/2002	–	75	262.2	187.2	163.0	8.3	83	93	11.0	7.5
site 04	12/23/2002	–	80	262.2	182.2	163.0	8.2	83	94	11.0	7.5
site 04	12/23/2002	–	85	262.2	177.2	163.0	8.1	82	93	11.0	7.5
site 04	12/23/2002	–	90	262.2	172.2	163.0	8.1	81	94	11.1	7.5
site 04	01/28/2003	15:30	1	297.5	296.5	163.0	11.8	83	118	12.8	8.0
site 04	01/28/2003	15:30	5	297.5	292.5	163.0	10.5	82	110	12.3	7.5
site 04	01/28/2003	15:30	10	297.5	287.5	163.0	9.8	75	107	12.1	7.4
site 04	01/28/2003	15:30	20	297.5	277.5	163.0	9.6	78	105	12.0	7.4
site 04	01/28/2003	15:30	30	297.5	267.5	163.0	9.4	76	104	11.9	7.3
site 04	01/28/2003	15:30	40	297.5	257.5	163.0	9.2	79	102	11.7	7.2
site 04	01/28/2003	15:30	50	297.5	247.5	163.0	8.9	81	96	11.1	7.2
site 04	01/28/2003	15:30	60	297.5	237.5	163.0	8.7	79	95	11.1	7.2
site 04	01/28/2003	15:30	70	297.5	227.5	163.0	8.6	79	95	11.1	7.2
site 04	01/28/2003	15:30	80	297.5	217.5	163.0	8.5	77	96	11.3	7.2
site 04	01/28/2003	15:30	90	297.5	207.5	163.0	8.3	72	98	11.5	7.3
site 04	01/28/2003	15:30	100	297.5	197.5	163.0	8.2	70	101	11.8	7.3
site 04	01/28/2003	15:30	110	297.5	187.5	163.0	8.2	70	101	11.8	7.3
site 04	01/28/2003	15:30	120	297.5	177.5	163.0	8.2	69	100	11.8	7.4
site 04	03/07/2003	–	1	300.1	299.1	163.0	11.6	80	95	10.3	7.9
site 04	03/07/2003	–	5	300.1	295.1	163.0	11.6	80	95	10.3	7.9
site 04	03/07/2003	–	10	300.1	290.1	163.0	11.6	80	95	10.3	7.9
site 04	03/07/2003	–	20	300.1	280.1	163.0	11.4	80	94	10.3	7.8
site 04	03/07/2003	–	30	300.1	270.1	163.0	11.3	80	91	10.0	7.5
site 04	03/07/2003	–	40	300.1	260.1	163.0	9.6	75	88	10.0	7.4
site 04	03/07/2003	–	50	300.1	250.1	163.0	9.2	74	88	10.2	7.4
site 04	03/07/2003	–	60	300.1	240.1	163.0	9.1	73	89	10.3	7.4
site 04	03/07/2003	–	70	300.1	230.1	163.0	8.8	72	89	10.4	7.4
site 04	03/07/2003	–	80	300.1	220.1	163.0	8.6	73	88	10.3	7.4
site 04	03/07/2003	–	90	300.1	210.1	163.0	8.5	73	88	10.3	7.4
site 04	03/07/2003	–	100	300.1	200.1	163.0	8.5	73	87	10.2	7.4
site 04	03/07/2003	–	105	300.1	195.1	163.0	8.5	73	87	10.2	7.2

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 04	03/07/2003	–	115	300.1	185.1	163.0	8.4	74	87	10.2	7.0
site 04	03/07/2003	–	125	300.1	175.1	163.0	8.4	74	88	10.3	6.8
site 04	04/17/2003	9:50	1	300.6	299.6	163.0	15.5	80	101	10.0	7.7
site 04	04/17/2003	9:50	5	300.6	295.6	163.0	15.4	80	100	10.0	7.6
site 04	04/17/2003	9:50	10	300.6	290.6	163.0	15.0	80	98	9.9	7.5
site 04	04/17/2003	9:50	20	300.6	280.6	163.0	13.5	81	93	9.6	7.4
site 04	04/17/2003	9:50	30	300.6	270.6	163.0	12.2	80	95	10.1	7.4
site 04	04/17/2003	9:50	40	300.6	260.6	163.0	11.7	80	98	10.6	7.4
site 04	04/17/2003	9:50	50	300.6	250.6	163.0	11.3	80	97	10.7	7.4
site 04	04/17/2003	9:50	60	300.6	240.6	163.0	11.1	81	95	10.5	7.4
site 04	04/17/2003	9:50	70	300.6	230.6	163.0	10.8	81	95	10.5	7.4
site 04	04/17/2003	9:50	75	300.6	225.6	163.0	10.6	79	94	10.4	7.4
site 04	04/17/2003	9:50	80	300.6	220.6	163.0	10.5	79	93	10.3	7.4
site 04	04/17/2003	9:50	85	300.6	215.6	163.0	10.4	78	90	10.1	7.4
site 04	04/17/2003	9:50	90	300.6	210.6	163.0	10.2	78	87	9.8	7.3
site 04	04/17/2003	9:50	95	300.6	205.6	163.0	10.1	78	85	9.6	7.4
site 04	04/17/2003	9:50	100	300.6	200.6	163.0	10.0	77	82	9.3	7.4
site 04	04/17/2003	9:50	105	300.6	195.6	163.0	9.9	77	79	8.9	7.5
site 04	04/17/2003	9:50	110	300.6	190.6	163.0	9.8	76	75	8.5	7.5
site 04	04/17/2003	9:50	115	300.6	185.6	163.0	9.7	76	73	8.3	7.6
site 04	04/17/2003	9:50	120	300.6	180.6	163.0	9.7	76	72	8.2	7.7
site 04	04/17/2003	9:50	125	300.6	175.6	163.0	9.7	76	74	8.5	7.8
site 05	11/28/2001	9:50	16	234.6	218.6	204.0	13.0	134	–	10.3	7.2
site 05	11/28/2001	9:50	26	234.6	208.6	204.0	11.2	117	–	9.5	7.2
site 05	04/22/2002	10:00	1	299.9	298.9	204.0	16.6	150	115	11.2	–
site 05	04/22/2002	10:00	10	299.9	289.9	204.0	16.3	128	114	11.2	–
site 05	04/22/2002	10:00	20	299.9	279.9	204.0	14.0	142	113	11.4	–
site 05	04/22/2002	10:00	30	299.9	269.9	204.0	13.7	126	114	11.8	–
site 05	04/22/2002	10:00	40	299.9	259.9	204.0	12.7	123	114	12.1	–
site 05	04/22/2002	10:00	50	299.9	249.9	204.0	11.7	122	109	11.9	–
site 05	04/22/2002	10:00	55	299.9	244.9	204.0	11.5	125	107	11.7	–
site 05	04/22/2002	10:00	60	299.9	239.9	204.0	11.2	127	103	11.3	–
site 05	04/22/2002	10:00	65	299.9	234.9	204.0	10.9	133	100	11.9	–
site 05	04/22/2002	10:00	70	299.9	229.9	204.0	10.8	136	95	10.6	–
site 05	04/22/2002	10:00	75	299.9	224.9	204.0	10.7	139	82	9.1	–
site 05	04/22/2002	10:00	80	299.9	219.9	204.0	10.3	144	38	4.2	–
site 05	04/22/2002	10:00	85	299.9	214.9	204.0	10.0	160	58	6.2	–
site 05	04/22/2002	10:00	90	299.9	209.9	204.0	10.0	176	18	2.0	–
site 05	06/18/2002	13:30	1	298.0	297.0	204.0	26.1	74	–	9.2	8.0
site 05	06/18/2002	13:30	5	298.0	293.0	204.0	25.4	74	–	9.5	8.2
site 05	06/18/2002	13:30	15	298.0	283.0	204.0	22.6	69	–	10.5	8.6

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 05	06/18/2002	13:30	25	298.0	273.0	204.0	21.1	47	–	9.8	8.0
site 05	06/18/2002	13:30	35	298.0	263.0	204.0	19.7	47	–	9.9	7.8
site 05	06/18/2002	13:30	45	298.0	253.0	204.0	18.5	49	–	9.5	7.7
site 05	06/18/2002	13:30	55	298.0	243.0	204.0	17.6	57	–	8.7	7.5
site 05	06/18/2002	13:30	65	298.0	233.0	204.0	16.3	60	–	7.7	7.2
site 05	06/18/2002	13:30	75	298.0	223.0	204.0	15.2	65	–	6.5	7.0
site 05	06/18/2002	13:30	85	298.0	213.0	204.0	12.1	74	–	6.0	6.9
site 05	06/18/2002	13:30	90	298.0	208.0	204.0	11.5	76	–	6.0	6.8
site 05	06/18/2002	13:30	92	298.0	206.0	204.0	11.4	77	–	6.0	6.8
site 05	08/06/2002	17:00	5	264.0	259.0	204.0	27.0	88	92	7.3	6.8
site 05	08/06/2002	17:00	10	264.0	254.0	204.0	26.0	88	83	6.7	7.1
site 05	08/06/2002	17:00	15	264.0	249.0	204.0	25.8	88	72	5.8	7.0
site 05	08/06/2002	17:00	20	264.0	244.0	204.0	25.7	90	63	5.1	6.9
site 05	08/06/2002	17:00	25	264.0	239.0	204.0	25.6	92	55	E4.4	6.8
site 05	08/06/2002	17:00	30	264.0	234.0	204.0	25.5	95	47	E3.8	6.8
site 05	08/06/2002	17:00	35	264.0	229.0	204.0	25.4	101	33	E2.6	6.7
site 05	08/06/2002	18:20	40	264.0	224.0	204.0	25.2	108	21	E1.6	6.8
site 05	08/06/2002	18:20	41	264.0	223.0	204.0	25.2	109	19	1.6	6.8
site 05	08/06/2002	18:20	42	264.0	222.0	204.0	25.0	109	11	0.87	6.7
site 05	08/06/2002	18:20	43	264.0	221.0	204.0	24.7	105	3.7	0.31	6.7
site 05	08/06/2002	18:20	44	264.0	220.0	204.0	24.0	97	0.3	0.02	6.7
site 05	08/06/2002	18:20	45	264.0	219.0	204.0	23.2	98	0.2	0.02	6.6
site 05	08/06/2002	18:20	46	264.0	218.0	204.0	22.1	92	0.2	0.02	6.6
site 05	08/06/2002	18:20	47	264.0	217.0	204.0	20.8	88	0.2	0.02	6.6
site 05	08/06/2002	18:20	48	264.0	216.0	204.0	20.3	85	0.2	0.02	6.6
site 05	08/06/2002	18:20	49	264.0	215.0	204.0	17.9	88	0.2	0.02	6.6
site 05	08/06/2002	18:20	50	264.0	214.0	204.0	16.0	96	0.2	0.02	6.5
site 05	08/06/2002	18:20	51	264.0	213.0	204.0	14.9	92	0.1	0.01	6.5
site 05	08/06/2002	18:20	52	264.0	212.0	204.0	13.9	91	0.2	0.02	6.6
site 05	08/06/2002	18:20	53	264.0	211.0	204.0	13.3	91	0.2	0.02	6.6
site 05	08/06/2002	18:20	54	264.0	210.0	204.0	12.9	92	0.2	0.02	6.6
site 05	08/06/2002	18:20	55	264.0	209.0	204.0	12.9	92	0.2	0.02	6.6
site 05	09/25/2002	12:40	1	214.0	213.0	204.0	23.2	118	92	7.8	6.8
site 05	09/25/2002	12:40	5	214.0	209.0	204.0	22.5	121	65	6.0	6.7
site 05	09/25/2002	12:40	10	214.0	204.0	204.0	20.8	129	26	2.3	6.9
site 05	12/23/2002	–	1	262.2	261.2	204.0	9.8	98	88	10.0	7.4
site 05	12/23/2002	–	5	262.2	257.2	204.0	9.5	99	88	10.0	7.5
site 05	12/23/2002	–	10	262.2	252.2	204.0	9.2	98	87	10.0	7.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 05	12/23/2002	–	15	262.2	247.2	204.0	9.2	99	87	10.1	7.5
site 05	12/23/2002	–	20	262.2	242.2	204.0	9.1	98	88	10.1	7.5
site 05	12/23/2002	–	25	262.2	237.2	204.0	8.9	96	89	10.3	7.5
site 05	01/17/2003	–	1	294.2	293.2	204.0	9.1	72	–	–	7.3
site 05	01/17/2003	–	5	294.2	289.2	204.0	8.9	72	–	–	7.3
site 05	01/17/2003	–	10	294.2	284.2	204.0	8.8	71	–	–	7.3
site 05	01/17/2003	–	15	294.2	279.2	204.0	8.6	73	–	–	7.3
site 05	01/17/2003	–	20	294.2	274.2	204.0	8.6	70	–	–	7.3
site 05	01/17/2003	–	25	294.2	269.2	204.0	8.6	70	–	–	7.3
site 05	01/17/2003	–	30	294.2	264.2	204.0	8.5	70	–	–	7.3
site 05	01/17/2003	–	35	294.2	259.2	204.0	8.5	70	–	–	7.3
site 05	01/17/2003	–	40	294.2	254.2	204.0	8.5	72	–	–	7.3
site 05	01/17/2003	–	45	294.2	249.2	204.0	8.3	68	–	–	7.3
site 05	01/17/2003	–	50	294.2	244.2	204.0	8.2	68	–	–	7.3
site 05	01/17/2003	–	55	294.2	239.2	204.0	8.2	68	–	–	7.3
site 05	01/28/2003	11:00	1	295.5	294.5	204.0	11.0	77	79	7.9	7.6
site 05	01/28/2003	11:00	5	295.5	290.5	204.0	10.4	75	78	8.1	7.4
site 05	01/28/2003	11:00	10	295.5	285.5	204.0	9.9	72	76	8.1	7.3
site 05	01/28/2003	11:00	15	295.5	280.5	204.0	9.6	69	75	8.1	7.3
site 05	01/28/2003	11:00	25	295.5	270.5	204.0	9.4	70	74	8.3	7.2
site 05	01/28/2003	11:00	35	295.5	260.5	204.0	9.2	72	73	8.4	7.1
site 05	01/28/2003	11:00	45	295.5	250.5	204.0	8.9	77	72	8.5	7.0
site 05	01/28/2003	11:00	55	295.5	240.5	204.0	8.7	77	70	8.5	7.0
site 05	01/28/2003	11:00	65	295.5	230.5	204.0	8.5	75	70	8.5	6.9
site 05	01/28/2003	11:00	75	295.5	220.5	204.0	8.3	71	69	8.7	6.8
site 05	01/28/2003	11:00	85	295.5	210.5	204.0	8.2	72	67	8.8	6.7
site 05	03/07/2003	–	1	300.1	299.1	204.0	11.2	78	93	10.2	7.8
site 05	03/07/2003	–	5	300.1	295.1	204.0	11.2	78	93	10.2	7.8
site 05	03/07/2003	–	10	300.1	290.1	204.0	11.1	78	93	10.2	7.8
site 05	03/07/2003	–	20	300.1	280.1	204.0	10.4	77	89	10.0	7.6
site 05	03/07/2003	–	30	300.1	270.1	204.0	10.2	74	91	10.2	7.6
site 05	03/07/2003	–	40	300.1	260.1	204.0	9.7	69	94	10.6	7.6
site 05	03/07/2003	–	50	300.1	250.1	204.0	9.3	68	94	10.8	7.5
site 05	03/07/2003	–	60	300.1	240.1	204.0	8.9	67	94	10.9	7.6
site 05	03/07/2003	–	70	300.1	230.1	204.0	8.7	67	93	10.9	7.6
site 05	03/07/2003	–	75	300.1	225.1	204.0	8.5	67	94	11.0	7.6
site 05	03/07/2003	–	80	300.1	220.1	204.0	8.5	67	94	11.0	7.5
site 05	03/07/2003	–	85	300.1	215.1	204.0	8.5	66	95	11.1	7.3
site 05	03/07/2003	–	90	300.1	210.1	204.0	8.4	67	94	11.0	7.1
site 05	04/17/2003	11:00	1	300.6	299.6	204.0	15.5	80	104	10.4	7.7
site 05	04/17/2003	11:00	5	300.6	295.6	204.0	15.3	80	102	10.2	7.6
site 05	04/17/2003	11:00	10	300.6	290.6	204.0	14.1	80	98	10.1	7.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 05	04/17/2003	11:00	20	300.6	280.6	204.0	13.3	79	100	10.3	7.5
site 05	04/17/2003	11:00	30	300.6	270.6	204.0	12.2	79	104	11.1	7.5
site 05	04/17/2003	11:00	40	300.6	260.6	204.0	11.5	79	104	11.3	7.5
site 05	04/17/2003	11:00	50	300.6	250.6	204.0	11.2	79	103	11.4	7.5
site 05	04/17/2003	11:00	55	300.6	245.6	204.0	11.1	79	103	11.3	7.5
site 05	04/17/2003	11:00	60	300.6	240.6	204.0	10.9	79	102	11.3	7.4
site 05	04/17/2003	11:00	65	300.6	235.6	204.0	10.7	79	100	11.1	7.4
site 05	04/17/2003	11:00	70	300.6	230.6	204.0	10.6	79	97	10.8	7.4
site 05	04/17/2003	11:00	75	300.6	225.6	204.0	10.4	78	94	10.5	7.4
site 05	04/17/2003	11:00	80	300.6	220.6	204.0	10.3	78	93	10.4	7.4
site 05	04/17/2003	11:00	85	300.6	215.6	204.0	10.2	78	88	9.9	7.4
site 05	04/17/2003	11:00	90	300.6	210.6	204.0	10.0	77	87	9.8	7.5
site 05	07/07/2003	–	1	294.2	293.2	204.0	26.0	81	104	8.4	8.1
site 05	07/07/2003	–	5	294.2	289.2	204.0	26.0	81	103	8.4	8.1
site 05	07/07/2003	–	10	294.2	284.2	204.0	26.0	81	103	8.3	8.0
site 05	07/07/2003	–	20	294.2	274.2	204.0	24.1	72	98	8.3	7.5
site 05	07/07/2003	–	30	294.2	264.2	204.0	23.0	64	95	8.2	7.2
site 05	07/07/2003	–	40	294.2	254.2	204.0	21.1	63	85	7.6	7.0
site 05	07/07/2003	–	50	294.2	244.2	204.0	19.9	64	76	7.0	6.9
site 05	07/07/2003	–	55	294.2	239.2	204.0	19.4	65	73	6.8	6.9
site 05	07/07/2003	–	60	294.2	234.2	204.0	18.9	66	69	6.4	6.8
site 05	07/07/2003	–	65	294.2	229.2	204.0	18.4	67	65	6.1	6.7
site 05	07/07/2003	–	70	294.2	224.2	204.0	17.7	69	55	5.3	6.7
site 05	07/07/2003	–	71	294.2	223.2	204.0	17.6	69	53	5.1	6.7
site 05	07/07/2003	–	72	294.2	222.2	204.0	17.2	70	47	4.5	6.6
site 05	07/07/2003	–	73	294.2	221.2	204.0	16.6	73	36	3.6	6.6
site 05	07/07/2003	–	74	294.2	220.2	204.0	16.3	79	35	3.4	6.6
site 05	07/07/2003	–	75	294.2	219.2	204.0	15.6	76	31	3.1	6.6
site 05	07/07/2003	–	76	294.2	218.2	204.0	14.8	78	30	3.1	6.6
site 05	07/07/2003	–	77	294.2	217.2	204.0	14.1	77	31	3.1	6.5
site 05	07/07/2003	–	78	294.2	216.2	204.0	14.4	75	29	2.8	6.6
site 05	07/07/2003	–	79	294.2	215.2	204.0	13.4	81	31	3.2	6.6
site 05	07/07/2003	–	80	294.2	214.2	204.0	12.5	82	32	3.4	6.6
site 05	10/10/2003	11:30	1	237.0	236.0	204.0	21.9	100	85	7.4	7.1
site 05	10/10/2003	11:30	5	237.0	232.0	204.0	21.8	100	85	7.4	7.1
site 05	10/10/2003	11:30	10	237.0	227.0	204.0	21.1	100	85	7.5	7.0
site 05	10/10/2003	11:30	15	237.0	222.0	204.0	21.8	100	85	7.5	7.0
site 05	10/10/2003	11:30	20	237.0	217.0	204.0	21.8	100	84	7.4	6.9
site 05	10/10/2003	11:30	25	237.0	212.0	204.0	21.8	103	84	7.4	6.8
site 05	10/10/2003	11:30	30	237.0	207.0	204.0	20.5	115	86	7.5	6.5
site 06	04/23/2002	13:20	1	299.9	298.9	–	19.6	86	114	10.4	–

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 06	04/23/2002	13:20	5	299.9	294.9	–	19.4	86	113	10.4	–
site 06	04/23/2002	13:20	10	299.9	289.9	–	18.4	86	111	10.4	–
site 06	04/23/2002	13:20	15	299.9	284.9	–	17.2	85	110	10.6	–
site 06	04/23/2002	13:20	20	299.9	279.9	–	16.1	84	104	10.3	–
site 06	04/23/2002	13:20	25	299.9	274.9	–	15.2	83	96	9.7	–
site 06	04/23/2002	13:20	30	299.9	269.9	–	13.8	77	97	10.1	–
site 06	08/07/2002	18:50	1	263.0	262.0	–	27.0	89	117	9.3	7.0
site 06	08/07/2002	18:50	5	263.0	258.0	–	27.0	89	120	9.6	7.2
site 06	08/07/2002	18:50	10	263.0	253.0	–	26.9	89	116	9.6	7.2
site 06	08/07/2002	18:50	15	263.0	248.0	–	26.0	91	115	8.3	7.2
site 06	08/07/2002	18:50	20	263.0	243.0	–	25.7	90	116	9.5	7.2
site 06	08/07/2002	18:50	25	263.0	238.0	–	25.6	90	113	9.2	7.2
site 06	08/07/2002	18:50	30	263.0	233.0	–	25.5	92	113	9.2	7.2
site 06	08/07/2002	18:50	35	263.0	228.0	–	25.3	95	111	9.1	7.1
site 06	08/07/2002	18:50	40	263.0	223.0	–	24.1	92	68	6.3	7.0
site 06	08/07/2002	18:50	45	263.0	218.0	–	23.9	88	28	1.5	6.8
site 06	08/07/2002	18:50	47	263.0	216.0	–	17.5	76	5.0	0.5	6.5
site 06	08/07/2002	18:50	50	263.0	213.0	–	15.5	88	6.9	0.7	6.8
site 06	09/25/2002	13:00	1	214.0	213.0	–	24.5	111	109	9.1	7.7
site 06	09/25/2002	13:00	5	214.0	209.0	–	24.2	110	107	9.0	7.4
site 06	09/25/2002	13:00	10	214.0	204.0	–	22.7	112	84	7.3	7.1
site 06	09/25/2002	13:00	15	214.0	199.0	–	22.3	116	72	6.4	7.1
site 06	09/25/2002	13:00	17	214.0	197.0	–	22.2	126	68	6.9	7.1
aite 06	01/30/2003	15:30	1	299.0	298.0	–	12.2	82	122	13.1	8.6
aite 06	01/30/2003	15:30	5	299.0	294.0	–	11.9	83	122	13.1	8.4
aite 06	01/30/2003	15:30	10	299.0	289.0	–	11.6	82	118	12.8	8.1
aite 06	01/30/2003	15:30	15	299.0	284.0	–	10.4	80	106	11.9	7.3
aite 06	01/30/2003	15:30	25	299.0	274.0	–	9.6	80	98	11.1	7.0
aite 06	01/30/2003	15:30	35	299.0	264.0	–	9.3	83	96	10.9	6.9
aite 06	01/30/2003	15:30	45	299.0	254.0	–	9.2	82	93	10.8	6.8
aite 06	01/30/2003	15:30	55	299.0	244.0	–	8.7	85	92	10.7	6.8
site 06	03/07/2003	–	1	300.1	299.1	–	11.4	80	95	10.4	7.8
site 06	03/07/2003	–	5	300.1	295.1	–	11.3	80	95	10.4	7.7
site 06	03/07/2003	–	10	300.1	290.1	–	10.8	79	92	10.2	7.6
site 06	03/07/2003	–	15	300.1	285.1	–	10.5	79	91	10.1	7.5
site 06	03/07/2003	–	25	300.1	275.1	–	10.4	79	90	10.1	7.4
site 06	03/07/2003	–	35	300.1	265.1	–	9.5	74	90	10.3	7.4
site 06	03/07/2003	–	45	300.1	255.1	–	8.9	71	92	10.6	7.4
site 06	03/07/2003	–	55	300.1	245.1	–	8.8	70	93	10.8	6.9
site 06	04/17/2003	14:00	1	300.6	299.6	–	16.0	81	105	10.4	7.6
site 06	04/17/2003	14:00	5	300.6	295.6	–	15.3	80	103	10.3	7.5
site 06	04/17/2003	14:00	15	300.6	285.6	–	14.5	80	97	9.9	7.3

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 06	04/17/2003	14:00	25	300.6	275.6	–	12.8	82	96	10.1	7.3
site 06	04/17/2003	14:00	35	300.6	265.6	–	11.7	81	99	10.7	7.4
site 06	04/17/2003	14:00	40	300.6	260.6	–	11.7	81	99	10.7	7.4
site 06	04/17/2003	14:00	45	300.6	255.6	–	11.6	81	99	10.7	7.4
site 06	04/17/2003	14:00	50	300.6	250.6	–	11.4	82	98	10.7	7.4
site 06	04/17/2003	14:00	55	300.6	245.6	–	11.1	84	100	10.9	7.4
site 06	04/17/2003	14:00	56	300.6	244.6	–	11.1	84	101	11.1	7.5
site 06	10/10/2003	12:00	1	237.0	236.0	–	21.8	102	88	7.8	7.3
site 06	10/10/2003	12:00	5	237.0	232.0	–	21.8	102	89	7.8	7.3
site 06	10/10/2003	12:00	10	237.0	227.0	–	21.8	103	89	7.8	7.3
site 06	10/10/2003	12:00	12	237.0	225.0	–	21.8	104	90	7.9	7.3
site 07	08/07/2002	14:40	1	263.0	262.0	–	26.9	89	102	8.1	7.2
site 07	08/07/2002	14:40	5	263.0	258.0	–	26.2	89	103	8.3	7.5
site 07	08/07/2002	14:40	10	263.0	253.0	–	25.8	89	94	7.7	7.3
site 07	08/07/2002	14:40	15	263.0	248.0	–	25.6	89	93	7.6	7.3
site 07	08/07/2002	14:40	20	263.0	243.0	–	25.6	89	93	7.6	7.3
site 07	08/07/2002	14:40	25	263.0	238.0	–	25.5	90	89	7.3	7.2
site 07	08/07/2002	14:40	30	263.0	233.0	–	25.4	92	80	6.6	7.1
site 07	08/07/2002	14:40	35	263.0	228.0	–	25.4	92	77	6.3	7.0
site 07	08/07/2002	14:40	37	263.0	226.0	–	25.3	93	71	6.1	7.0
site 07	04/17/2003	12:50	1	300.6	299.6	–	17.0	85	103	10.0	7.5
site 07	04/17/2003	12:50	5	300.6	295.6	–	16.0	84	100	9.9	7.3
site 07	04/17/2003	12:50	15	300.6	285.6	–	14.5	81	95	9.7	7.2
site 07	04/17/2003	12:50	25	300.6	275.6	–	12.7	83	86	9.1	7.2
site 07	04/17/2003	12:50	35	300.6	265.6	–	11.9	80	92	9.9	7.2
site 07	04/17/2003	12:50	45	300.6	255.6	–	11.6	81	93	10.1	7.1
site 07	04/17/2003	12:50	50	300.6	250.6	–	11.4	80	91	9.9	7.1
site 07	04/17/2003	12:50	55	300.6	245.6	–	11.2	80	89	9.8	7.1
site 07	04/17/2003	12:50	60	300.6	240.6	–	11.1	79	90	9.9	7.2
site 07	04/17/2003	12:50	65	300.6	235.6	–	11.0	79	91	10.0	7.2
site 07	04/17/2003	12:50	70	300.6	230.6	–	10.8	79	91	10.1	7.3
site 07	04/17/2003	12:50	75	300.6	225.6	–	10.7	79	90	10.0	7.3
site 07	04/17/2003	12:50	80	300.6	220.6	–	10.6	79	90	10.0	7.6
site 08	01/30/2003	13:20	1	299.0	298.0	–	11.6	85	81	8.8	7.1
site 08	01/30/2003	13:20	5	299.0	294.0	–	11.0	86	80	8.9	7.0
site 08	01/30/2003	13:20	10	299.0	289.0	–	11.0	85	78	8.7	6.5
site 08	01/30/2003	13:20	15	299.0	284.0	–	9.9	83	74	8.5	6.4
site 08	01/30/2003	13:20	20	299.0	279.0	–	9.6	85	72	8.2	6.2
site 08	01/30/2003	13:20	25	299.0	274.0	–	9.0	92	68	7.9	5.9
site 08	01/30/2003	13:20	30	299.0	269.0	–	9.0	106	68	7.8	5.6

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 08	01/30/2003	13:20	31	299.0	268.0	–	9.1	187	67	7.7	4.8
site 08	01/30/2003	13:20	32	299.0	267.0	–	9.1	196	67	7.8	4.7
site 08	01/30/2003	13:20	33	299.0	266.0	–	9.1	201	67	7.8	4.7
site 08	01/30/2003	13:20	34	299.0	265.0	–	9.1	203	68	7.9	4.7
site 08	01/30/2003	13:20	35	299.0	264.0	–	9.2	203	70	8.1	4.7
site 08	01/30/2003	13:20	36	299.0	263.0	–	9.2	202	87	10.0	4.7
site 08	01/30/2003	13:20	37	299.0	262.0	–	9.2	203	88	10.1	4.7
site 08	01/30/2003	13:20	38	299.0	261.0	–	9.2	203	88	10.2	4.6
site 08	01/30/2003	13:20	39	299.0	260.0	–	9.2	202	89	10.3	4.6
site 08	01/30/2003	13:20	40	299.0	259.0	–	9.2	201	90	10.4	4.6
site 08	04/17/2003	15:30	1	300.6	299.6	–	16.3	81	106	10.4	6.9
site 08	04/17/2003	15:30	5	300.6	295.6	–	15.1	80	105	10.6	6.8
site 08	04/17/2003	15:30	10	300.6	290.6	–	14.7	80	103	10.4	6.7
site 08	04/17/2003	15:30	15	300.6	285.6	–	14.4	80	98	10.0	6.4
site 08	04/17/2003	15:30	20	300.6	280.6	–	13.8	81	95	9.8	6.1
site 08	04/17/2003	15:30	25	300.6	275.6	–	12.3	83	88	9.5	6.1
site 08	04/17/2003	15:30	30	300.6	270.6	–	11.7	87	80	8.7	5.7
site 08	04/17/2003	15:30	35	300.6	265.6	–	10.3	100	73	8.2	5.4
site 08	04/17/2003	15:30	40	300.6	260.6	–	10.3	165	71	7.8	5.0
site 10	01/28/2001	8:45	16	234.6	229.6	145.8	13.3	147	–	8.7	7.3
site 10	01/28/2001	8:45	33	234.6	224.6	145.8	13.2	143	–	7.1	7.1
site 10	01/28/2001	8:45	49	234.6	219.6	145.8	12.8	142	–	7.1	7.1
site 10	01/28/2001	8:45	66	234.6	214.6	145.8	12.1	149	–	6.4	7.1
site 10	01/28/2001	8:45	82	234.6	209.6	145.8	11.9	178	–	4.2	6.9
site 10	08/09/2002	–	1	261.0	260.0	145.8	27.0	85	102	8.1	7.7
site 10	08/09/2002	–	10	261.0	251.0	145.8	26.0	85	101	8.2	7.6
site 10	08/09/2002	–	20	261.0	241.0	145.8	26.0	84	95	7.8	7.4
site 10	08/09/2002	–	30	261.0	231.0	145.8	25.5	84	88	7.2	7.2
site 10	08/09/2002	–	40	261.0	221.0	145.8	24.0	81	43	4.0	6.8
site 10	08/09/2002	–	45	261.0	216.0	145.8	21.0	70	23	2.1	6.8
site 10	08/09/2002	–	50	261.0	211.0	145.8	17.0	68	27	2.7	6.9
site 10	08/09/2002	–	55	261.0	206.0	145.8	13.0	76	42	4.5	7.3
site 10	08/09/2002	–	59	261.0	202.0	145.8	12.0	77	47	5.0	7.5
site 10	10/18/2002	–	1	199.8	198.8	145.8	18.8	111	104	9.7	7.7
site 10	10/18/2002	–	2	199.8	197.8	145.8	18.7	111	101	9.4	7.6
site 10	10/18/2002	–	7	199.8	192.8	145.8	18.5	110	96	9.0	7.4
site 10	10/18/2002	–	12	199.8	187.8	145.8	18.4	110	89	8.3	7.3
site 10	10/18/2002	–	17	199.8	182.8	145.8	18.2	111	78	7.4	7.1
site 10	10/18/2002	–	22	199.8	177.8	145.8	18.1	114	55	5.2	6.9
site 10	10/18/2002	–	23	199.8	176.8	145.8	17.9	114	40	3.8	6.9
site 10	10/18/2002	–	24	199.8	175.8	145.8	17.8	117	30	2.8	6.9

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 10	10/18/2002	–	25	199.8	174.8	145.8	17.8	117	28	2.7	6.9
site 10	10/18/2002	–	26	199.8	173.8	145.8	17.7	118	23	2.2	6.9
site 10	10/18/2002	–	27	199.8	172.8	145.8	17.6	118	20	1.9	6.9
site 10	10/18/2002	–	28	199.8	171.8	145.8	17.5	118	19	1.8	6.9
site 10	10/18/2002	–	29	199.8	170.8	145.8	17.4	119	16	1.6	6.8
site 10	10/18/2002	–	30	199.8	169.8	145.8	17.3	119	15	1.5	6.8
site 10	10/18/2002	–	31	199.8	168.8	145.8	17.3	120	15	1.5	6.8
site 10	10/18/2002	–	32	199.8	167.8	145.8	17.2	119	14	1.3	6.8
site 10	10/18/2002	–	33	199.8	166.8	145.8	17.0	122	12	1.2	6.8
site 10	10/18/2002	–	34	199.8	165.8	145.8	16.9	120	8.5	0.8	6.9
site 10	10/18/2002	–	35	199.8	164.8	145.8	16.6	116	6.3	0.6	6.9
site 10	10/18/2002	–	36	199.8	163.8	145.8	16.1	116	5.2	0.5	6.8
site 10	10/18/2002	–	37	199.8	162.8	145.8	15.7	110	–	–	6.6
site 10	10/18/2002	–	38	199.8	161.8	145.8	14.2	105	–	–	6.6
site 10	10/18/2002	–	39	199.8	160.8	145.8	12.8	102	–	–	6.7
site 10	10/18/2002	–	40	199.8	159.8	145.8	12.0	99	–	–	6.8
site 10	10/18/2002	–	42	199.8	157.8	145.8	11.2	98	–	–	6.6
site 10	10/18/2002	–	43	199.8	156.8	145.8	11.2	99	–	–	6.7
site 10	10/18/2002	–	44	199.8	155.8	145.8	11.1	101	–	–	6.7
site 10	10/18/2002	–	45	199.8	154.8	145.8	11.1	104	–	–	6.6
site 10	10/18/2002	–	46	199.8	153.8	145.8	11.1	104	–	–	6.7
site 10	10/18/2002	–	47	199.8	152.8	145.8	11.0	105	–	–	6.6
site 10	10/18/2002	–	48	199.8	151.8	145.8	11.0	108	–	–	6.6
site 10	10/18/2002	–	49	199.8	150.8	145.8	10.9	109	–	–	6.6
site 10	10/18/2002	–	50	199.8	149.8	145.8	11.1	114	–	–	6.7
site 10	04/16/2003	–	1	300.8	299.8	145.8	15.7	81	85	8.4	7.5
site 10	04/16/2003	–	5	300.8	295.8	145.8	15.4	81	83	8.3	7.5
site 10	04/16/2003	–	15	300.8	285.8	145.8	14.8	81	79	7.9	7.3
site 10	04/16/2003	–	25	300.8	275.8	145.8	12.7	80	74	7.8	7.2
site 10	04/16/2003	–	35	300.8	265.8	145.8	11.8	80	75	8.1	7.3
site 10	04/16/2003	–	45	300.8	255.8	145.8	11.5	79	76	8.3	7.3
site 10	04/16/2003	–	55	300.8	245.8	145.8	11.1	81	78	8.5	7.2
site 10	04/16/2003	–	65	300.8	235.8	145.8	10.8	82	77	8.5	7.2
site 10	04/16/2003	–	70	300.8	230.8	145.8	10.7	81	77	8.5	7.2
site 10	04/16/2003	–	75	300.8	225.8	145.8	10.5	81	76	8.5	7.2
site 10	04/16/2003	–	80	300.8	220.8	145.8	10.5	80	74	8.4	7.2
site 10	04/16/2003	–	85	300.8	215.8	145.8	10.3	78	72	8.1	7.2
site 10	04/16/2003	–	90	300.8	210.8	145.8	10.2	77	72	8.1	7.2
site 10	04/16/2003	–	95	300.8	205.8	145.8	10.1	77	71	8.0	7.2
site 10	04/16/2003	–	100	300.8	200.8	145.8	10.1	77	71	8.0	7.2
site 10	04/16/2003	–	105	300.8	195.8	145.8	9.9	76	69	7.9	7.3
site 10	04/16/2003	–	110	300.8	190.8	145.8	9.8	75	69	7.8	7.3

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 10	04/16/2003	–	115	300.8	185.8	145.8	9.8	75	69	7.8	7.3
site 10	04/16/2003	–	120	300.8	180.8	145.8	9.7	75	68	7.8	7.3
site 10	04/16/2003	–	125	300.8	175.8	145.8	9.7	75	68	7.8	7.3
site 10	04/16/2003	–	130	300.8	170.8	145.8	9.6	75	68	7.8	7.4
site 10	04/16/2003	–	135	300.8	165.8	145.8	9.6	75	68	7.8	7.4
site 10	04/16/2003	–	140	300.8	160.8	145.8	9.6	75	69	7.8	7.5
site 10	04/16/2003	–	145	300.8	155.8	145.8	9.6	75	69	7.9	7.5
site 10	04/16/2003	–	150	300.8	150.8	145.8	9.6	75	70	8.0	7.6
site 10	04/16/2003	–	155	300.8	145.8	145.8	9.6	75	72	8.1	7.7
site 10	04/17/2003	–	1	300.6	299.6	145.8	15.1	81	94	9.5	7.7
site 10	04/17/2003	–	5	300.6	295.6	145.8	15.1	81	94	9.5	7.7
site 10	04/17/2003	–	10	300.6	290.6	145.8	15.0	81	94	9.5	7.7
site 10	04/17/2003	–	15	300.6	285.6	145.8	14.9	81	94	9.5	7.7
site 10	04/17/2003	–	20	300.6	280.6	145.8	14.9	81	94	9.5	7.7
site 10	04/17/2003	–	25	300.6	275.6	145.8	14.1	81	94	9.5	7.5
site 10	04/17/2003	–	30	300.6	270.6	145.8	14.1	81	94	9.5	7.8
site 10	04/17/2003	–	35	300.6	265.6	145.8	14.1	81	93	9.4	7.8
site 10	04/17/2003	–	40	300.6	260.6	145.8	14.0	80	90	9.6	7.8
site 10	07/07/2003	–	1	294.2	293.2	145.8	26.5	81	100	8.1	8.2
site 10	07/07/2003	–	5	294.2	289.2	145.8	26.5	81	100	8.1	8.2
site 10	07/07/2003	–	10	294.2	284.2	145.8	26.5	82	100	8.1	8.2
site 10	07/07/2003	–	20	294.2	274.2	145.8	26.4	81	100	8.1	8.2
site 10	07/07/2003	–	30	294.2	264.2	145.8	25.8	80	100	8.0	8.1
site 11	01/28/2001	9:20	16	234.6	218.6	146.0	13.3	134	–	8.8	7.1
site 11	01/28/2001	9:20	33	234.6	201.6	146.0	13.3	143	–	8.3	7.1
site 11	01/28/2001	9:20	49	234.6	185.6	146.0	12.5	222	–	8.0	7.1
site 11	01/28/2001	9:20	66	234.6	168.6	146.0	12.0	238	–	7.4	7.1
site 11	01/28/2001	9:20	75	234.6	159.6	146.0	11.7	284	–	7.3	7.1
site 11	08/09/2002	–	1	261.0	260.0	146.0	27.0	85	101	8.0	7.7
site 11	08/09/2002	–	10	261.0	251.0	146.0	26.0	84	100	8.1	7.6
site 11	08/09/2002	–	20	261.0	241.0	146.0	25.5	84	92	7.6	7.3
site 11	08/09/2002	–	30	261.0	231.0	146.0	25.5	84	82	6.9	7.1
site 11	08/09/2002	–	40	261.0	221.0	146.0	24.0	81	35	3.0	6.7
site 11	08/09/2002	–	45	261.0	216.0	146.0	20.0	69	21	1.9	6.7
site 11	08/09/2002	–	55	261.0	206.0	146.0	13.0	75	46	4.9	6.8
site 11	08/09/2002	–	65	261.0	196.0	146.0	11.0	80	43	4.8	6.8
site 11	08/09/2002	–	75	261.0	186.0	146.0	11.0	82	35	3.9	6.8
site 11	08/09/2002	–	85	261.0	176.0	146.0	10.5	84	31	3.5	6.9
site 11	08/09/2002	–	95	261.0	166.0	146.0	10.5	84	27	3.1	6.9
site 11	08/09/2002	–	105	261.0	156.0	146.0	10.5	86	17	2.0	7.1
site 11	08/09/2002	–	110	261.0	151.0	146.0	10.5	87	11	1.2	7.2

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 11	08/09/2002	–	115	261.0	146.0	146.0	10.5	90	17	1.8	7.3
site 11	09/06/2002	11:00	1	227.8	226.8	146.0	23.3	101	79	6.7	7.3
site 11	09/06/2002	11:00	5	227.8	222.8	146.0	23.3	101	79	6.7	7.3
site 11	09/06/2002	11:00	10	227.8	217.8	146.0	23.3	104	79	6.7	7.3
site 11	09/06/2002	11:00	20	227.8	207.8	146.0	23.3	101	80	7.0	7.2
site 11	09/06/2002	11:00	25	227.8	202.8	146.0	23.2	102	74	6.3	7.2
site 11	09/06/2002	11:00	30	227.8	197.8	146.0	23.1	102	69	5.9	7.0
site 11	09/06/2002	11:00	35	227.8	192.8	146.0	22.7	105	58	5.1	6.9
site 11	09/06/2002	11:00	40	227.8	187.8	146.0	20.0	95	2.8	0.24	6.4
site 11	09/06/2002	11:00	45	227.8	182.8	146.0	15.6	84	2.9	0.29	6.4
site 11	09/06/2002	11:00	48	227.8	179.8	146.0	13.6	95	2.0	0.21	6.4
site 11	09/06/2002	11:00	49	227.8	178.8	146.0	13.4	96	2.0	0.21	6.4
site 11	09/06/2002	11:00	50	227.8	177.8	146.0	12.5	99	2.2	0.23	6.4
site 11	09/06/2002	11:00	51	227.8	176.8	146.0	11.8	100	2.3	0.25	6.4
site 11	09/06/2002	11:00	52	227.8	175.8	146.0	11.6	99	2.4	0.26	6.5
site 11	09/06/2002	11:00	53	227.8	174.8	146.0	11.5	99	2.5	2.70	6.5
site 11	09/06/2002	11:00	54	227.8	173.8	146.0	11.4	99	2.6	0.28	6.5
site 11	09/06/2002	11:00	55	227.8	172.8	146.0	11.4	99	2.7	0.29	6.5
site 11	09/06/2002	11:00	56	227.8	171.8	146.0	11.3	99	2.9	0.32	6.5
site 11	09/06/2002	11:00	57	227.8	170.8	146.0	11.2	99	3.2	0.34	6.5
site 11	09/06/2002	11:00	58	227.8	169.8	146.0	11.2	99	3.6	0.40	6.6
site 11	09/06/2002	11:00	59	227.8	168.8	146.0	11.0	98	6.5	0.71	6.7
site 11	09/06/2002	11:00	60	227.8	167.8	146.0	11.0	98	9.0	1.0	6.8
site 11	09/06/2002	11:00	65	227.8	162.8	146.0	11.0	97	21	2.3	6.9
site 11	10/18/2002	–	1	199.8	198.8	146.0	19.9	111	103	9.6	7.5
site 11	10/18/2002	–	5	199.8	194.8	146.0	18.6	109	96	9.0	7.5
site 11	10/18/2002	–	10	199.8	189.8	146.0	18.1	113	76	7.1	7.2
site 11	10/18/2002	–	15	199.8	184.8	146.0	18.1	112	68	6.4	7.1
site 11	10/18/2002	–	18	199.8	181.8	146.0	18.0	115	57	5.4	7.0
site 11	10/18/2002	–	19	199.8	180.8	146.0	18.0	117	41	3.9	6.9
site 11	10/18/2002	–	20	199.8	179.8	146.0	18.0	115	36	3.4	6.9
site 11	10/18/2002	–	21	199.8	178.8	146.0	18.0	116	32	3.0	6.9
site 11	10/18/2002	–	22	199.8	177.8	146.0	17.9	113	32	3.1	6.9
site 11	10/18/2002	–	23	199.8	176.8	146.0	17.9	118	28	2.7	6.9
site 11	10/18/2002	–	24	199.8	175.8	146.0	17.9	117	29	2.7	6.9
site 11	10/18/2002	–	25	199.8	174.8	146.0	17.8	117	23	2.2	6.8
site 11	10/18/2002	–	26	199.8	173.8	146.0	17.7	118	22	2.1	6.8
site 11	10/18/2002	–	27	199.8	172.8	146.0	17.6	120	20	1.9	6.8
site 11	10/18/2002	–	28	199.8	171.8	146.0	17.6	119	19	1.8	6.9
site 11	10/18/2002	–	29	199.8	170.8	146.0	17.5	118	25	2.4	6.9
site 11	10/18/2002	–	30	199.8	169.8	146.0	17.5	118	22	2.1	6.9
site 11	10/18/2002	–	31	199.8	168.8	146.0	17.4	118	19	1.8	6.9

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 11	10/18/2002	–	32	199.8	167.8	146.0	17.3	120	10	1.0	7.0
site 11	10/18/2002	–	33	199.8	166.8	146.0	17.4	120	12	1.1	7.0
site 11	10/18/2002	–	34	199.8	165.8	146.0	17.2	120	14	1.3	7.0
site 11	10/18/2002	–	35	199.8	164.8	146.0	16.4	121	–	–	7.0
site 11	10/18/2002	–	40	199.8	159.8	146.0	12.0	108	–	–	7.0
site 11	10/18/2002	–	45	199.8	154.8	146.0	11.2	113	–	–	7.0
site 11	10/18/2002	–	50	199.8	149.8	146.0	11.2	114	–	–	7.1
site 11	11/06/2002	–	1	204.4	203.4	146.0	15.0	120	81	8.2	7.3
site 11	11/06/2002	–	5	204.4	199.4	146.0	14.4	120	79	8.0	7.2
site 11	11/06/2002	–	10	204.4	194.4	146.0	13.9	121	73	7.5	7.2
site 11	11/06/2002	–	15	204.4	189.4	146.0	13.8	120	71	7.4	7.2
site 11	11/06/2002	–	20	204.4	184.4	146.0	13.8	120	72	7.4	7.2
site 11	11/06/2002	–	25	204.4	179.4	146.0	13.8	120	72	7.4	7.2
site 11	11/06/2002	–	30	204.4	174.4	146.0	13.7	122	70	7.3	7.2
site 11	11/06/2002	–	35	204.4	169.4	146.0	13.7	122	69	7.1	7.2
site 11	11/06/2002	–	40	204.4	164.4	146.0	13.7	122	69	7.1	7.2
site 11	11/06/2002	–	45	204.4	159.4	146.0	13.5	130	64	6.7	7.1
site 11	11/06/2002	–	49	204.4	155.4	146.0	12.9	131	59	6.2	7.2
site 11	12/23/2002	–	1	262.2	261.2	146.0	10.2	115	87	9.7	7.4
site 11	12/23/2002	–	5	262.2	257.2	146.0	9.3	104	85	9.7	7.4
site 11	12/23/2002	–	10	262.2	252.2	146.0	9.2	105	85	9.7	7.4
site 11	12/23/2002	–	15	262.2	247.2	146.0	9.2	107	84	9.7	7.4
site 11	12/23/2002	–	20	262.2	242.2	146.0	9.2	107	85	9.7	7.4
site 11	12/23/2002	–	25	262.2	237.2	146.0	9.2	107	84	9.7	7.4
site 11	12/23/2002	–	30	262.2	232.2	146.0	9.1	106	85	9.7	7.4
site 11	12/23/2002	–	35	262.2	227.2	146.0	9.1	104	85	9.8	7.4
site 11	12/23/2002	–	40	262.2	222.2	146.0	9.1	104	86	9.9	7.4
site 11	12/23/2002	–	45	262.2	217.2	146.0	9.1	103	86	9.9	7.4
site 11	12/23/2002	–	50	262.2	212.2	146.0	9.0	100	87	10.1	7.4
site 11	12/23/2002	–	55	262.2	207.2	146.0	8.9	93	88	10.2	7.4
site 11	12/23/2002	–	60	262.2	202.2	146.0	8.9	93	88	10.3	7.4
site 11	12/23/2002	–	65	262.2	197.2	146.0	8.8	91	89	10.3	7.4
site 11	12/23/2002	–	70	262.2	192.2	146.0	8.8	90	89	10.4	7.4
site 11	12/23/2002	–	75	262.2	187.2	146.0	8.8	89	89	10.3	7.4
site 11	12/23/2002	–	80	262.2	182.2	146.0	8.7	88	90	10.5	7.5
site 11	12/23/2002	–	85	262.2	177.2	146.0	8.6	85	90	10.6	7.5
site 11	12/23/2002	–	90	262.2	172.2	146.0	8.6	87	90	10.6	7.5
site 11	12/23/2002	–	95	262.2	167.2	146.0	8.6	86	91	10.6	7.5
site 11	12/23/2002	–	100	262.2	162.2	146.0	8.6	86	91	10.6	7.5
site 11	12/23/2002	–	105	262.2	157.2	146.0	8.6	86	92	10.7	7.5
site 11	01/17/2003	–	1	294.2	293.2	146.0	10.0	91	–	–	7.4

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 11	01/17/2003	–	5	294.2	289.2	146.0	9.9	91	–	–	7.4
site 11	01/17/2003	–	10	294.2	284.2	146.0	9.7	91	–	–	7.3
site 11	01/17/2003	–	20	294.2	274.2	146.0	9.3	90	–	–	7.3
site 11	01/17/2003	–	30	294.2	264.2	146.0	8.8	92	–	–	7.3
site 11	01/17/2003	–	40	294.2	254.2	146.0	8.8	90	–	–	7.2
site 11	01/17/2003	–	50	294.2	244.2	146.0	8.4	90	–	–	7.2
site 11	01/17/2003	–	60	294.2	234.2	146.0	8.7	90	–	–	7.2
site 11	01/17/2003	–	70	294.2	224.2	146.0	8.6	89	–	–	7.2
site 11	01/17/2003	–	80	294.2	214.2	146.0	8.4	80	–	–	7.3
site 11	01/17/2003	–	90	294.2	204.2	146.0	8.2	77	–	–	7.3
site 11	01/17/2003	–	100	294.2	194.2	146.0	8.2	75	–	–	7.3
site 11	01/17/2003	–	110	294.2	184.2	146.0	8.2	75	–	–	7.3
site 11	01/17/2003	–	120	294.2	174.2	146.0	8.1	75	–	–	7.4
site 11	01/17/2003	–	130	294.2	164.2	146.0	8.1	75	–	–	7.4
site 11	01/17/2003	–	140	294.2	154.2	146.0	8.1	74	–	–	7.5
site 12	09/06/2002	12:00	1	227.8	226.8	162.0	23.3	102	82	7.0	7.3
site 12	09/06/2002	12:00	5	227.8	222.8	162.0	23.3	102	81	6.9	7.3
site 12	09/06/2002	12:00	15	227.8	212.8	162.0	23.3	102	80	6.8	7.2
site 12	09/06/2002	12:00	25	227.8	202.8	162.0	23.2	102	78	6.6	7.2
site 12	09/06/2002	12:00	30	227.8	197.8	162.0	23.1	102	72	6.3	7.1
site 12	09/06/2002	12:00	35	227.8	192.8	162.0	22.9	106	47	4.2	6.7
site 12	09/06/2002	12:00	40	227.8	187.8	162.0	18.9	90	3.2	0.29	6.5
site 12	09/06/2002	12:00	41	227.8	186.8	162.0	18.7	89	3.3	0.31	6.5
site 12	09/06/2002	12:00	42	227.8	185.8	162.0	18.6	89	3.4	0.31	6.5
site 12	09/06/2002	12:00	43	227.8	184.8	162.0	18.3	86	3.6	0.35	6.5
site 12	09/06/2002	12:00	44	227.8	183.8	162.0	16.4	88	3.9	0.37	6.6
site 12	09/06/2002	12:00	45	227.8	182.8	162.0	15.5	88	4.6	0.45	6.6
site 12	09/06/2002	12:00	46	227.8	181.8	162.0	16.7	90	1.6	0.16	6.5
site 12	09/06/2002	12:00	47	227.8	180.8	162.0	15.2	91	1.7	0.17	6.6
site 12	09/06/2002	12:00	48	227.8	179.8	162.0	15.2	90	1.8	0.18	6.5
site 12	09/06/2002	12:00	49	227.8	178.8	162.0	14.6	93	2.0	0.21	6.5
site 12	09/06/2002	12:00	50	227.8	177.8	162.0	14.1	101	3.8	0.33	6.6
site 12	09/06/2002	12:00	51	227.8	176.8	162.0	13.6	104	9.0	0.81	6.7
site 12	09/06/2002	12:00	52	227.8	175.8	162.0	12.8	104	2.2	0.23	6.5
site 12	09/06/2002	12:00	53	227.8	174.8	162.0	11.9	103	2.4	0.26	6.6
site 12	09/06/2002	12:00	54	227.8	173.8	162.0	12.9	103	2.5	0.27	6.5
site 12	09/06/2002	12:00	55	227.8	172.8	162.0	11.7	103	3.4	0.36	6.6
site 12	09/06/2002	12:00	57	227.8	170.8	162.0	11.9	103	4.4	0.45	6.7
site 12	09/06/2002	12:00	58	227.8	169.8	162.0	11.7	103	6.9	0.67	6.7
site 12	09/06/2002	12:00	60	227.8	167.8	162.0	11.3	104	15	1.4	6.8
site 12	09/25/2002	–	1	214.0	213.0	162.0	24.2	109	111	9.3	8.1

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 12	09/25/2002	–	5	214.0	209.0	162.0	24.2	110	106	8.9	7.9
site 12	09/25/2002	–	10	214.0	204.0	162.0	22.5	105	82	7.1	7.1
site 12	09/25/2002	–	15	214.0	199.0	162.0	22.2	105	68	5.9	7.0
site 12	09/25/2002	–	20	214.0	194.0	162.0	21.9	106	46	4.0	6.9
site 12	09/25/2002	–	25	214.0	189.0	162.0	21.8	106	45	4.0	6.9
site 12	09/25/2002	–	30	214.0	184.0	162.0	21.7	107	42	3.8	6.9
site 12	09/25/2002	–	31	214.0	183.0	162.0	21.6	107	39	3.4	6.9
site 12	09/25/2002	–	32	214.0	182.0	162.0	21.6	108	37	3.3	6.9
site 12	09/25/2002	–	33	214.0	181.0	162.0	21.6	109	34	3.0	6.9
site 12	09/25/2002	–	34	214.0	180.0	162.0	21.6	110	32	2.8	6.9
site 12	09/25/2002	–	35	214.0	179.0	162.0	21.5	110	17	1.5	6.8
site 12	09/25/2002	–	40	214.0	174.0	162.0	21.1	117	7.8	0.7	6.7
site 12	09/25/2002	–	45	214.0	169.0	162.0	15.7	118	1.3	0.1	6.7
site 12	09/25/2002	–	50	214.0	164.0	162.0	11.4	127	1.5	0.2	6.7
site 12	09/25/2002	–	52	214.0	162.0	162.0	11.4	127	2.5	0.3	6.8
site 12	11/06/2002	–	1	204.4	203.4	162.0	14.8	122	86	8.8	7.3
site 12	11/06/2002	–	5	204.4	199.4	162.0	14.0	122	79	8.1	7.3
site 12	11/06/2002	–	10	204.4	194.4	162.0	14.0	122	78	8.0	7.3
site 12	11/06/2002	–	15	204.4	189.4	162.0	13.9	122	78	8.0	7.3
site 12	11/06/2002	–	20	204.4	184.4	162.0	13.9	122	77	8.0	7.2
site 12	11/06/2002	–	25	204.4	179.4	162.0	13.7	129	70	7.3	7.2
site 12	11/06/2002	–	30	204.4	174.4	162.0	12.9	137	71	7.5	7.2
site 12	11/06/2002	–	35	204.4	169.4	162.0	12.6	138	71	7.5	7.3
site 13	09/25/2002	–	1	214.0	213.0	176.0	24.2	108	98	8.3	7.3
site 13	09/25/2002	–	5	214.0	209.0	176.0	23.2	108	76	6.5	7.1
site 13	09/25/2002	–	10	214.0	204.0	176.0	22.2	108	50	4.3	6.9
site 13	09/25/2002	–	15	214.0	199.0	176.0	22.0	110	42	3.7	6.9
site 13	09/25/2002	–	20	214.0	194.0	176.0	21.9	112	38	3.4	6.8
site 13	09/25/2002	–	25	214.0	189.0	176.0	21.9	112	35	3.0	6.8
site 13	09/25/2002	–	30	214.0	184.0	176.0	21.7	112	26	2.3	6.8
site 13	09/25/2002	–	35	214.0	179.0	176.0	21.5	117	15	1.4	6.8
site 13	09/25/2002	–	38	214.0	176.0	176.0	21.3	123	15	1.5	6.9
site 13	01/17/2003	–	1	294.2	293.2	176.0	9.9	80	–	–	7.4
site 13	01/17/2003	–	5	294.2	289.2	176.0	9.8	80	–	–	7.3
site 13	01/17/2003	–	10	294.2	284.2	176.0	9.1	78	–	–	7.3
site 13	01/17/2003	–	15	294.2	279.2	176.0	9.1	78	–	–	7.3
site 13	01/17/2003	–	20	294.2	274.2	176.0	9.0	77	–	–	7.3
site 13	01/17/2003	–	25	294.2	269.2	176.0	8.9	79	–	–	7.2
site 13	01/17/2003	–	30	294.2	264.2	176.0	8.8	78	–	–	7.2
site 13	01/17/2003	–	35	294.2	259.2	176.0	8.8	80	–	–	7.2
site 13	01/17/2003	–	40	294.2	254.2	176.0	8.8	85	–	–	7.2

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 13	01/17/2003	–	45	294.2	249.2	176.0	8.7	87	–	–	7.2
site 13	01/17/2003	–	50	294.2	244.2	176.0	8.7	87	–	–	7.2
site 13	01/17/2003	–	55	294.2	239.2	176.0	8.7	87	–	–	7.2
site 13	01/17/2003	–	60	294.2	234.2	176.0	8.6	86	–	–	7.2
site 13	01/17/2003	–	65	294.2	229.2	176.0	8.6	85	–	–	7.2
site 13	01/17/2003	–	70	294.2	224.2	176.0	8.5	78	–	–	7.3
site 13	01/17/2003	–	75	294.2	219.2	176.0	8.4	77	–	–	7.3
site 13	01/17/2003	–	80	294.2	214.2	176.0	8.4	77	–	–	7.3
site 13	01/17/2003	–	85	294.2	209.2	176.0	8.4	77	–	–	7.4
site 13	01/17/2003	–	90	294.2	204.2	176.0	8.3	77	–	–	7.4
site 13	01/17/2003	–	95	294.2	199.2	176.0	8.2	76	–	–	7.5
site 13	01/17/2003	–	100	294.2	194.2	176.0	8.2	75	–	–	7.5
site 13	07/07/2003	–	1	294.2	293.2	176.0	26.1	80	102	8.3	8.3
site 13	07/07/2003	–	5	294.2	289.2	176.0	26.1	80	102	8.3	8.2
site 13	07/07/2003	–	10	294.2	284.2	176.0	26.1	81	102	8.3	8.3
site 13	07/07/2003	–	15	294.2	279.2	176.0	25.8	80	105	8.6	8.3
site 13	07/07/2003	–	20	294.2	274.2	176.0	25.7	80	102	8.3	8.2
site 13	07/07/2003	–	30	294.2	264.2	176.0	22.8	69	101	8.2	7.5
site 13	07/07/2003	–	40	294.2	254.2	176.0	21.1	66	88	7.8	7.2
site 13	07/07/2003	–	50	294.2	244.2	176.0	19.9	67	77	7.0	7.0
site 13	07/07/2003	–	60	294.2	234.2	176.0	18.9	67	70	6.5	6.9
site 13	07/07/2003	–	70	294.2	224.2	176.0	18.8	69	65	6.2	6.9
site 13	07/07/2003	–	80	294.2	214.2	176.0	18.4	70	70	6.5	7.0
site 13	07/07/2003	–	90	294.2	204.2	176.0	18.0	79	66	6.1	6.8
site 13	07/07/2003	–	100	294.2	194.2	176.0	11.6	80	55	6.0	6.8
site 13	07/07/2003	–	105	294.2	189.2	176.0	11.6	79	54	5.8	6.9
site 13	07/07/2003	–	110	294.2	184.2	176.0	11.2	82	51	5.6	6.9
site 13	07/07/2003	–	115	294.2	179.2	176.0	11.2	82	51	5.6	7.0
site 13	10/10/2003	12:15	1	237.0	236.0	176.0	21.9	98	83	7.3	7.5
site 13	10/10/2003	12:15	5	237.0	232.0	176.0	21.9	98	83	7.3	7.4
site 13	10/10/2003	12:15	10	237.0	227.0	176.0	21.9	98	83	7.3	7.4
site 13	10/10/2003	12:15	20	237.0	217.0	176.0	21.9	98	83	7.3	7.4
site 13	10/10/2003	12:15	30	237.0	207.0	176.0	21.9	98	84	7.4	7.4
site 13	10/10/2003	12:15	40	237.0	197.0	176.0	21.9	98	84	7.4	7.4
site 13	10/10/2003	12:15	50	237.0	187.0	176.0	21.8	99	83	7.3	7.4
site 13	10/10/2003	12:15	60	237.0	177.0	176.0	21.7	98	87	7.6	7.5
site 14	01/02/2002	–	5	281.3	276.3	181.0	10.7	88	–	11.2	7.2
site 14	01/02/2002	–	10	281.3	271.3	181.0	9.9	106	–	11.3	7.2
site 14	01/02/2002	–	15	281.3	266.3	181.0	9.0	122	–	11.3	7.2
site 14	01/02/2002	–	20	281.3	261.3	181.0	8.7	115	–	10.9	7.2
site 14	02/12/2002	–	10	298.8	288.8	181.0	8.6	97	–	13.2	7.6

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 14	02/12/2002	–	40	298.8	258.8	181.0	7.7	96	–	13.7	7.4
site 14	02/12/2002	–	80	298.8	218.8	181.0	6.9	84	–	14.2	7.5
site 14	04/22/2002	–	1	299.9	298.9	181.0	16.6	150	115	11.2	–
site 14	04/22/2002	–	10	299.9	289.9	181.0	16.3	148	114	11.2	–
site 14	04/22/2002	–	20	299.9	279.9	181.0	14.0	142	113	11.4	–
site 14	04/22/2002	–	30	299.9	269.9	181.0	13.8	126	114	11.8	–
site 14	04/22/2002	–	40	299.9	259.9	181.0	12.7	123	114	12.1	–
site 14	04/22/2002	–	50	299.9	249.9	181.0	11.7	122	109	11.9	–
site 14	04/22/2002	–	55	299.9	244.9	181.0	11.5	125	107	11.7	–
site 14	04/22/2002	–	60	299.9	239.9	181.0	11.2	127	103	11.3	–
site 14	04/22/2002	–	65	299.9	234.9	181.0	10.9	133	100	11.9	–
site 14	04/22/2002	–	70	299.9	229.9	181.0	10.8	136	95	10.6	–
site 14	04/22/2002	–	75	299.9	224.9	181.0	10.7	139	82	9.1	–
site 14	04/22/2002	–	80	299.9	219.9	181.0	10.3	155	38	4.2	–
site 14	04/22/2002	–	85	299.9	214.9	181.0	10.0	160	58	6.2	–
site 14	04/22/2002	–	90	299.9	209.9	181.0	10.0	176	18	2.0	–
site 14	06/18/2002	–	1	298.0	297.0	181.0	26.1	74	–	9.2	8
site 14	06/18/2002	–	5	298.0	293.0	181.0	25.4	74	–	9.5	8
site 14	06/18/2002	–	15	298.0	283.0	181.0	22.6	69	–	10.5	9
site 14	06/18/2002	–	25	298.0	273.0	181.0	21.1	47	–	9.8	8
site 14	06/18/2002	–	35	298.0	263.0	181.0	19.7	47	–	9.9	8
site 14	06/18/2002	–	45	298.0	253.0	181.0	18.5	49	–	9.5	8
site 14	06/18/2002	–	55	298.0	243.0	181.0	17.6	57	–	8.7	8
site 14	06/18/2002	–	65	298.0	233.0	181.0	16.3	60	–	7.7	7
site 14	06/18/2002	–	75	298.0	223.0	181.0	15.2	65	–	6.5	7
site 14	06/18/2002	–	85	298.0	213.0	181.0	12.1	74	–	6.0	7
site 14	06/18/2002	–	90	298.0	208.0	181.0	11.5	76	–	6.0	7
site 14	06/18/2002	–	92	298.0	206.0	181.0	11.4	77	–	6.0	7
site 14	08/09/2002	–	1	261.0	260.0	181.0	27.0	86	102	8.2	7.6
site 14	08/09/2002	–	10	261.0	251.0	181.0	26.0	87	97	7.9	7.3
site 14	08/09/2002	–	20	261.0	241.0	181.0	25.5	86	81	6.6	7.1
site 14	08/09/2002	–	30	261.0	231.0	181.0	25.0	85	64	5.4	6.9
site 14	08/09/2002	–	40	261.0	221.0	181.0	24.5	89	34	3.0	6.8
site 14	08/09/2002	–	45	261.0	216.0	181.0	22.5	80	5.3	0.5	6.6
site 14	08/09/2002	–	50	261.0	211.0	181.0	16.5	73	6.0	0.6	6.6
site 14	08/09/2002	–	60	261.0	201.0	181.0	12.5	83	18	1.8	6.5
site 14	08/09/2002	–	70	261.0	191.0	181.0	11.0	87	18	2.1	6.7
site 14	08/09/2002	–	75	261.0	186.0	181.0	11.0	88	16	1.8	7.2
site 14	08/09/2002	–	80	261.0	181.0	181.0	11.0	88	23	2.5	7.3
site 14	09/25/2002	13:20	1	214.0	213.0	181.0	24.0	110	107	9.0	7.6
site 14	09/25/2002	13:20	5	214.0	209.0	181.0	23.8	110	92	7.8	7.4
site 14	09/25/2002	13:20	10	214.0	204.0	181.0	22.4	109	73	6.3	7.0

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 14	09/25/2002	13:20	15	214.0	199.0	181.0	22.3	111	56	4.9	6.9
site 14	09/25/2002	13:20	20	214.0	194.0	181.0	22.1	111	52	4.5	6.9
site 14	09/25/2002	13:20	25	214.0	189.0	181.0	21.9	113	44	3.8	6.9
site 14	09/25/2002	13:20	30	214.0	184.0	181.0	21.6	118	39	3.4	6.9
site 14	09/25/2002	13:20	32	214.0	182.0	181.0	21.7	119	41	3.6	7.2
site 14	11/06/2002	–	1	204.4	203.4	181.0	14.7	123	105	10.6	7.7
site 14	11/06/2002	–	5	204.4	199.4	181.0	14.2	123	94	9.6	7.6
site 14	11/06/2002	–	10	204.4	194.4	181.0	14.0	124	84	8.7	7.5
site 14	11/06/2002	–	15	204.4	189.4	181.0	14.0	124	87	9.0	7.4
site 14	11/06/2002	–	20	204.4	184.4	181.0	13.9	125	88	9.0	7.4
site 14	11/21/2002	–	1	211.3	210.3	181.0	13.8	139	81	8.4	7.2
site 14	11/21/2002	–	5	211.3	206.3	181.0	13.7	139	79	8.1	7.1
site 14	11/21/2002	–	10	211.3	201.3	181.0	12.9	139	72	7.6	7.1
site 14	11/21/2002	–	15	211.3	196.3	181.0	12.9	140	74	7.8	7.2
site 14	12/04/2002	–	1	213.0	212.0	181.0	12.8	142	85	9.0	7.3
site 14	12/04/2002	–	5	213.0	208.0	181.0	12.3	142	84	9.0	7.3
site 14	12/04/2002	–	10	213.0	203.0	181.0	12.1	140	83	8.9	7.3
site 14	12/04/2002	–	15	213.0	198.0	181.0	12.0	141	81	8.7	7.3
site 14	12/23/2002	–	1	262.2	261.2	181.0	9.8	104	87	9.9	7.4
site 14	12/23/2002	–	5	262.2	257.2	181.0	9.3	102	86	9.9	7.4
site 14	12/23/2002	–	10	262.2	252.2	181.0	9.2	101	86	9.9	7.4
site 14	12/23/2002	–	15	262.2	247.2	181.0	9.2	100	86	9.9	7.4
site 14	12/23/2002	–	20	262.2	242.2	181.0	9.2	100	86	9.9	7.4
site 14	12/23/2002	–	25	262.2	237.2	181.0	9.2	100	86	9.9	7.4
site 14	12/23/2002	–	30	262.2	232.2	181.0	9.2	100	86	9.9	7.4
site 14	12/23/2002	–	35	262.2	227.2	181.0	9.1	100	86	10.0	7.4
site 14	12/23/2002	–	40	262.2	222.2	181.0	9.1	100	87	10.0	7.4
site 14	12/23/2002	–	45	262.2	217.2	181.0	9.1	100	88	10.1	7.4
site 14	12/23/2002	–	50	262.2	212.2	181.0	9.0	97	88	10.2	7.4
site 14	12/23/2002	–	55	262.2	207.2	181.0	8.9	96	89	10.4	7.5
site 14	12/23/2002	–	60	262.2	202.2	181.0	8.7	90	91	10.6	7.5
site 14	12/23/2002	–	65	262.2	197.2	181.0	8.7	89	92	10.7	7.5
site 14	12/23/2002	–	70	262.2	192.2	181.0	8.4	86	93	10.8	7.5
site 14	12/23/2002	–	75	262.2	187.2	181.0	8.2	86	93	10.9	7.5
site 15	08/09/2002	–	1	261.0	260.0	195.0	26.5	87	98	7.9	7.4
site 15	08/09/2002	–	10	261.0	251.0	195.0	26.0	88	89	7.3	7.2
site 15	08/09/2002	–	20	261.0	241.0	195.0	25.5	86	81	6.6	7.1
site 15	08/09/2002	–	30	261.0	231.0	195.0	25.5	87	70	5.8	6.9
site 15	08/09/2002	–	35	261.0	226.0	195.0	25.0	90	51	4.4	6.8
site 15	08/09/2002	–	40	261.0	221.0	195.0	24.5	94	21	2.0	6.7
site 15	08/09/2002	–	45	261.0	216.0	195.0	23.0	89	2.0	0.2	6.4

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 15	08/09/2002	–	50	261.0	211.0	195.0	17.5	79	2.5	0.2	6.3
site 15	08/09/2002	–	55	261.0	206.0	195.0	14.0	82	3.4	0.3	6.4
site 15	08/09/2002	–	60	261.0	201.0	195.0	12.5	88	6.7	0.7	6.9
site 15	08/09/2002	–	65	261.0	196.0	195.0	12.5	87	7.4	1.1	7.1
site 15	09/25/2002	12:50	1	214.0	213.0	195.0	23.4	109	91	7.7	7.1
site 15	09/25/2002	12:50	5	214.0	209.0	195.0	23.2	109	80	6.8	6.9
site 15	09/25/2002	12:50	10	214.0	204.0	195.0	22.1	112	51	4.4	6.7
site 15	09/25/2002	12:50	15	214.0	199.0	195.0	21.5	118	42	3.7	6.7
site 15	09/25/2002	12:50	19	214.0	195.0	195.0	21.4	120	44	3.9	7.0
site 15	11/06/2002	–	1	204.4	203.4	195.0	14.4	124	111	11.3	8.2
site 15	11/06/2002	–	5	204.4	199.4	195.0	14.0	124	115	11.8	8.2
site 15	11/21/2002	–	1	211.3	210.3	195.0	13.8	142	89	9.2	7.3
site 15	11/21/2002	–	5	211.3	206.3	195.0	13.1	142	85	9.0	7.3
site 15	11/21/2002	–	10	211.3	201.3	195.0	12.8	142	77	8.2	7.1
site 15	11/21/2002	–	15	211.3	196.3	195.0	12.3	152	87	9.3	7.4
site 15	12/04/2002	–	1	213.0	212.0	195.0	12.2	142	83	8.9	7.3
site 15	12/04/2002	–	5	213.0	208.0	195.0	11.8	143	83	8.9	7.3
site 15	12/04/2002	–	10	213.0	203.0	195.0	11.6	143	85	9.2	7.3
site 15	12/04/2002	–	14	213.0	199.0	195.0	11.0	146	88	9.6	7.4
site 16	08/09/2002	–	1	261.0	260.0	210.0	26.5	96	94	7.5	6.8
site 16	08/09/2002	–	5	261.0	256.0	210.0	26.0	96	91	7.4	6.7
site 16	08/09/2002	–	10	261.0	251.0	210.0	26.0	97	80	6.6	6.6
site 16	08/09/2002	–	15	261.0	246.0	210.0	25.5	94	58	4.8	6.6
site 16	08/09/2002	–	20	261.0	241.0	210.0	25.0	95	52	4.4	6.6
site 16	08/09/2002	–	25	261.0	236.0	210.0	25.0	97	48	4.0	6.6
site 16	08/09/2002	–	30	261.0	231.0	210.0	25.0	103	50	4.0	6.6
site 16	08/09/2002	–	33	261.0	228.0	210.0	25.0	113	34	5.0	6.8
site 16	09/25/2002	12:30	1	214.0	213.0	210.0	22.9	124	73	6.3	6.9
site 16	09/25/2002	12:30	4	214.0	210.0	210.0	22.9	125	73	6.3	6.9
site 17	09/06/2002	–	1	227.8	226.8	–	24.0	102	88	7.4	7.4
site 17	09/06/2002	–	5	227.8	222.8	–	24.0	102	84	7.1	7.3
site 17	09/06/2002	–	10	227.8	217.8	–	23.6	102	75	6.4	7.1
site 17	09/06/2002	–	15	227.8	212.8	–	23.5	102	73	6.2	7.1
site 17	09/06/2002	–	20	227.8	207.8	–	23.4	102	70	5.9	7.1
site 17	09/06/2002	–	25	227.8	202.8	–	23.4	103	68	5.8	7.1
site 17	09/06/2002	–	30	227.8	197.8	–	23.3	103	63	5.4	7.0
site 17	09/06/2002	–	35	227.8	192.8	–	22.9	106	54	4.6	6.9
site 17	09/06/2002	–	36	227.8	191.8	–	22.9	107	55	4.7	6.9
site 17	09/06/2002	–	37	227.8	190.8	–	22.8	112	46	3.9	6.8
site 17	09/06/2002	–	38	227.8	189.8	–	22.2	105	32	2.8	6.8

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 17	09/06/2002	–	39	227.8	188.8	–	22.1	104	22	1.9	6.7
site 17	09/06/2002	–	40	227.8	187.8	–	21.0	101	9.1	0.8	6.6
site 17	09/06/2002	–	41	227.8	186.8	–	20.8	97	7.6	0.7	6.7
site 17	09/06/2002	–	42	227.8	185.8	–	19.7	95	7.4	0.7	6.6
site 17	09/06/2002	–	43	227.8	184.8	–	19.7	97	5.7	0.5	6.5
site 17	09/06/2002	–	44	227.8	183.8	–	18.3	97	5.6	0.5	6.5
site 17	09/06/2002	–	45	227.8	182.8	–	16.8	96	6.3	0.6	6.0
site 18	11/06/2002	–	1	204.4	203.4	–	13.9	122	76	7.9	7.3
site 18	11/06/2002	–	5	204.4	199.4	–	13.7	122	75	7.7	7.3
site 18	11/06/2002	–	10	204.4	194.4	–	13.5	122	75	7.8	7.3
site 18	11/06/2002	–	14	204.4	190.4	–	13.4	122	75	7.9	7.5
site 18	11/21/2002	–	1	211.3	210.3	–	13.9	136	82	8.4	7.3
site 18	11/21/2002	–	5	211.3	206.3	–	13.6	135	81	8.4	7.1
site 18	11/21/2002	–	10	211.3	201.3	–	12.8	135	73	7.8	7.1
site 18	11/21/2002	–	15	211.3	196.3	–	12.8	135	73	7.8	7.2
site 18	11/21/2002	–	20	211.3	191.3	–	12.7	135	73	7.7	7.3
site 18	12/04/2002	–	1	213.0	212.0	–	12.5	144	76	8.1	7.2
site 18	12/04/2002	–	5	213.0	208.0	–	12.4	144	76	8.1	7.2
site 18	12/04/2002	–	10	213.0	203.0	–	11.6	143	72	7.9	7.2
site 18	12/04/2002	–	15	213.0	198.0	–	11.5	141	72	7.9	7.2
site 18	12/04/2002	–	20	213.0	193.0	–	11.4	143	72	7.9	7.2
site 18	12/23/2002	–	1	262.2	261.2	–	9.4	94	89	10.2	7.4
site 18	12/23/2002	–	5	262.2	257.2	–	8.8	93	89	10.4	7.5
site 18	12/23/2002	–	10	262.2	252.2	–	8.5	89	90	10.5	7.5
site 18	12/23/2002	–	15	262.2	247.2	–	8.0	84	94	11.1	7.5
site 18	12/23/2002	–	20	262.2	242.2	–	8.0	84	94	11.1	7.6
site 18	12/23/2002	–	25	262.2	237.2	–	7.9	84	94	11.2	7.6
site 18	12/23/2002	–	30	262.2	232.2	–	7.9	84	95	11.3	7.6
site 18	12/23/2002	–	35	262.2	227.2	–	7.7	82	96	11.4	7.6
site 18	12/23/2002	–	40	262.2	222.2	–	7.7	82	97	11.5	7.6
site 18	12/23/2002	–	45	262.2	217.2	–	7.7	83	96	11.5	7.6
site 18	12/23/2002	–	50	262.2	212.2	–	7.6	82	97	11.5	7.6
site 18	12/23/2002	–	55	262.2	207.2	–	7.6	82	97	11.6	7.6
site 19	09/25/2002	15:00	1	214.0	213.0	–	24.3	108	109	9.1	7.9
site 19	09/25/2002	15:00	5	214.0	209.0	–	24.1	107	106	8.9	7.8
site 19	09/25/2002	15:00	10	214.0	204.0	–	23.6	107	102	8.6	7.6
site 19	09/25/2002	15:00	11	214.0	203.0	–	23.4	107	99	8.4	7.6
site 19	10/10/2003	13:00	1	237.0	236.0	233	21.9	98	86	7.6	7.6
site 19	10/10/2003	13:00	5	237.0	236.0	233	21.9	99	86	7.6	7.5

Table C1. Field measurements for water-column profiles, Camp Far West Reservoir, California.—*Continued*

[Station locations shown in figure 5 and described in table B1. NGVD 29, National Geodetic Vertical Datum of 1929; –, not determined; E, estimated]

Station	Date	Approximate time	Depth, in feet below reservoir surface	Elevation of reservoir surface, in feet above NGVD 29	Elevation of observation, in feet above NGVD 29	Elevation of reservoir bottom, in feet above NGVD 29	Water temperature, in degrees Celsius	Specific conductance, in microsiemens per centimeter	Dissolved oxygen, in percent of saturation	Dissolved oxygen, in milligrams per liter	pH
site 19	10/10/2003	13:00	10	237.0	236.0	233	21.9	98	87	7.6	7.5
site 19	10/10/2003	13:00	15	237.0	236.0	233	21.8	98	88	7.7	7.5
site 19	10/10/2003	13:00	22	237.0	236.0	233	21.7	98	77	7.7	7.5
site 20	03/07/2003	–	1	300.1	299.1	–	12.8	85	95	10.0	7.9
site 20	03/07/2003	–	5	300.1	295.1	–	12.7	85	95	10.1	7.9
site 20	03/07/2003	–	10	300.1	290.1	–	12.4	84	95	10.2	8.0
site 20	03/07/2003	–	15	300.1	285.1	–	12.3	84	95	10.2	7.9
site 20	03/07/2003	–	20	300.1	280.1	–	11.2	83	93	10.2	7.8
site 20	03/07/2003	–	25	300.1	275.1	–	11.0	83	89	9.8	7.5
site 20	03/07/2003	–	30	300.1	270.1	–	10.8	84	85	9.4	7.4
site 20	03/07/2003	–	35	300.1	265.1	–	10.6	88	82	9.1	7.4
site 20	03/07/2003	–	40	300.1	260.1	–	10.3	87	80	8.9	7.3
site 20	03/07/2003	–	45	300.1	255.1	–	9.8	86	80	9.0	7.3
site 20	03/07/2003	–	50	300.1	250.1	–	9.5	81	82	9.4	7.2
site 20	03/07/2003	–	55	300.1	245.1	–	9.4	80	90	9.9	7.3

Table C2. Summary of dates and locations of water-column profiles, Camp Far West Reservoir, California.

[1 or 2 indicate number of times data was collected for water-column profile at indicated station during indicated week]

Location	week of:	2001		2002												2003						totals
		1-Nov	28-Nov	2-Jan	12-Feb	22-Apr	18-Jun	6-Aug	6-Sep	25-Sep	18-Oct	4-Nov	21-Nov	4-Dec	23-Dec	17-Jan	28-Jan	7-Mar	16-Apr	7-Jul	10-Oct	
site 01			1					1				1										3
site 02		1	1	1	1	1	1	1	1	1		2	1	1	1	1	1	1	1	1	1	20
site 03								1											1			2
site 04			1	1	1	1	1	2	1	1	1	1	1	1	1		1	1	1			17
site 05			1			1	1	1		1					1	1	1	1	1	1	1	12
site 06						1		1		1							1	1	1		1	7
site 07								1											1			2
site 08																	1		1			2
site 10			1					1			1								2	1		6
site 11			1					1	1		1	1			1	1						7
site 12									1	1		1										3
site 13										1						1				1	1	4
site 14				1	1	1	1	1		1		1	1	1	1							10
site 15								1		1		1	1	1								5
site 16								1		1												2
site 17									1													1
site 18												1	1	1	1							4
site 19										1											1	2
site 20																		1				1
																					total	110

Appendix D. Plots Showing Water-Column Depth Profiles of Temperature, Dissolved Oxygen, pH, and Specific Conductance, Camp Far West Reservoir, California, 2001–03.

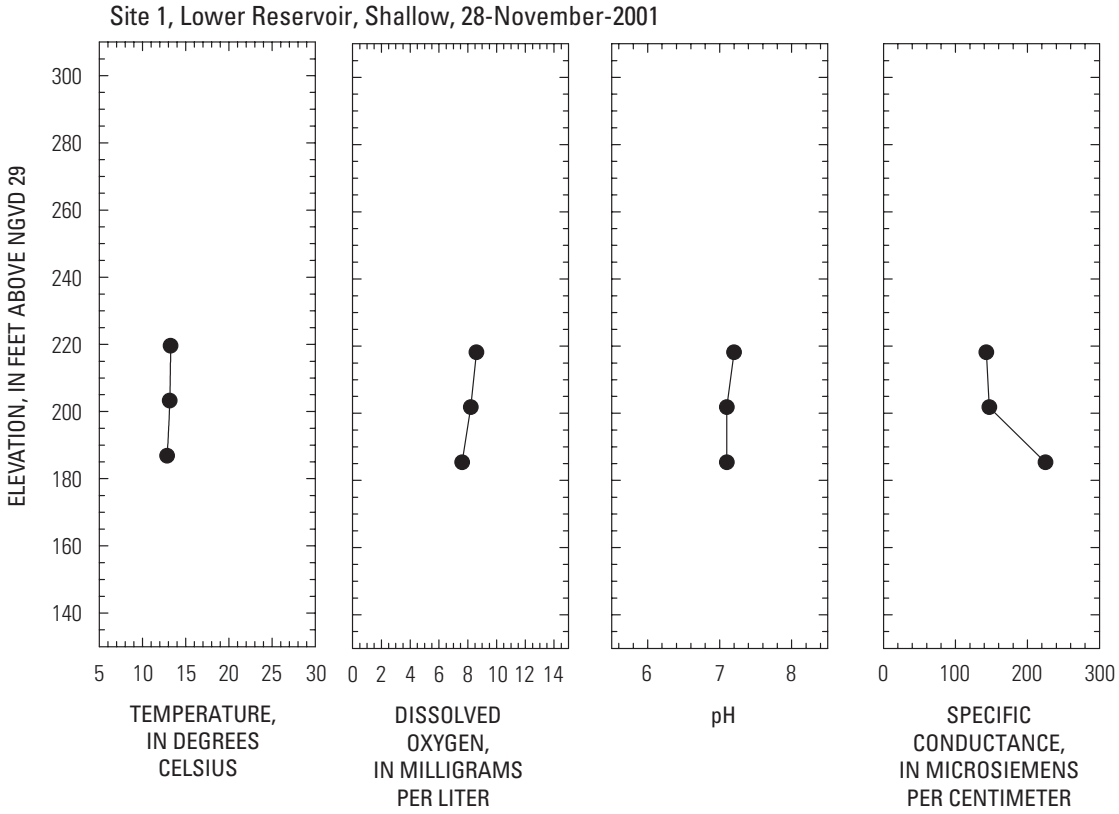

Figure D1. November 28, 2001, Site 1, Lower Reservoir, Shallow.

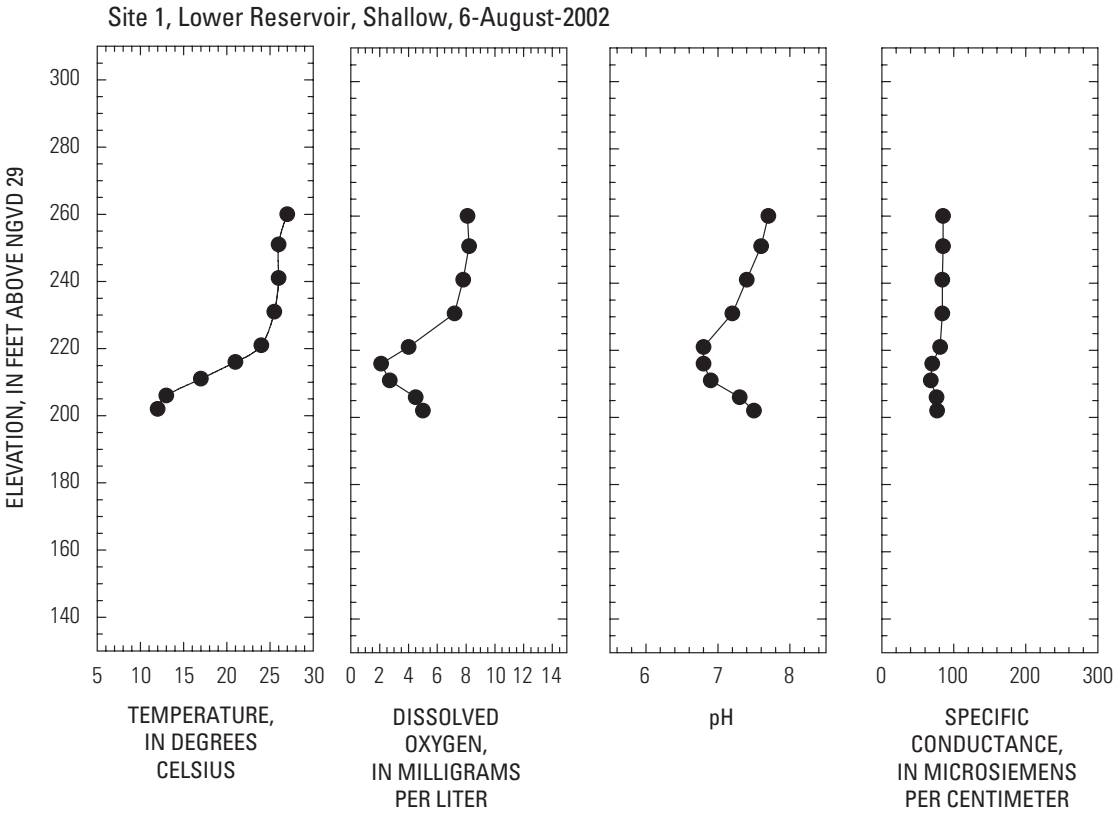

Figure D2. August 6, 2002, Site 1, Lower Reservoir, Shallow.

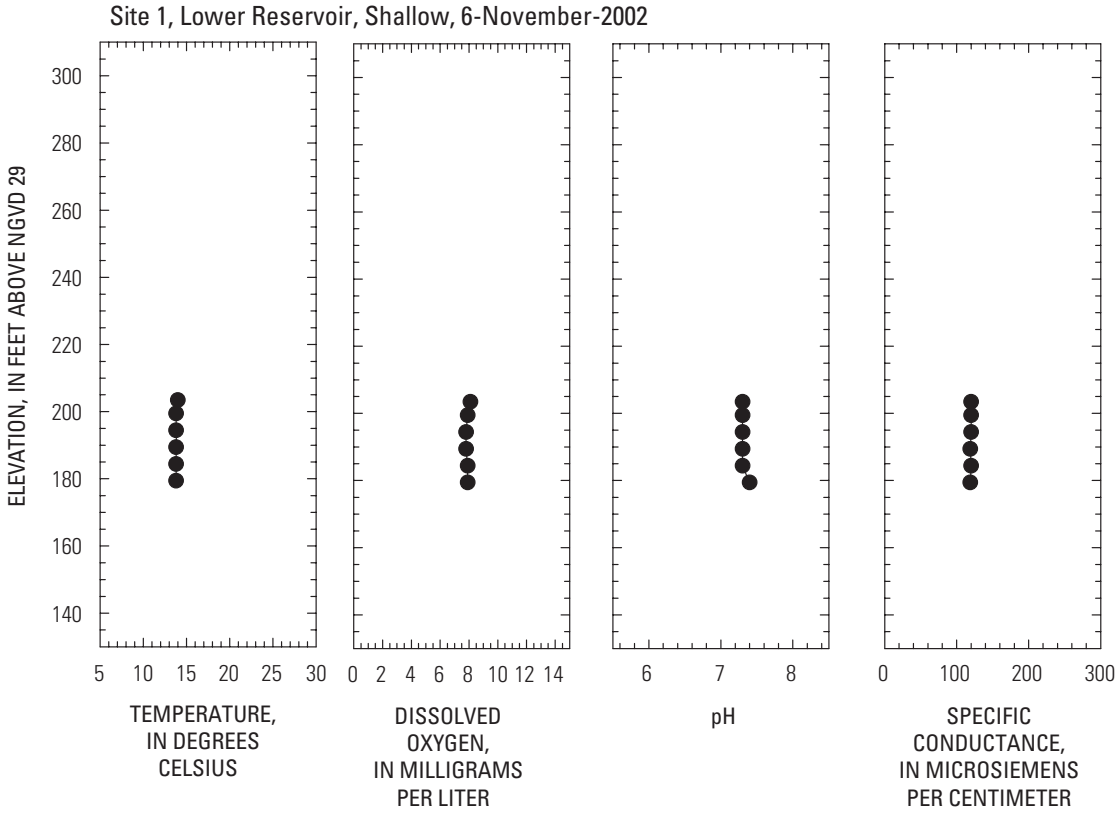

Figure D3. November 6, 2002, Site 1, Lower Reservoir, Shallow.

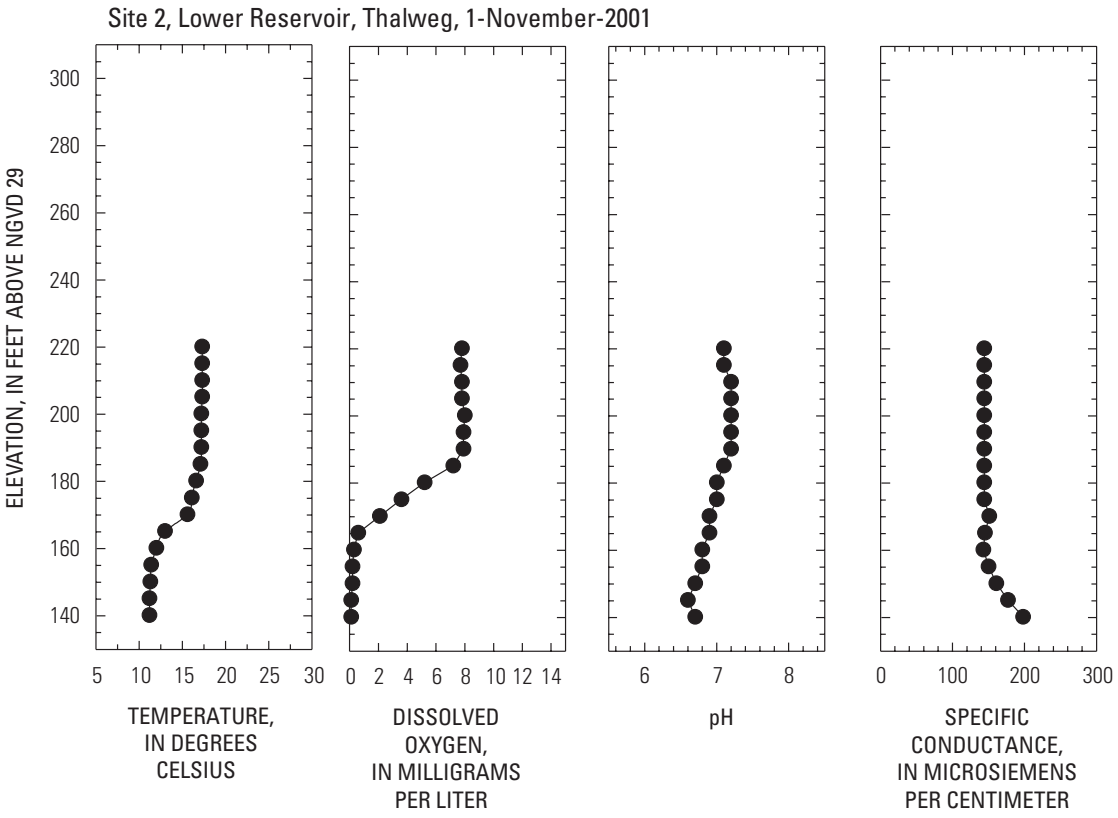

Figure D4. November 1, 2001, Site 2, Lower Reservoir, Thalweg.

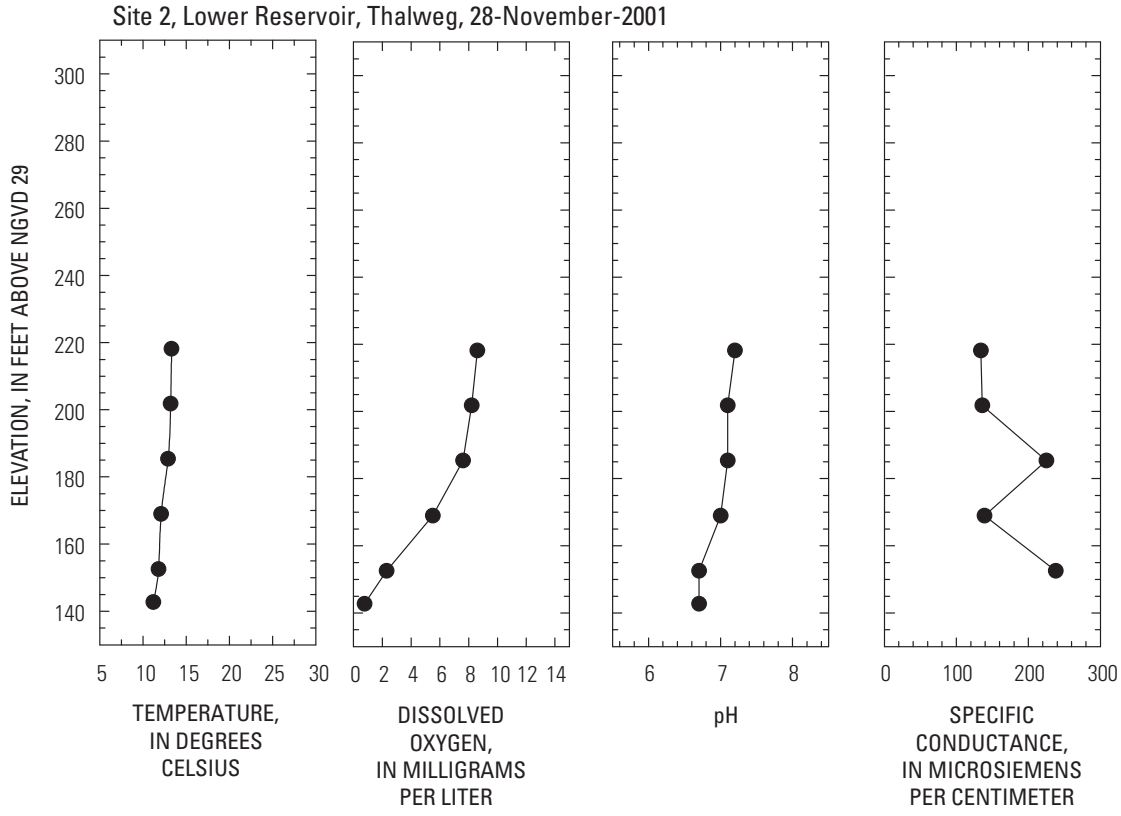

Figure D5. November 28, 2001, Site 2, Lower Reservoir, Thalweg.

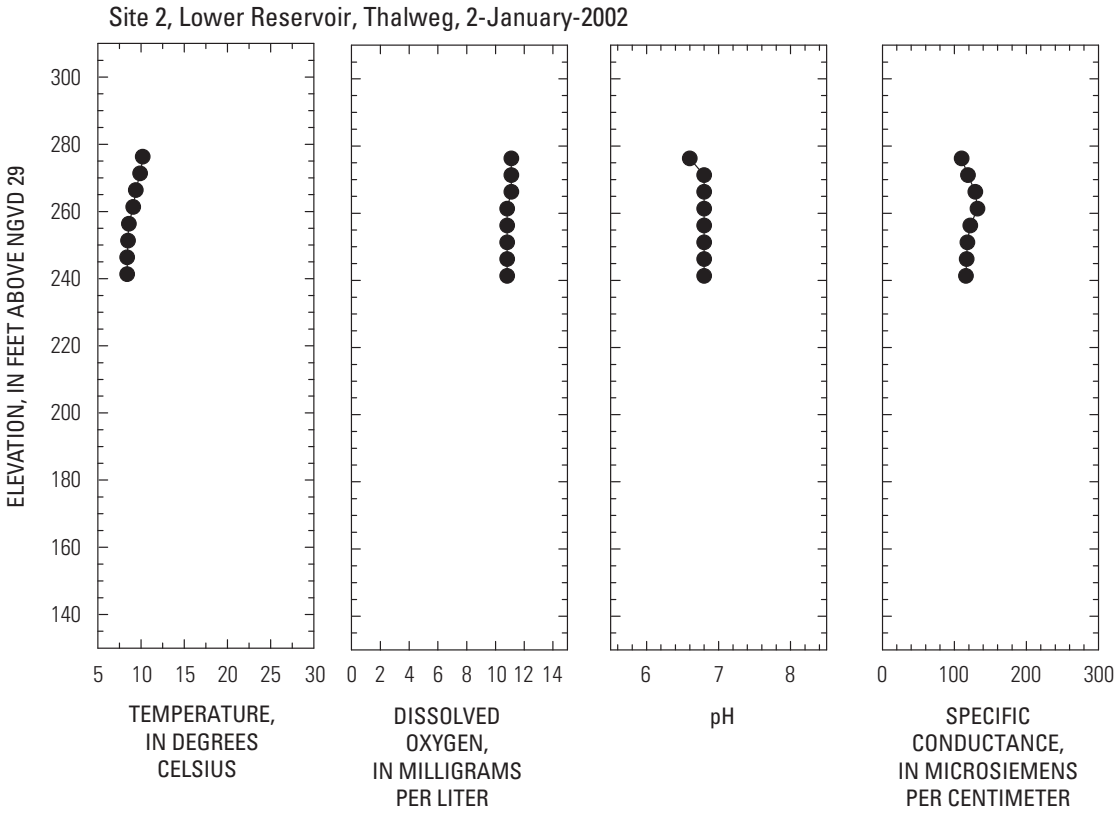

Figure D6. January 2, 2002, Site 2, Lower Reservoir, Thalweg.

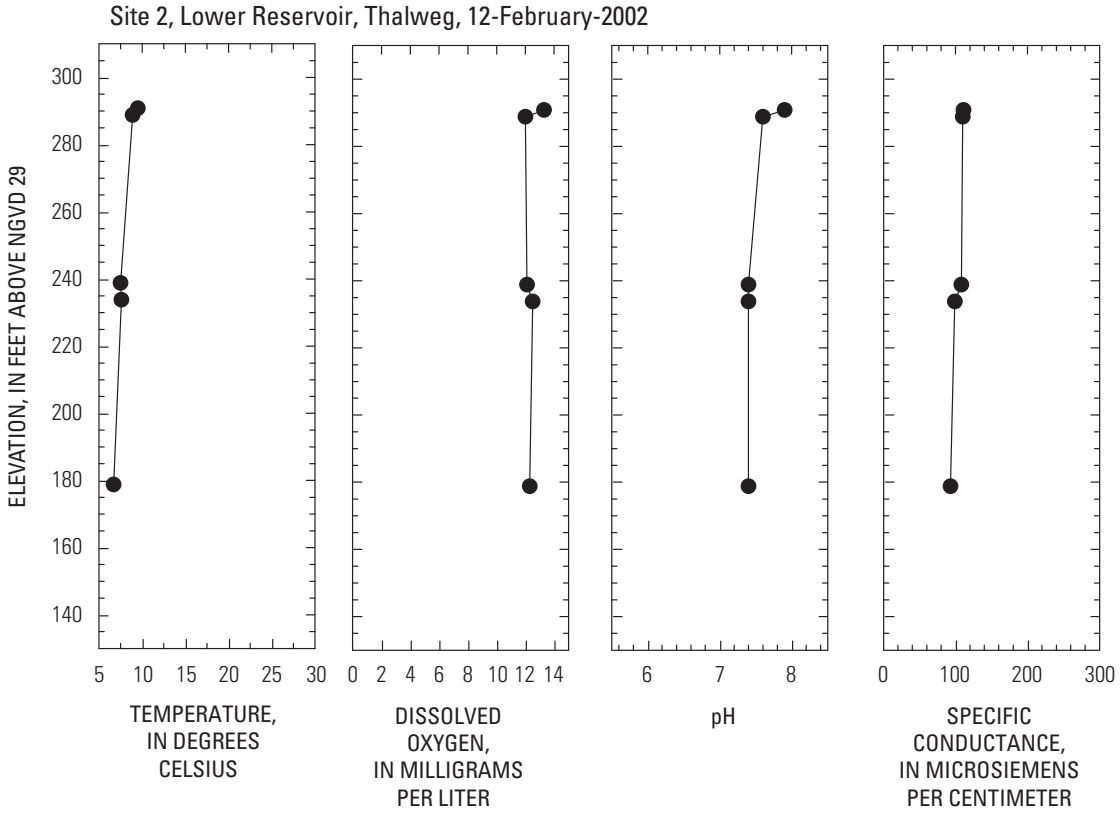

Figure D7. February 12, 2002, Site 2, Lower Reservoir, Thalweg.

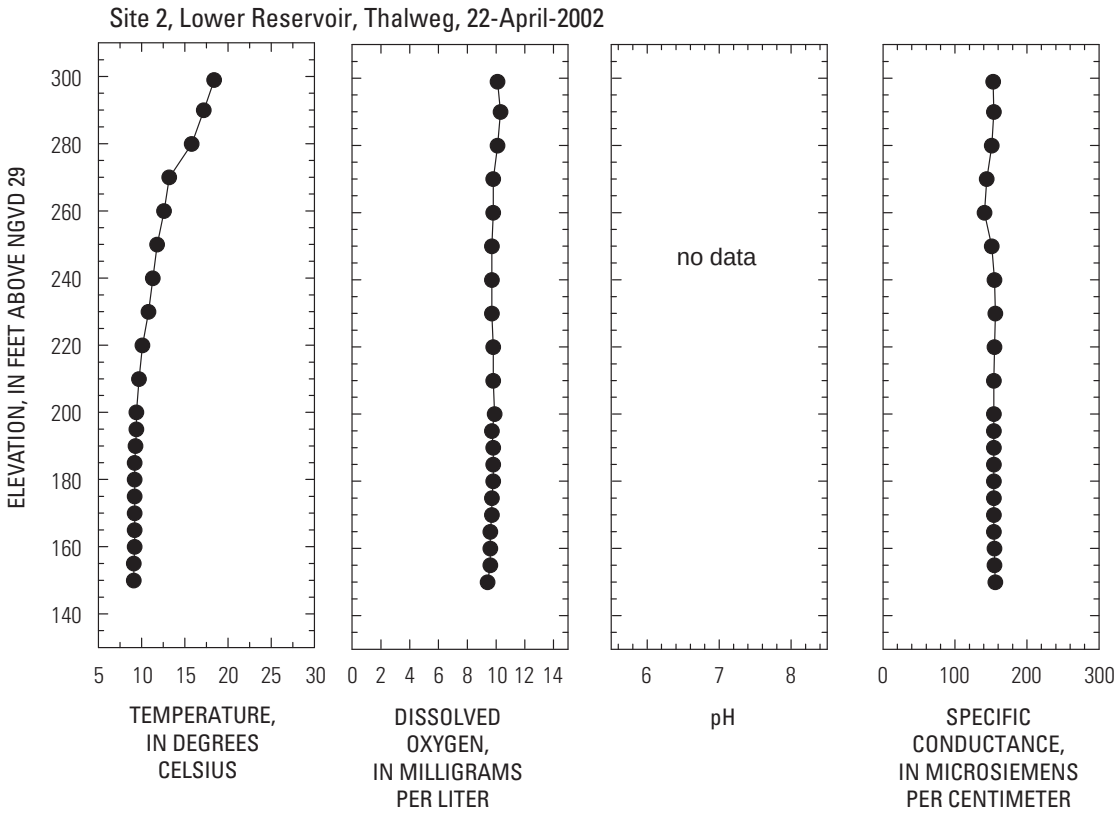

Figure D8. April 22, 2002, Site 2, Lower Reservoir, Thalweg.

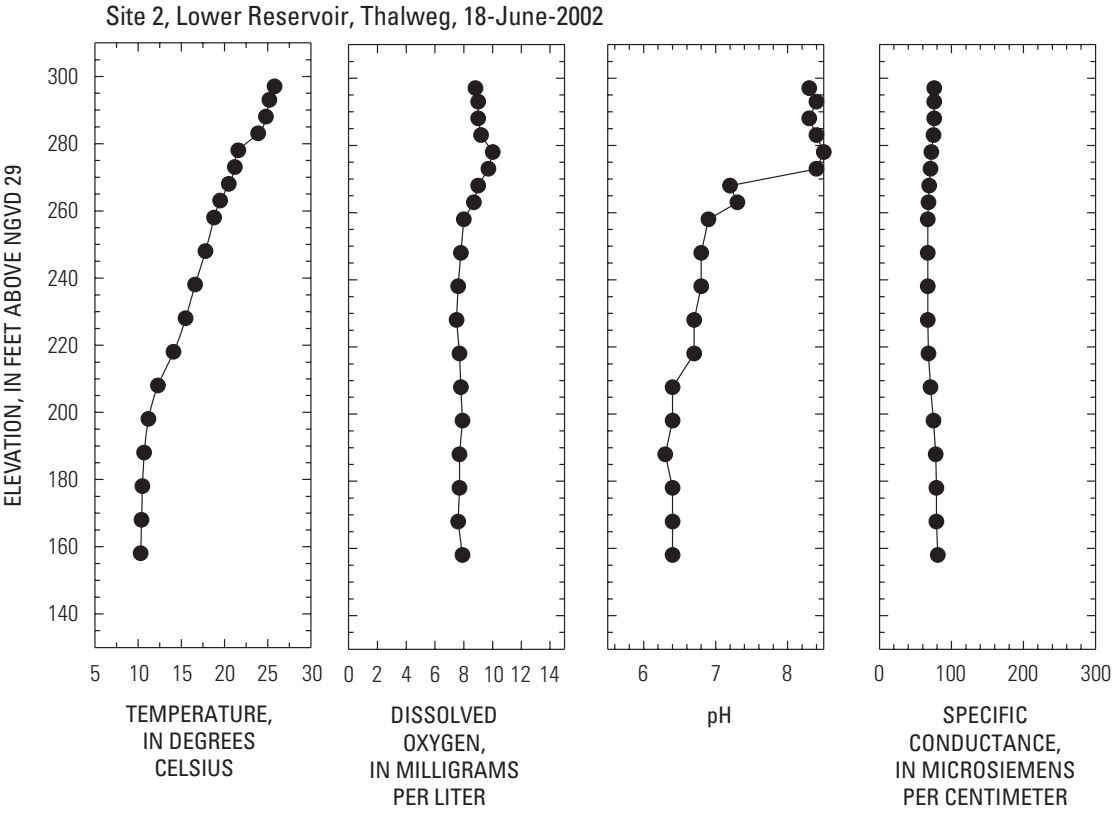

Figure D9. June 18, 2002, Site 2, Lower Reservoir, Thalweg.

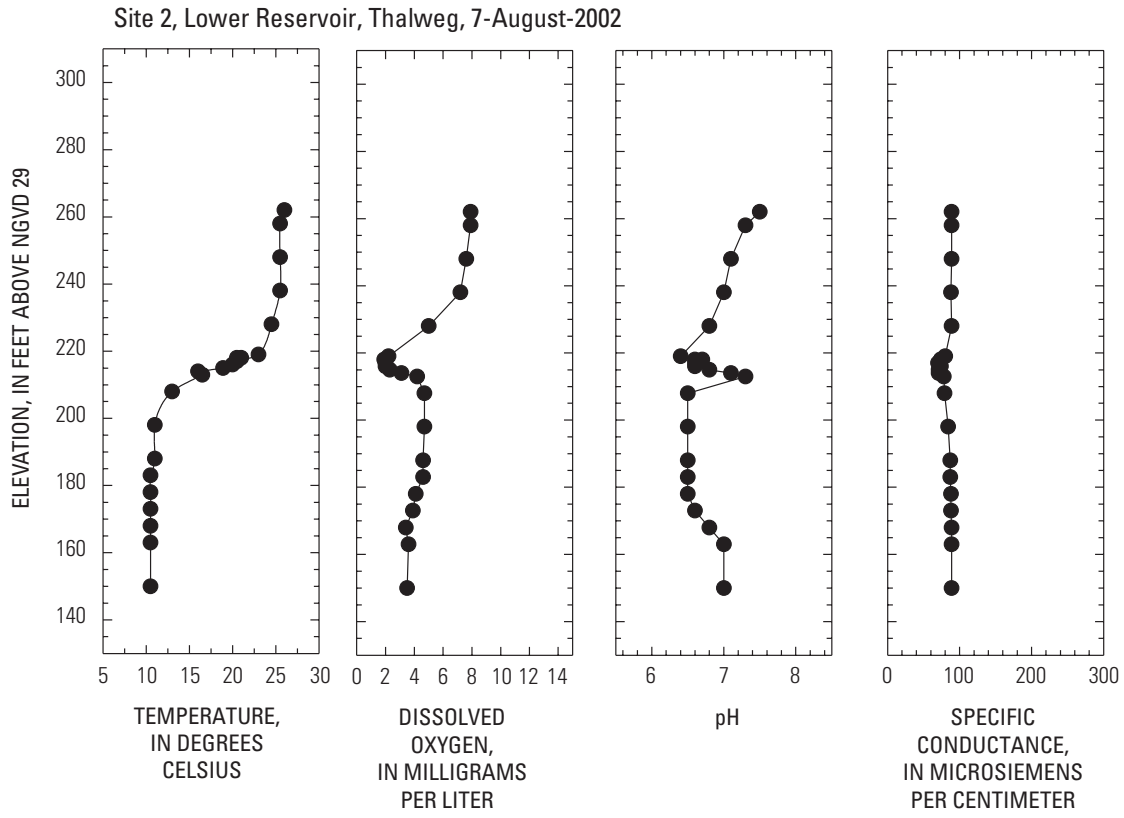

Figure D10. August 7, 2002, Site 2, Lower Reservoir, Thalweg.

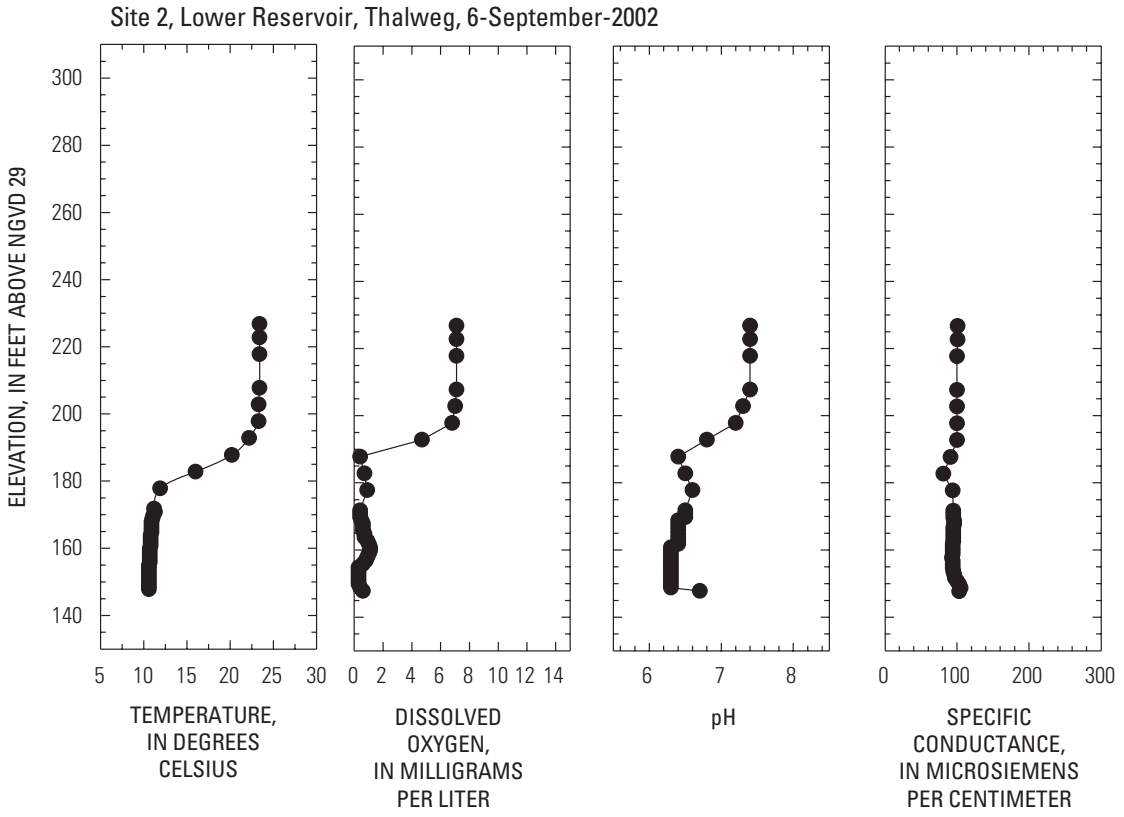

Figure D11. September 6, 2002, Site 2, Lower Reservoir, Thalweg.

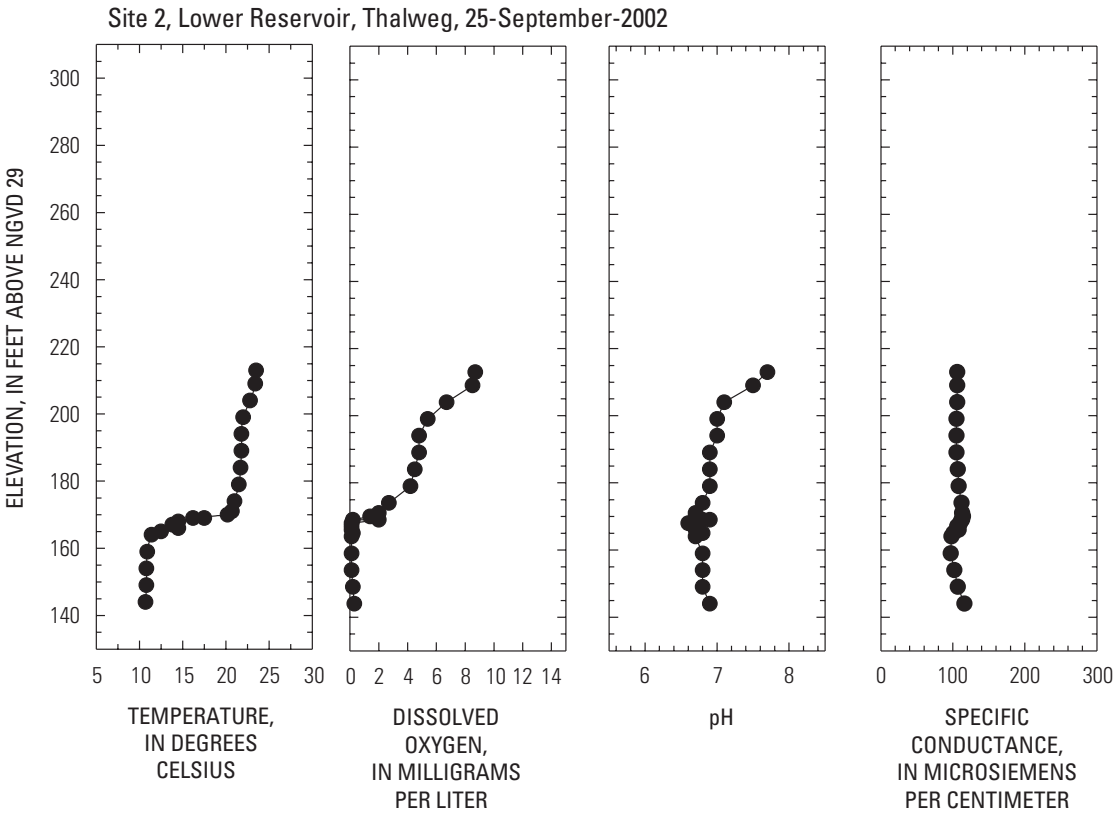

Figure D12. September 25, 2002, Site 2, Lower Reservoir, Thalweg.

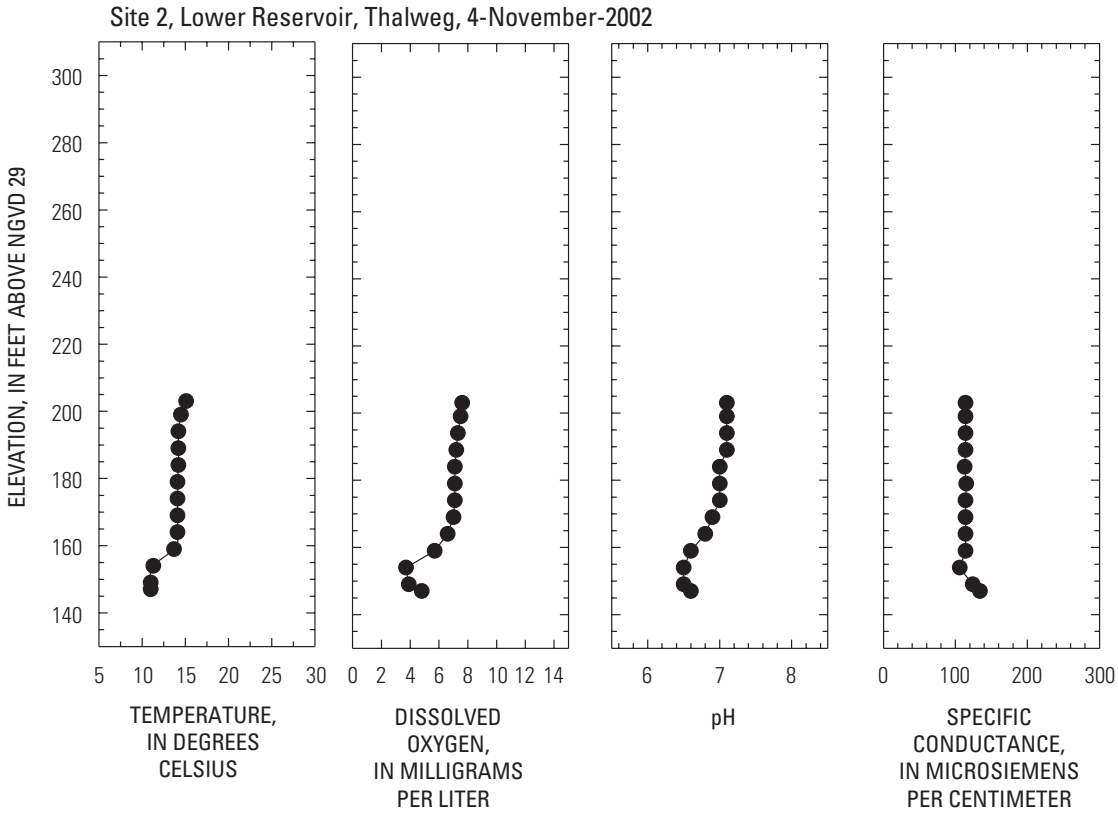

Figure D13. November 4, 2002, Site 2, Lower Reservoir, Thalweg.

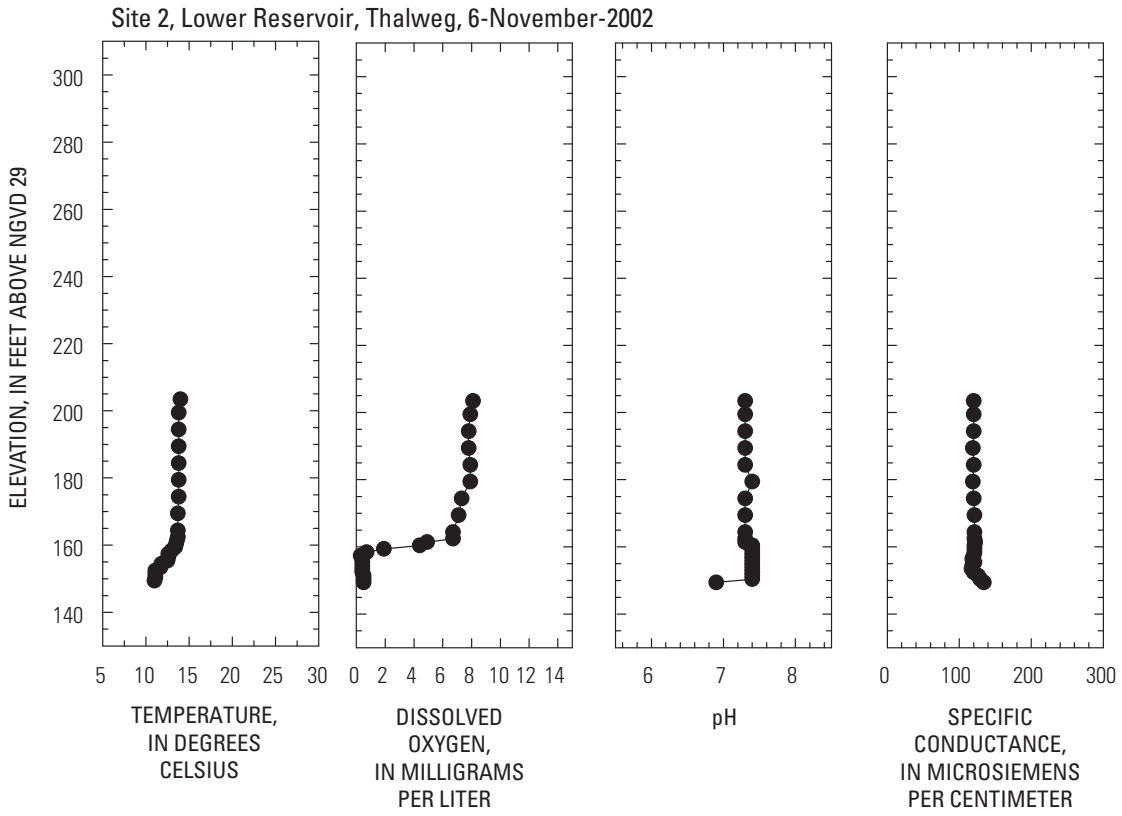

Figure D14. November 6, 2002, Site 2, Lower Reservoir, Thalweg.

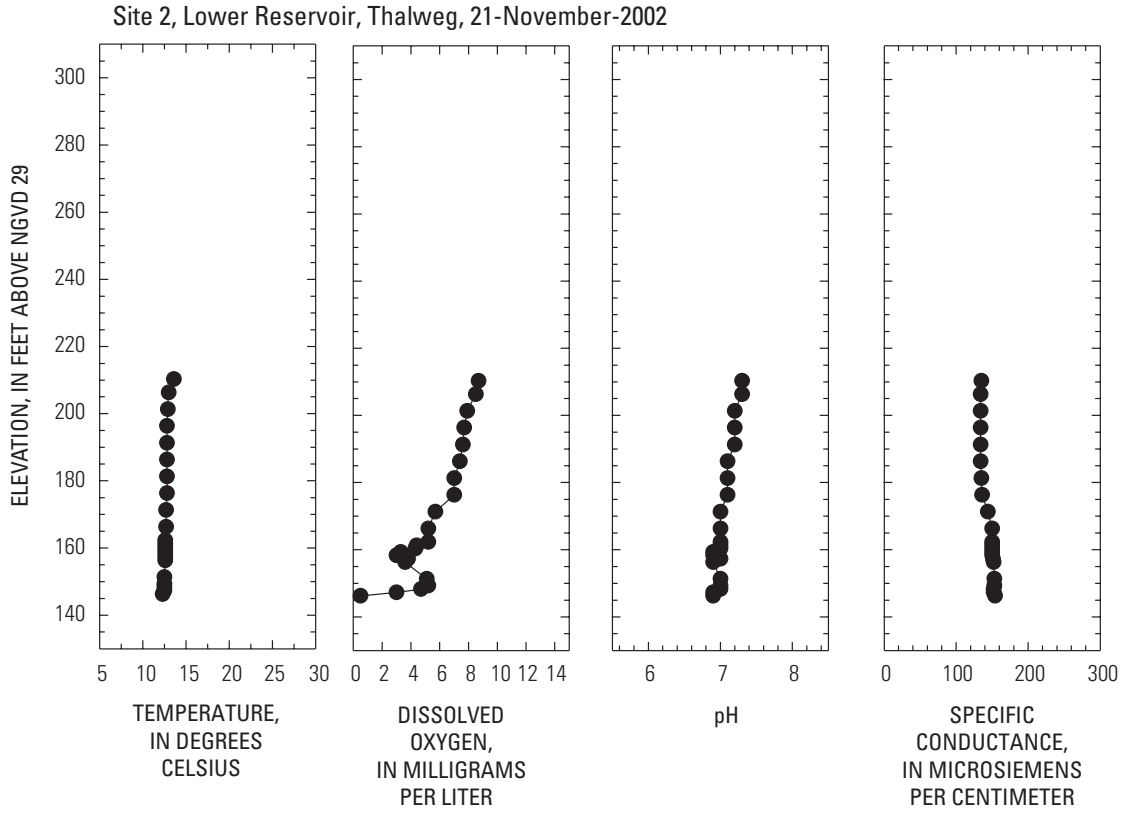

Figure D15. November 21, 2002, Site 2, Lower Reservoir, Thalweg.

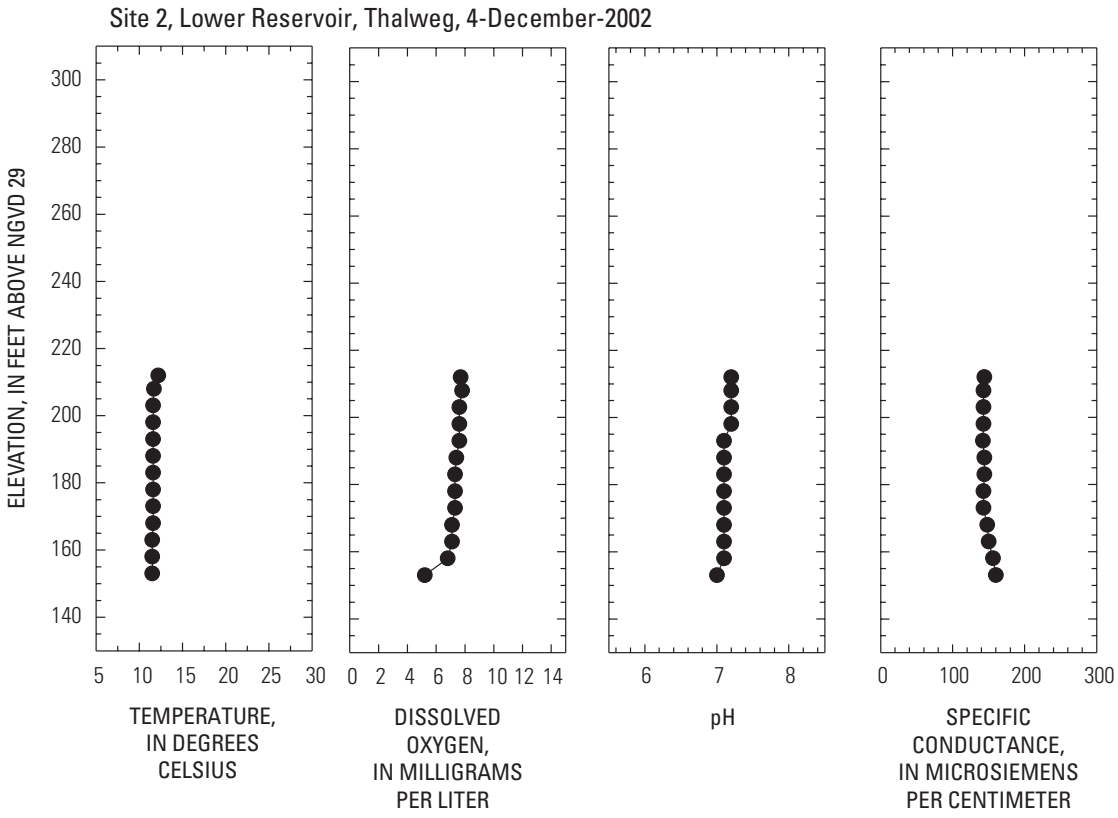

Figure D16. December 4, 2002, Site 2, Lower Reservoir, Thalweg.

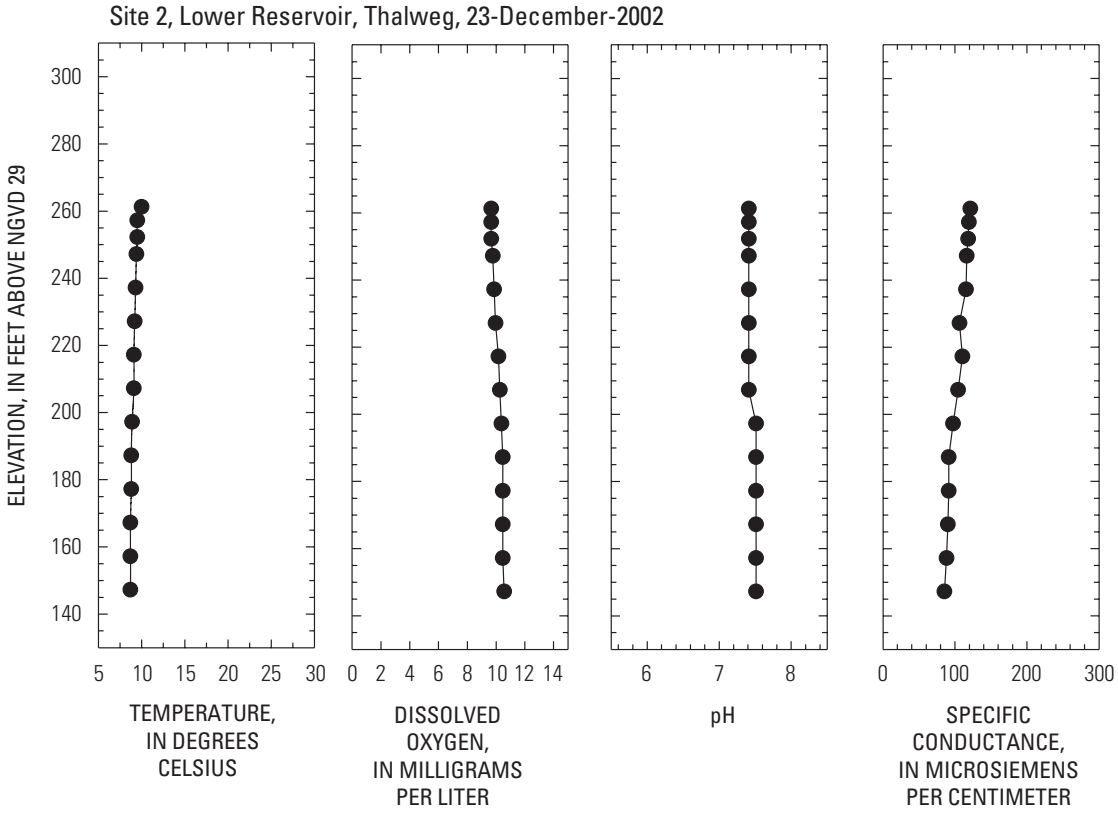

Figure D17. December 23, 2002, Site 2, Lower Reservoir, Thalweg.

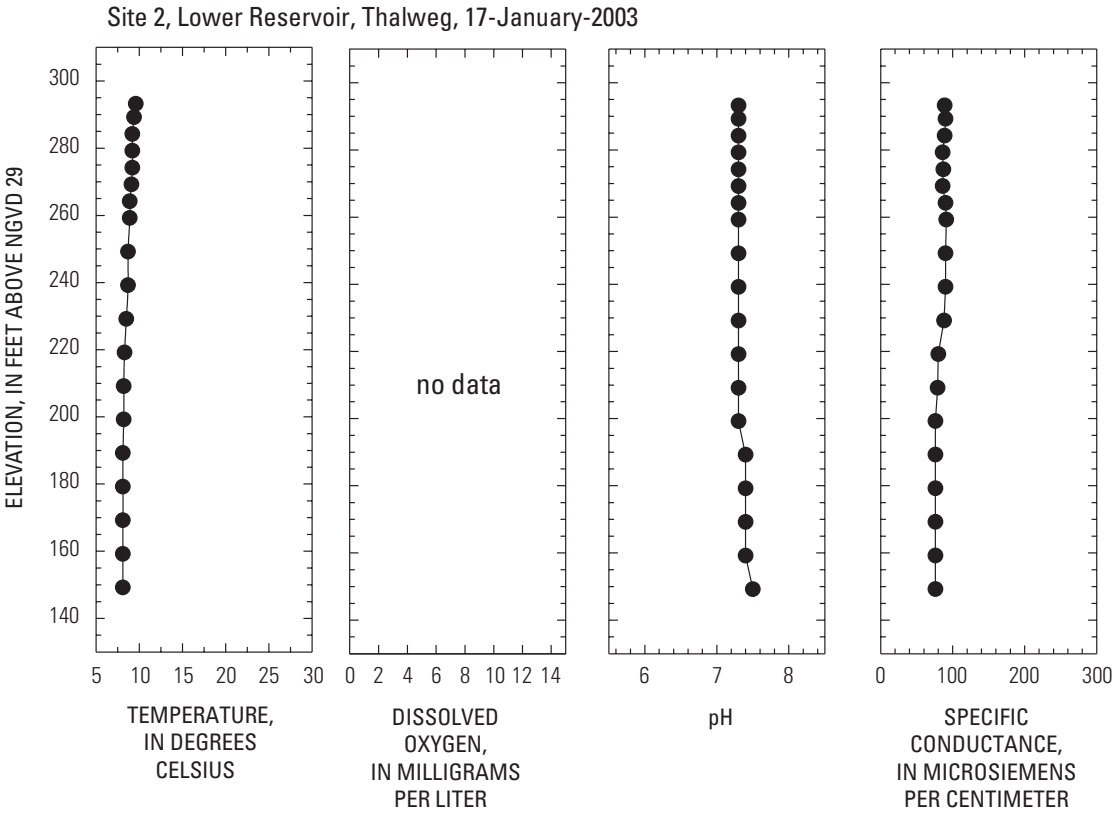

Figure D18. January 17, 2003, Site 2, Lower Reservoir, Thalweg.

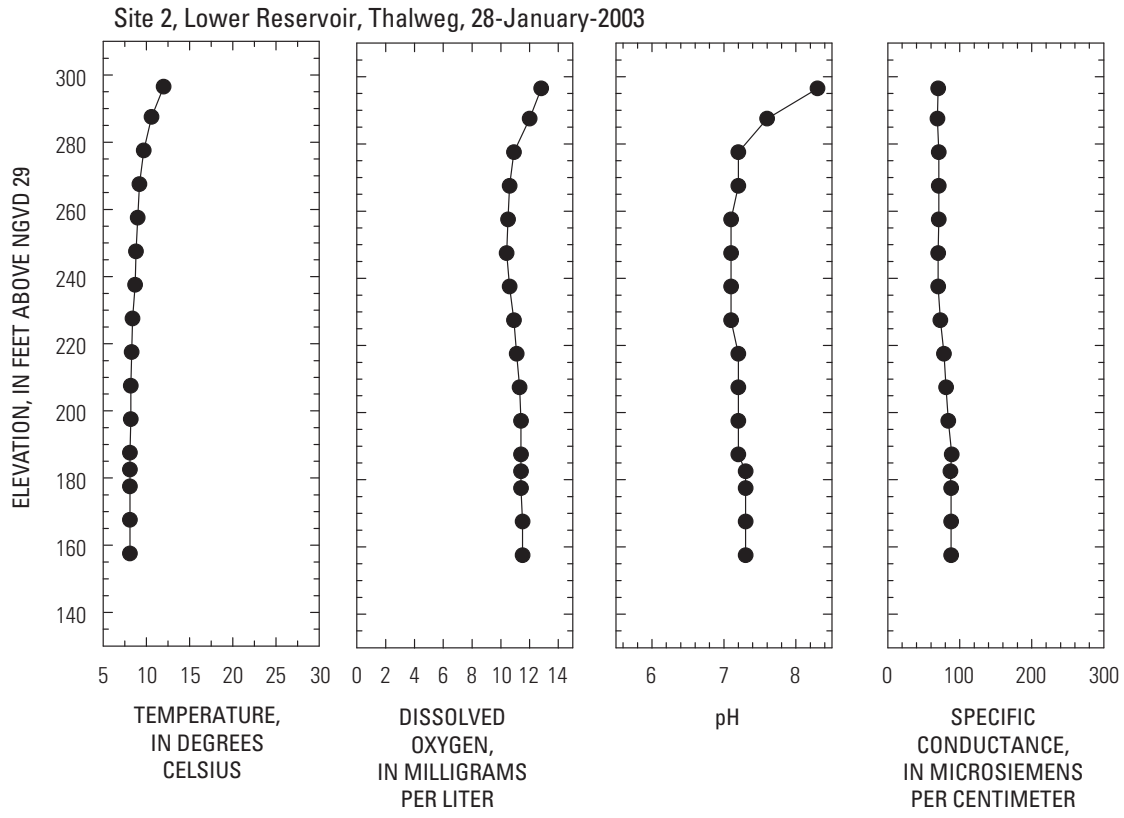

Figure D19. January 28, 2003, Site 2, Lower Reservoir, Thalweg.

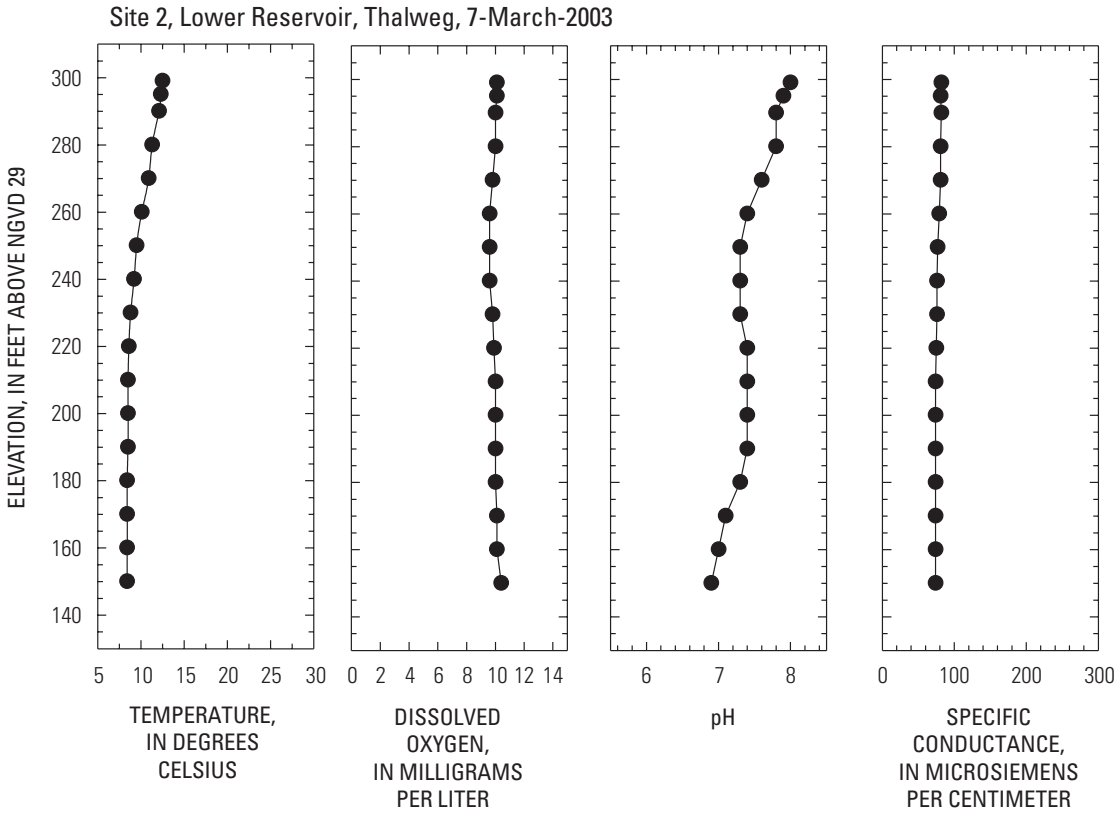

Figure D20. March 7, 2003, Site 2, Lower Reservoir, Thalweg.

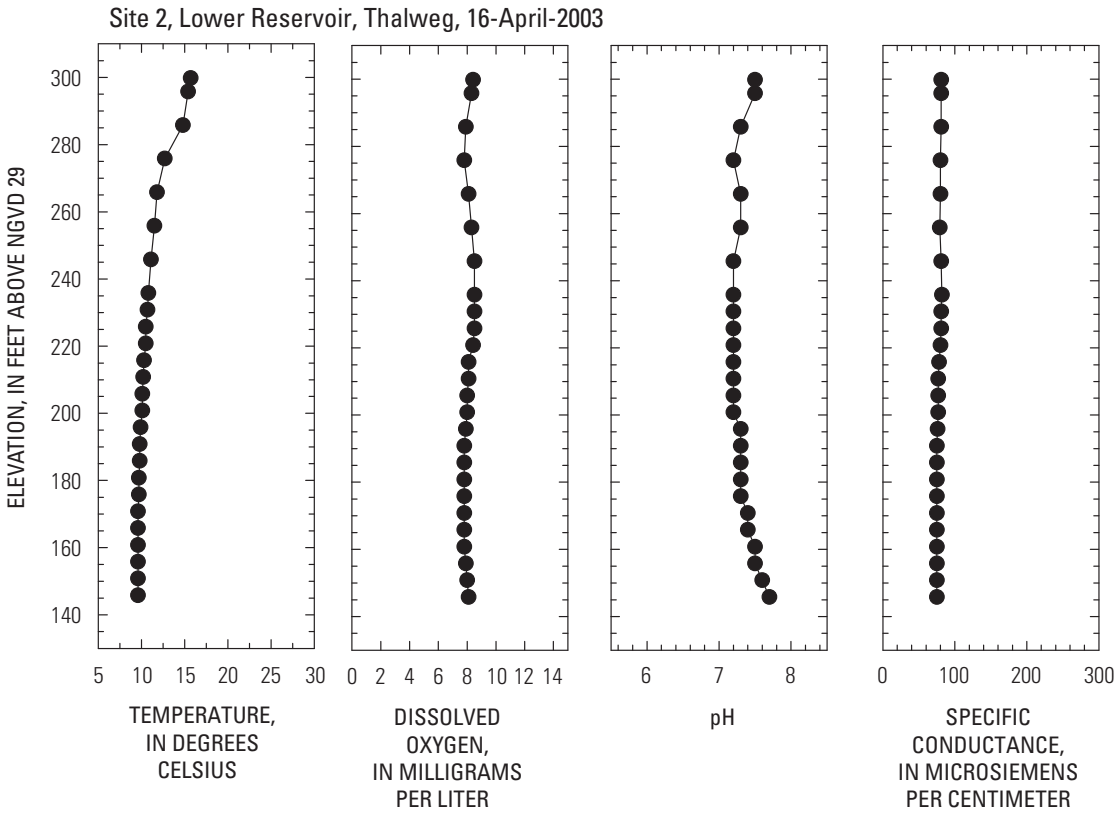

Figure D21. April 16, 2003, Site 2, Lower Reservoir, Thalweg.

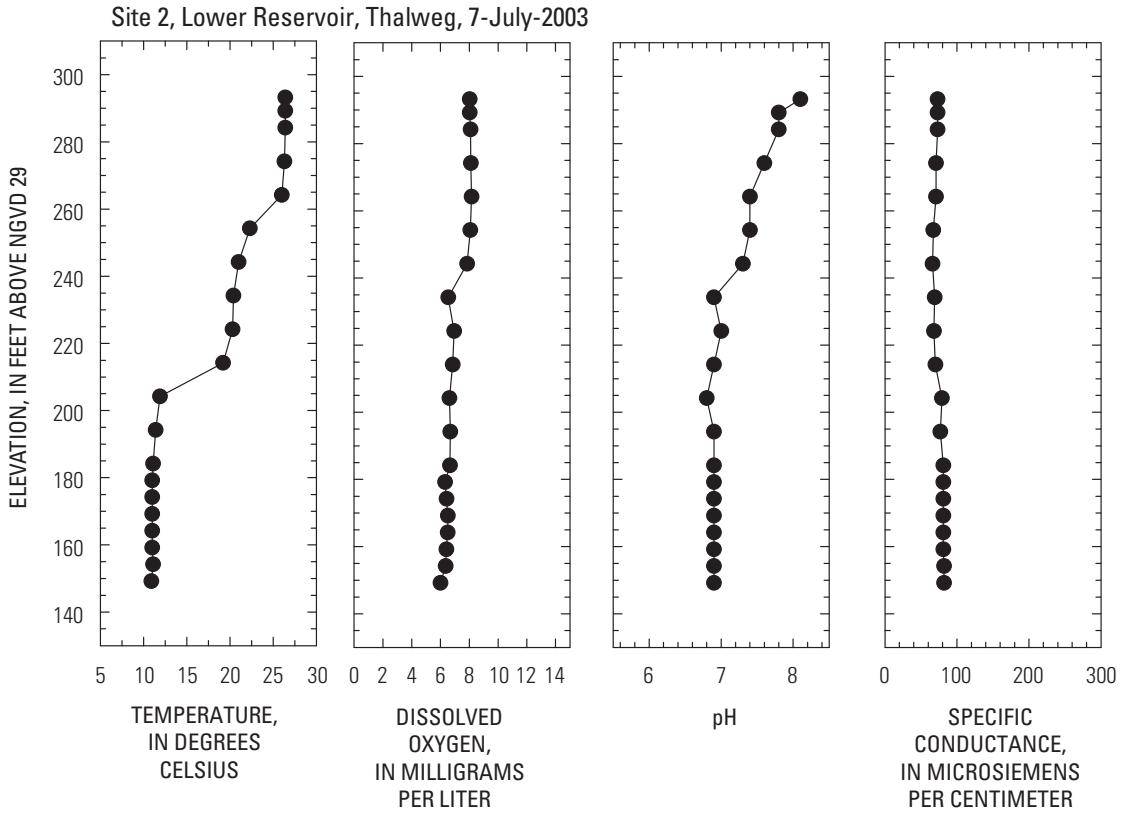

Figure D22. July 7, 2003, Site 2, Lower Reservoir, Thalweg.

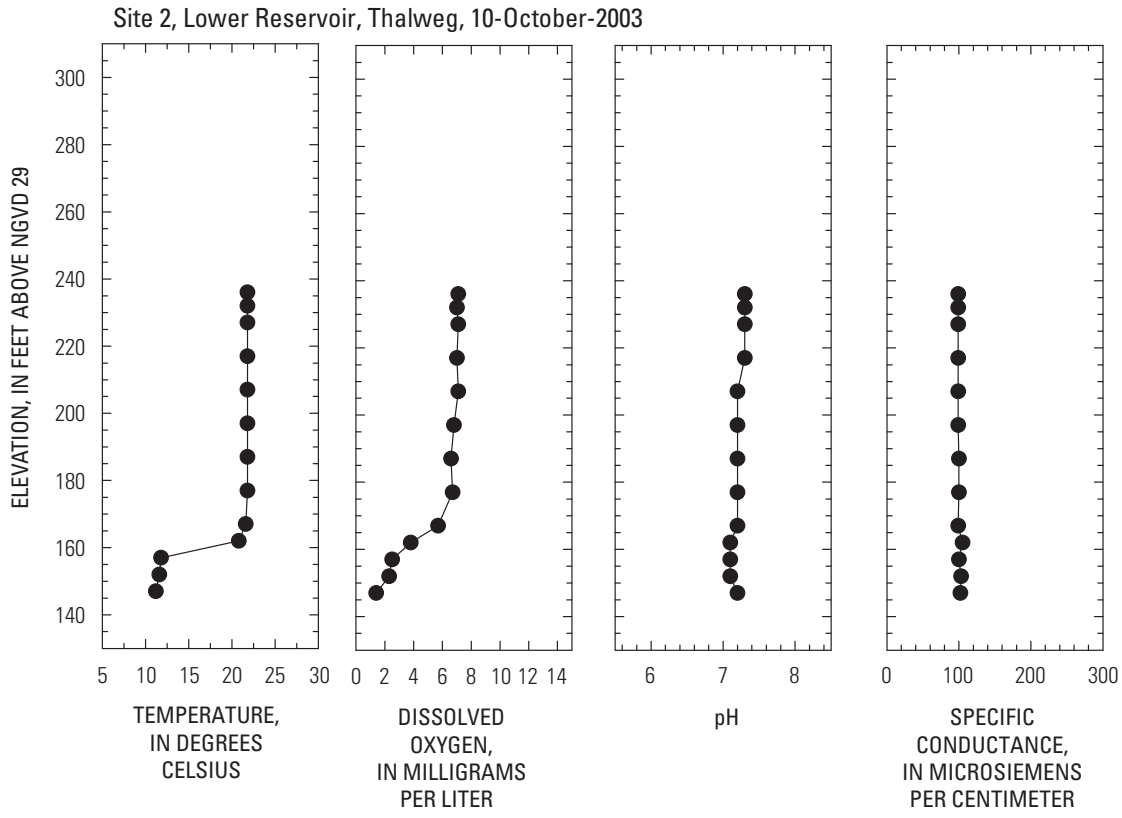

Figure D23 October 10, 2003, Site 2, Lower Reservoir, Thalweg.

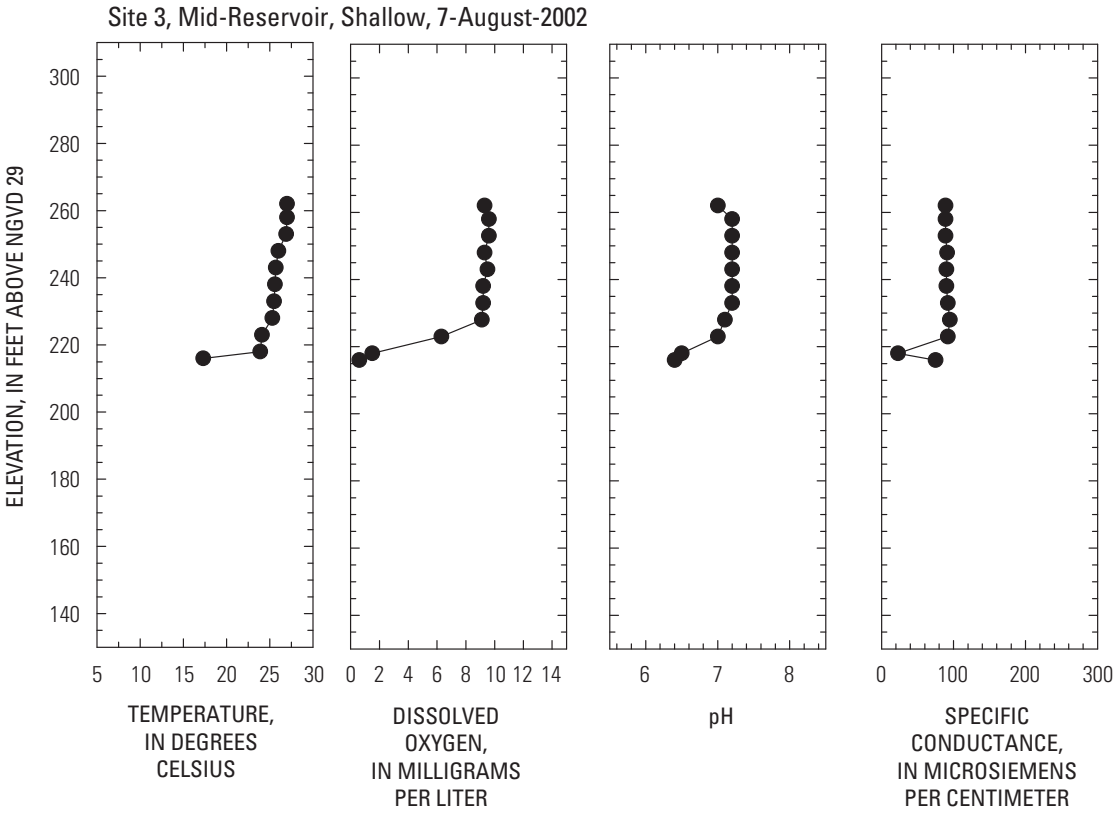

Figure D24. August 7, 2002, Site 3, Mid-Reservoir, Shallow.

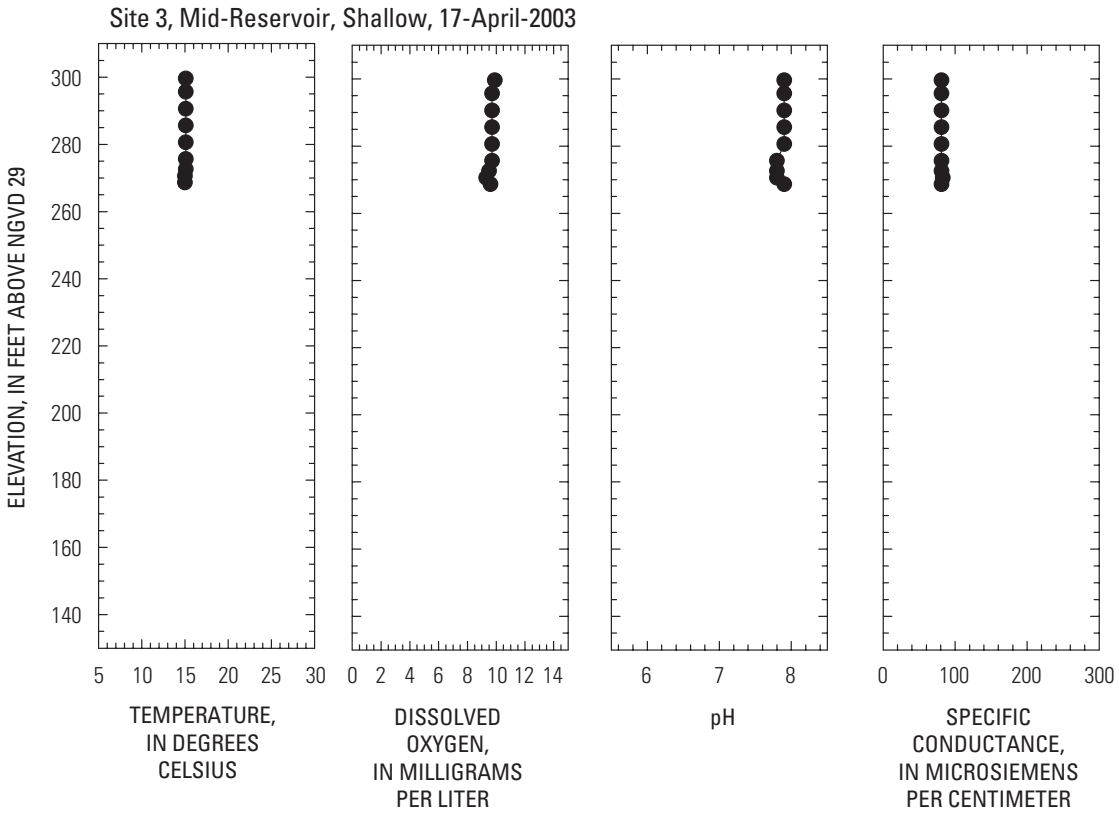

Figure D25 April 17, 2003, Site 3, Mid-Reservoir, Thalweg.

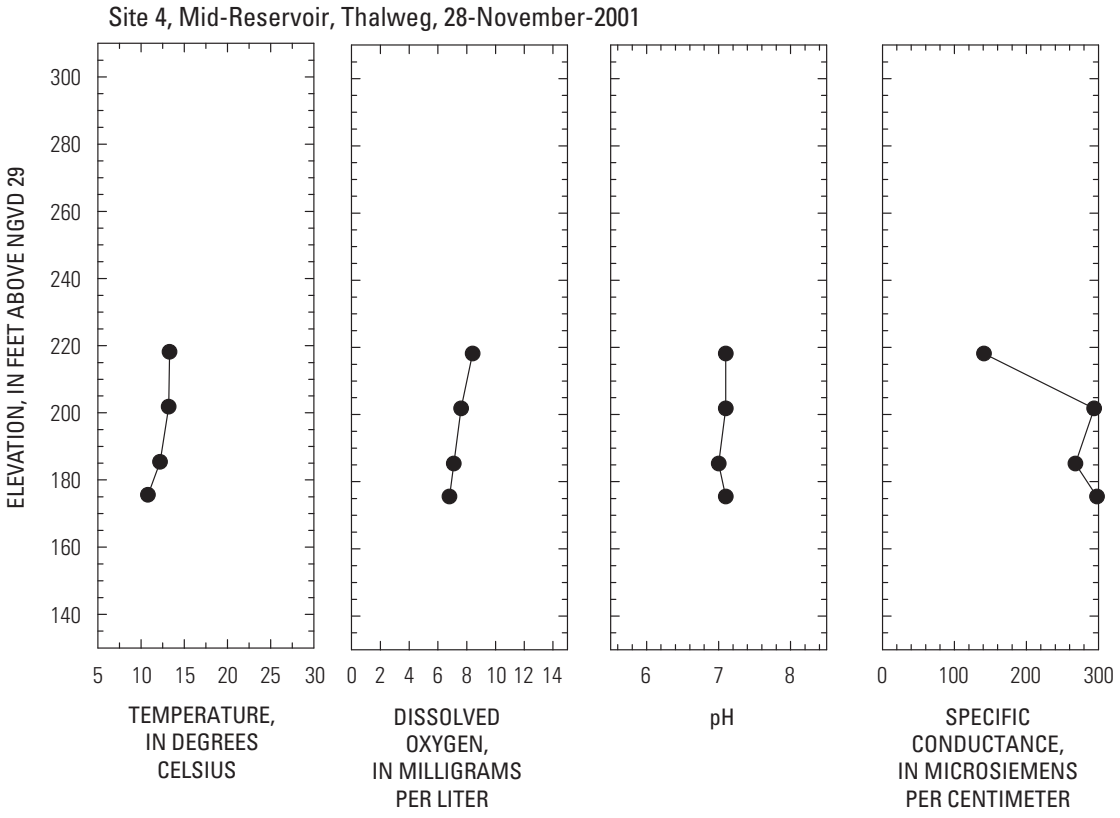

Figure D26. November 28, 2001, Site 4, Mid-Reservoir, Thalweg.

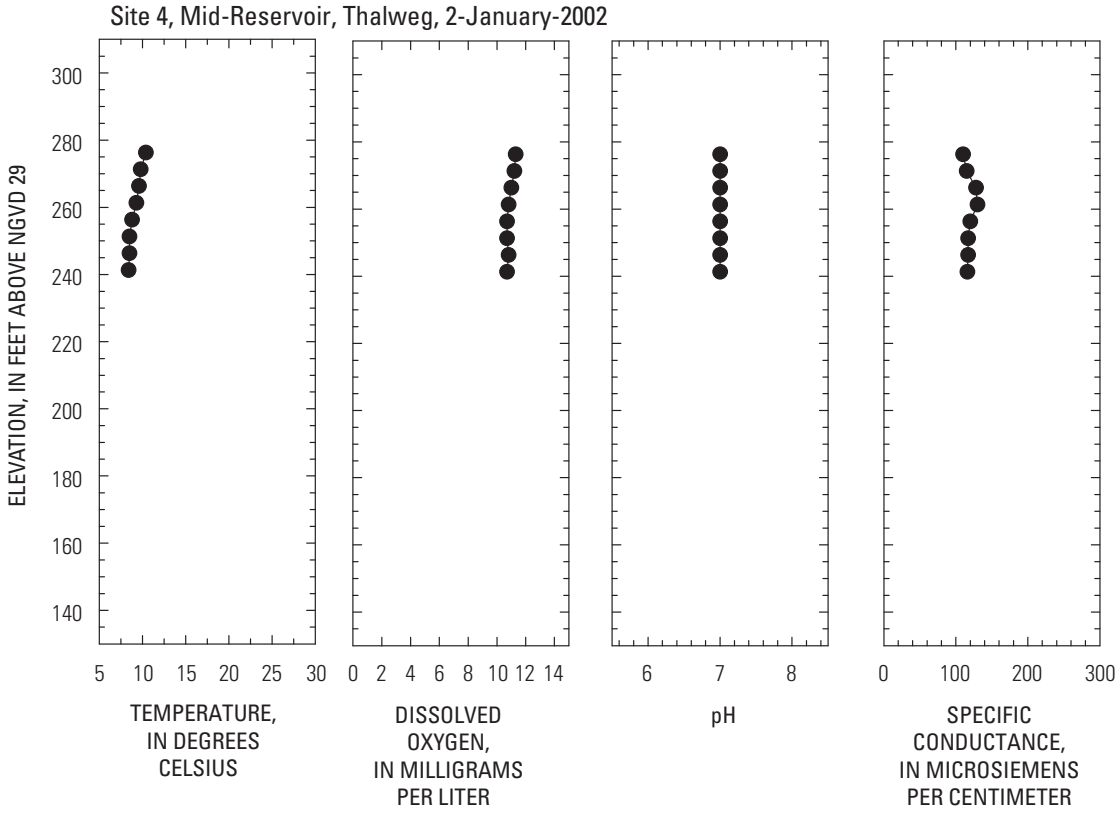

Figure D27 January 2, 2002, Site 4, Mid-Reservoir, Thalweg.

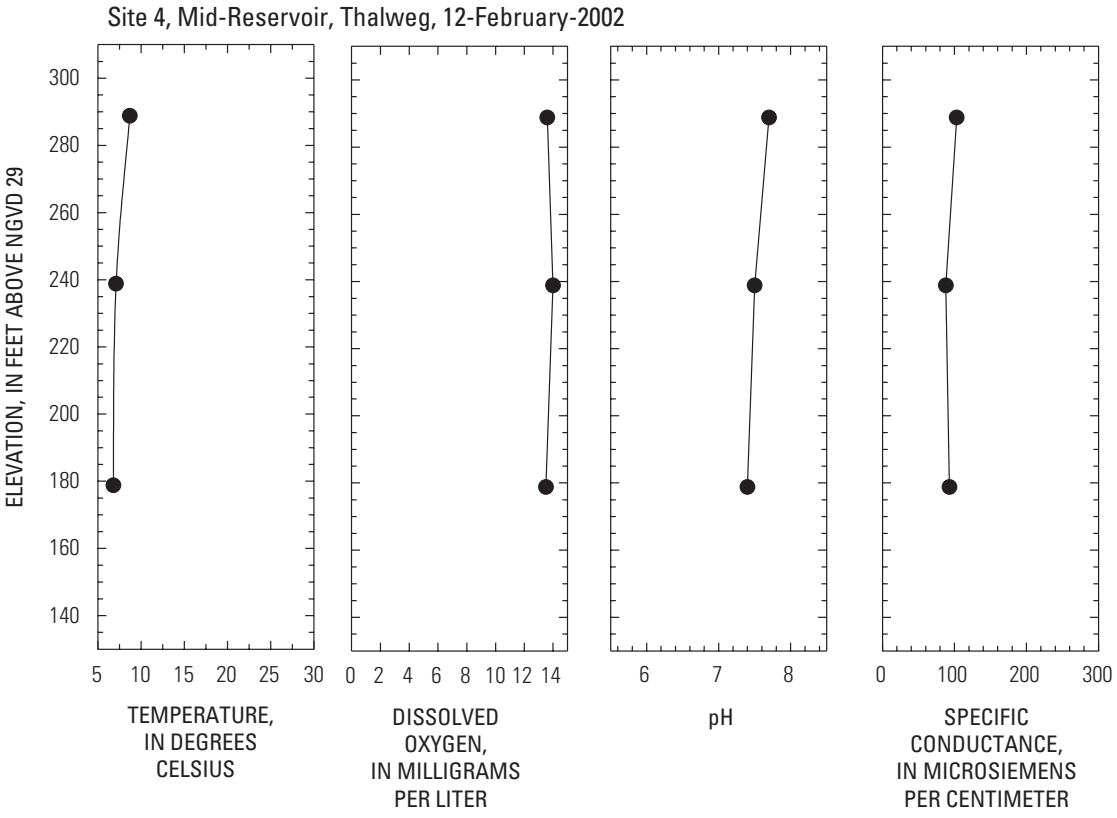

Figure D28. February 12, 2002, Site 4, Mid-Reservoir, Thalweg.

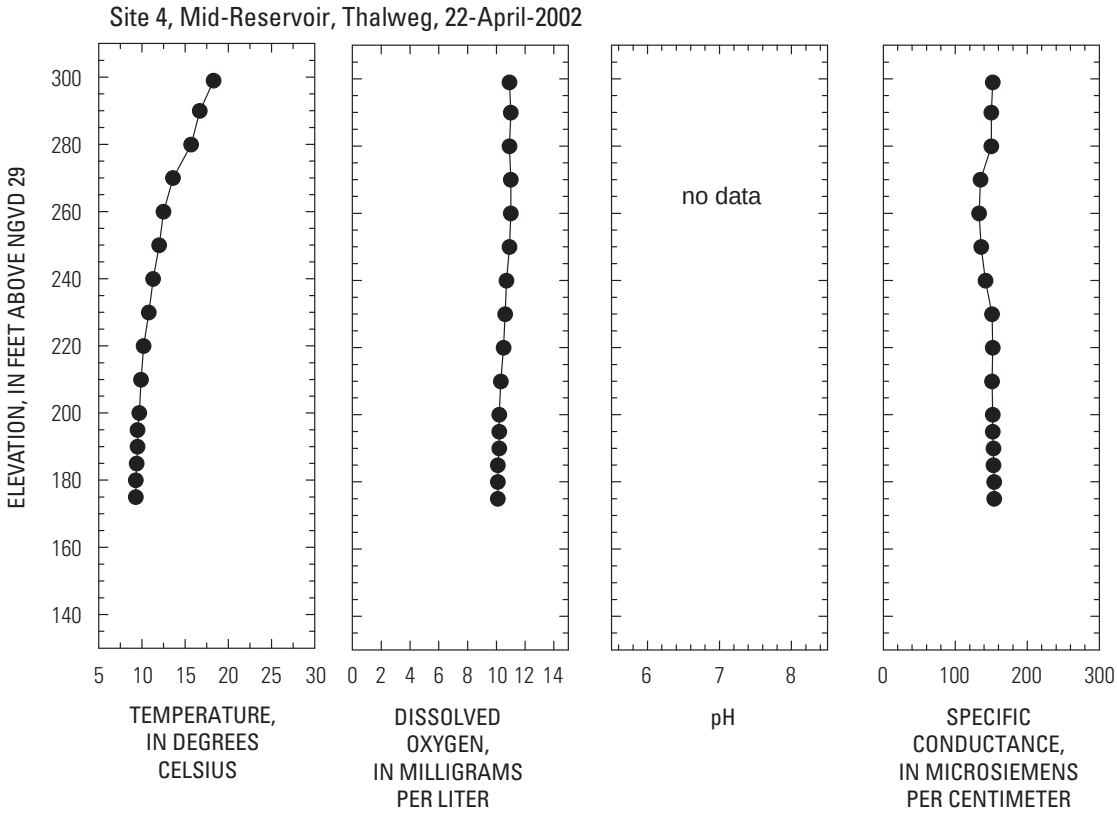

Figure D29 April 22, 2002, Site 4, Mid-Reservoir, Thalweg.

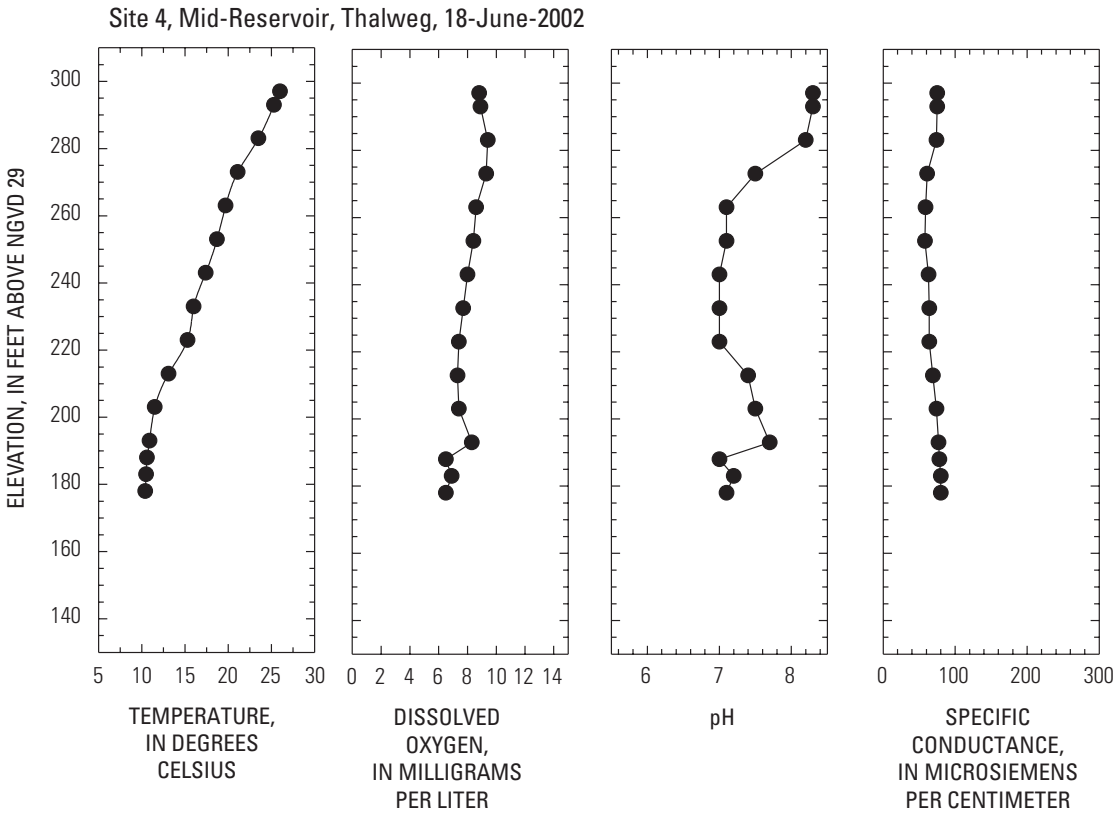

Figure D30. June 18, 2002, Site 4, Mid-Reservoir, Thalweg.

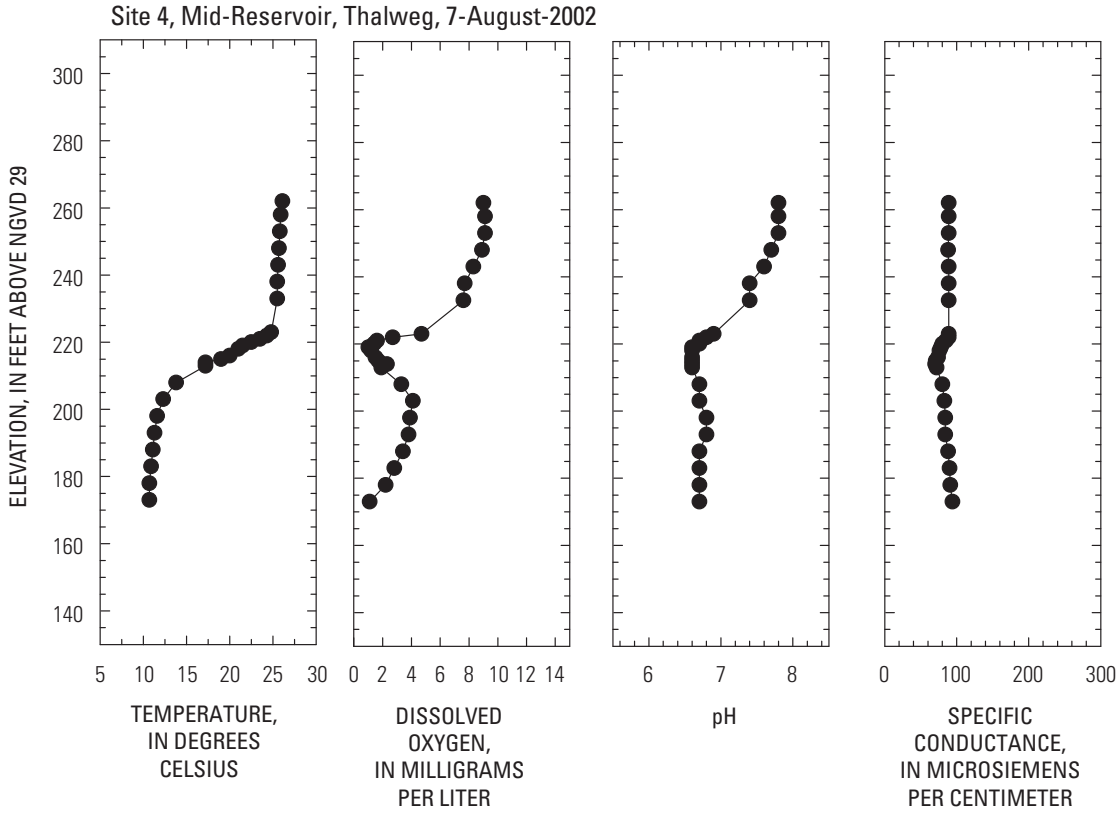

Figure D31 August 7, 2002, Site 4, Mid-Reservoir, Thalweg.

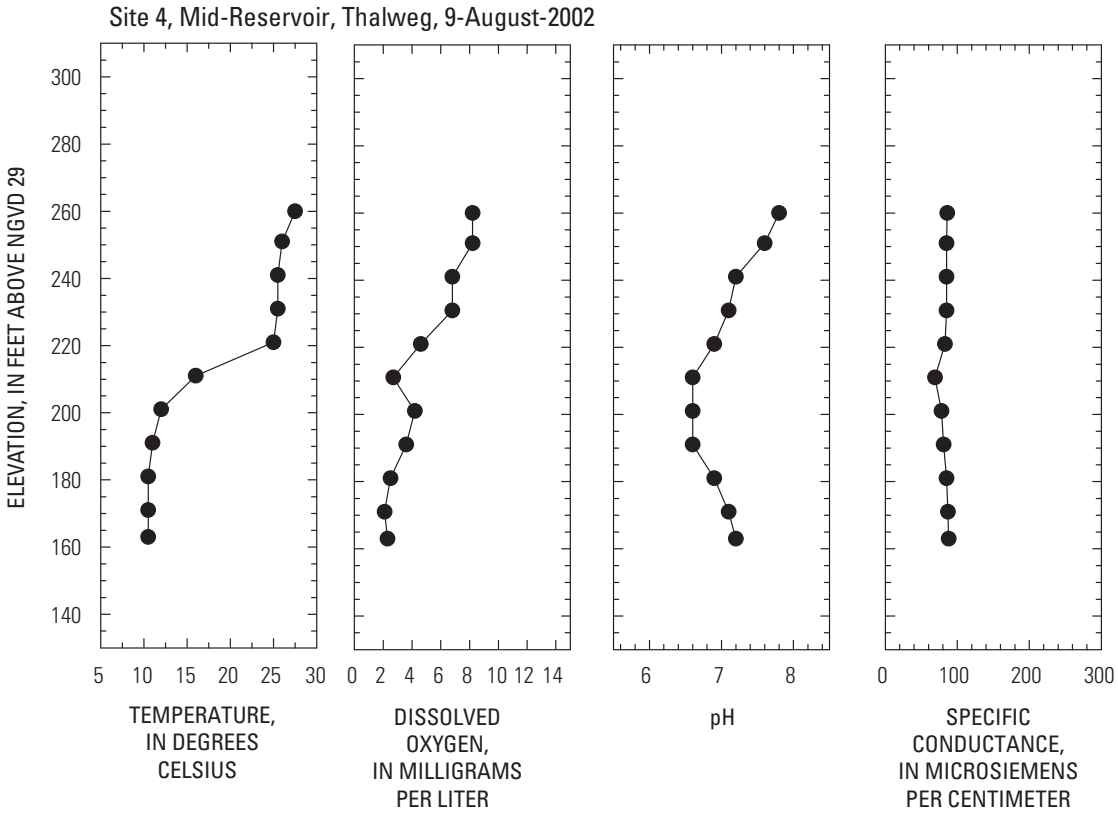

Figure D32. August 9, 2002, Site 4, Mid-Reservoir, Thalweg.

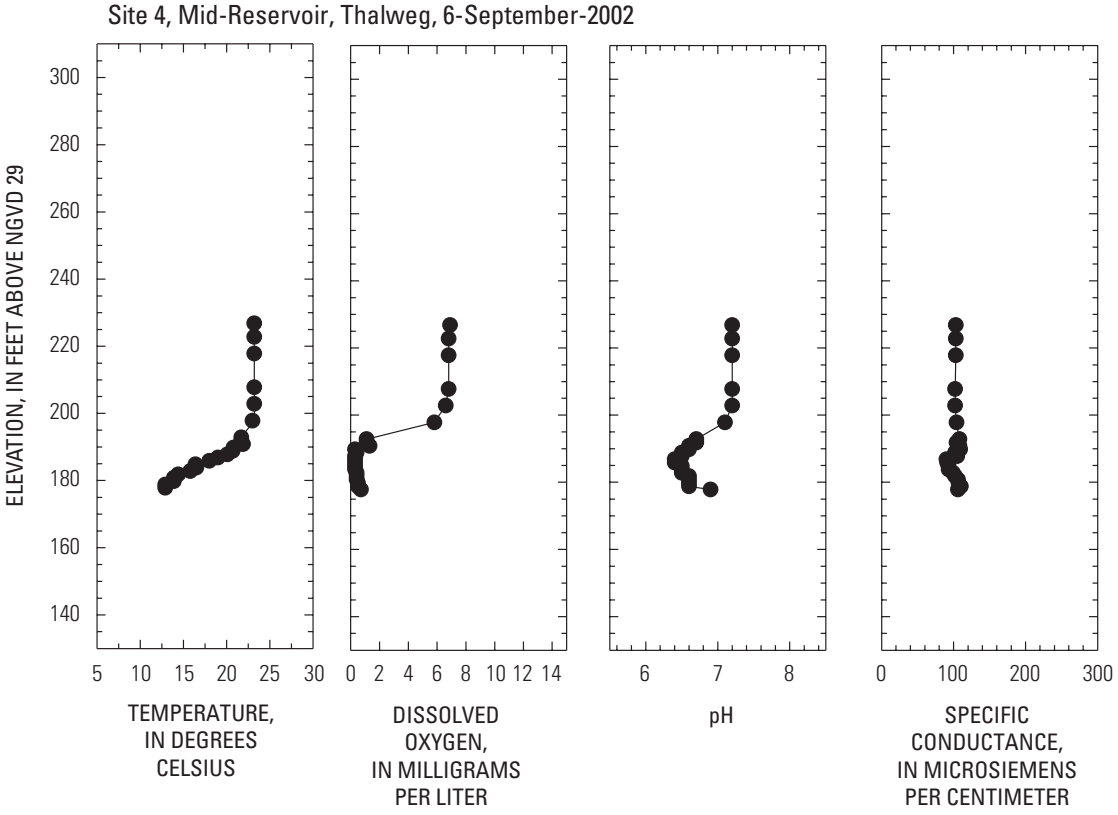

Figure D33. September 6, 2002, Site 4, Mid-Reservoir, Thalweg.

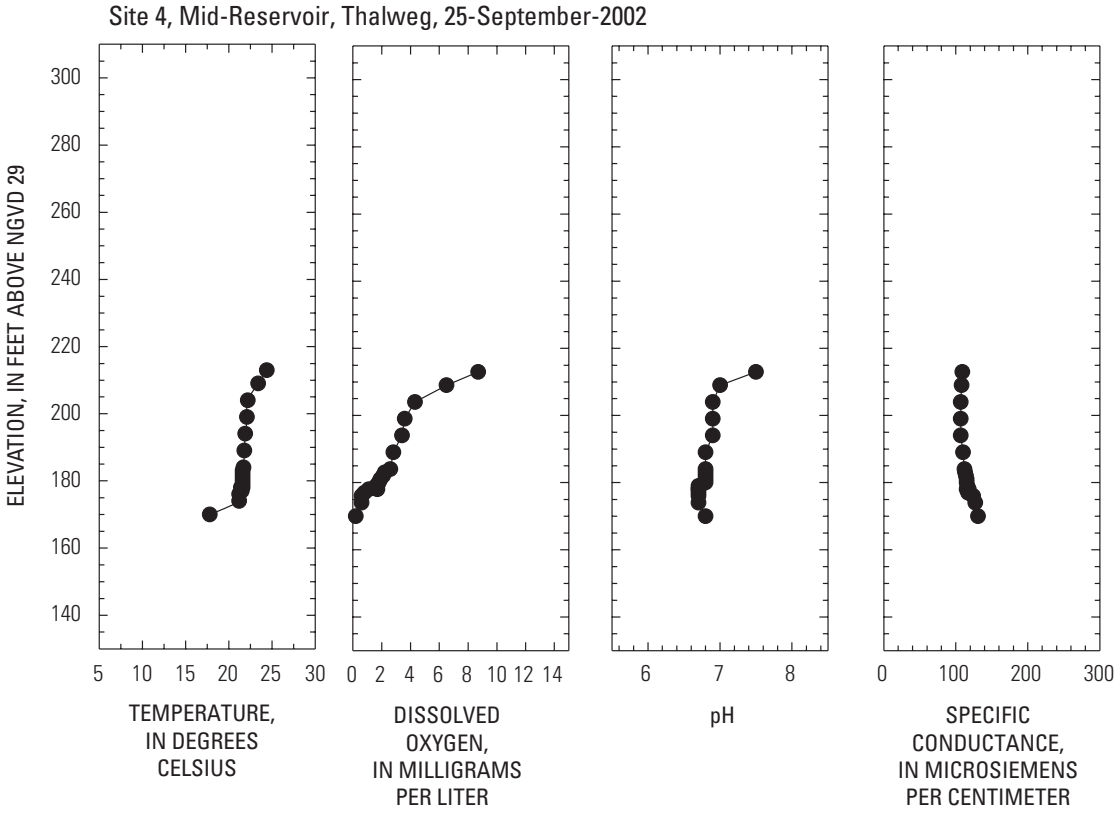

Figure D34. September 25, 2002, Site 4, Mid-Reservoir, Thalweg.

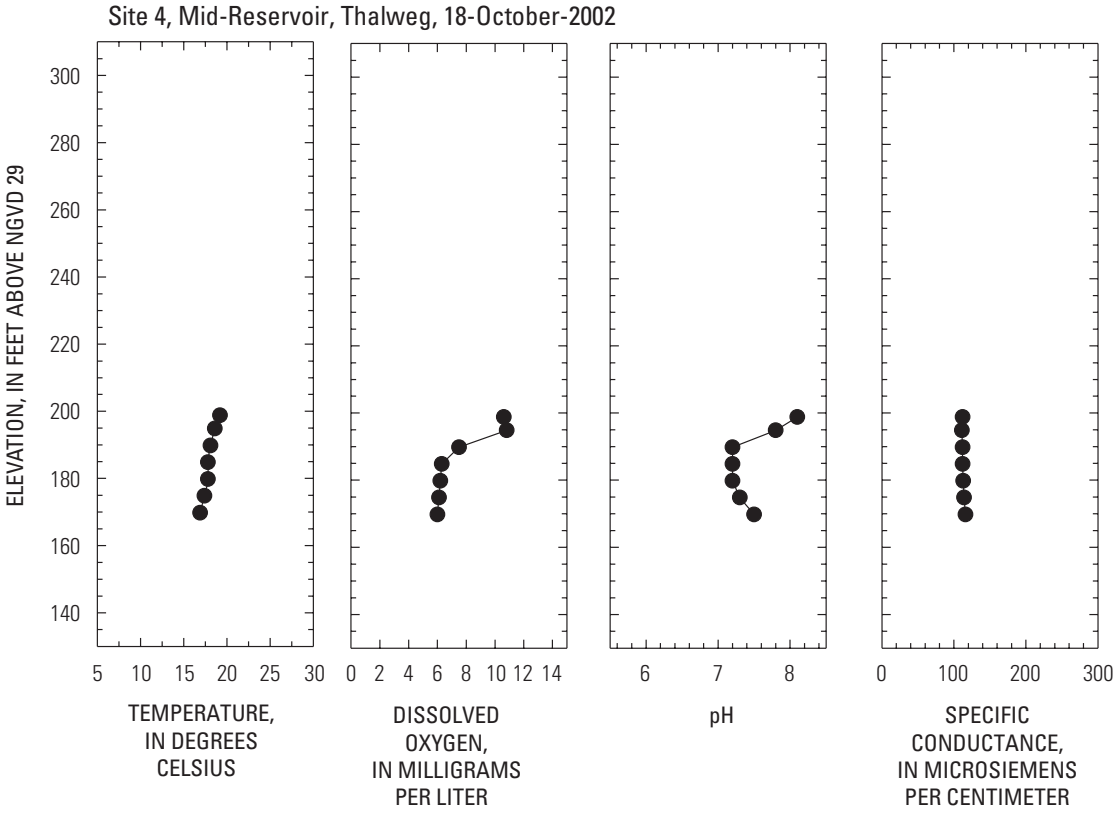

Figure D35. October 18, 2002, Site 4, Mid-Reservoir, Thalweg.

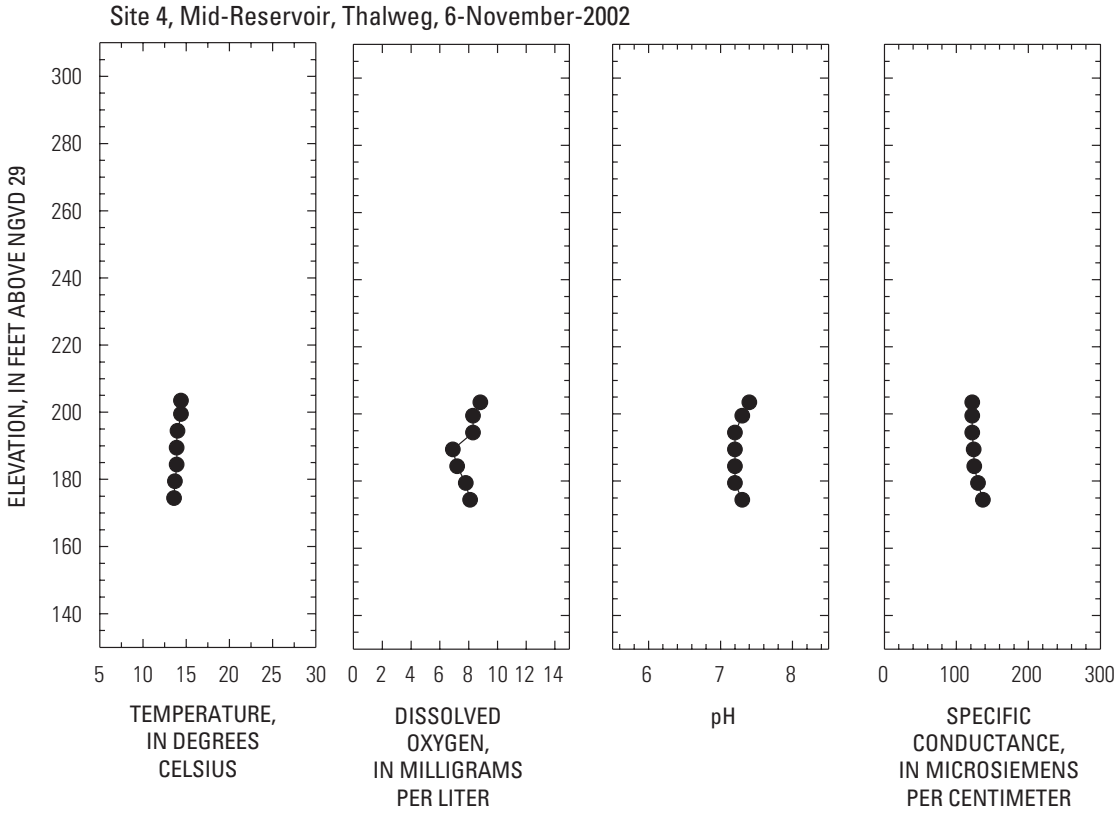

Figure D36. November 6, 2002, Site 4, Mid-Reservoir, Thalweg.

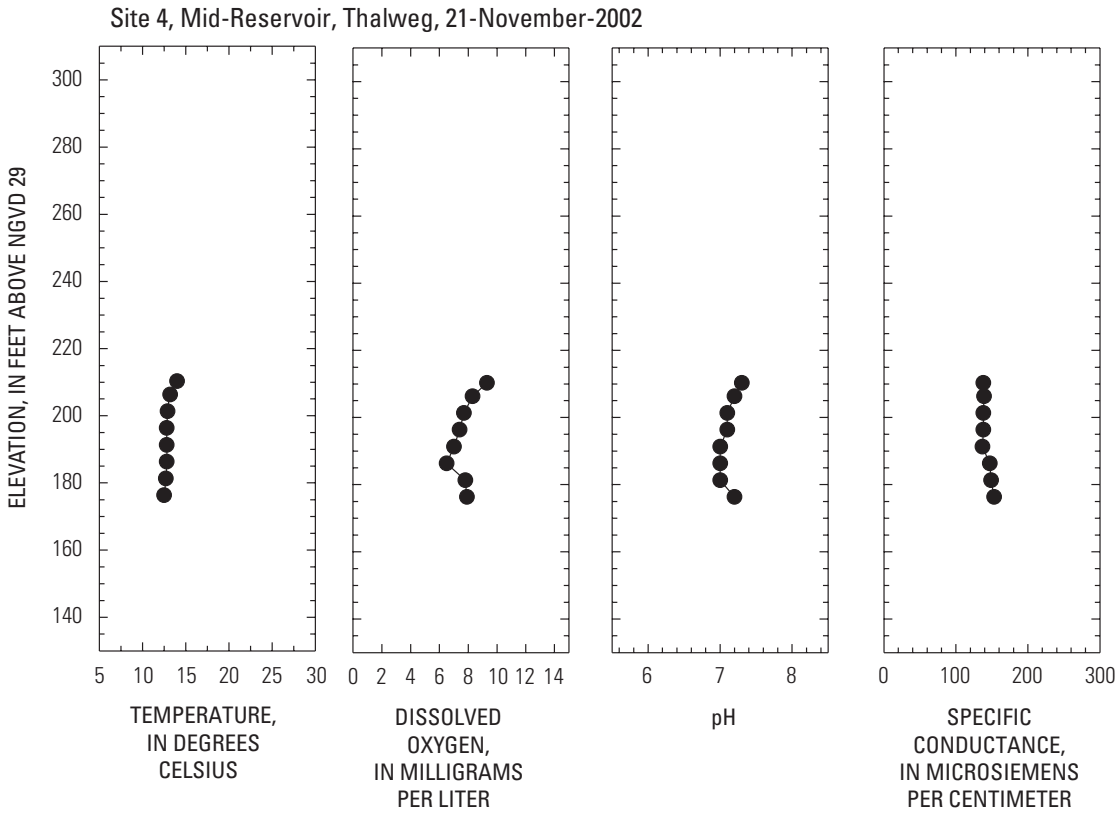

Figure D37. November 21, 2002, Site 4, Mid-Reservoir, Thalweg.

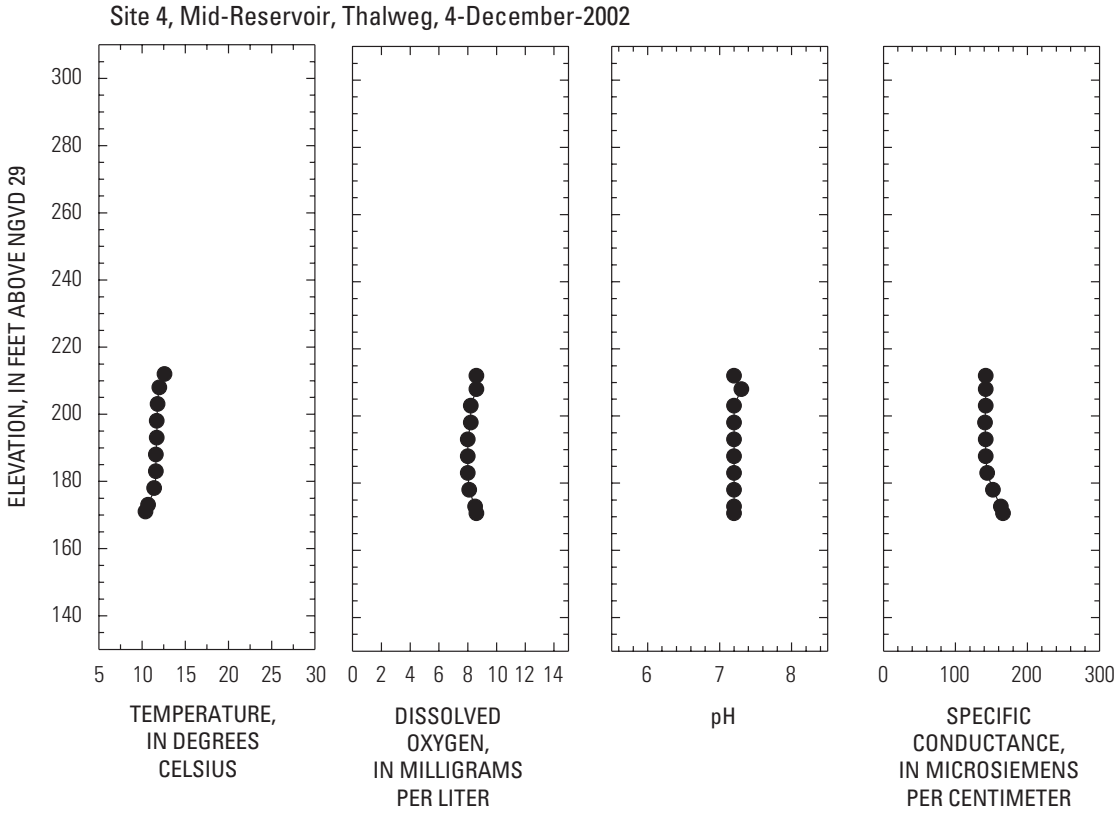

Figure D38. November 6, 2002, Site 4, Mid-Reservoir, Thalweg.

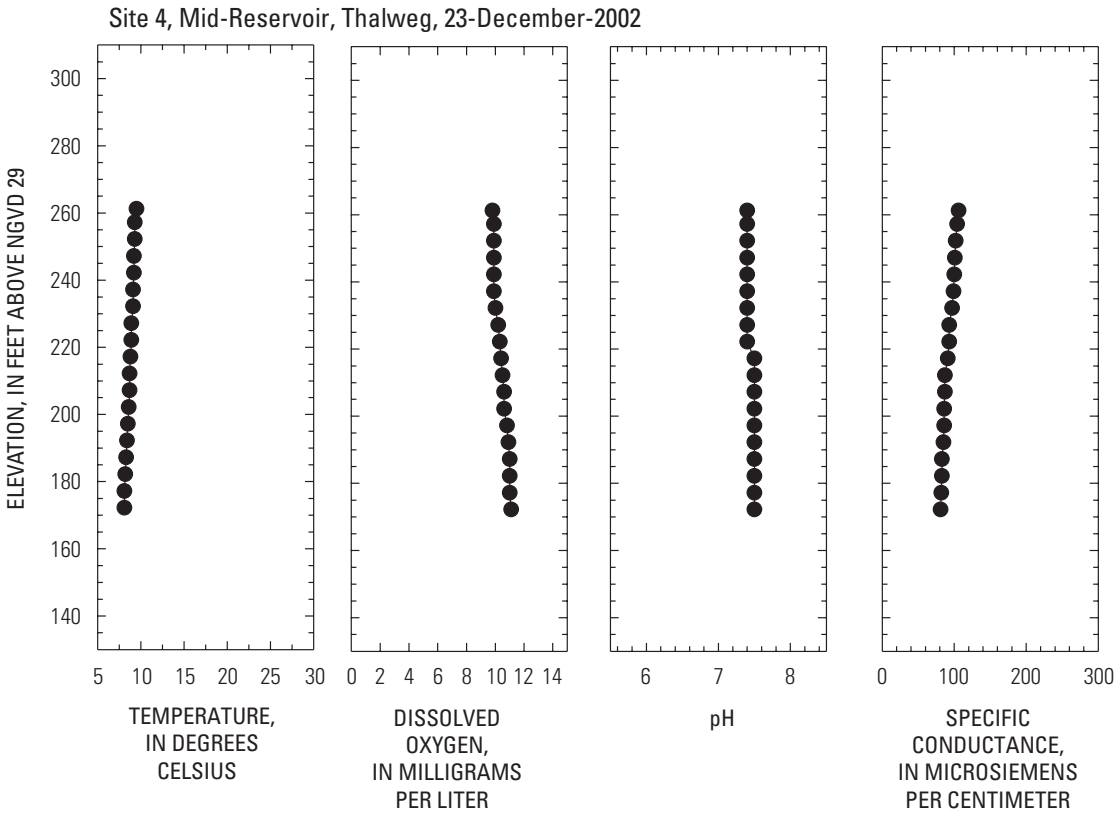

Figure D39. December 23, 2002, Site 4, Mid-Reservoir, Thalweg.

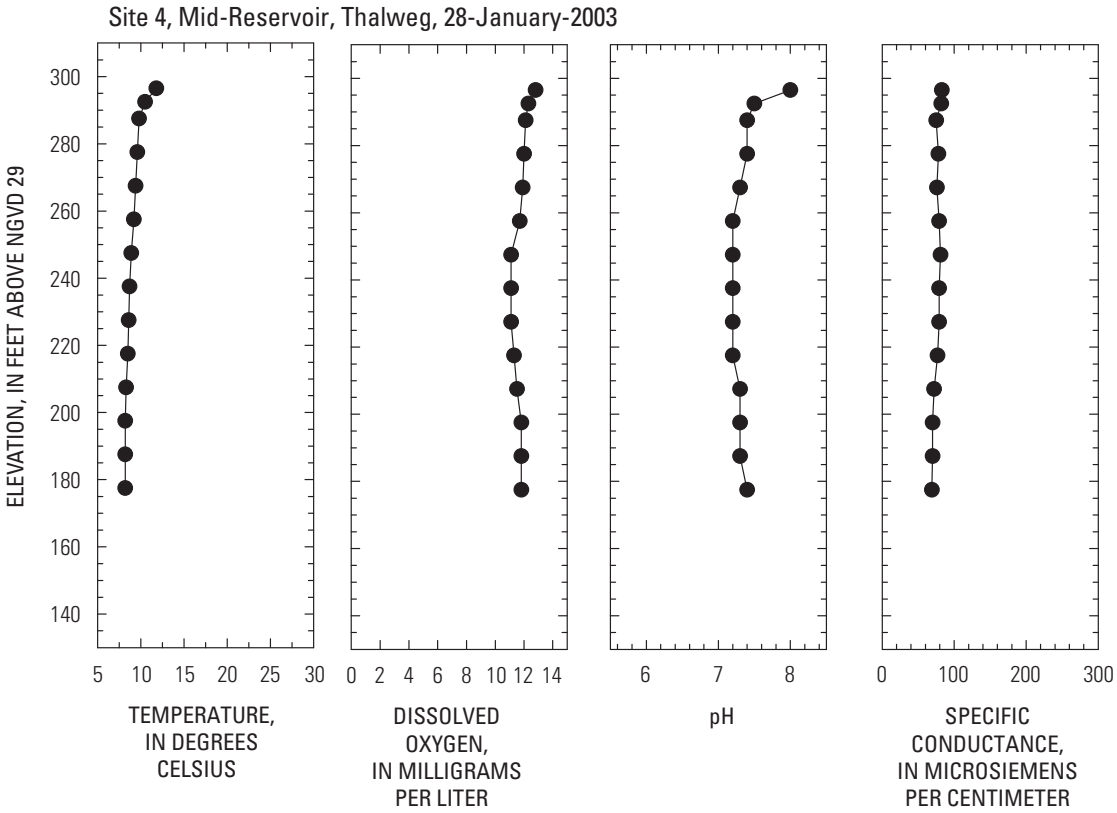

Figure D40. Janary 28, 2003, Site 4, Mid-Reservoir, Thalweg.

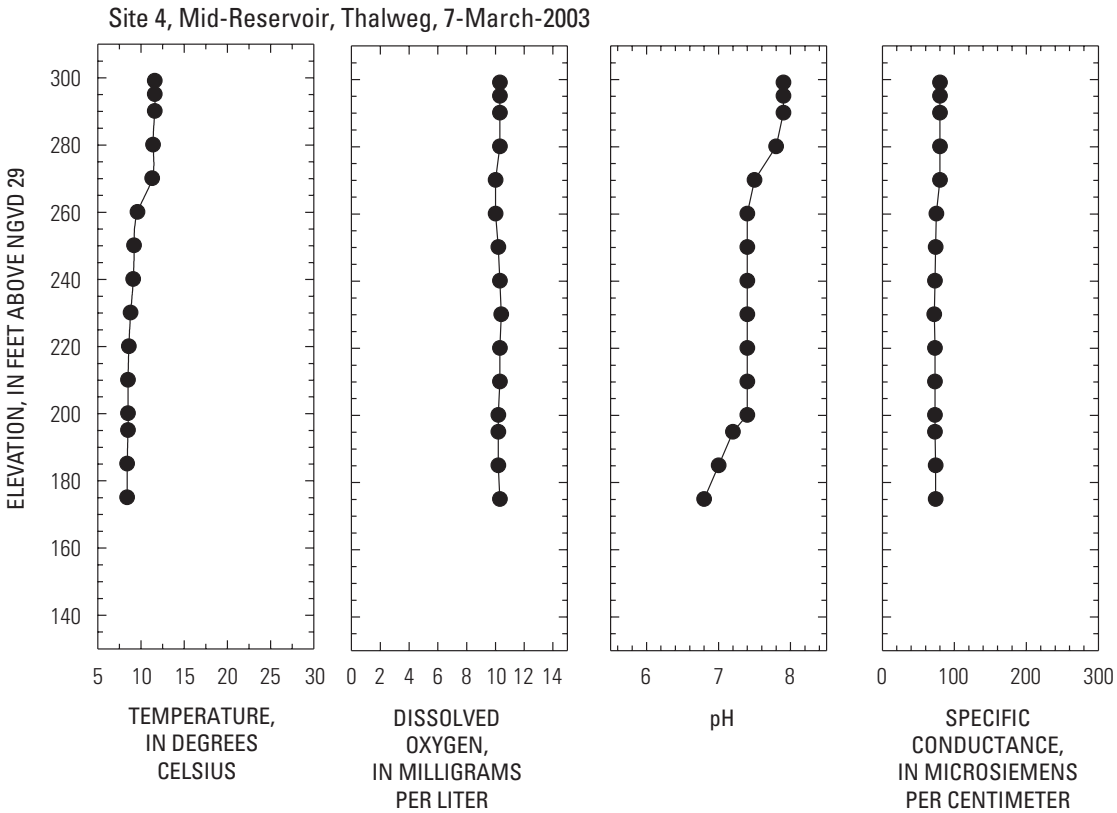

Figure D41. March 7, 2003, Site 4, Mid-Reservoir, Thalweg.

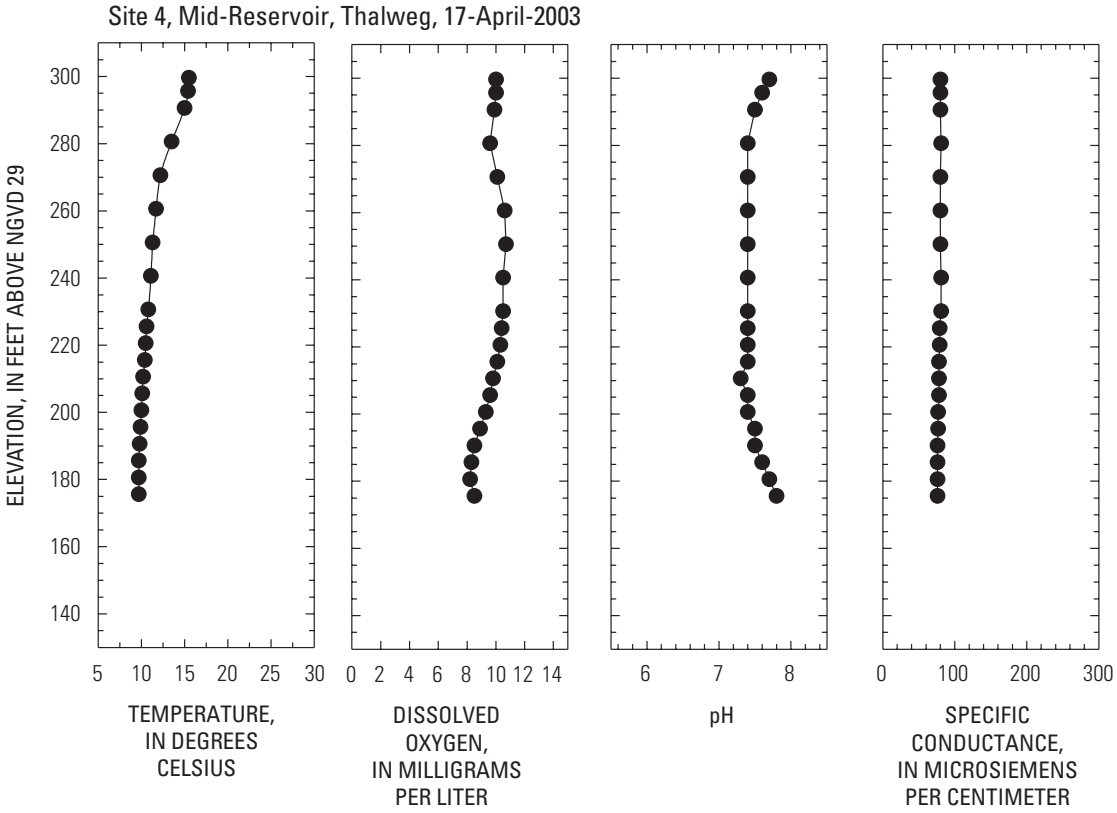

Figure D42. April 17, 2003, Site 4, Mid-Reservoir, Thalweg.

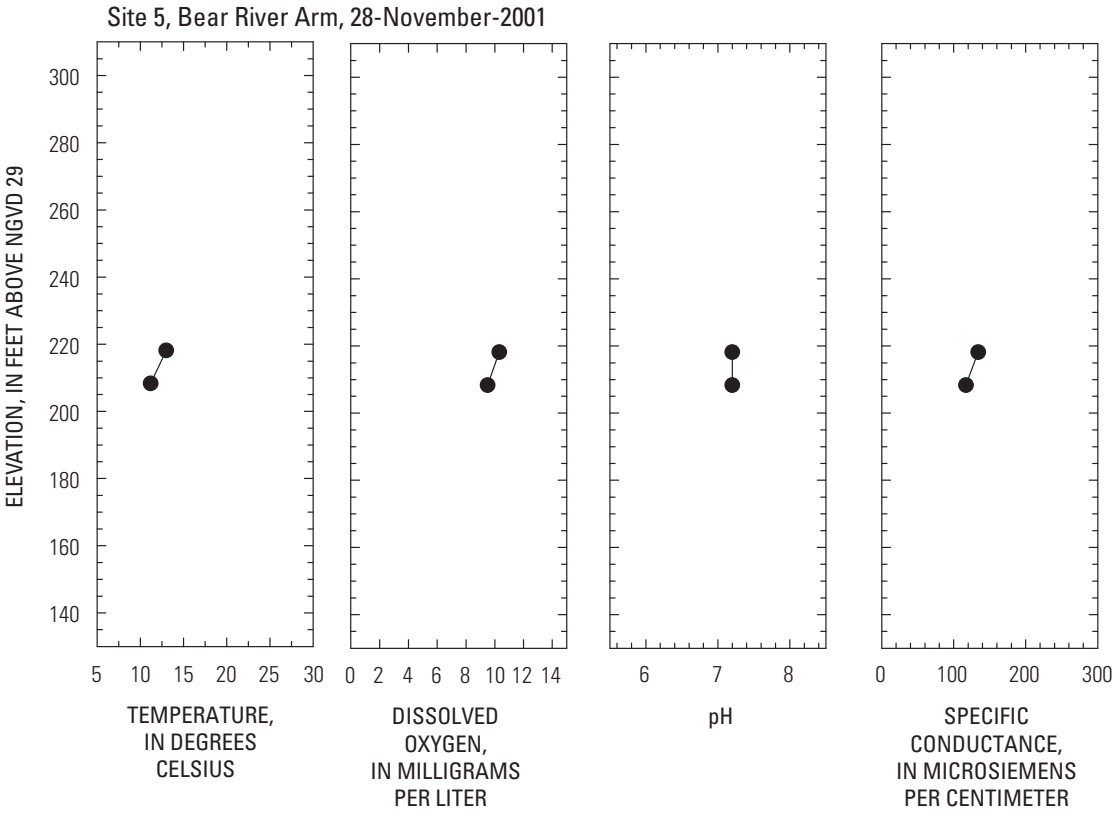

Figure D43. November 28, 2001, Site 5, Bear River Arm.

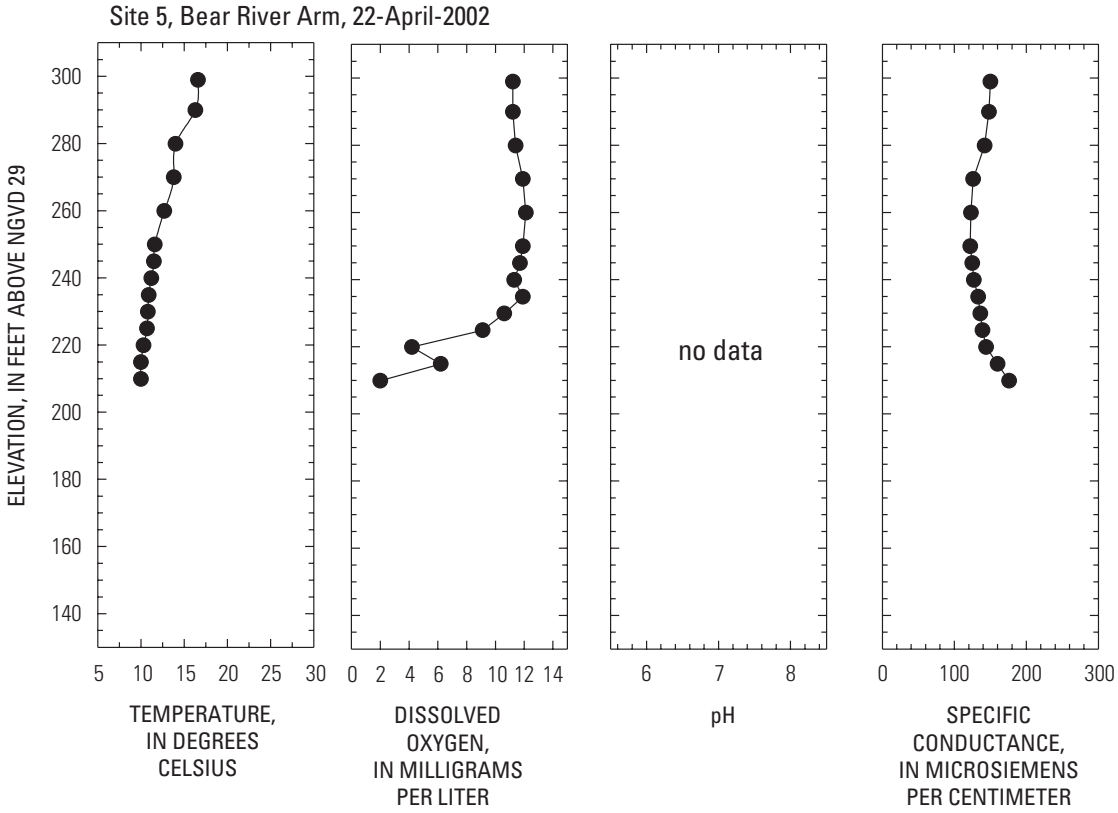

Figure D44. April 22, 2002, Site 5, Bear River Arm.

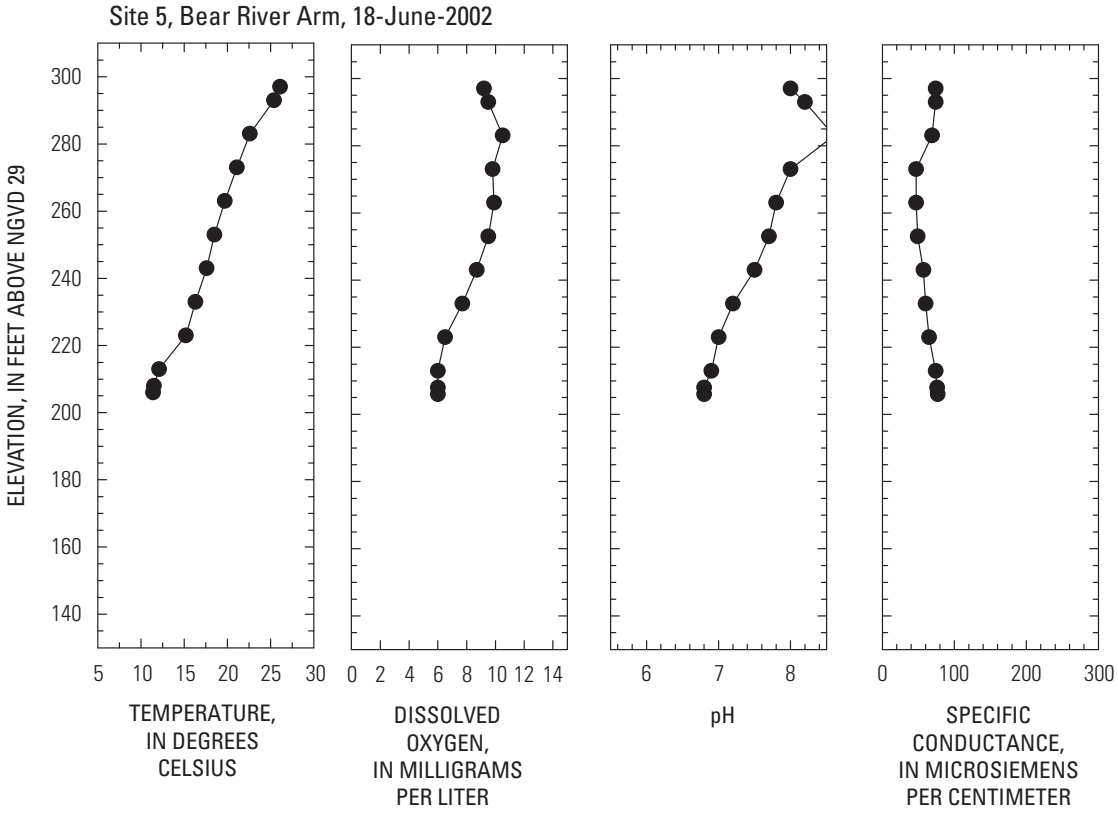

Figure D45. June 18, 2002, Site 5, Bear River Arm.

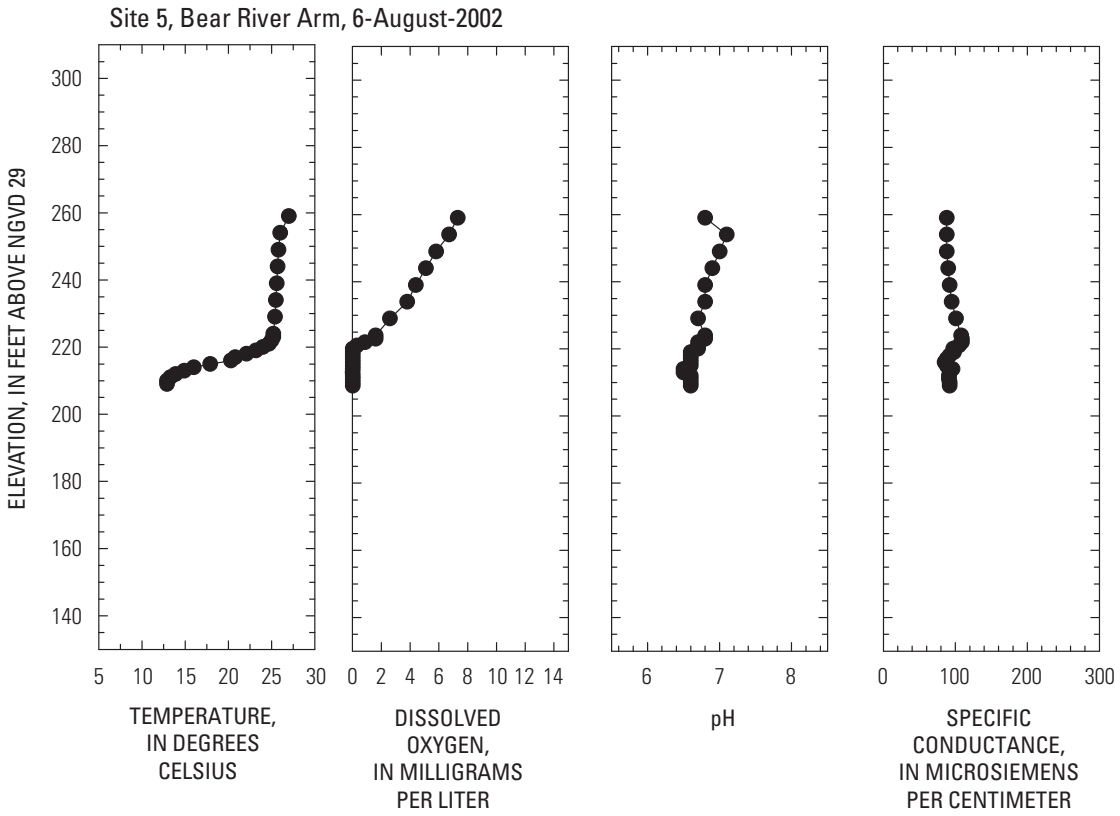

Figure D46. August 6, 2002, Site 5, Bear River Arm.

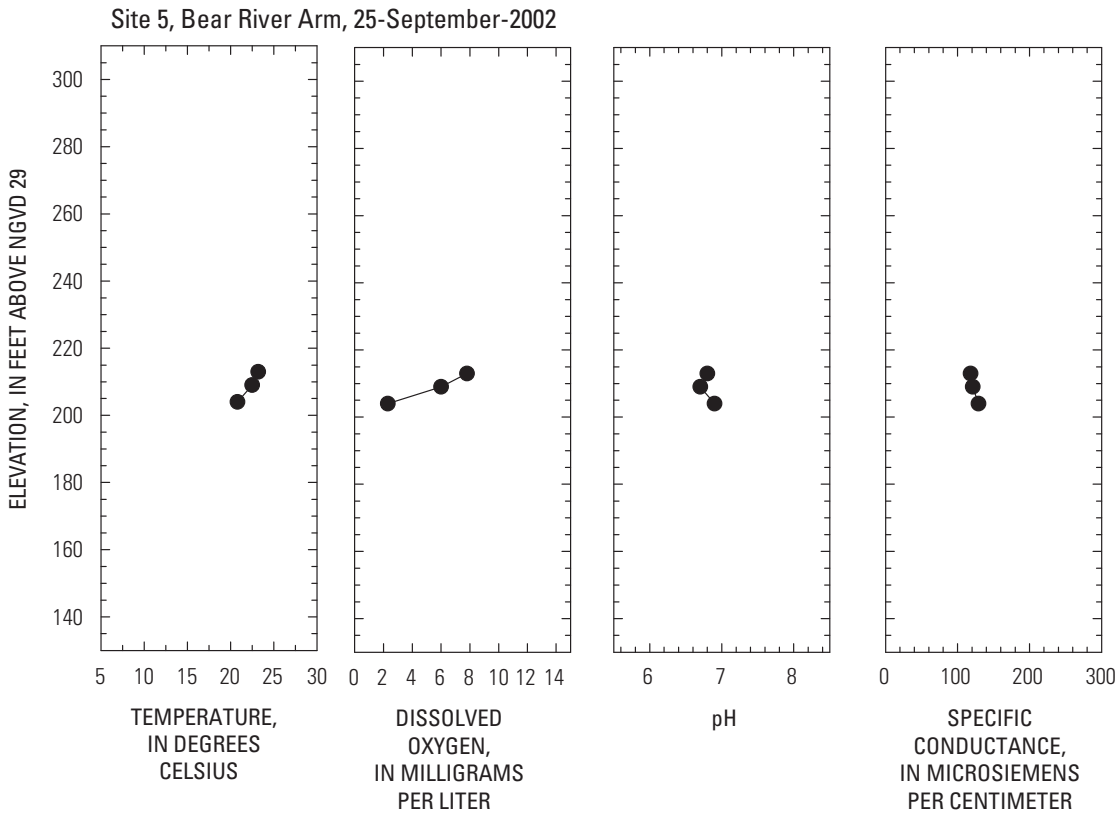

Figure D47. September 25, 2002, Site 5, Bear River Arm.

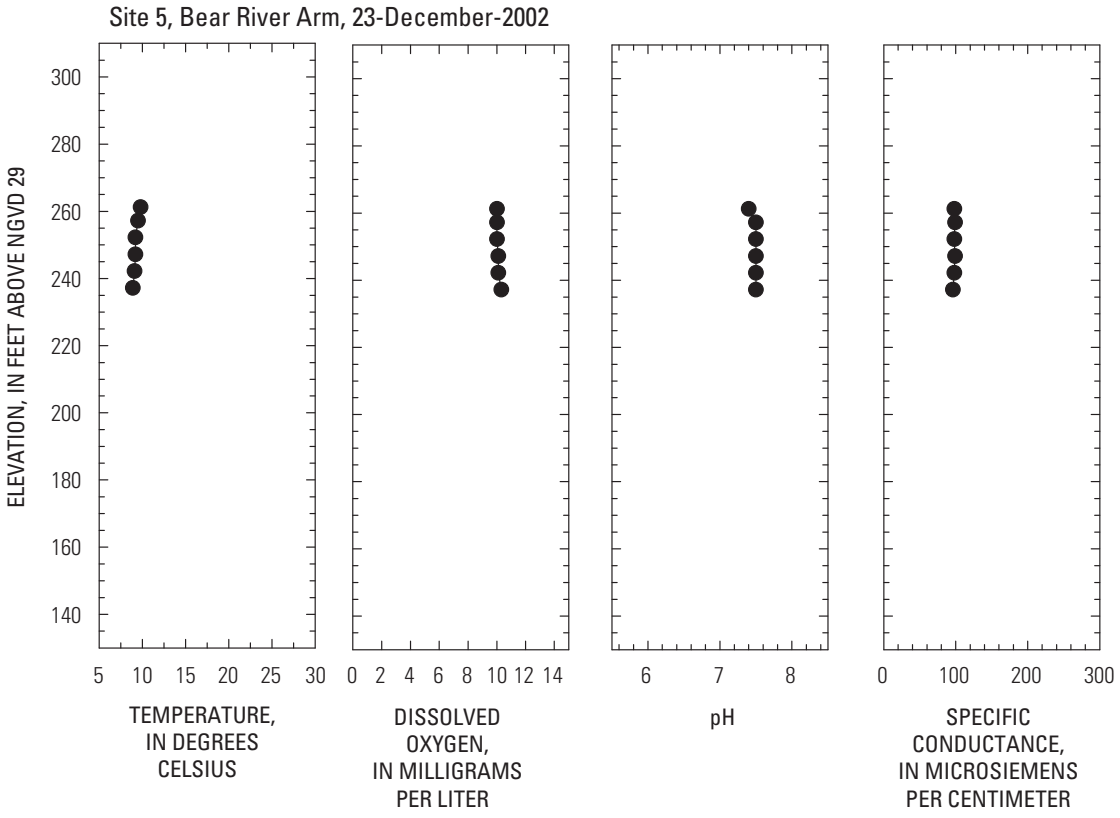

Figure D48. December 23, 2002, Site 5, Bear River Arm.

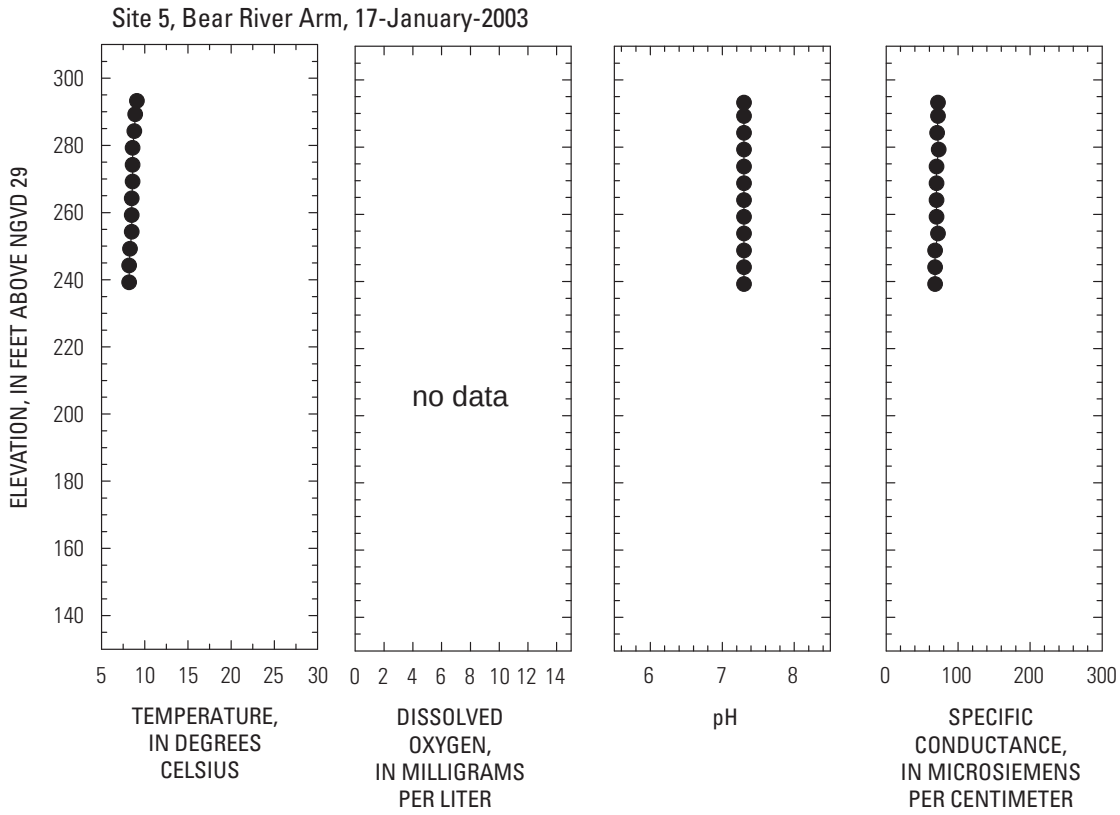

Figure D49. January 17, 2003, Site 5, Bear River Arm.

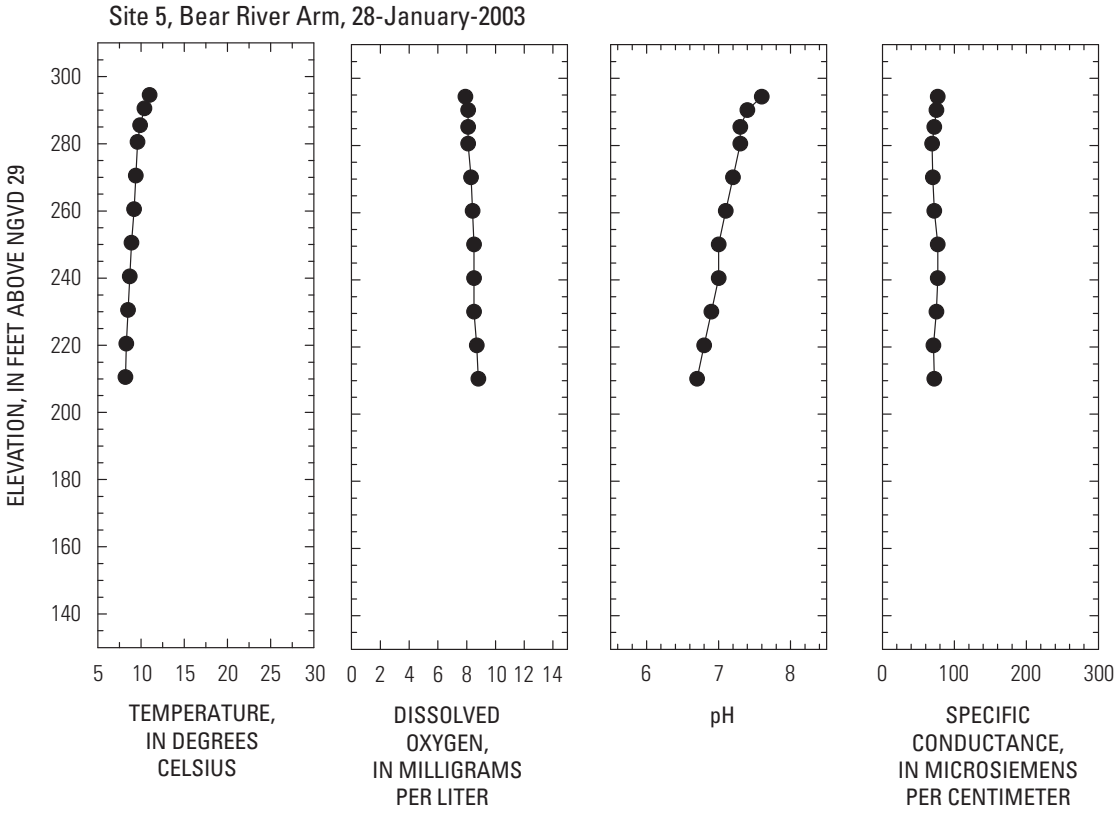

Figure D50. Januuary 28, 2003, Site 5, Bear River Arm.

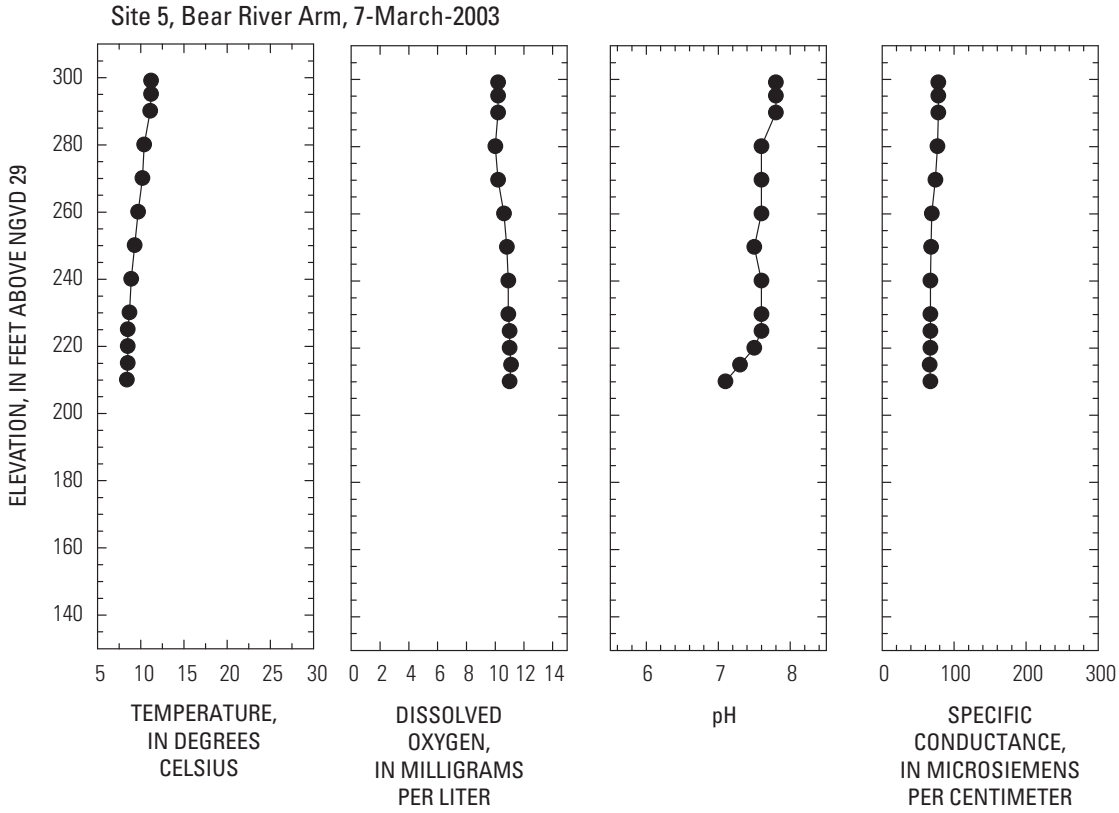

Figure D51. March 7, 2003, Site 5, Bear River Arm.

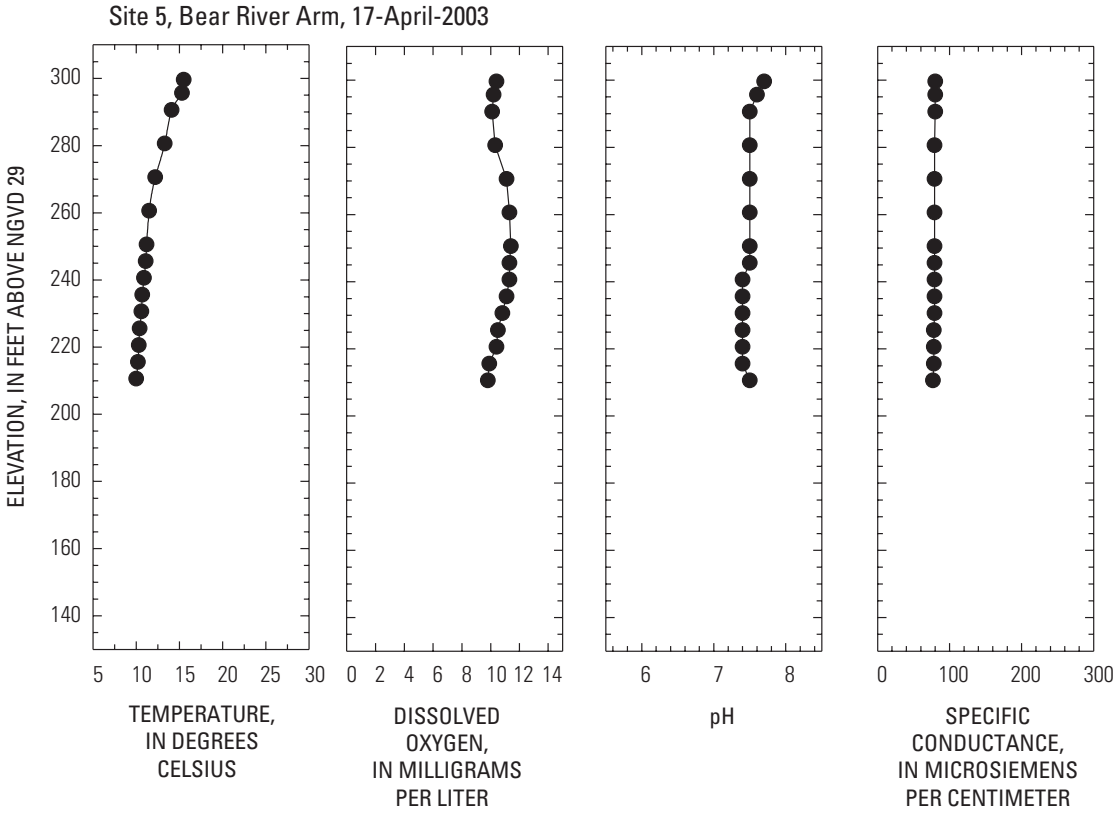

Figure D52. April 17, 2003, Site 5, Bear River Arm.

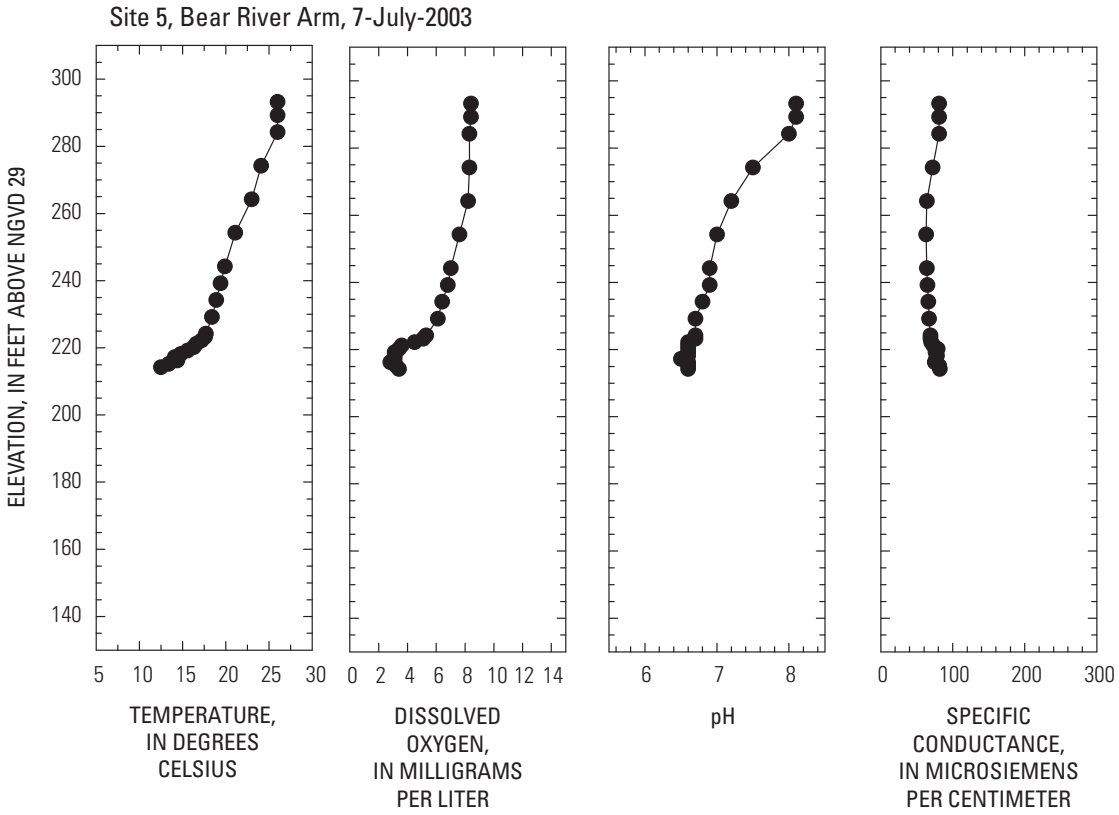

Figure D53. July 7, 2003, Site 5, Bear River Arm.

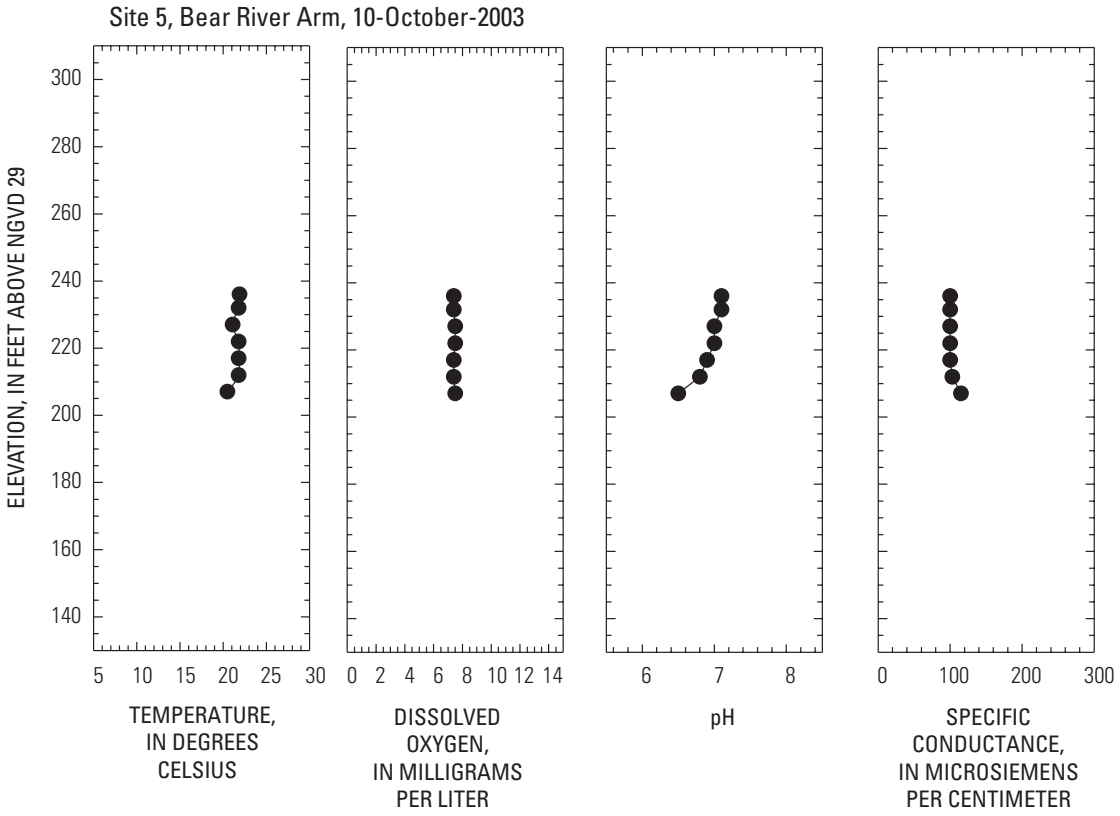

Figure D54. October 10, 2003, Site 5, Bear River Arm.

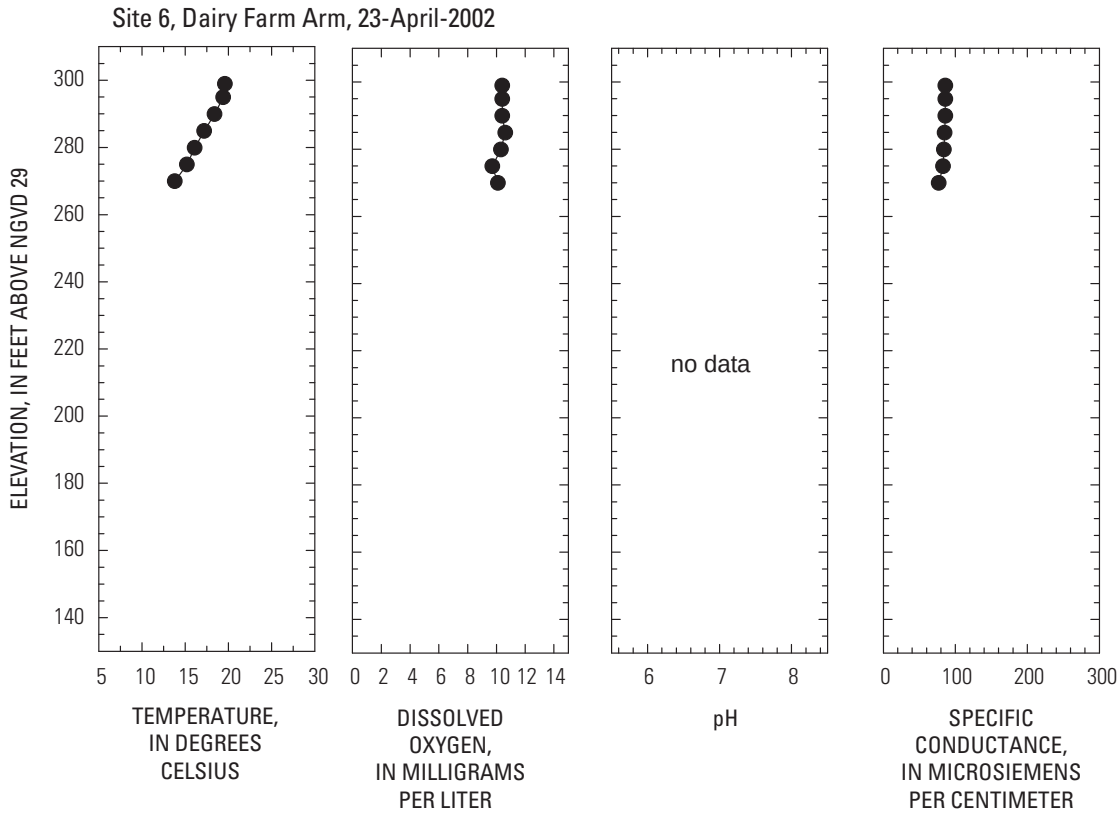

Figure D55. April 23, 2002, Site 6, Dairy Farm Arm.

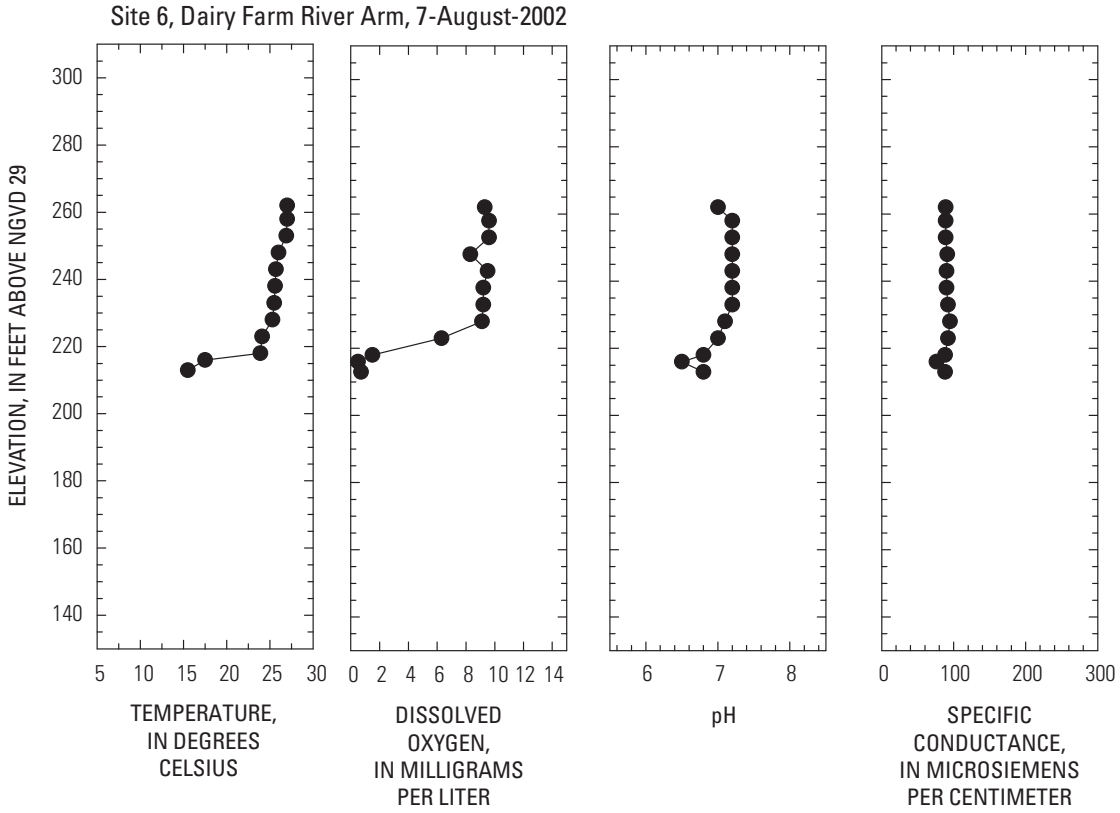

Figure D56. August 7, 2002, Site 6, Dairy Farm Arm.

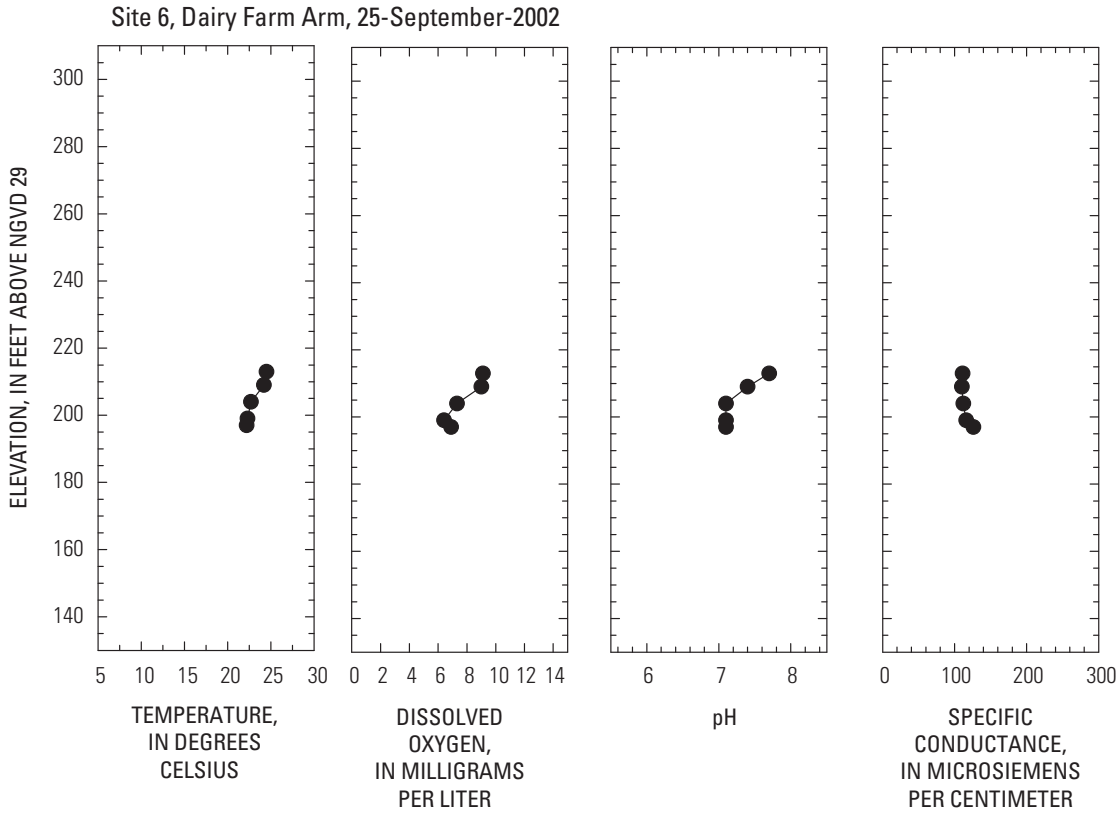

Figure D57. September 25, 2002, Site 6, Dairy Farm Arm.

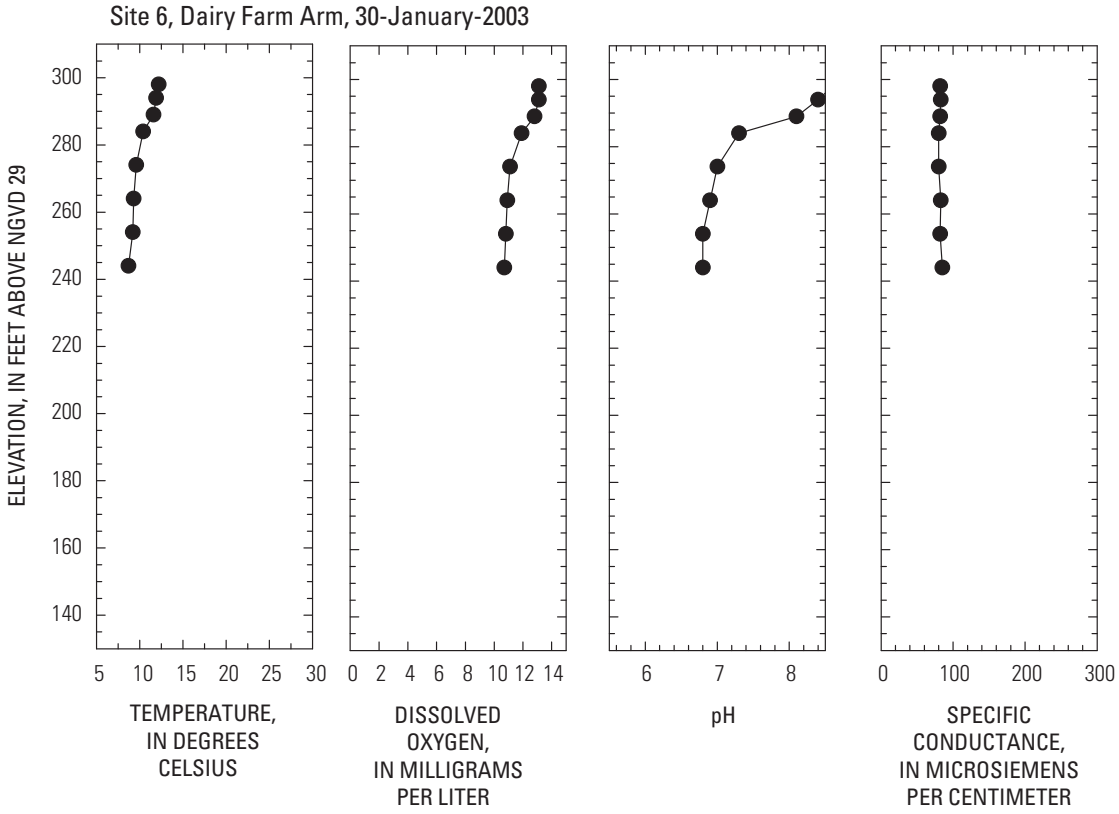

Figure D58. January 30, 2003, Site 6, Dairy Farm Arm.

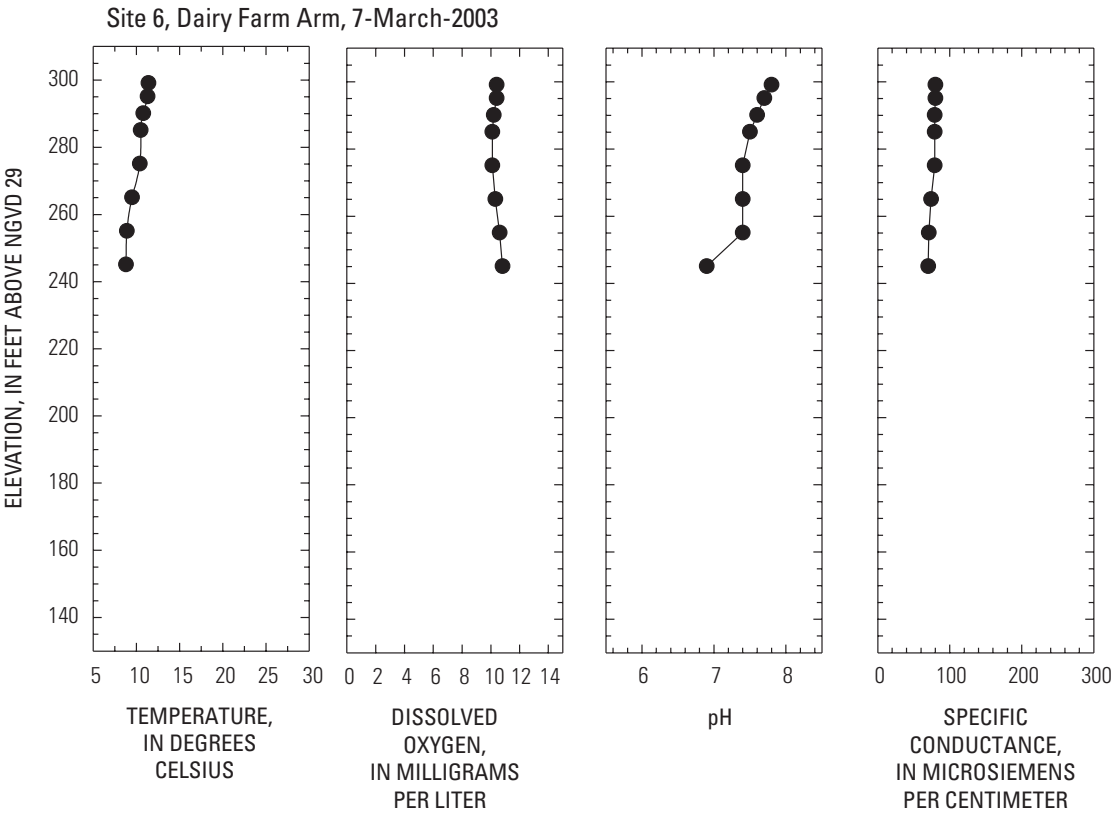

Figure D59. March 7, 2003, Site 6, Dairy Farm Arm.

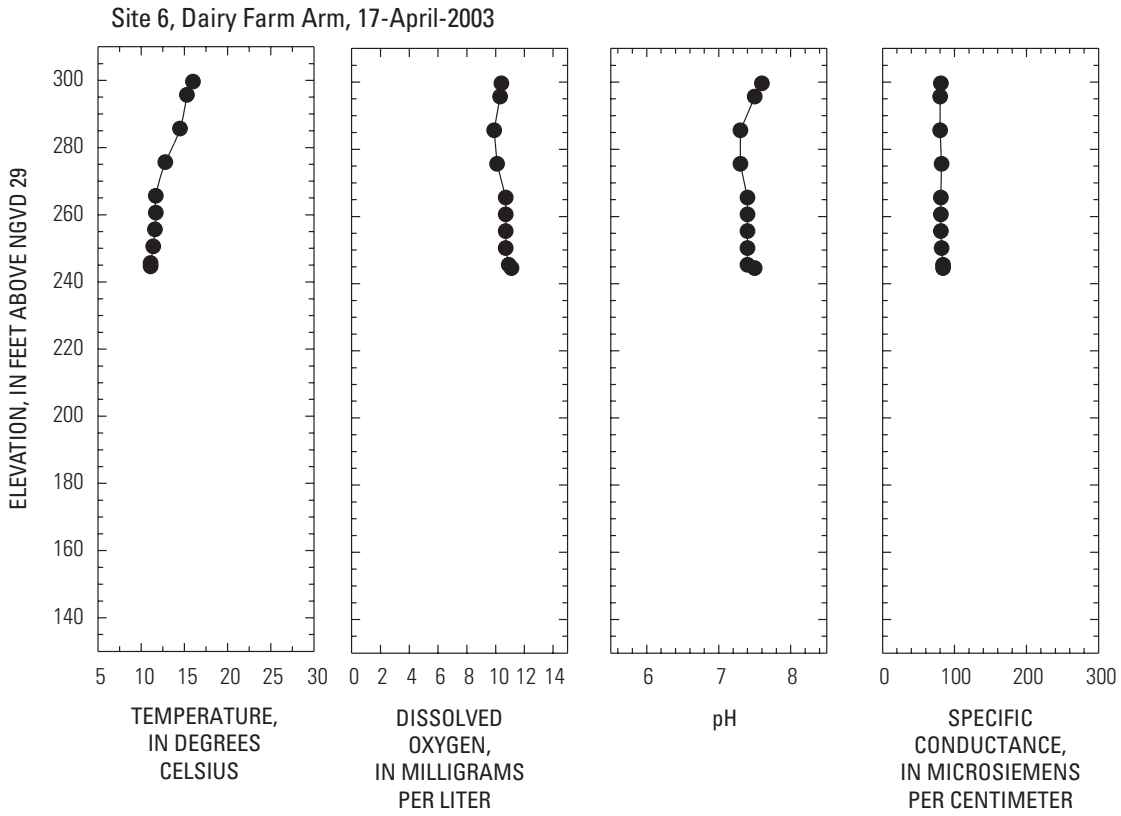

Figure D60. April 17, 2003, Site 6, Dairy Farm Arm.

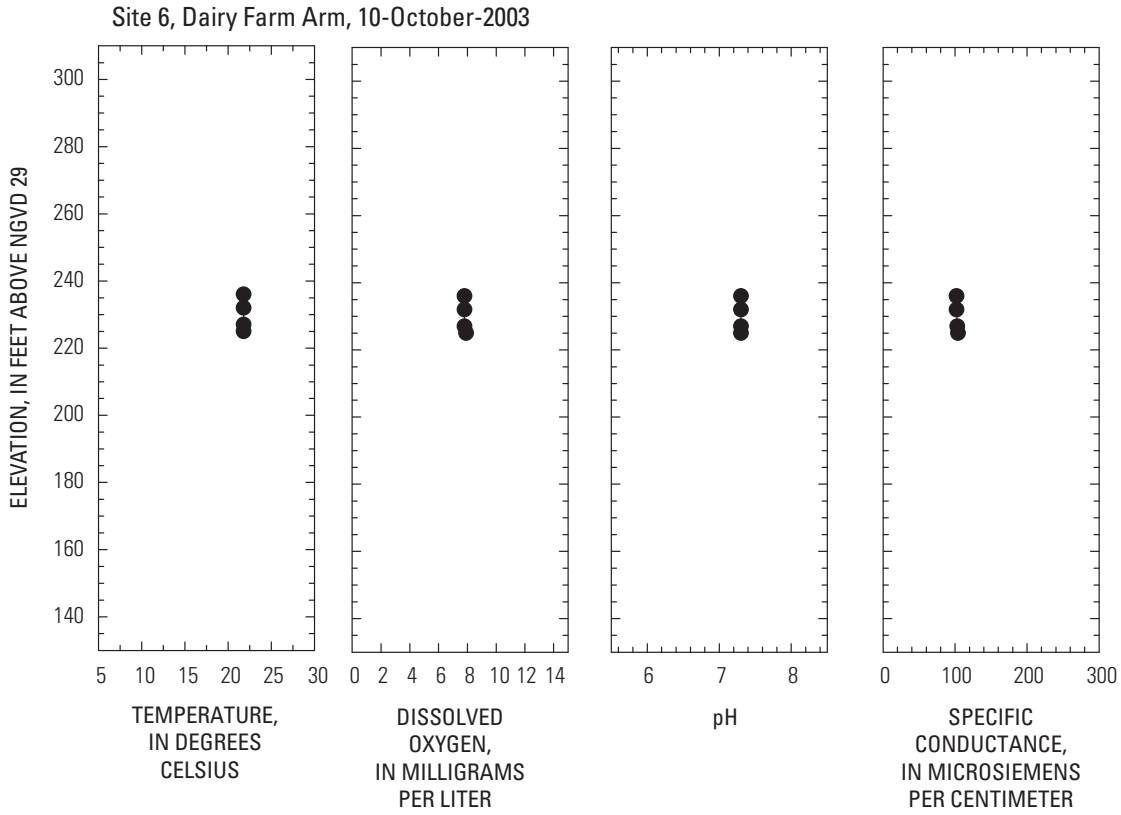

Figure D61. October 10, 2003, Site 6, Dairy Farm Arm.

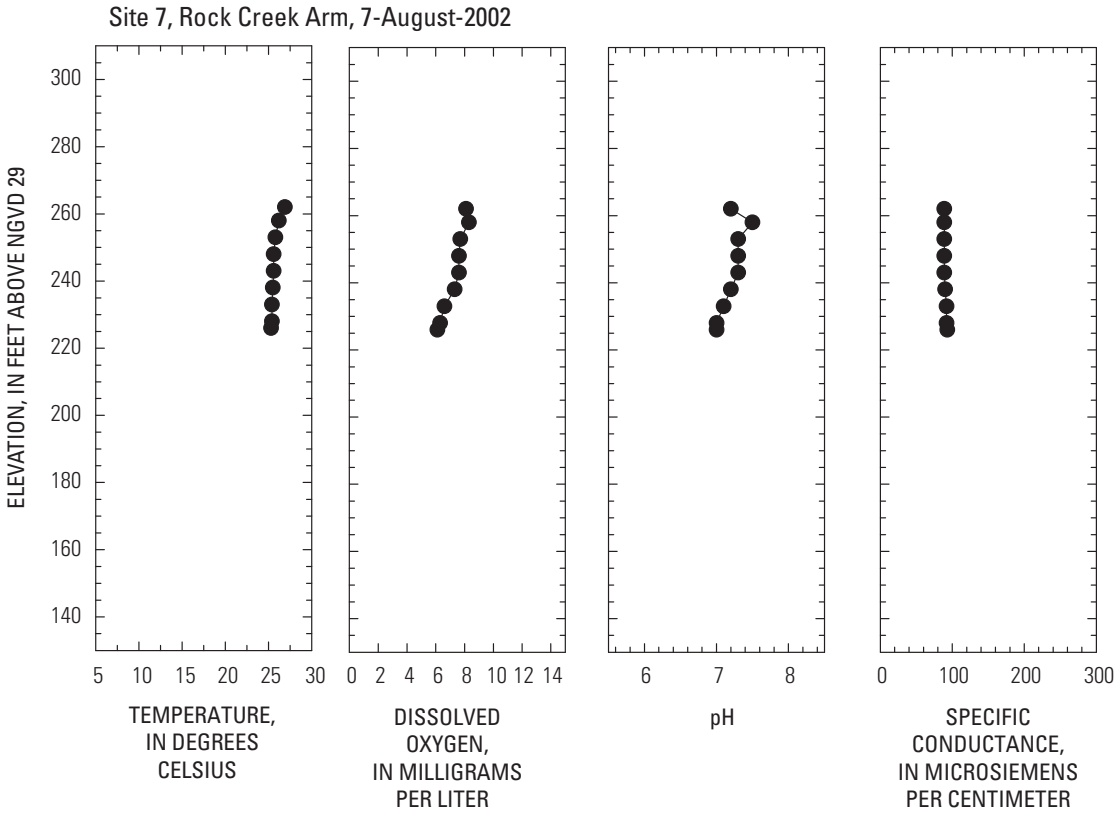

Figure D62. August 7 2002, Site 7, Rock Creek Arm.

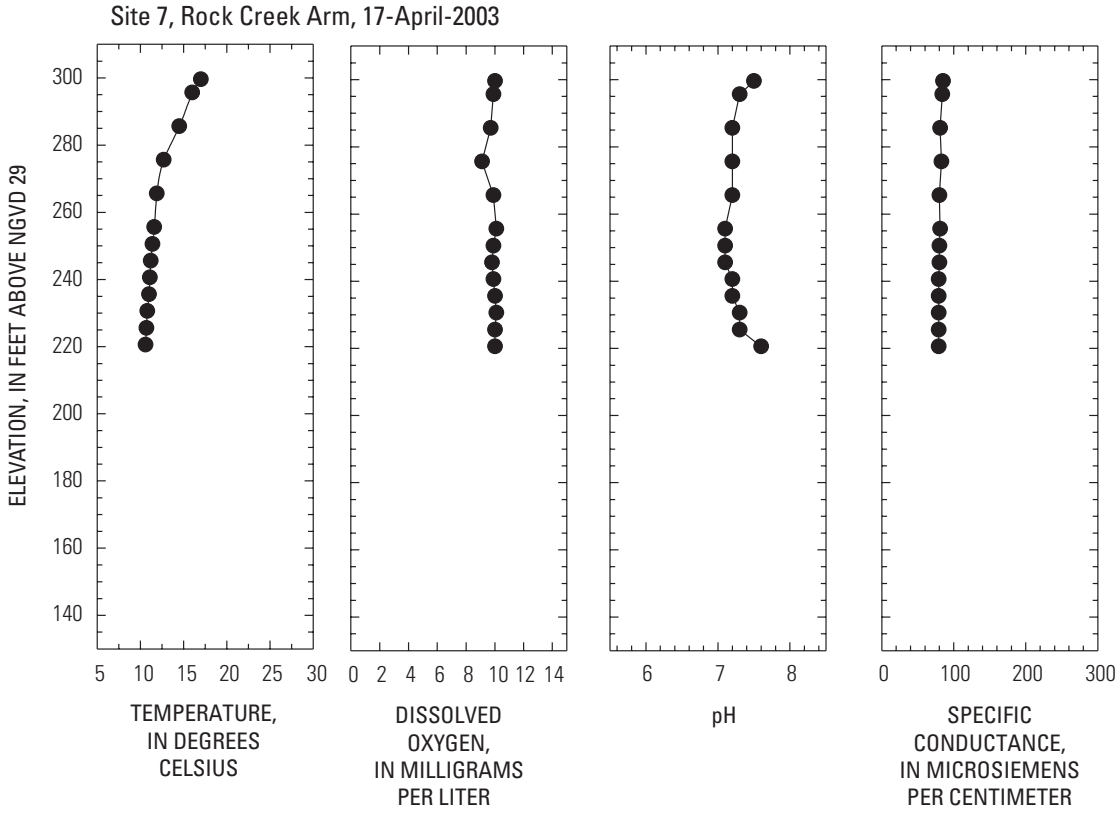

Figure D63. April 17, 2003, Site 7, Rock Creek Arm.

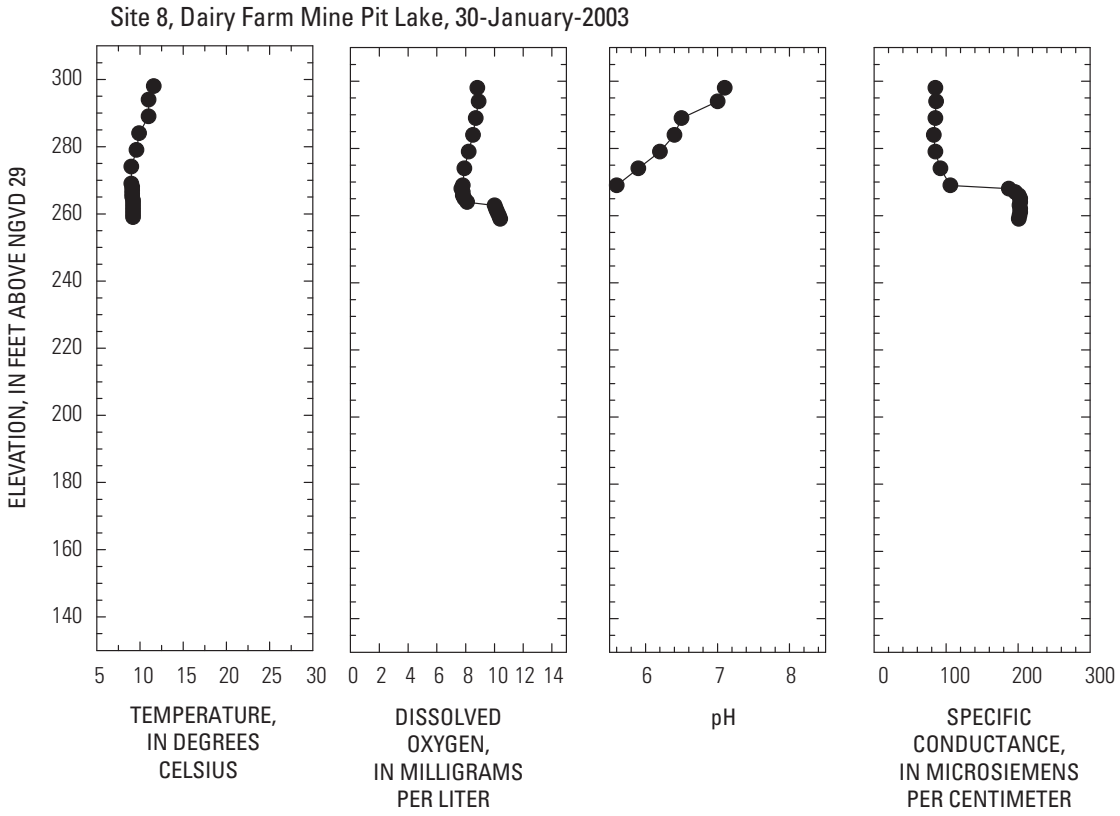

Figure D64. January 30 2003, Site 8, Dairy Farm Mine Pit Lake.

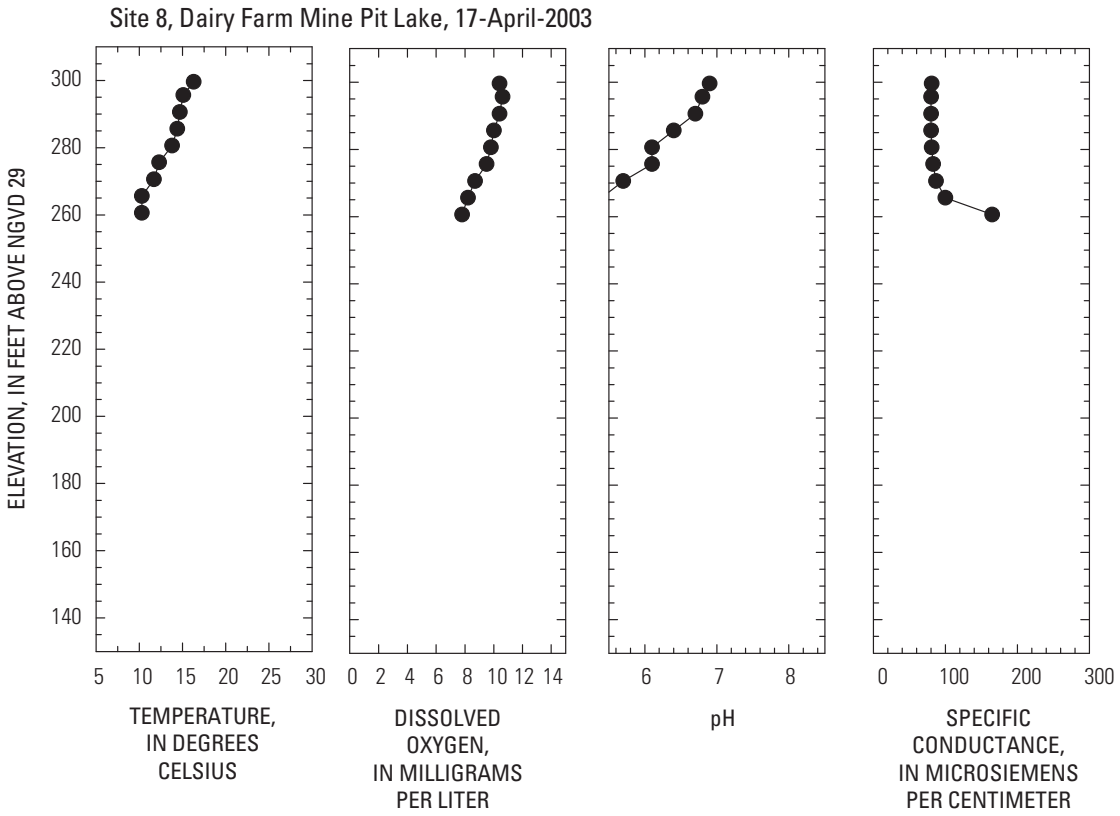

Figure D65. April 17, 2003, Site 8, Dairy Farm Mine Pit Lake.

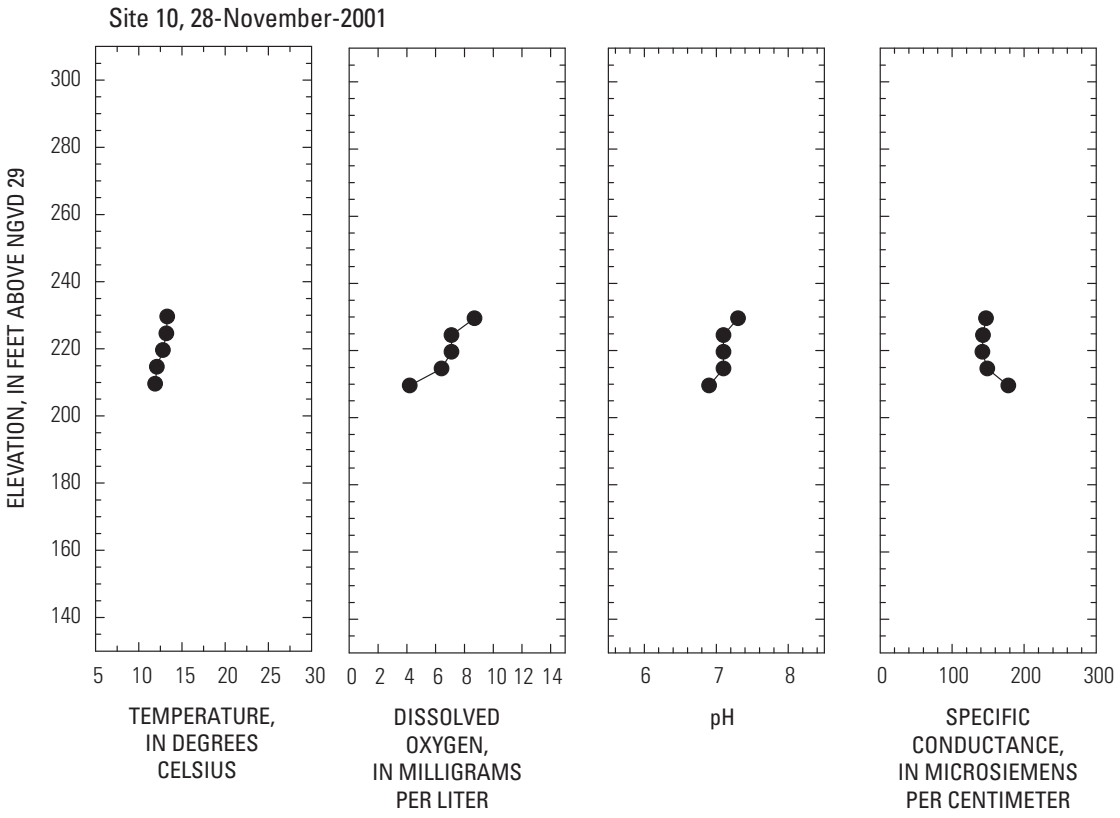

Figure D66. November 28 2001, Site 10.

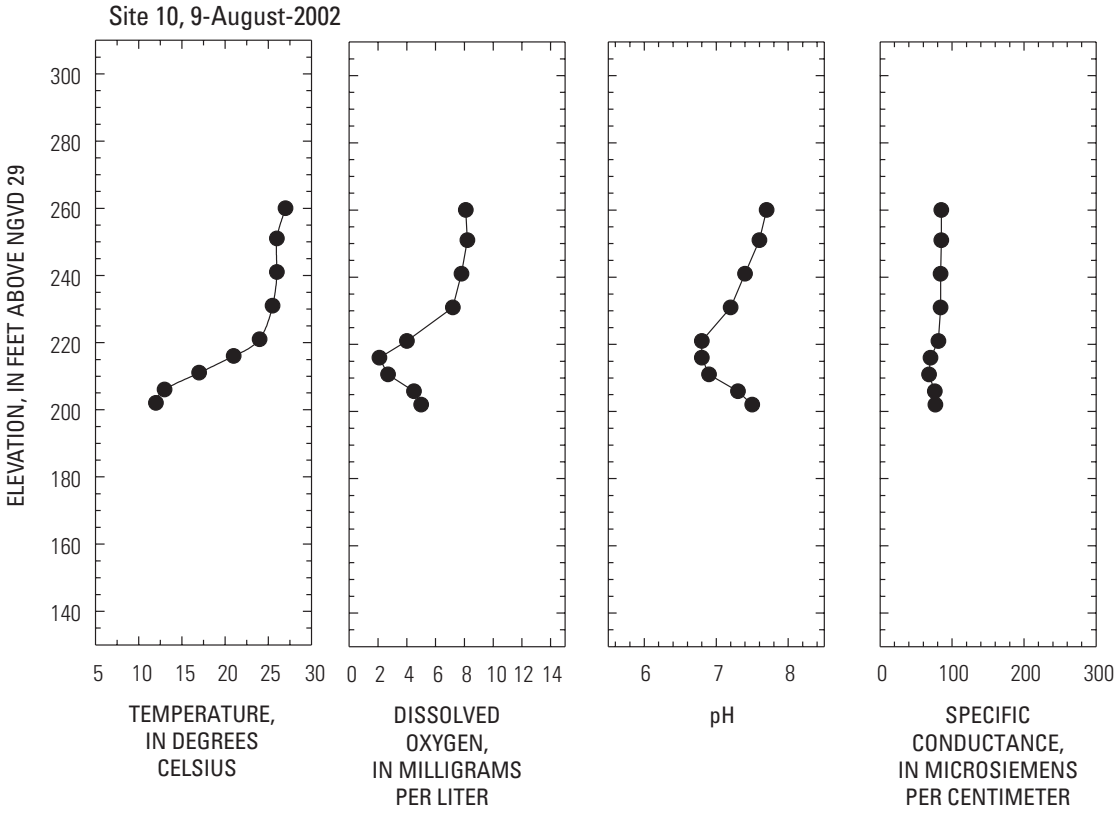

Figure D67. August 9, 2002, Site 10.

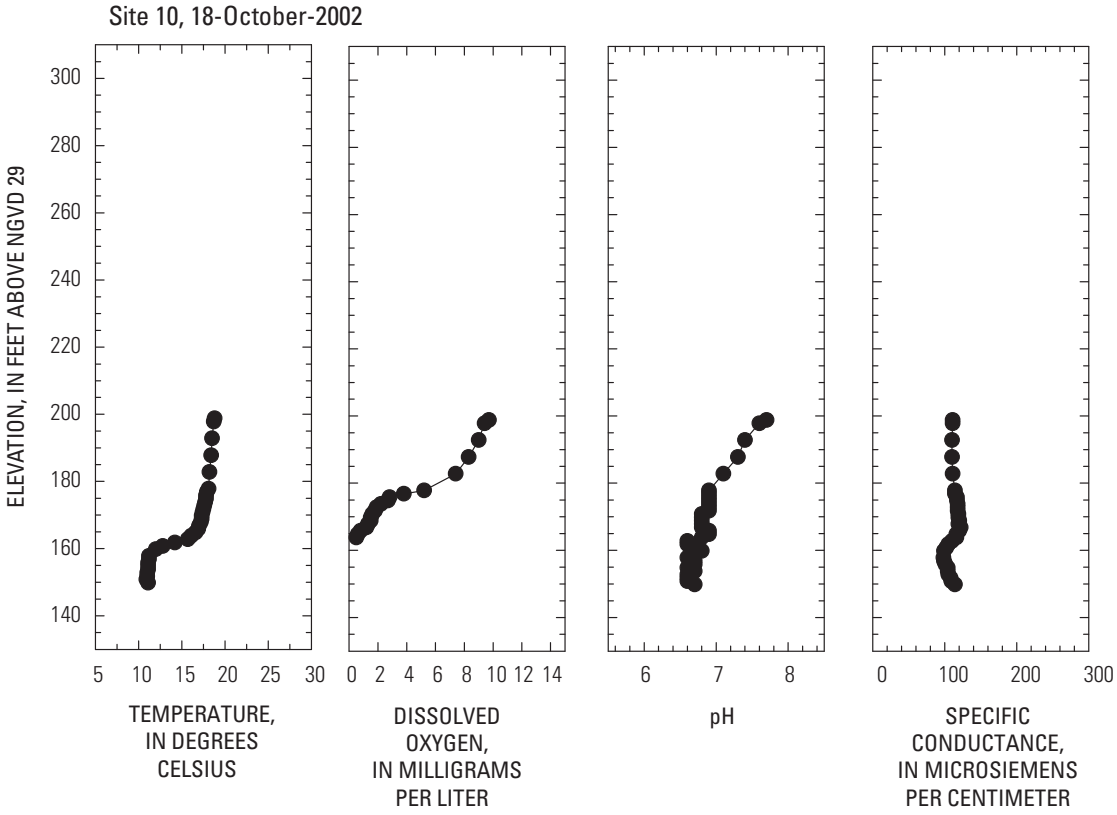

Figure D68. October 18, 2002, Site 10.

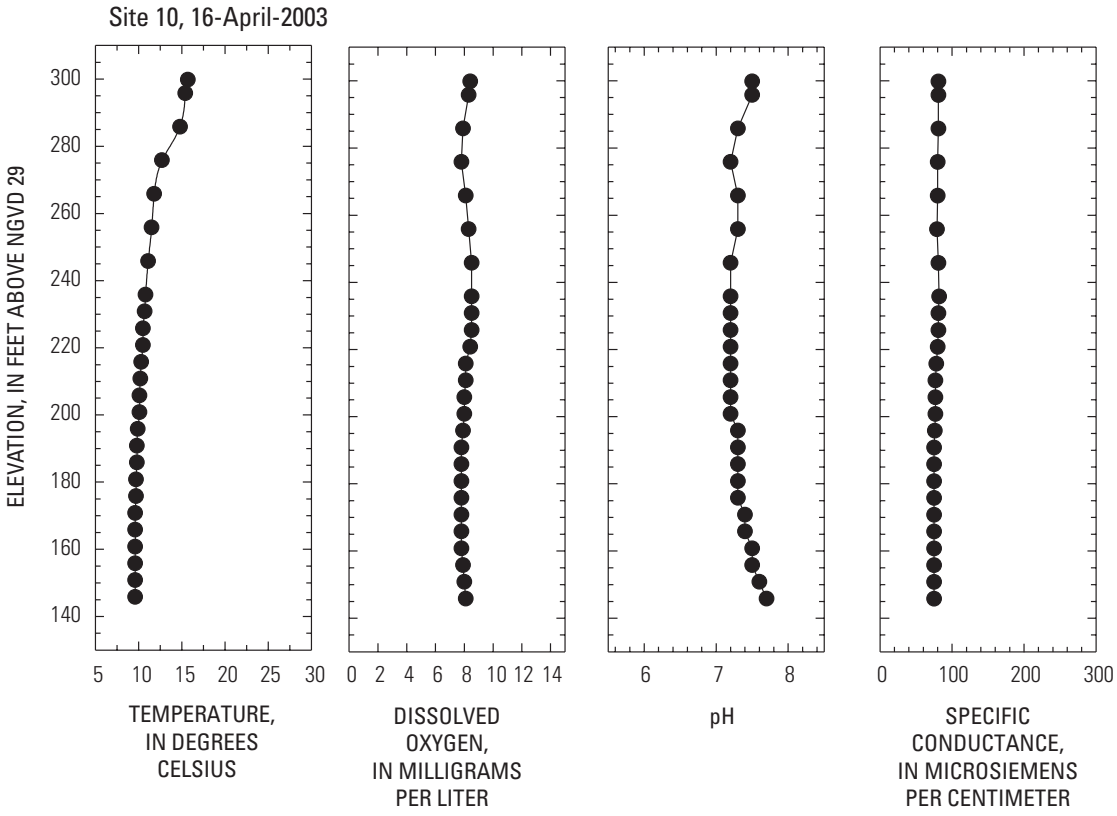

Figure D69. April 16, 2003, Site 10.

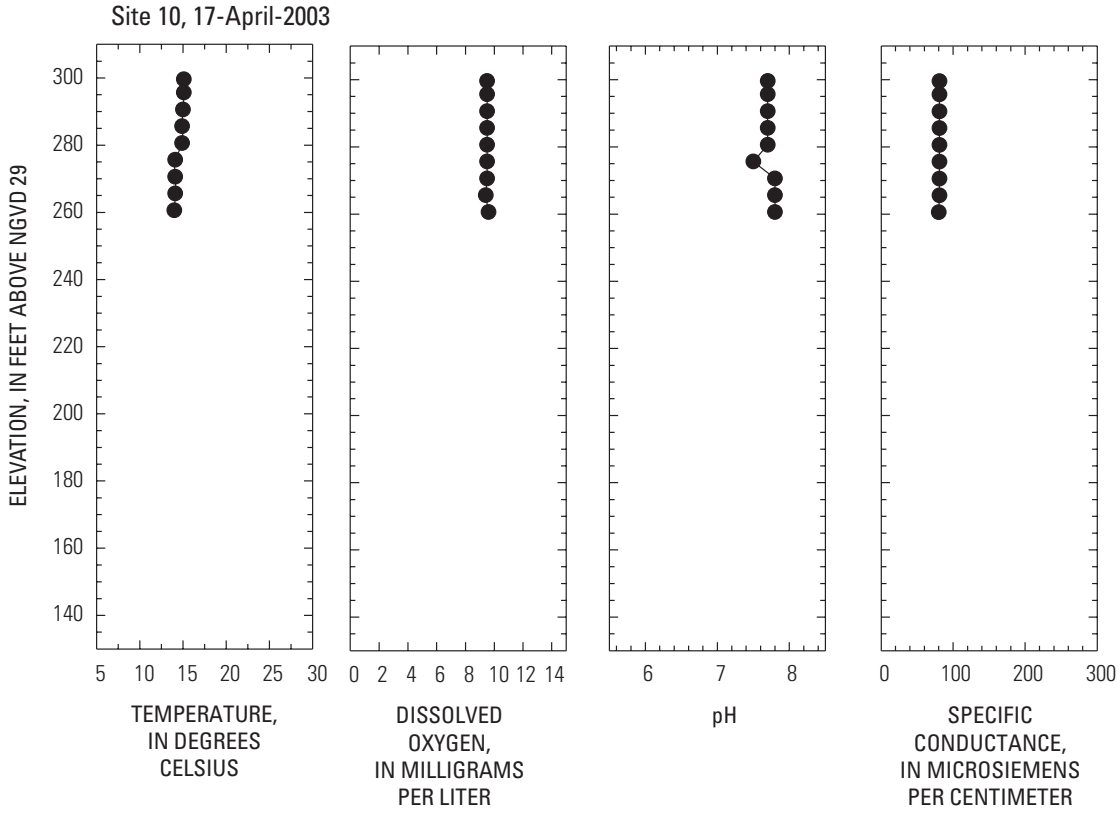

Figure D70. April 17, 2003, Site 10.

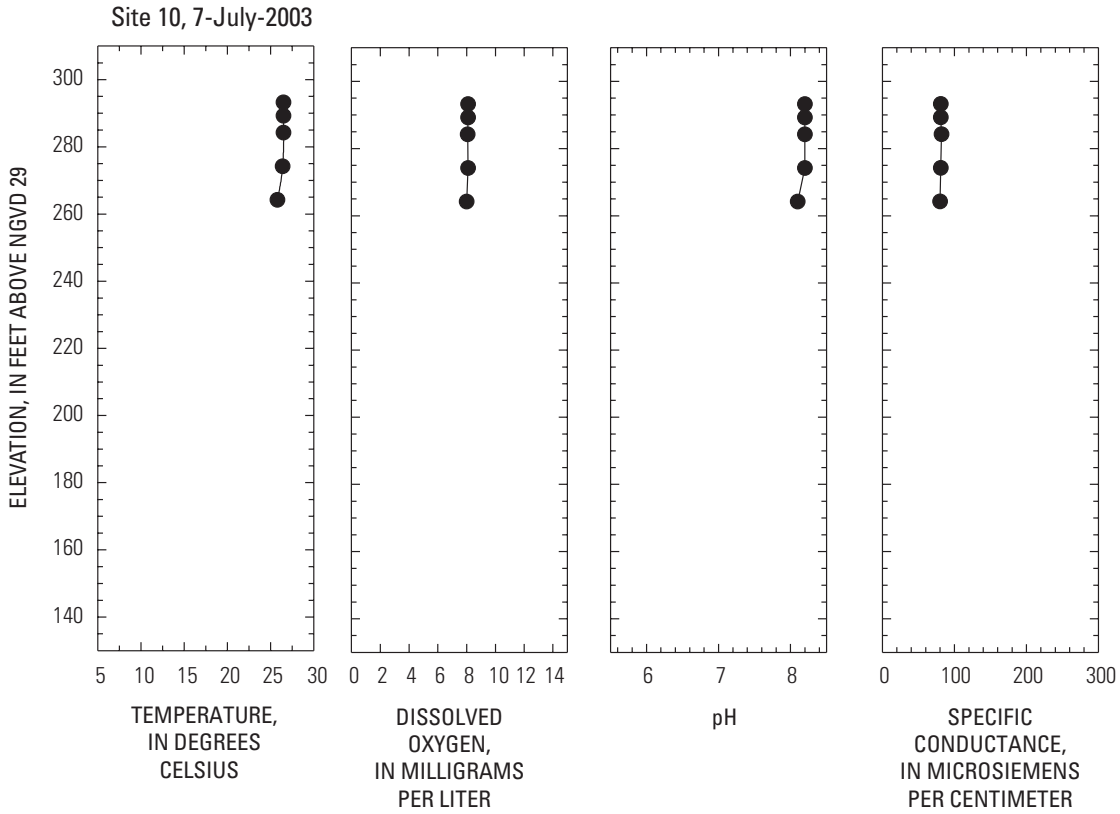

Figure D71. July 7, 2003, Site 10.

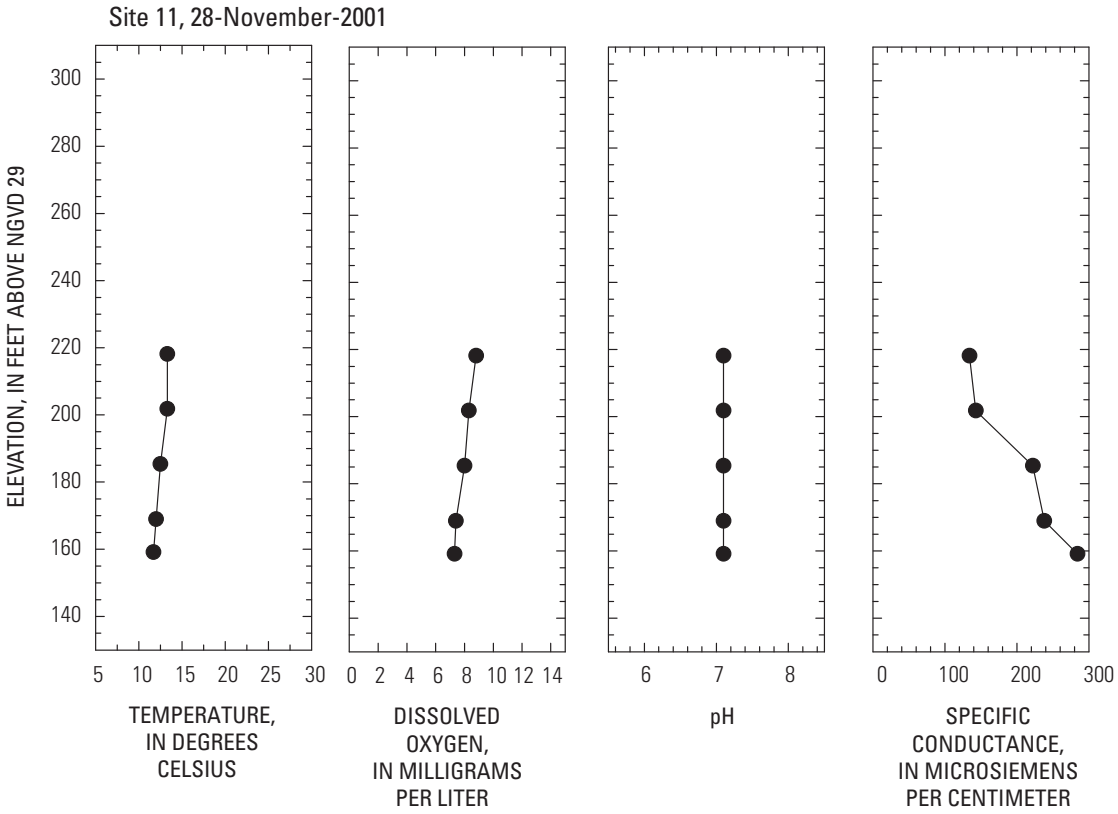

Figure D72. November 28, 2001, Site 11.

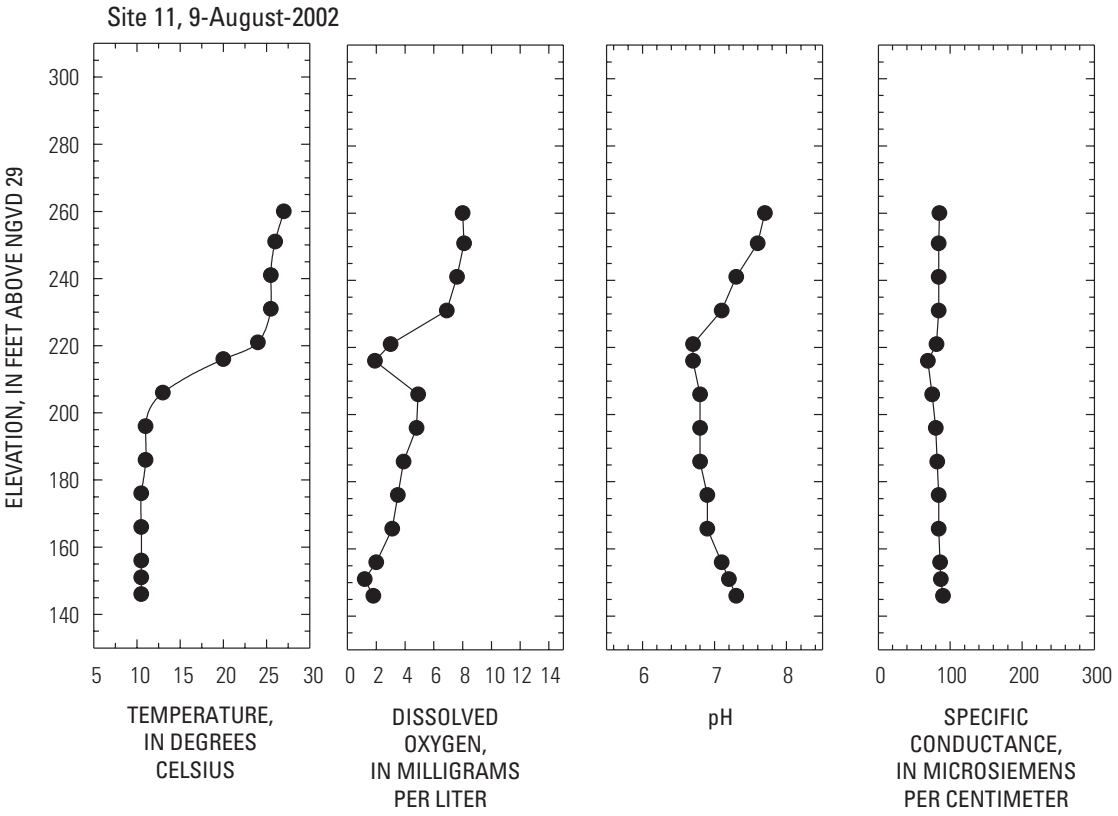

Figure D73. August 9, 2002, Site 11.

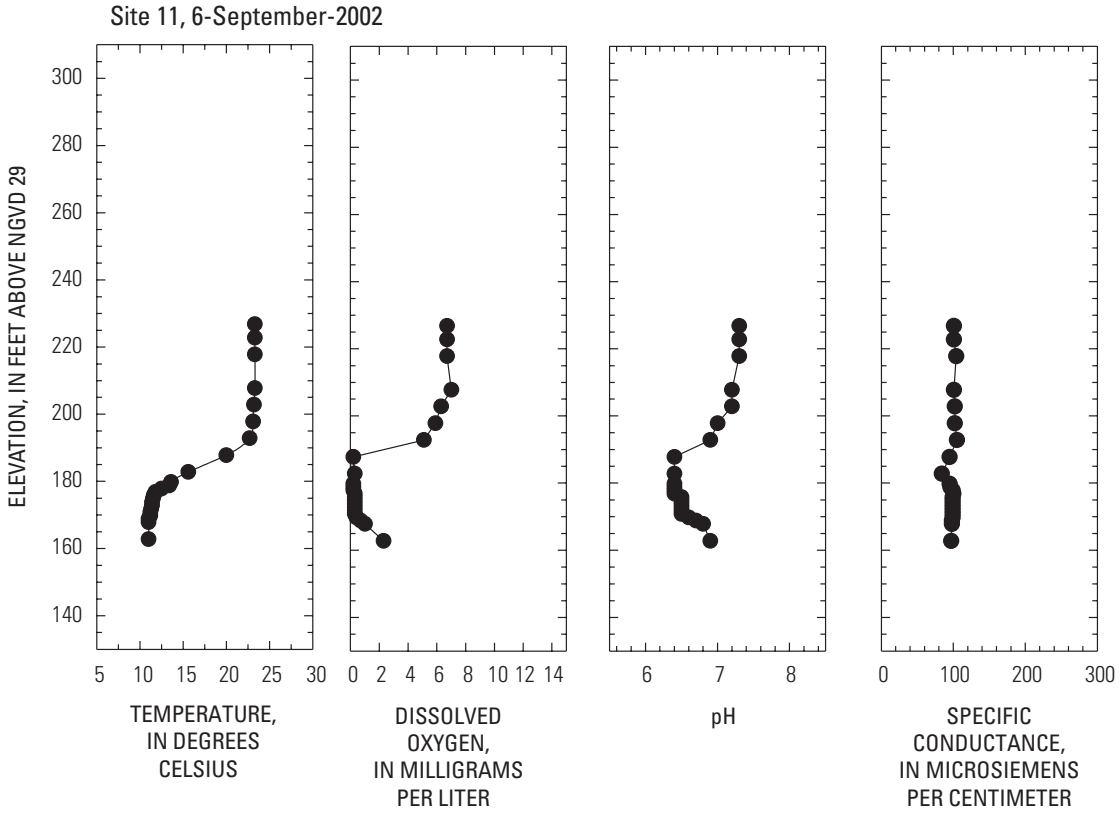

Figure D74. September 6, 2002, Site 11.

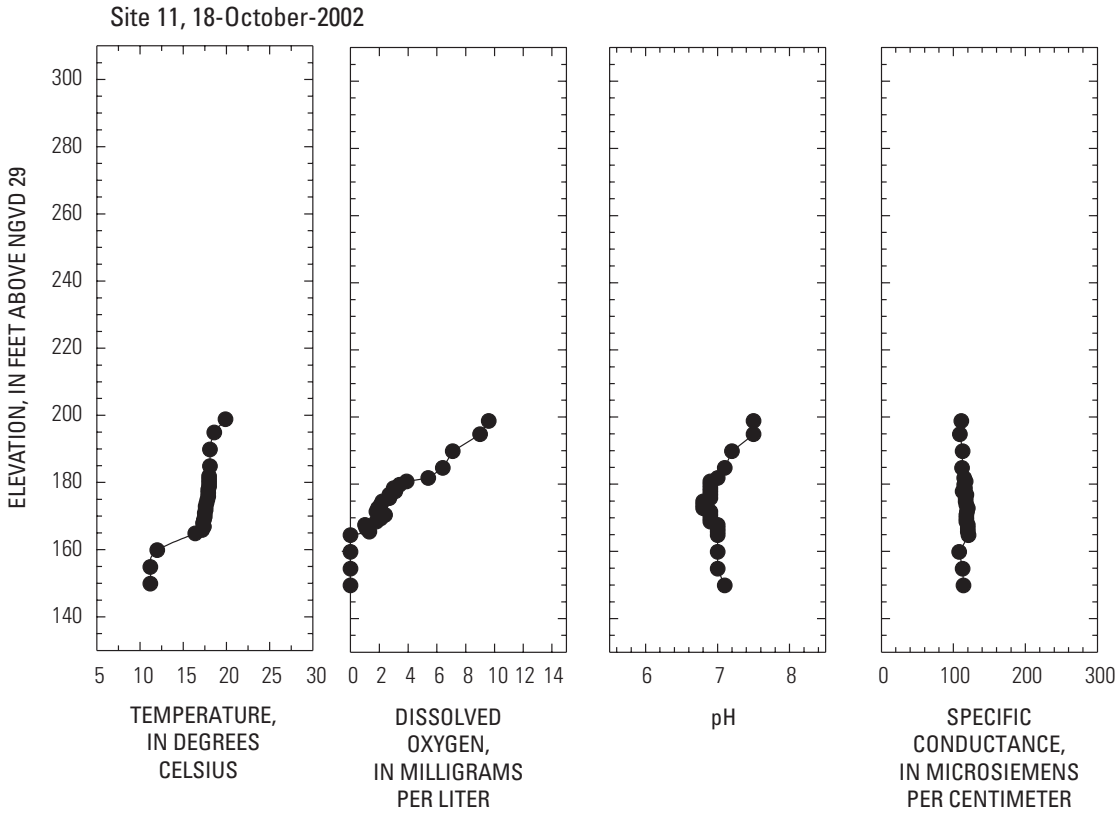

Figure D75. October 18, 2002, Site 11.

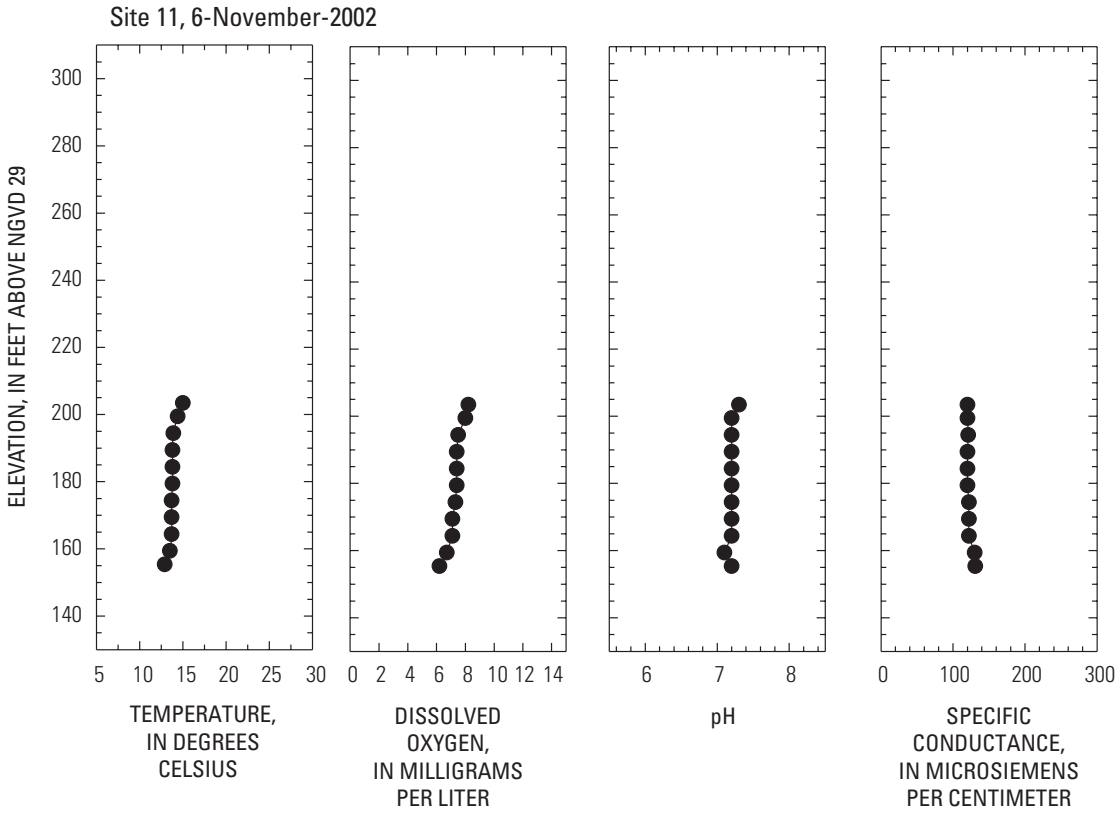

Figure D76. November 6, 2002, Site 11.

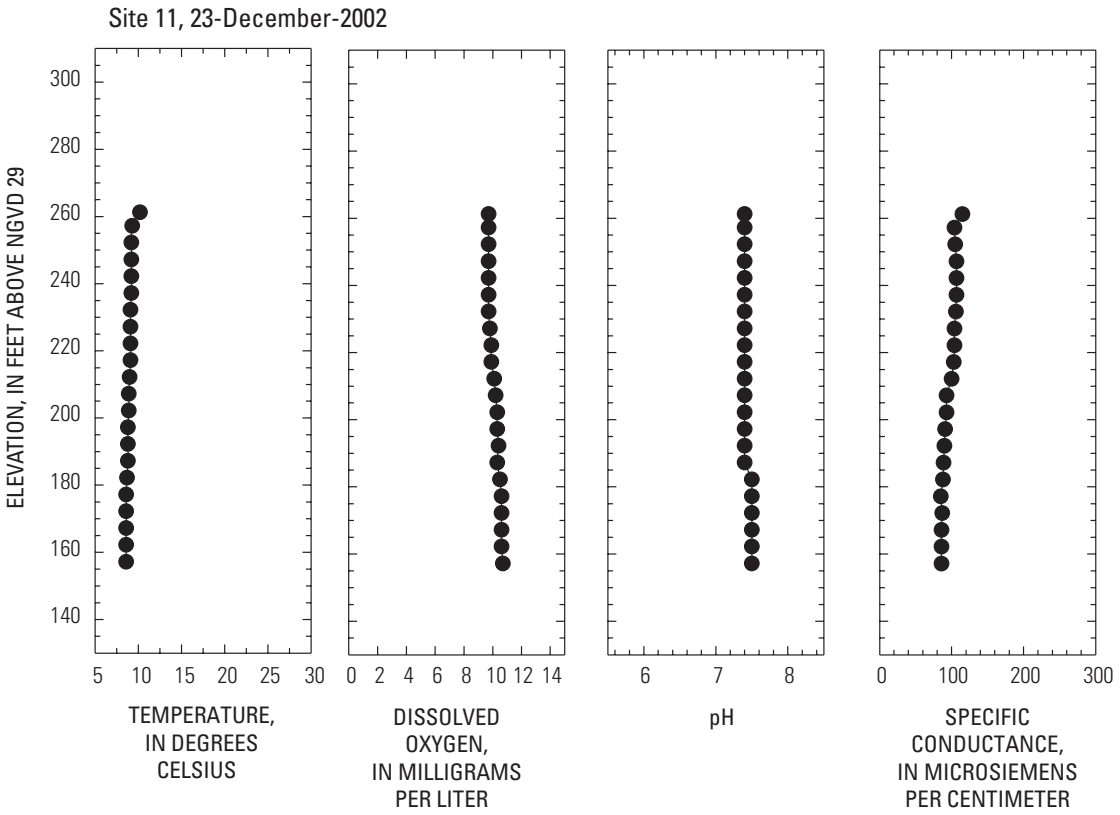

Figure D77. December 23, 2002, Site 11.

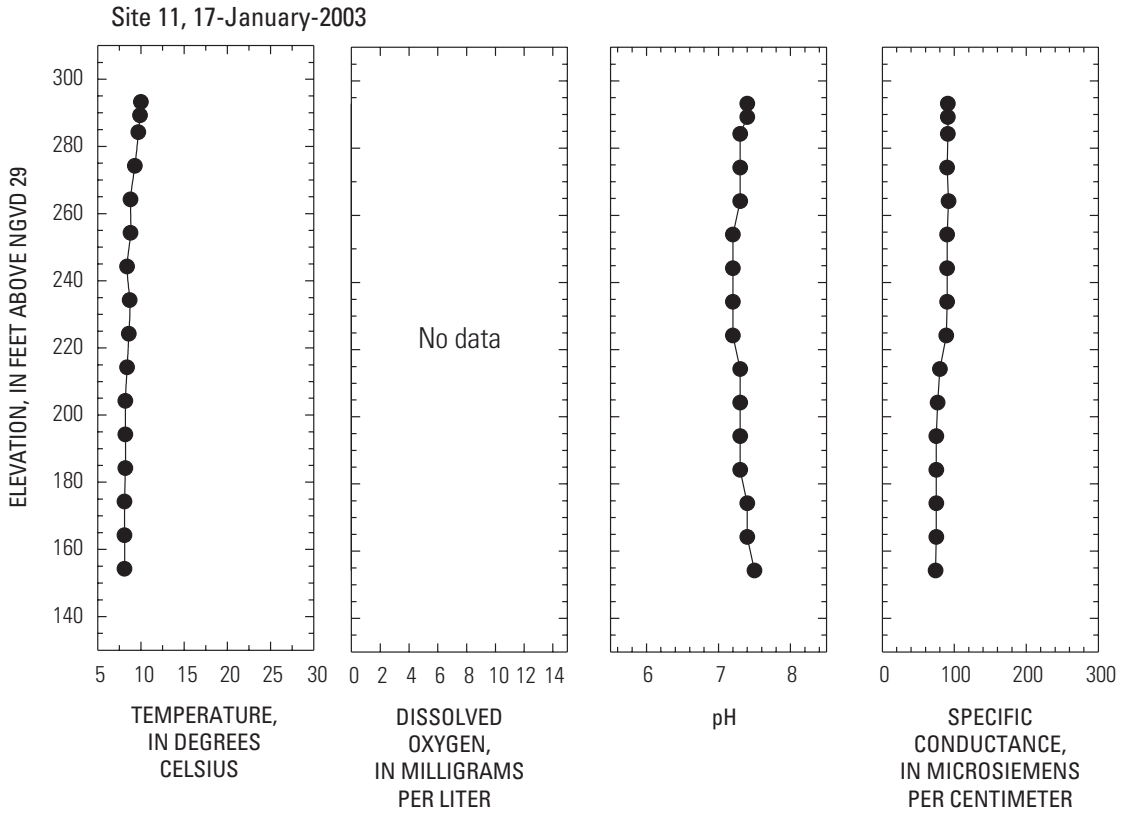

Figure D78. January 17, 2003, Site 11.

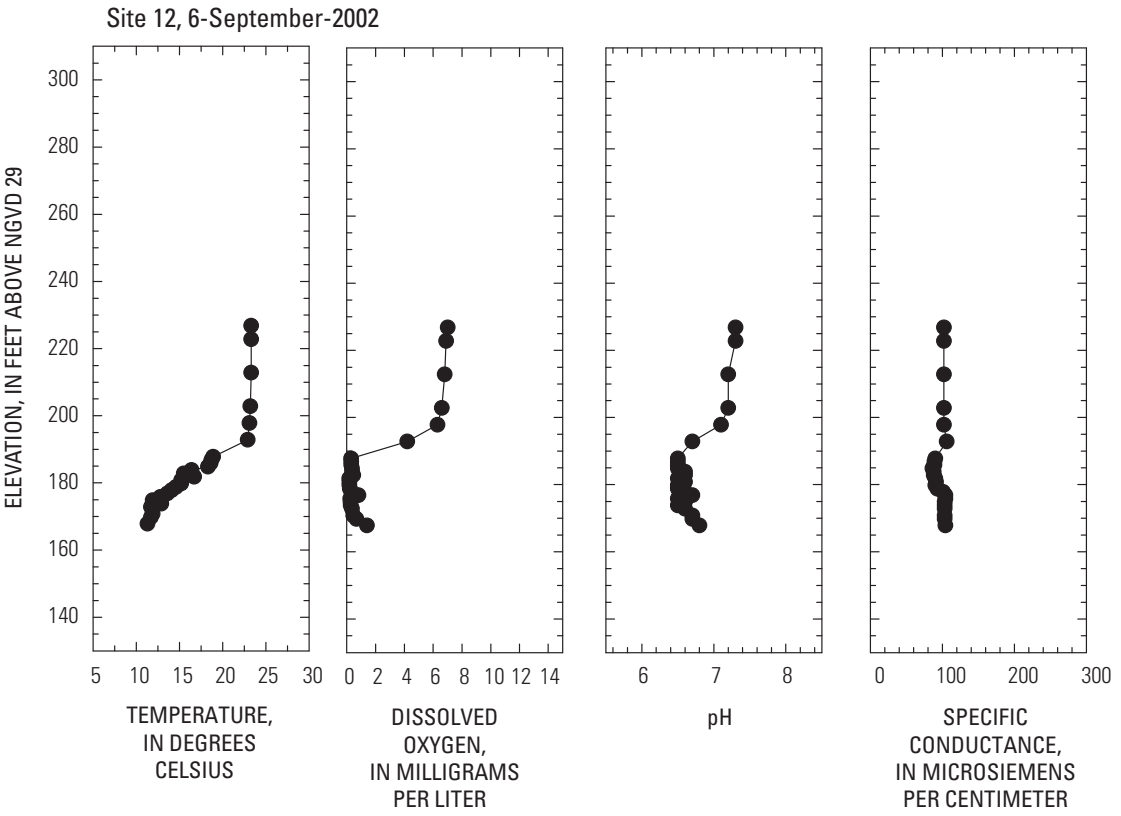

Figure D79. September 6, 2002, Site 12.

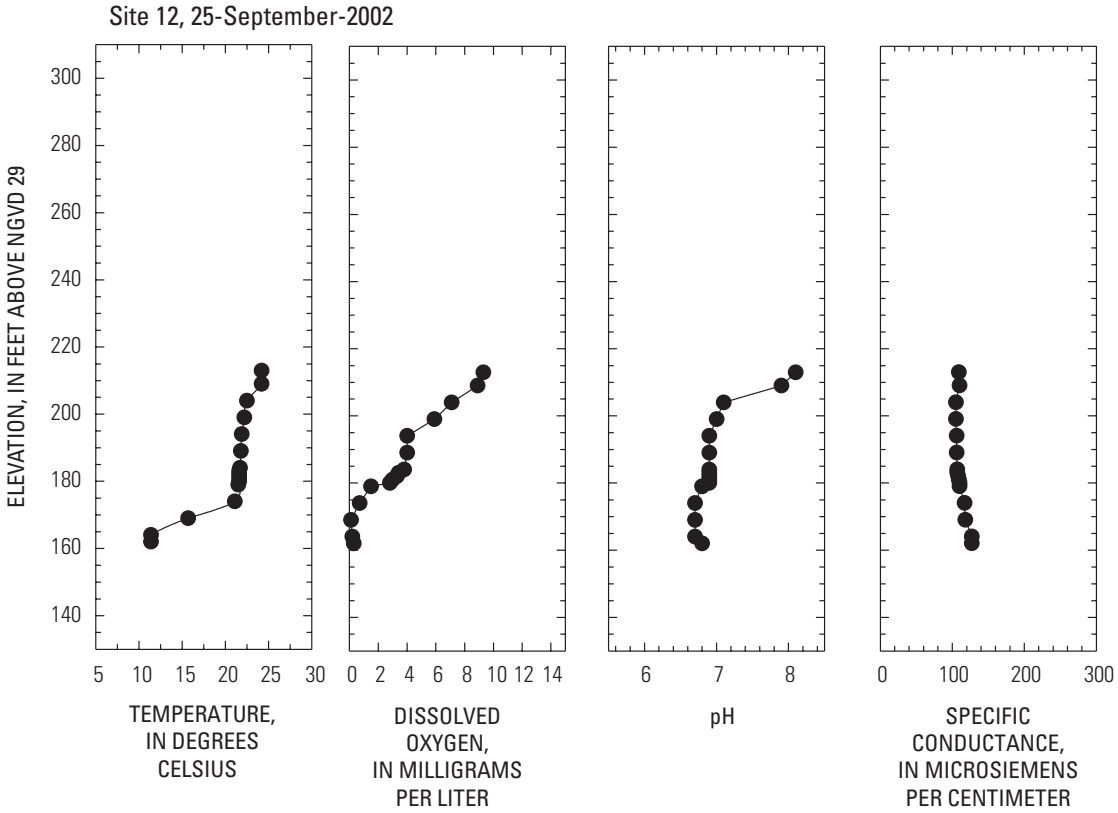

Figure D80. September 25, 2002, Site 12.

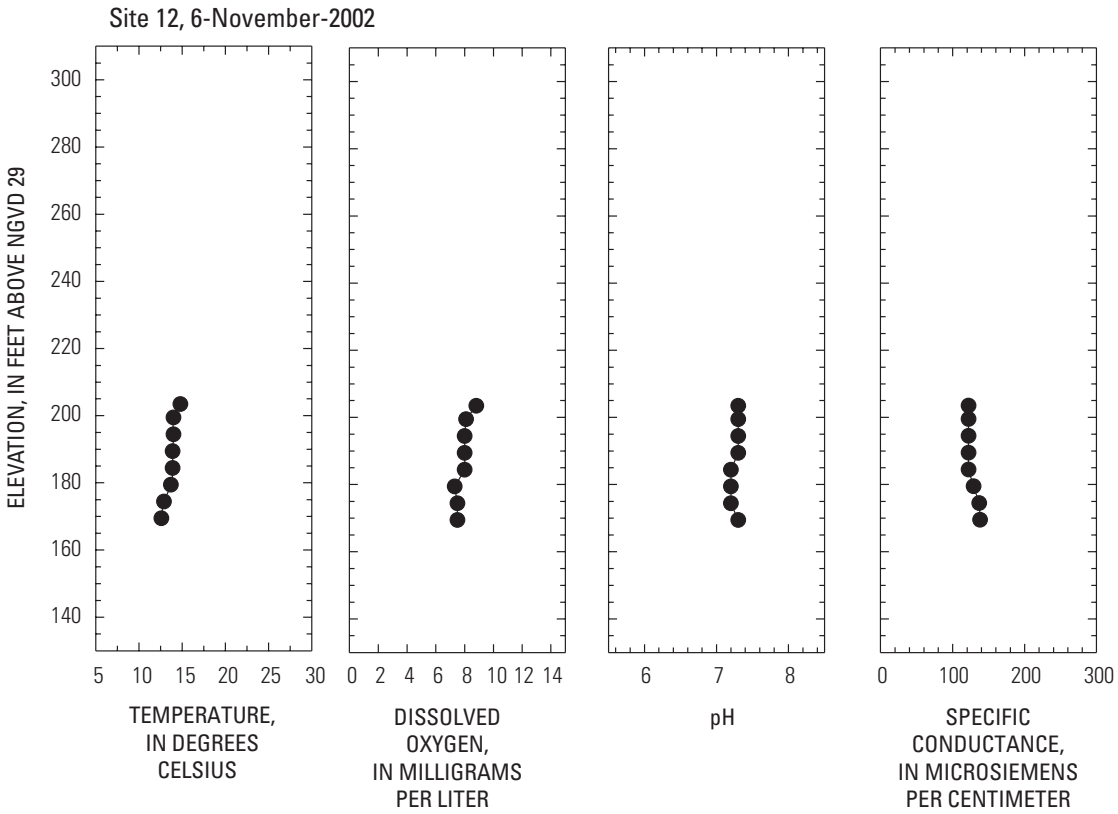

Figure D81 November 6, 2002, Site 12.

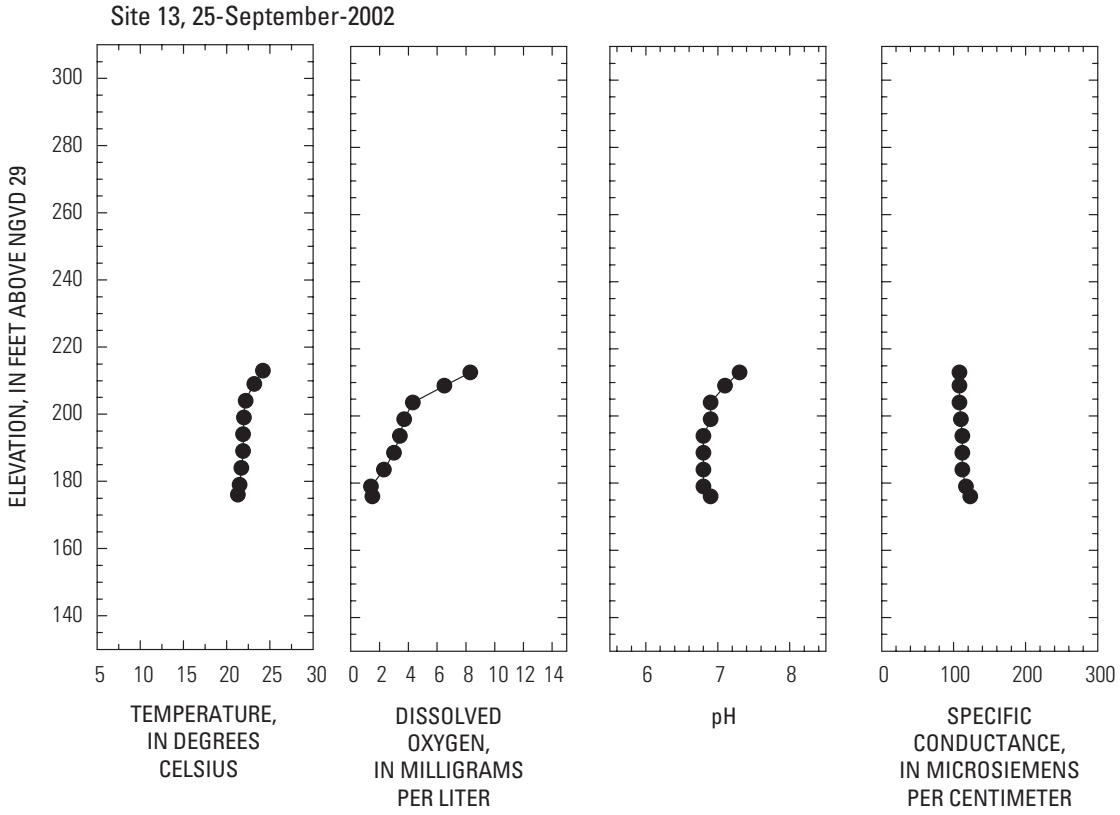

Figure D82. September 25, 2002, Site 13.

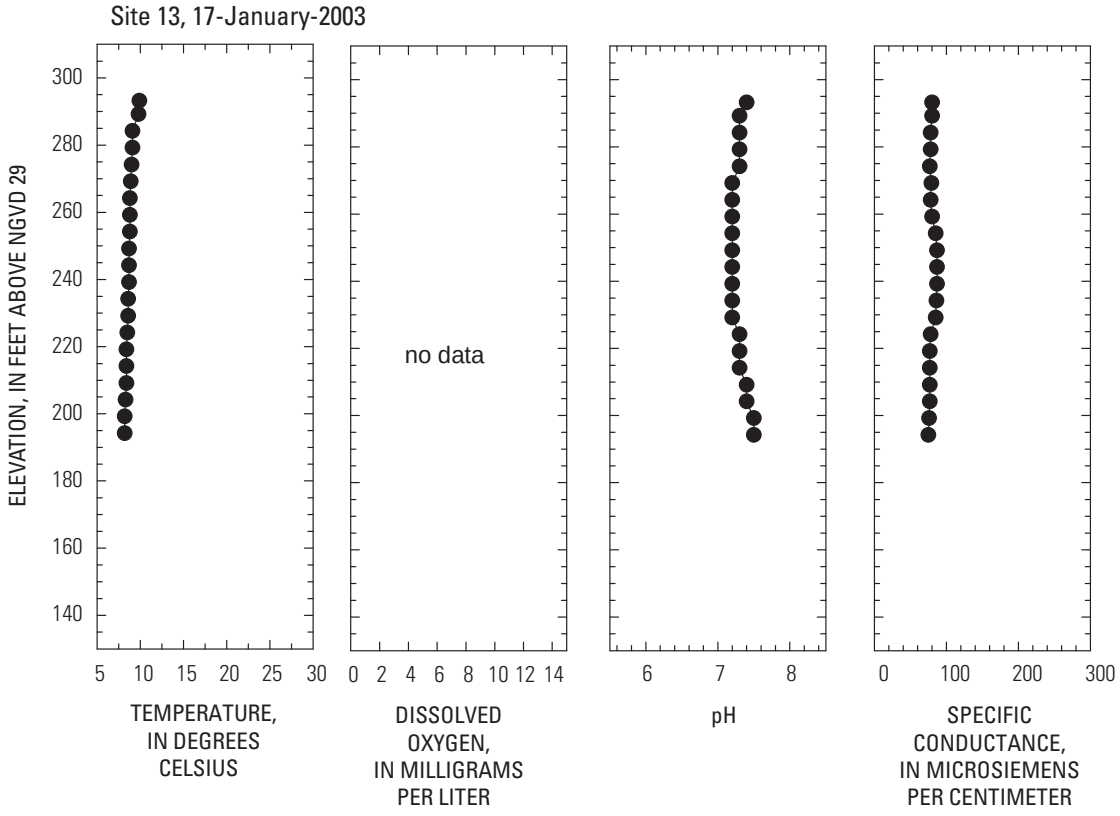

Figure D83. January 17, 2003, Site 13.

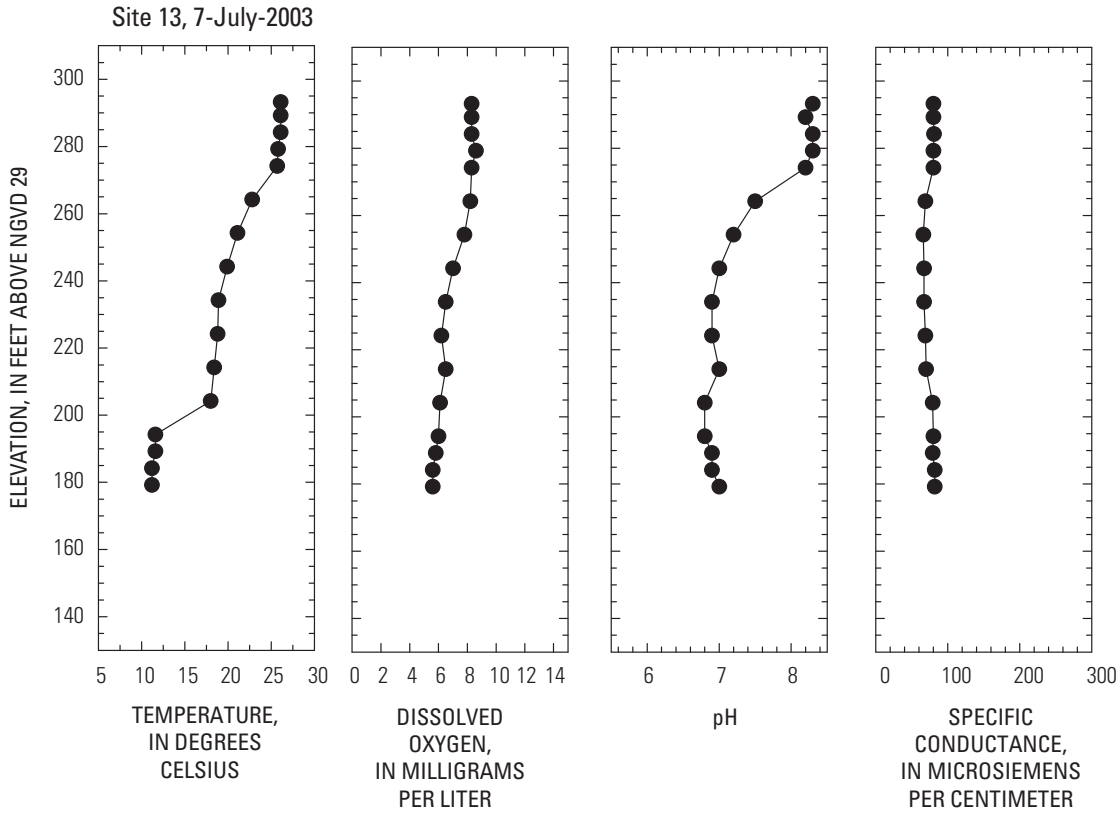

Figure D84. July 7, 2003, Site 13.

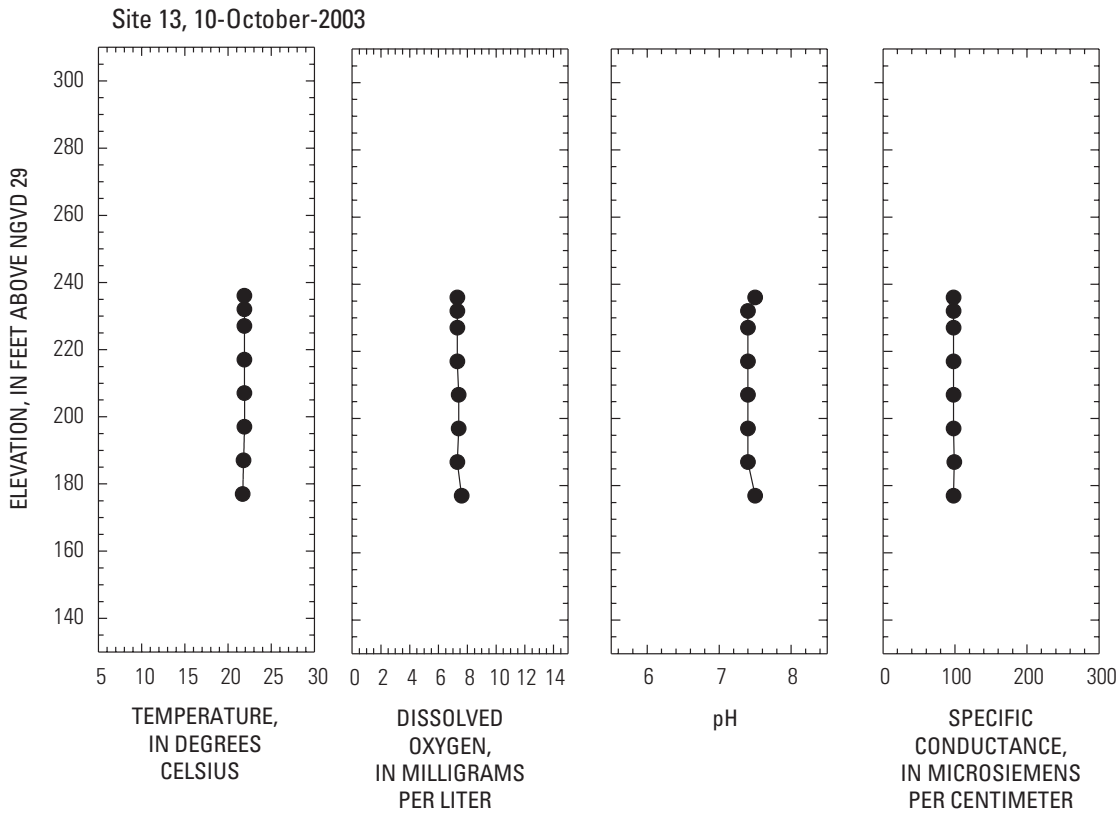

Figure D85. October 10, 2003, Site 13.

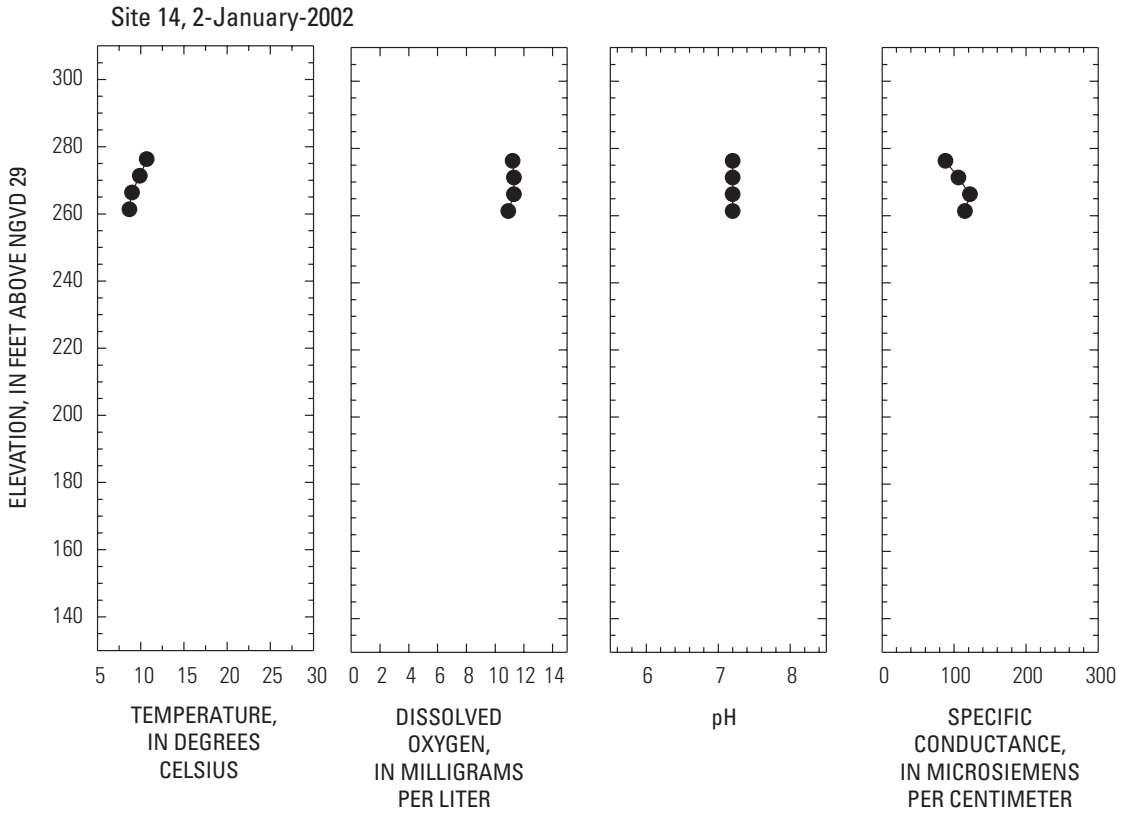

Figure D86. January 2, 2002, Site 14.

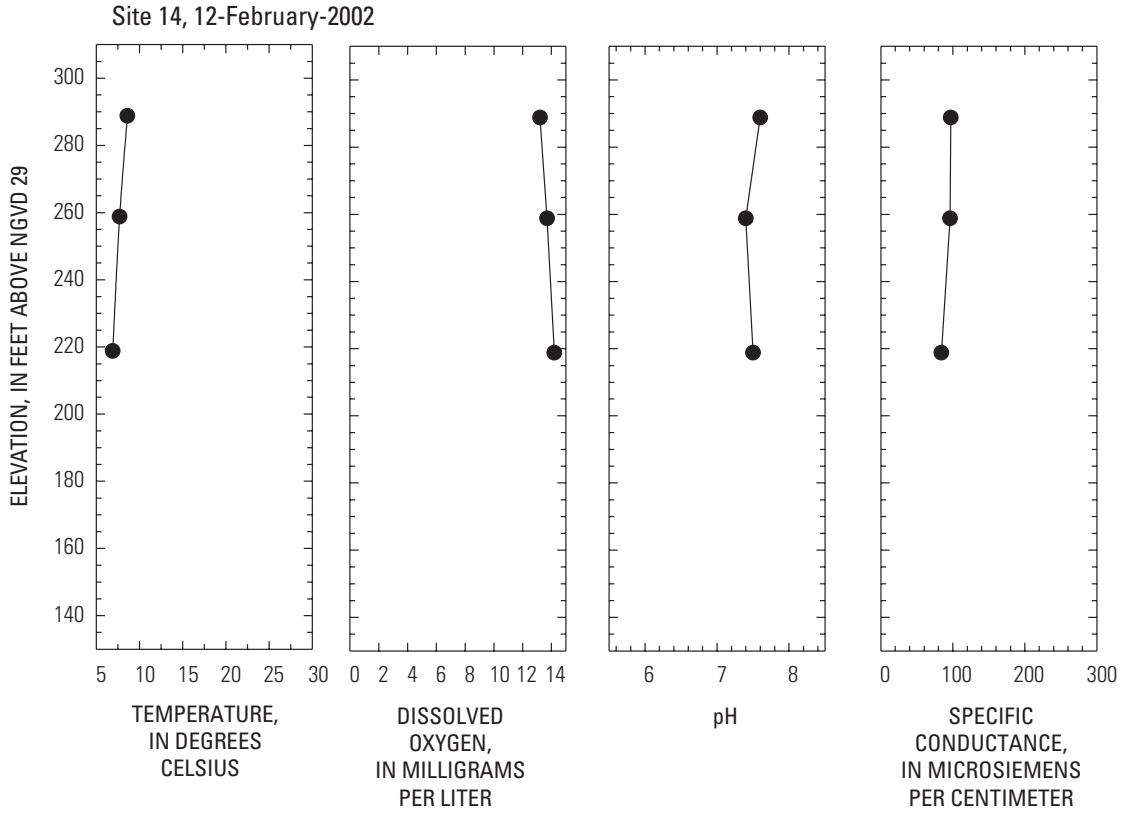

Figure D87. February 12, 2002, Site 14.

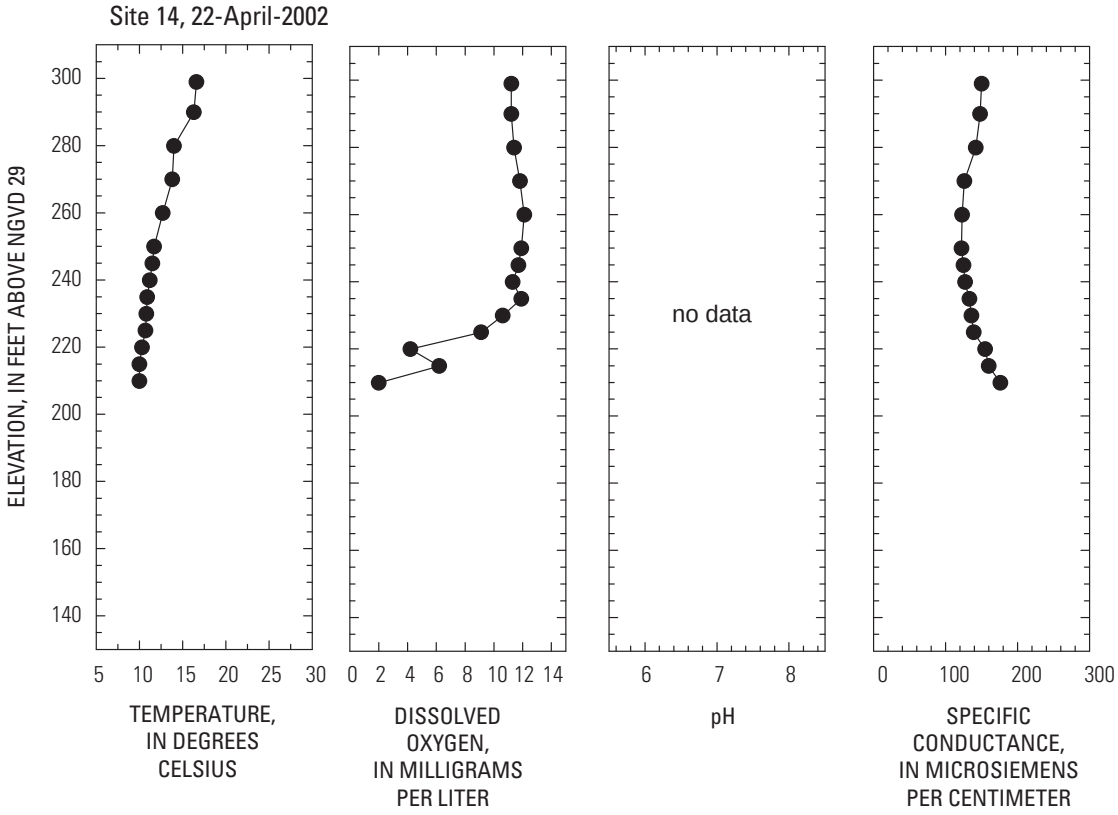

Figure D88. April 22, 2002, Site 14.

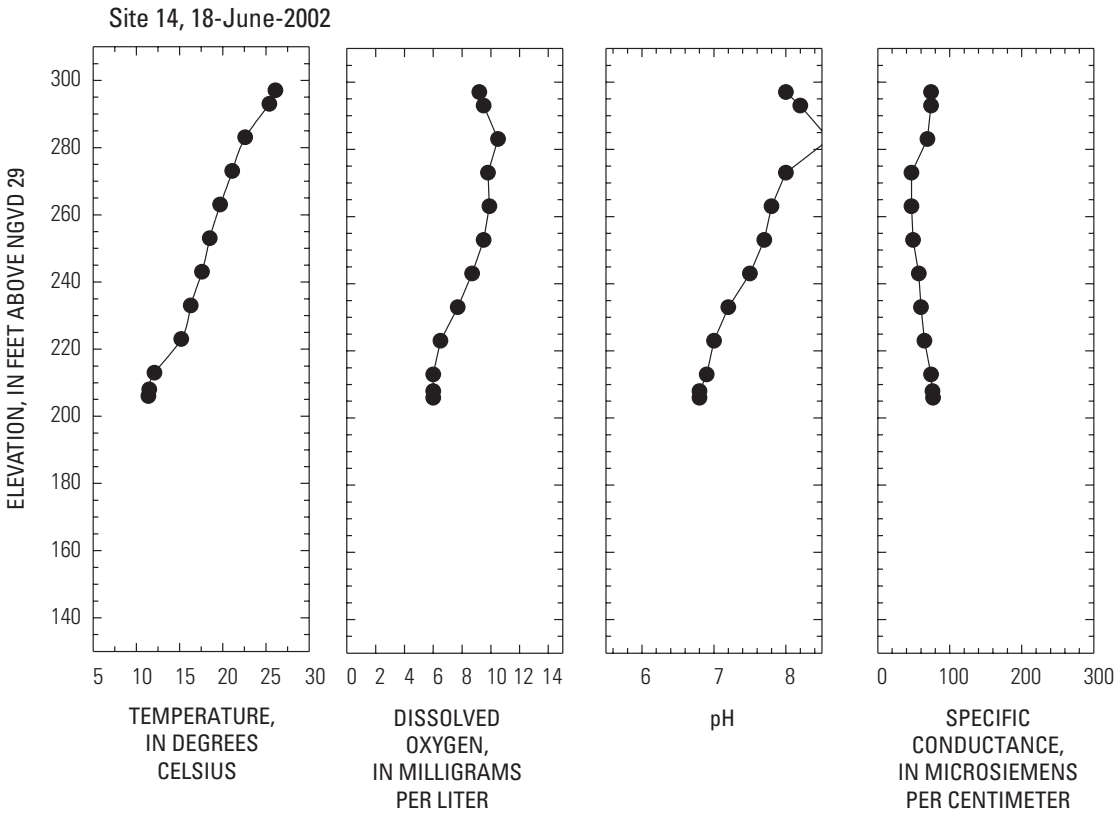

Figure D89. June 18, 2002, Site 14.

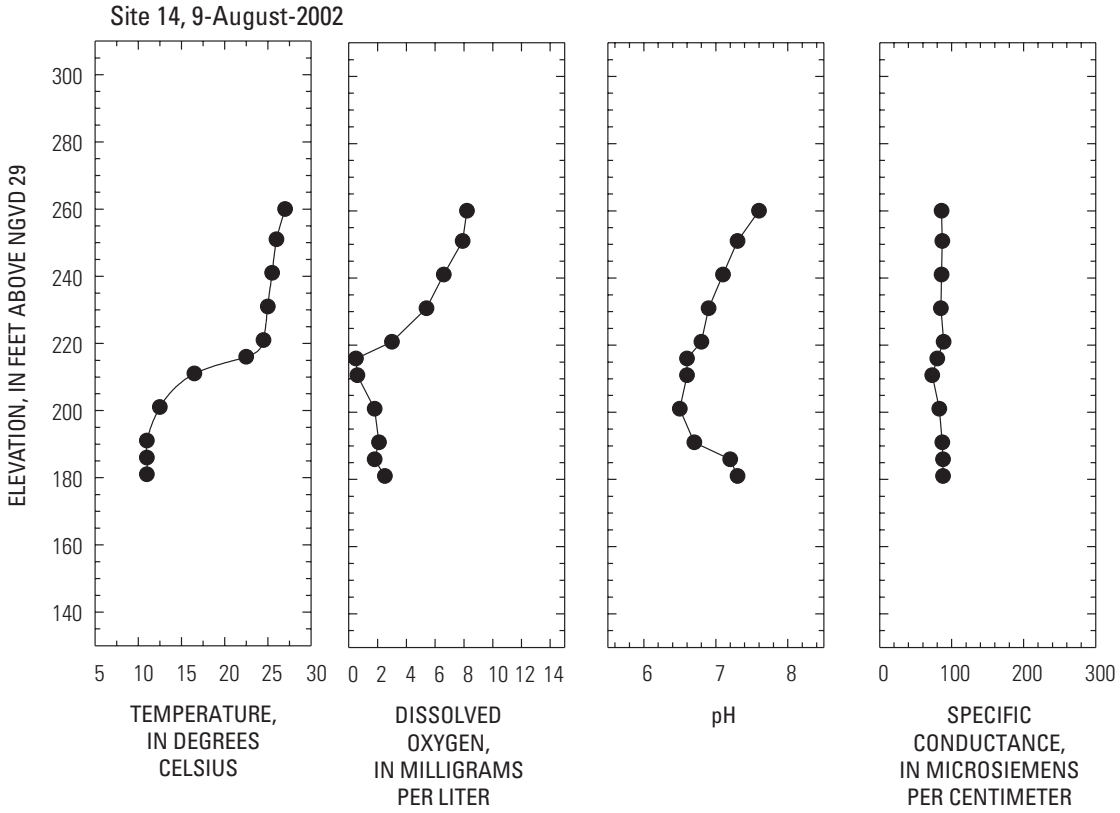

Figure D90. August 9, 2002, Site 14.

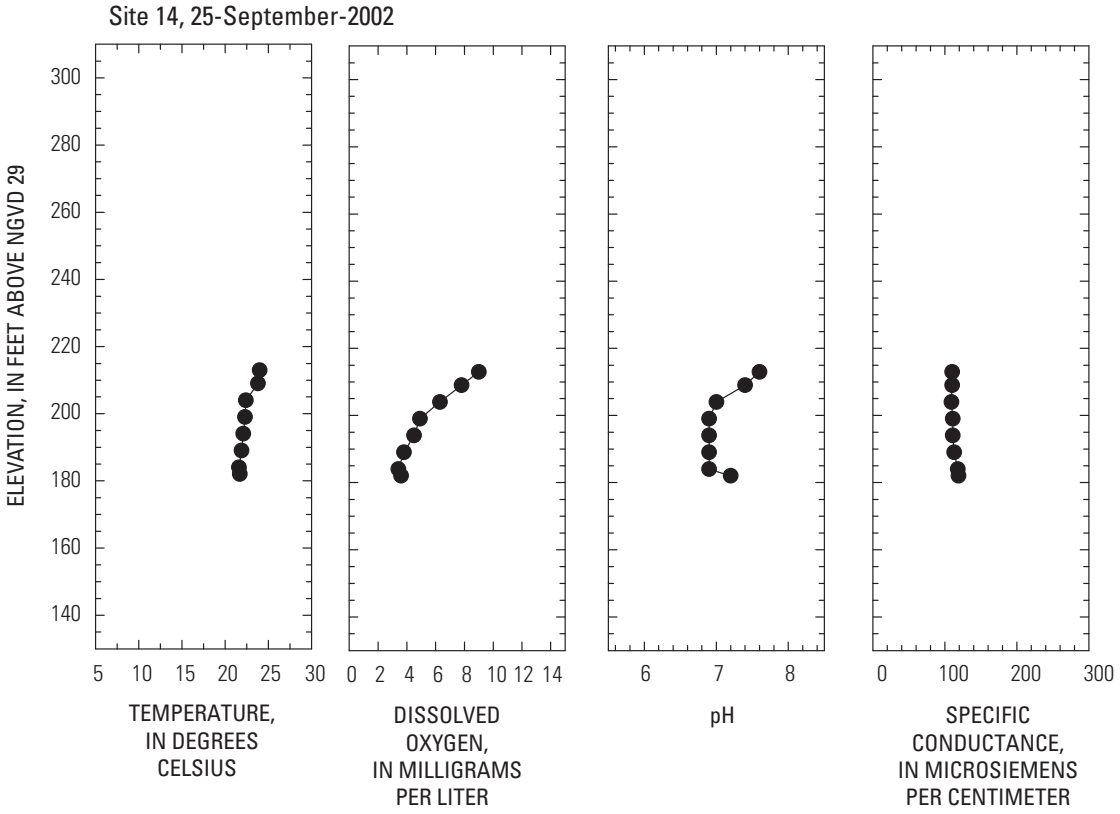

Figure D91. September 25, 2002, Site 14.

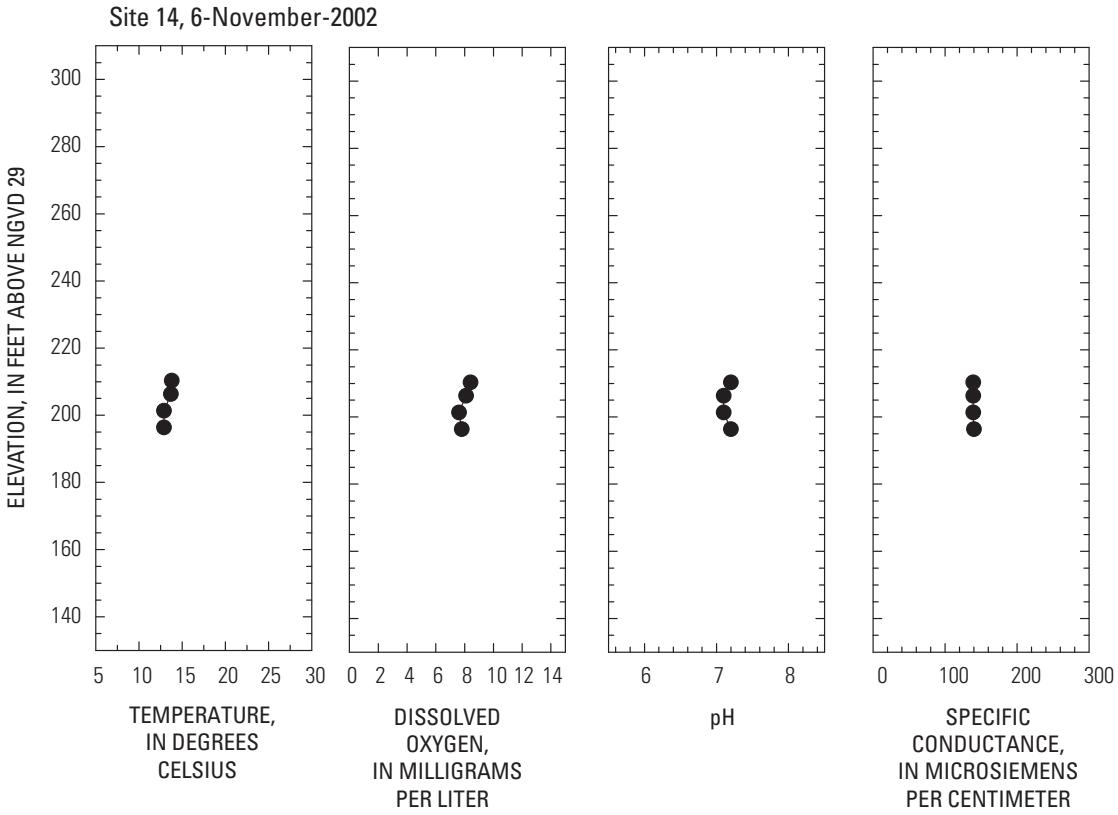

Figure D92. November 6, 2002, Site 14.

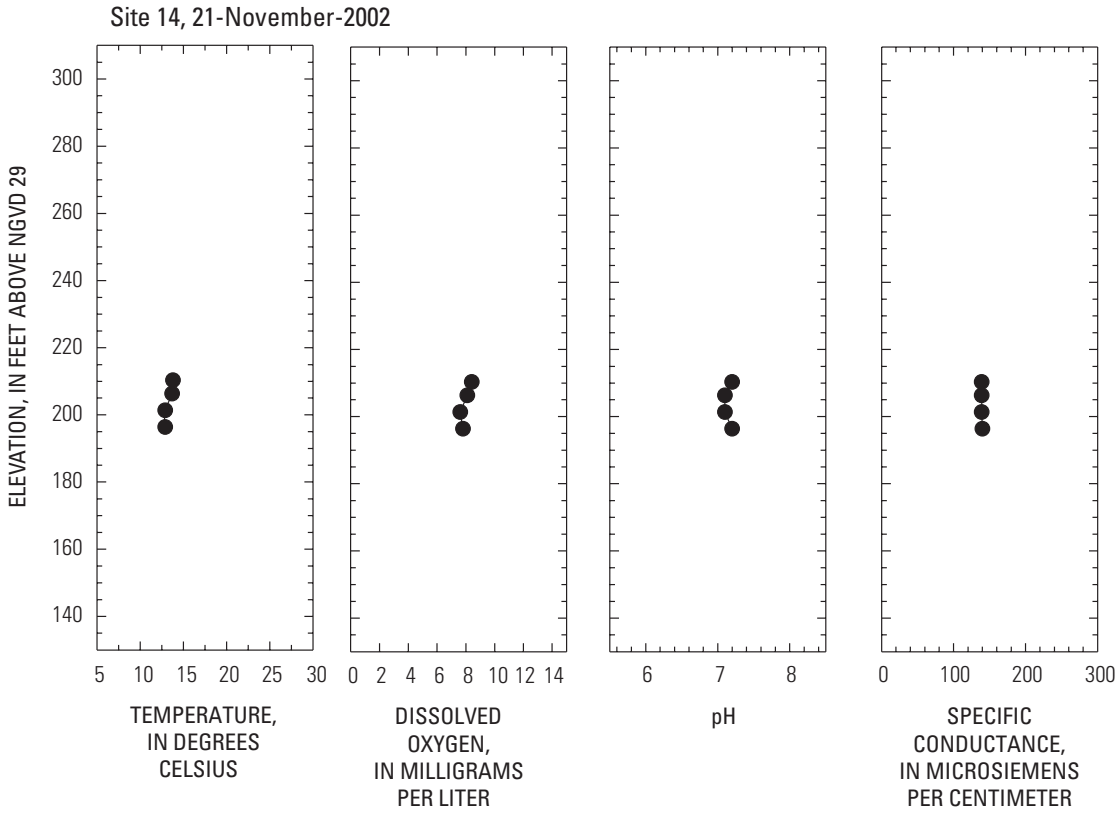

Figure D93. November 21, 2002, Site 14.

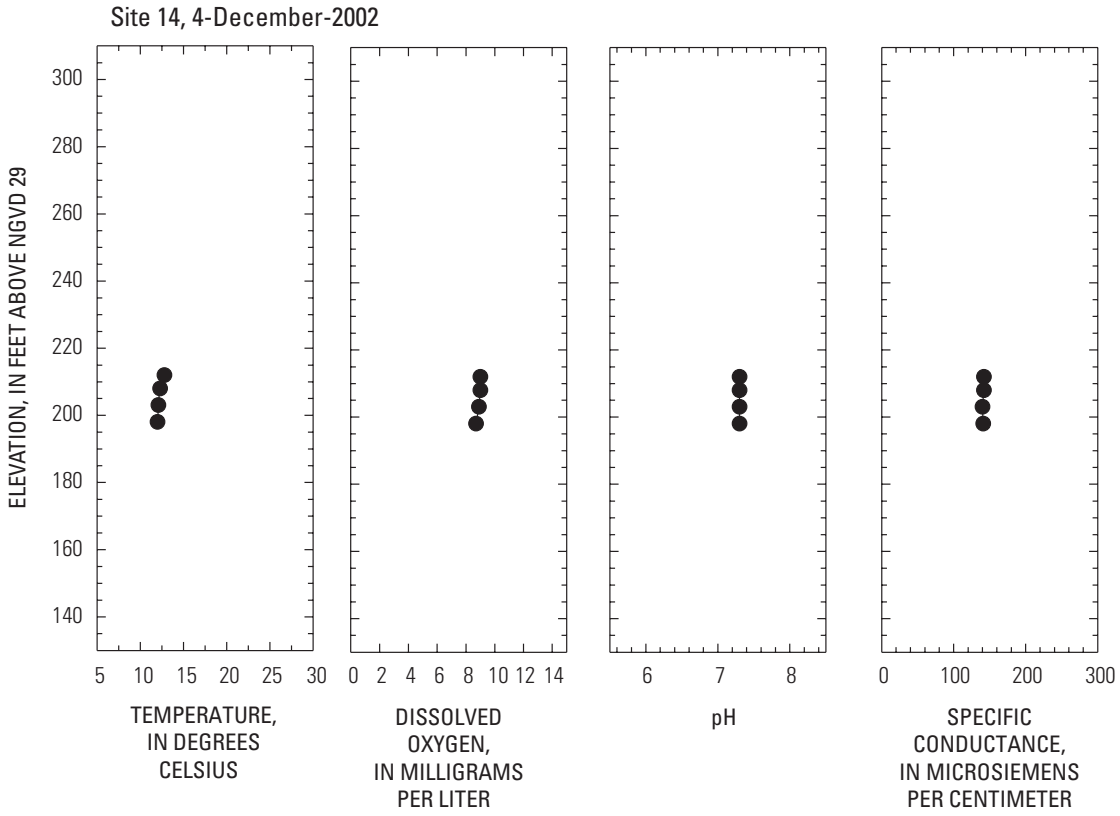

Figure D94. December 4, 2002, Site 14.

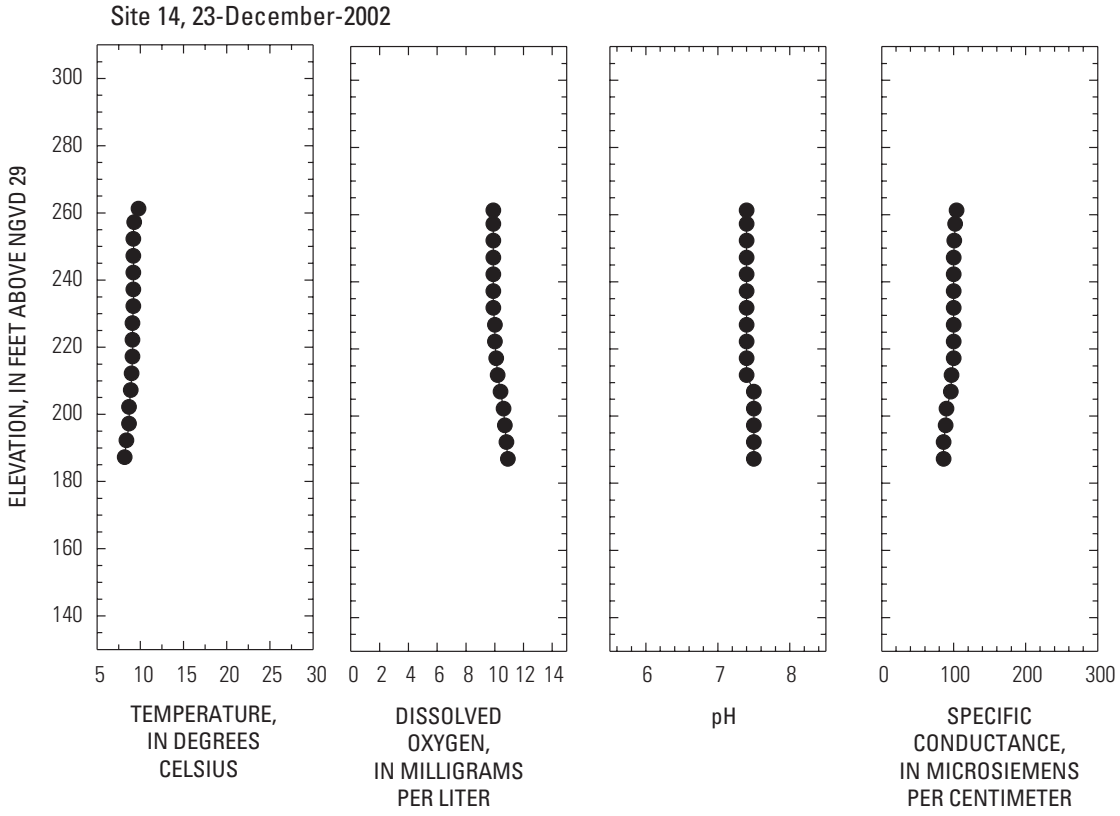

Figure D95. December 23, 2002, Site 14.

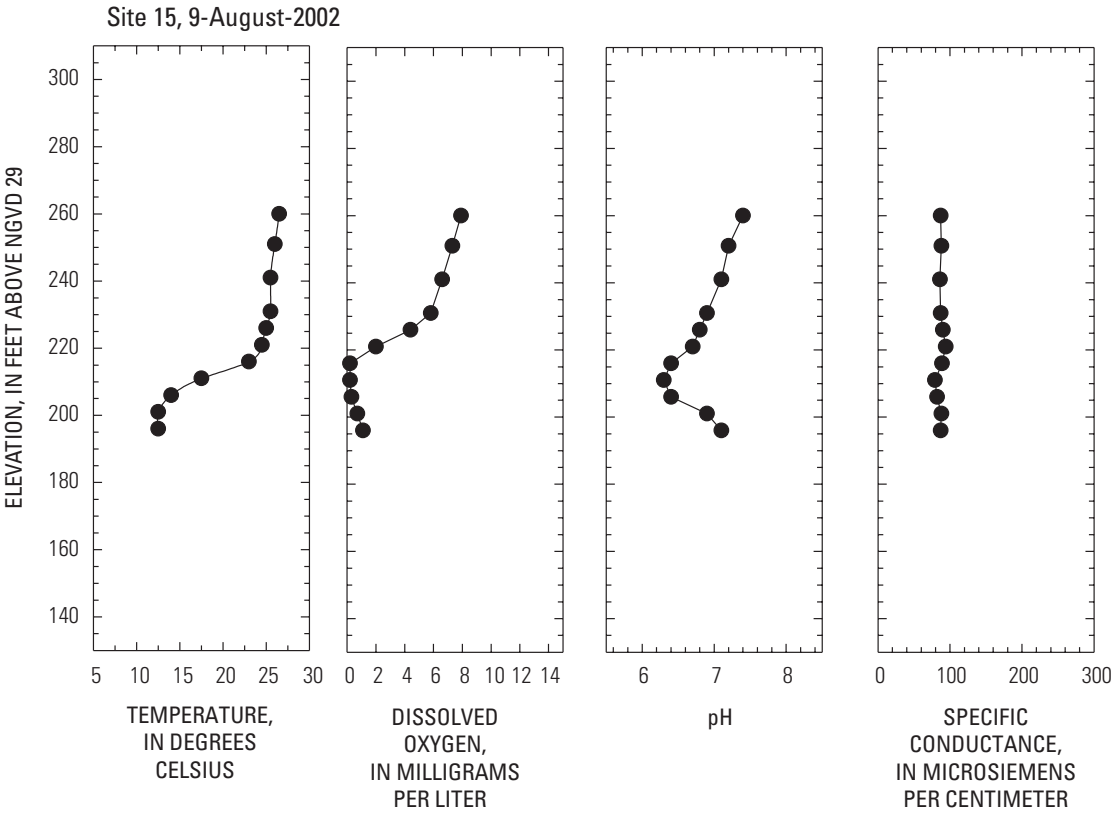

Figure D96. August 9, 2002, Site 15.

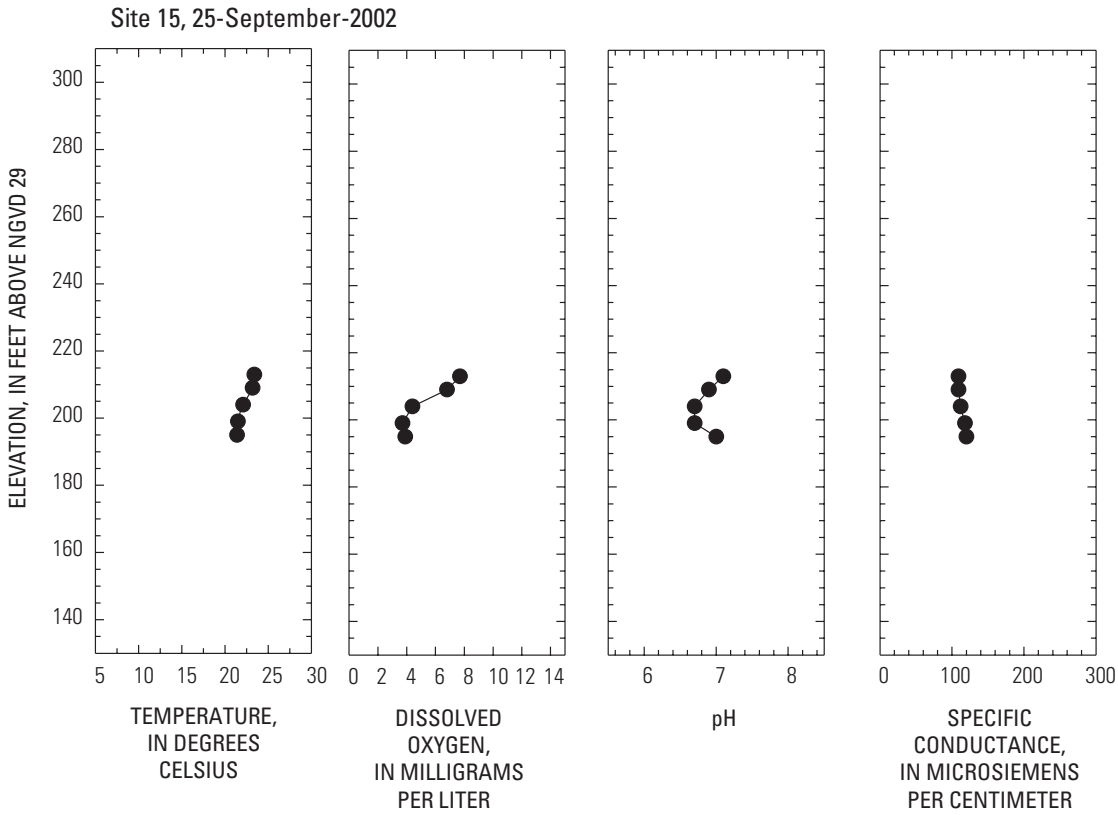

Figure D97. September 25, 2002, Site 15.

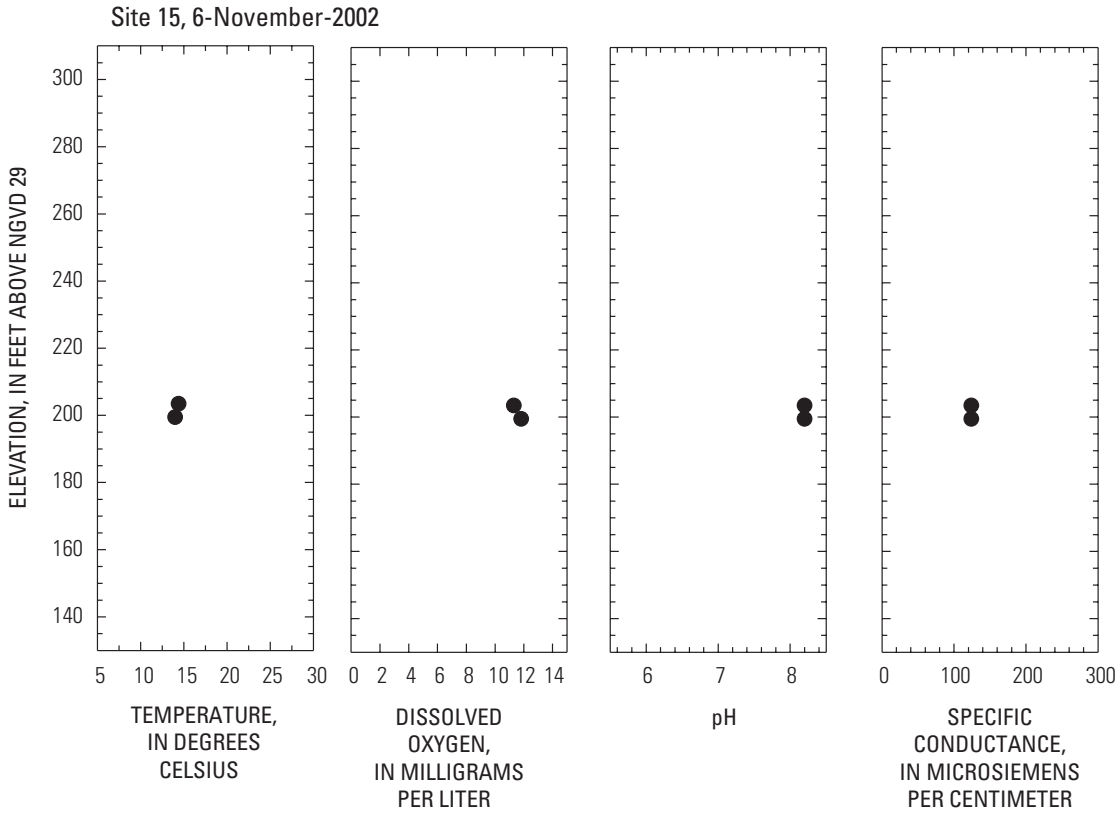

Figure D98. November 6, 2002, Site 15.

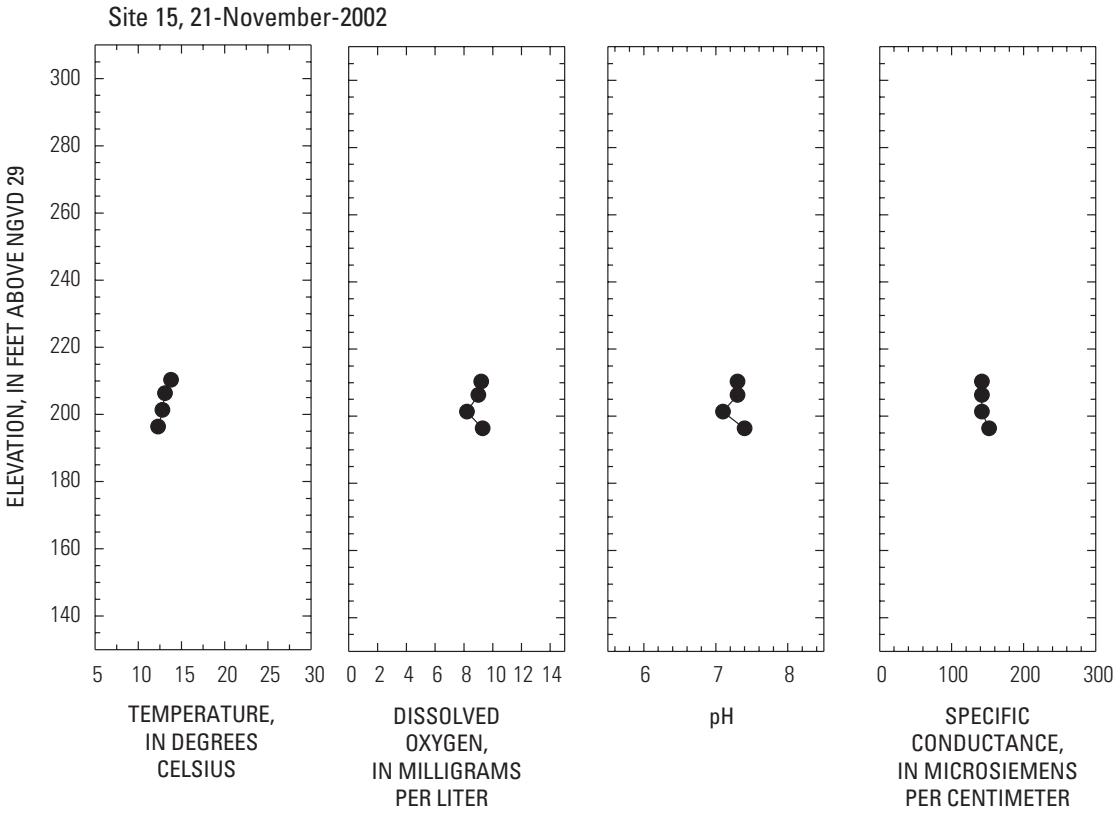

Figure D99. November 21, 2002, Site 15.

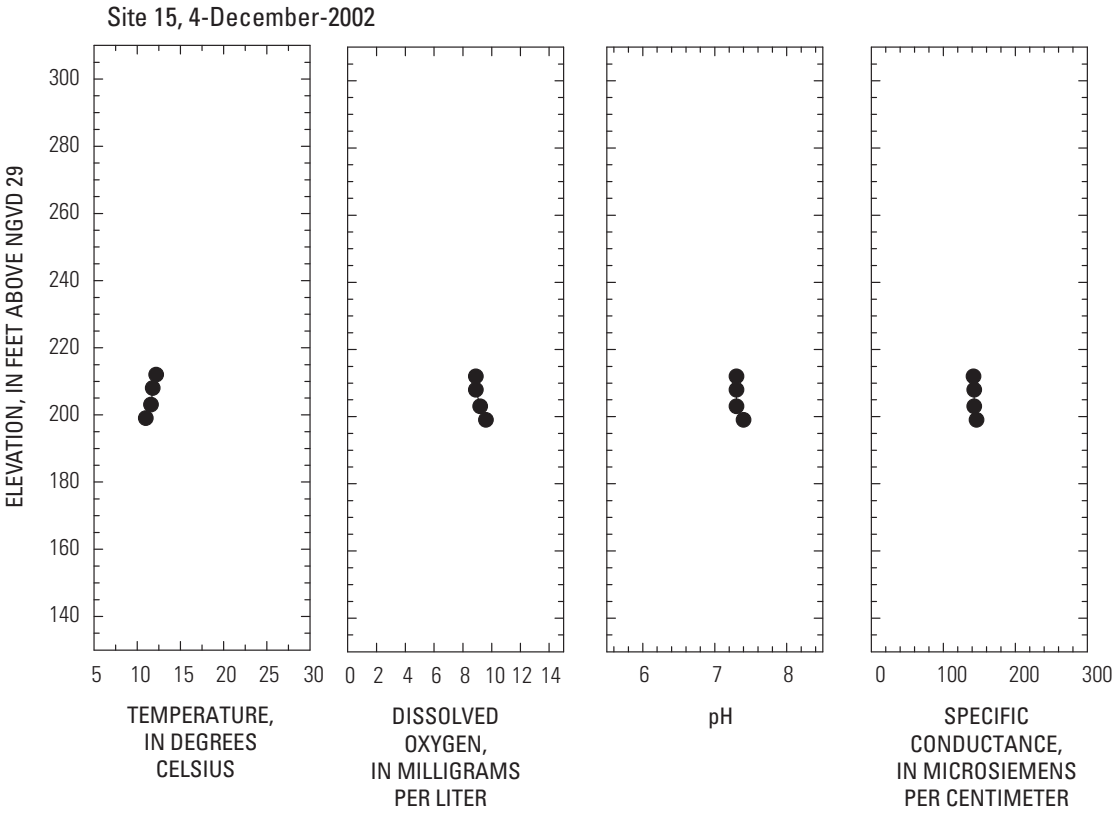

Figure D100. December 4, 2002, Site 15.

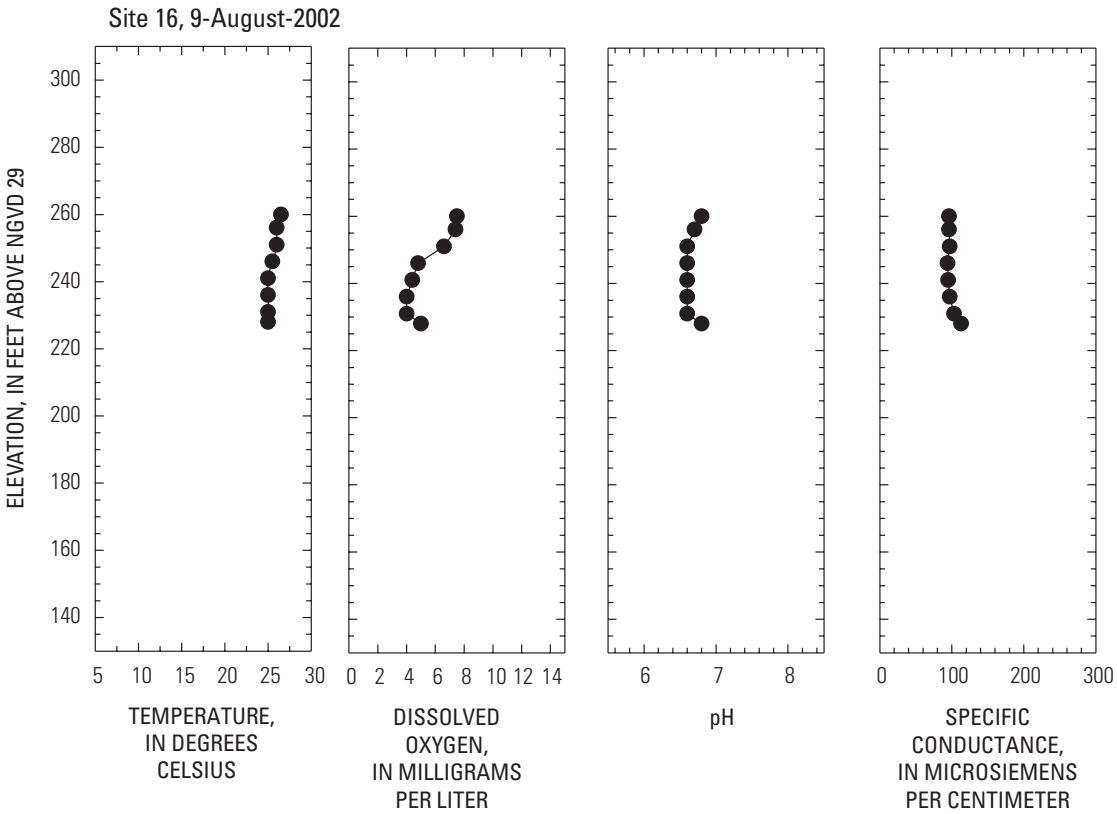

Figure D101 August 9, 2002, Site 16.

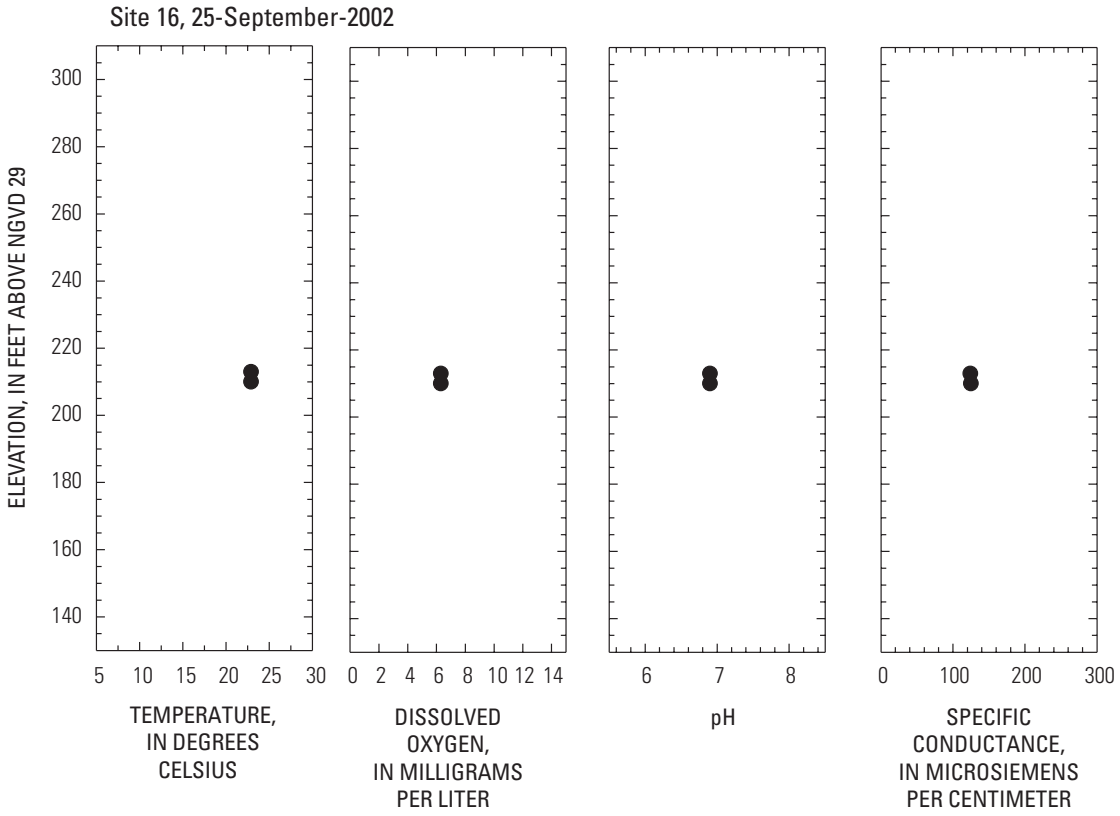

Figure D102. September 25, 2002, Site 16.

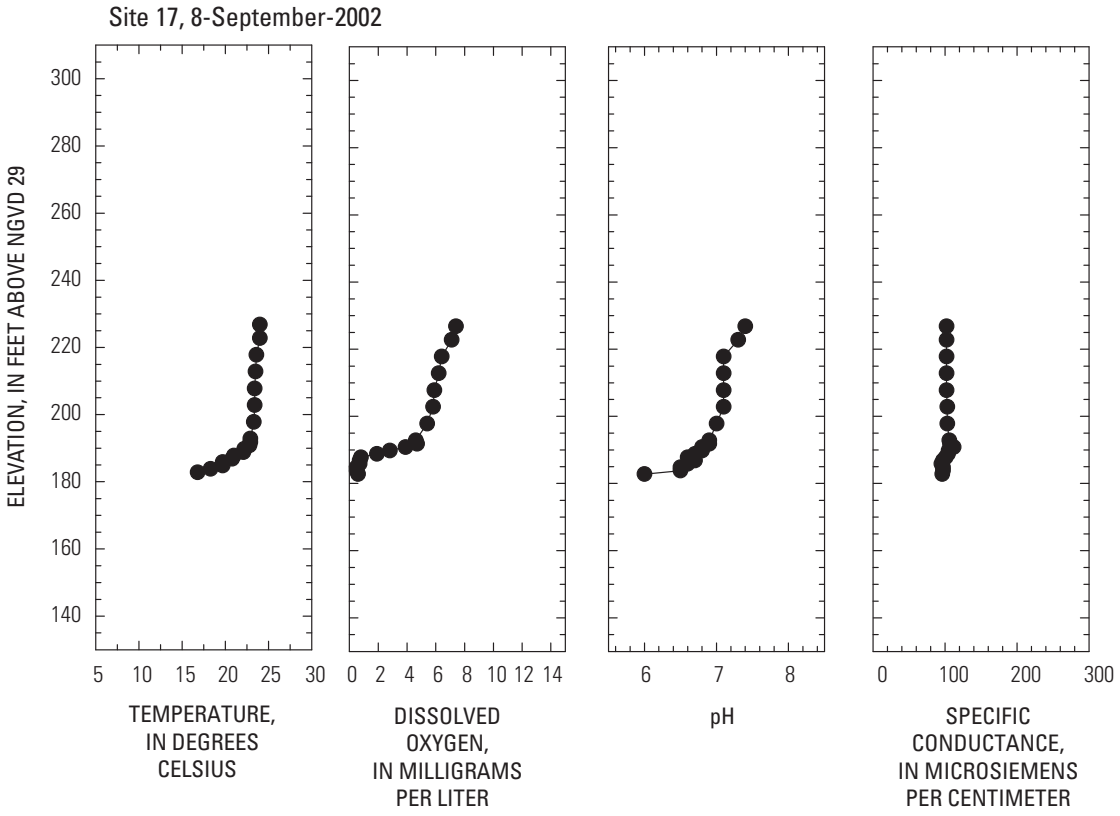

Figure D103. September 8, 2002, Site 17.

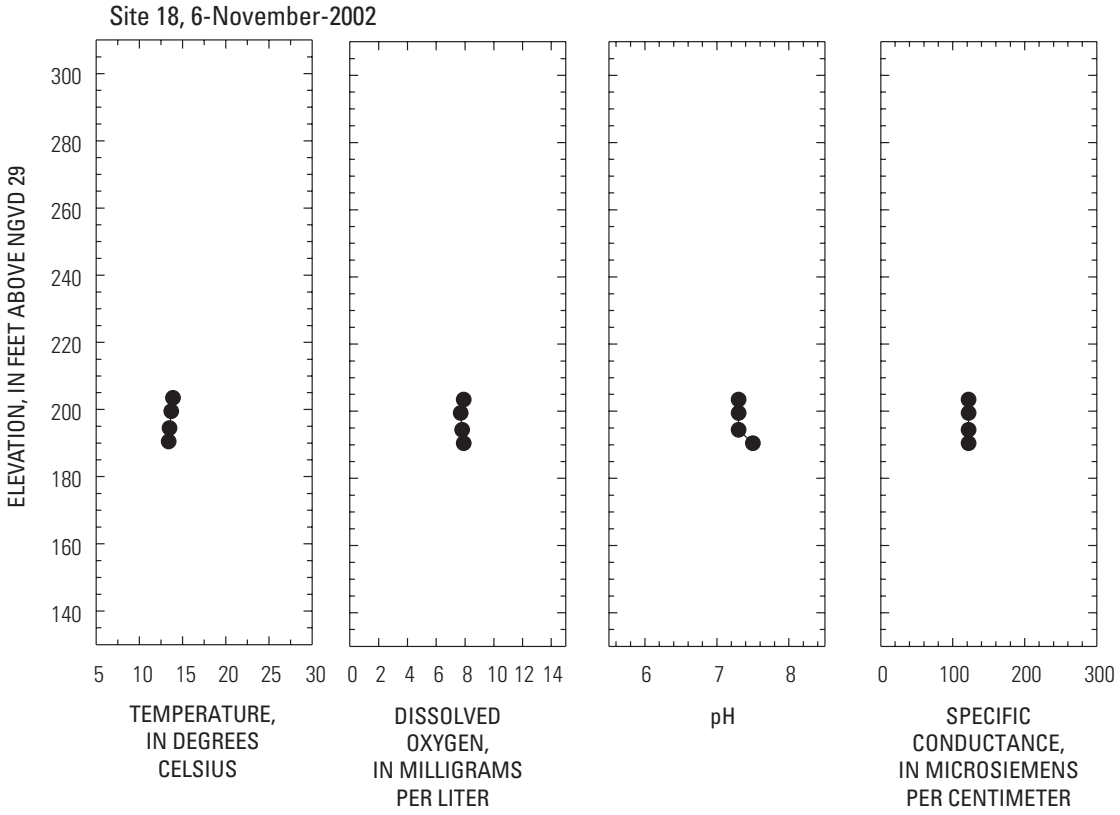

Figure D104. November 6, 2002, Site 18.

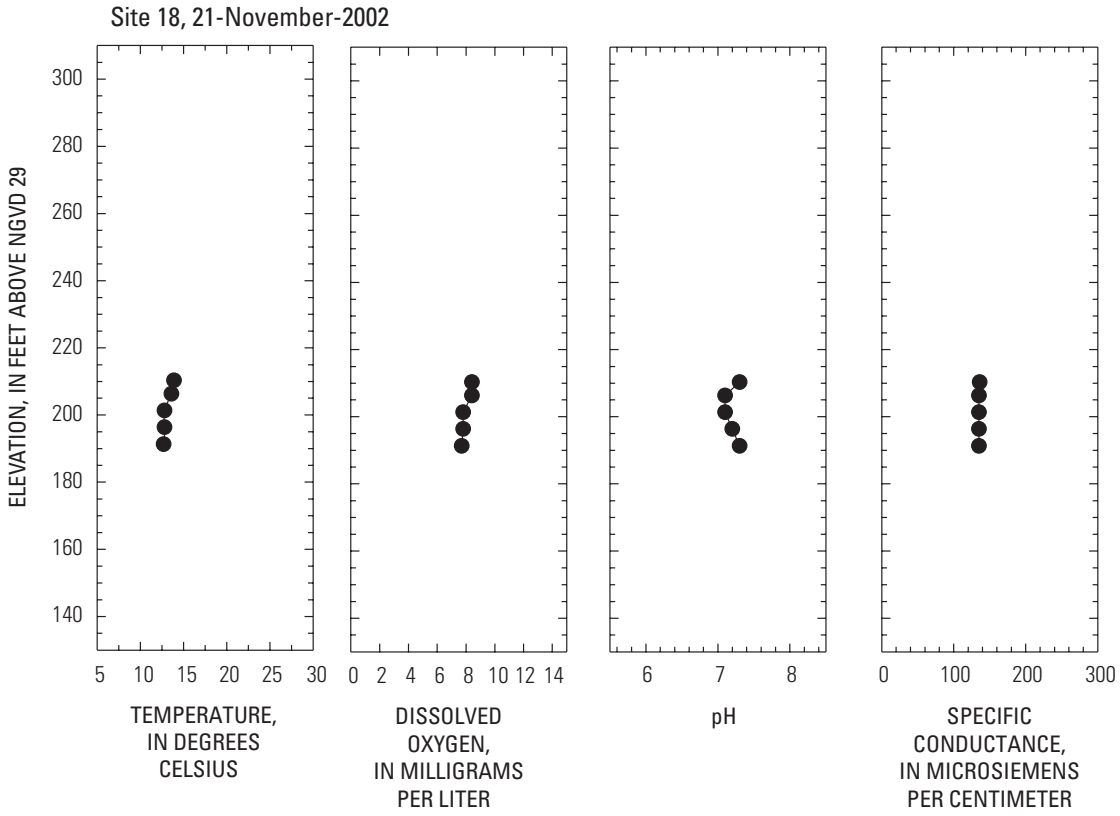

Figure D105. November 21, 2002, Site 18.

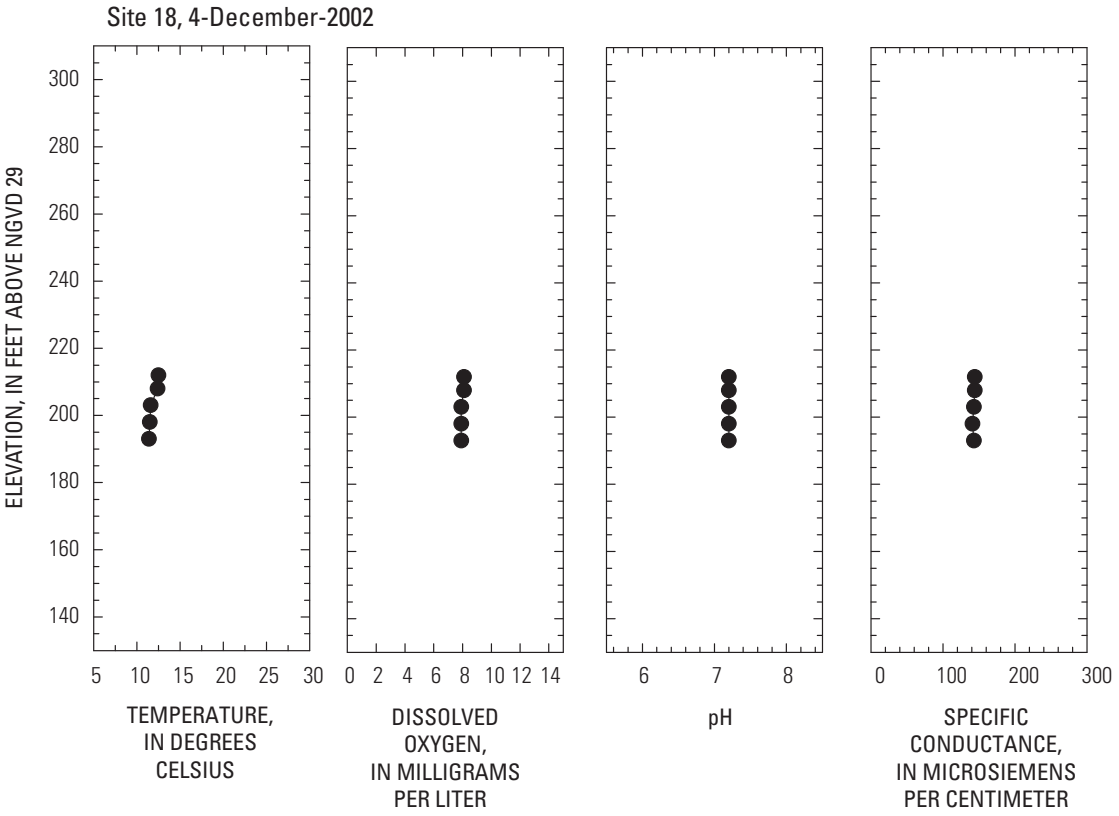

Figure D106. December 4, 2002, Site 18.

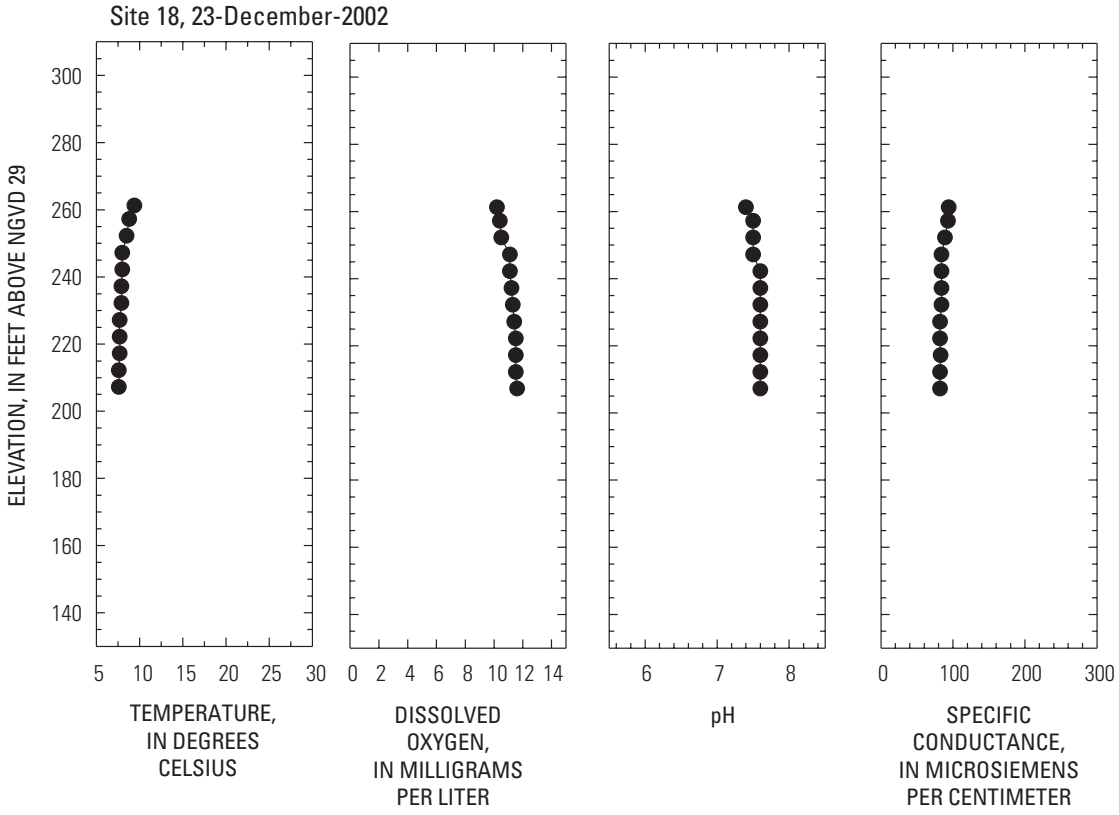

Figure D107. December 23, 2002, Site 18.

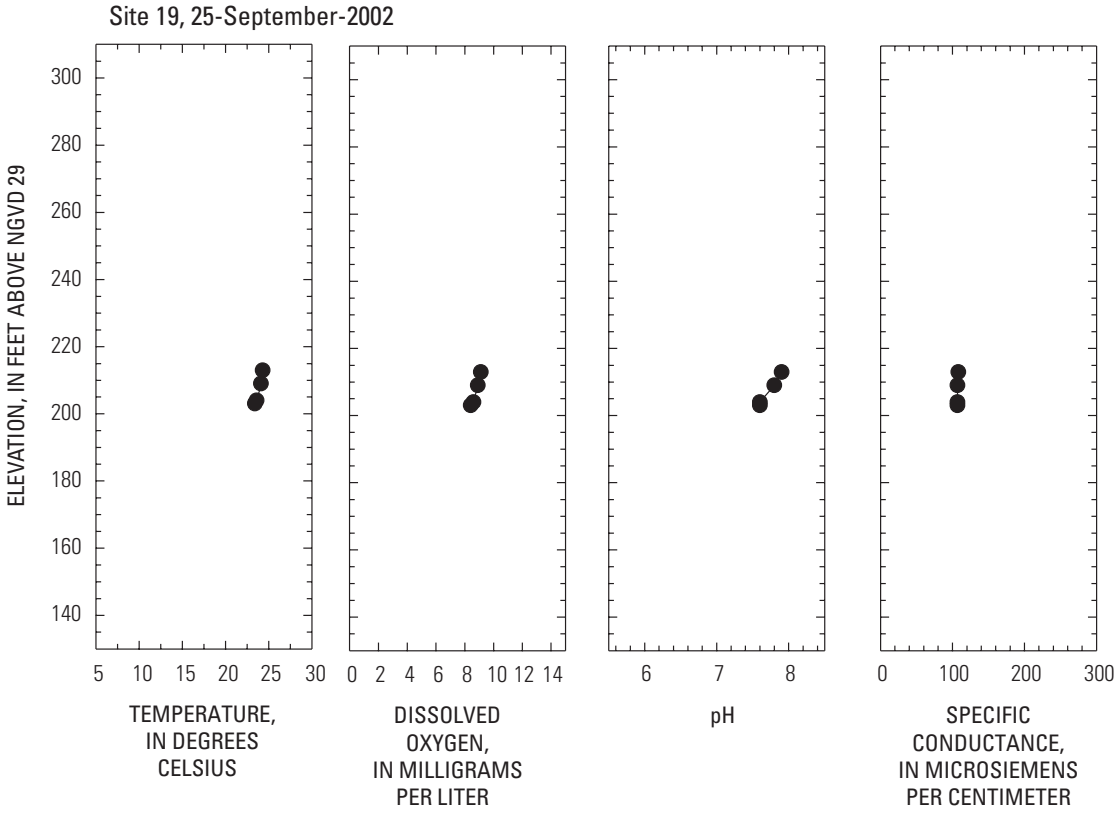

Figure D108. September 25, 2002, Site 19.

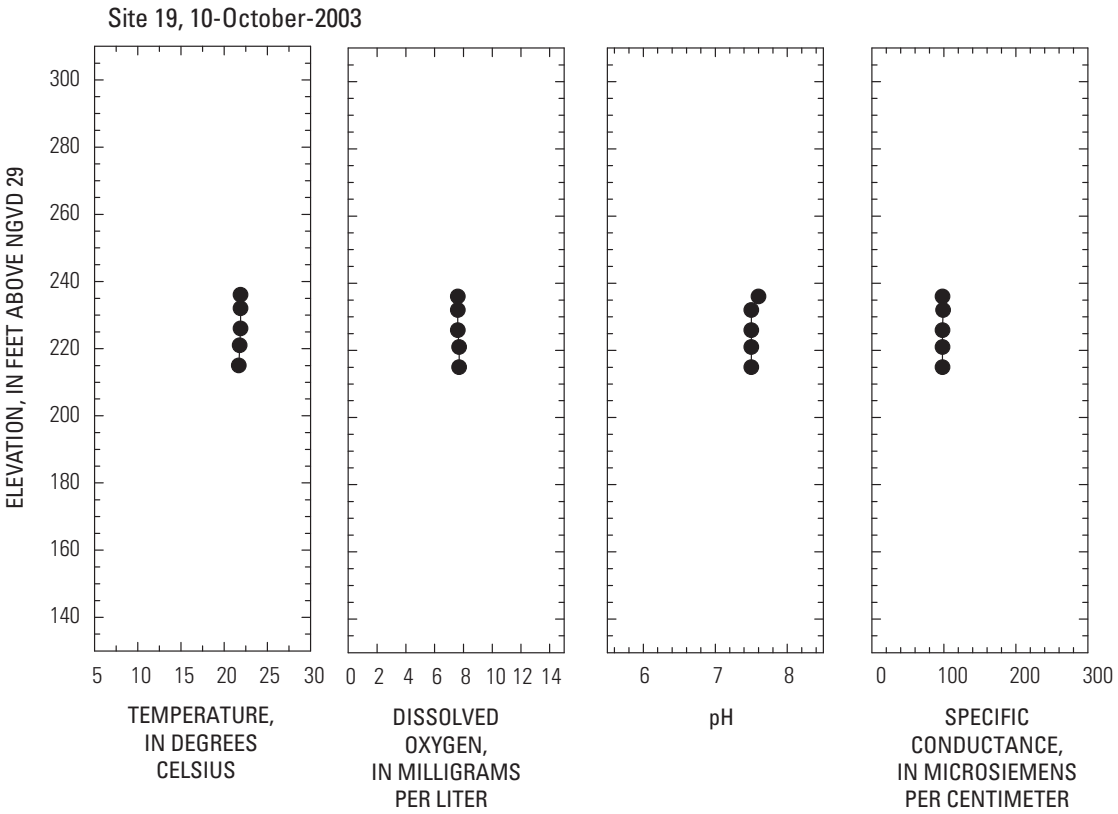

Figure D109. October 10, 2003, Site 19.

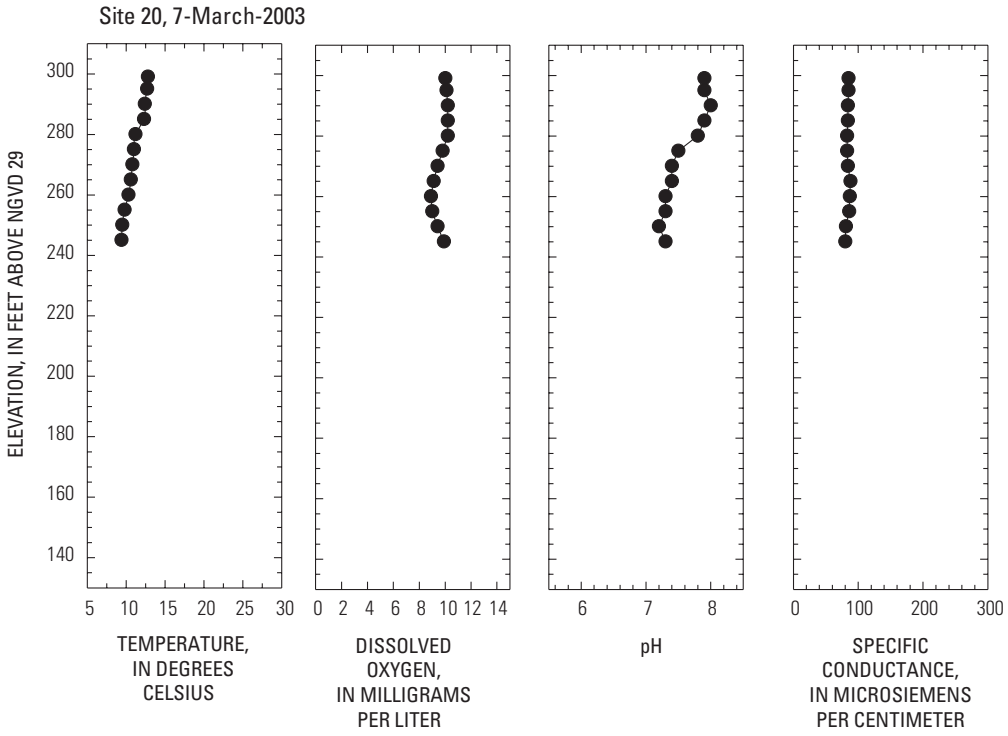

Figure D110. March 7, 2003, Site 20.

Appendix E. Tables of Data Related to Quality Assurance and Quality Control.

Table E1. Blanks for unfiltered total mercury analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.

[Note: trace metals lab, U.S. Geological Survey trace metals laboratory, Sacramento, California. DI, deionized; MilliQ, water deionizer manufactured by Millipore, Inc.; s.d., standard deviation; ng/L, nanogram per liter; <, less than; –, not determined]

Comment	Date	Time	Replicate	Total mercury, unfiltered (ng/L)	
				value	s.d.
Equipment blank:					
Churn	02/13/2002	15:37	1of1	0.6	0.1
Churn	08/08/2002	10:30	1of1	<0.4	0.1
Churn	08/21/2002	10:39	1of1	0.5	0.0
Churn	08/21/2002	10:39	1of1	0.5	0.0
Churn	09/10/2002	8:07	1of1	0.8	0.1
Churn	09/10/2002	8:07	1of1	0.8	0.1
Churn	10/22/2002	10:18	1of1	<0.4	0.1
Churn	12/20/2002	10:08	1of1	<0.4	0.1
Churn	01/13/2003	13:28	1of1	<0.4	0.1
Churn	03/20/2003	10:58	1of1	<0.4	0.1
Churn	03/20/2003	12:18	1of1	<0.4	0.1
Churn plus Wisconsin blank water	11/12/2002	7:08	1of1	<0.4	0.1
Churn plus trace metals lab DI water	11/12/2002	7:08	1of1	0.4	0.0
Distributor arm blank	03/18/2003	12:08	1of1	<0.4	0.1
Jerrican	02/13/2002	15:36	1of1	0.5	0.0
Jerrican	03/20/2003	10:48	1of1	<0.4	0.1
Jerrican	03/20/2003	12:08	1of1	<0.4	0.0
Tubing	02/13/2002	8:38	1of2	<0.4	0.1
Tubing	02/13/2002	8:38	2of2	<0.4	0.1
Sampler blank:					
Distributor arm blank	03/18/2003	15:08	1of1	<0.4	0.0
Grab	03/18/2003	12:18	1of1	<0.4	0.0
Grab	03/18/2003	15:18	1of1	<0.4	0.2
Holding bottle	08/21/2000	20:30	1of1	<0.5	0.1
Holding bottle	08/21/2000	21:30	1of1	<0.5	0.1

Table E1. Blanks for unfiltered total mercury analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Note: trace metals lab, U.S. Geological Survey trace metals laboratory, Sacramento, California. DI, deionized; MilliQ, water deionizer manufactured by Millipore, Inc.; s.d., standard deviation; ng/L, nanogram per liter; <, less than; –, not determined]

Comment	Date	Time	Replicate	Total mercury, unfiltered (ng/L)	
				value	s.d.
Source blank:					
MilliQ	06/06/2001	15:25	1of1	<0.4	0.2
MilliQ	10/31/2001	11:30	1of1	2.3	0.2
MilliQ	10/31/2001	11:30	1of1	2.3	0.2
MilliQ	02/13/2002	13:09	1of1	<0.4	0.1
Polished water	01/09/2002	11:40	1of1	2.5	0.1
Trace metals lab DI water	01/09/2002	11:30	1of1	<0.4	0.1
Trace metals lab DI water	02/11/2002	14:09	1of1	<0.4	0.0
Trace metals lab DI water	02/13/2002	14:09	1of1	<0.4	0.0
Trace metals lab DI water	03/18/2002	7:29	1of1	<0.4	0.0
Trace metals lab DI water	04/15/2002	–	1of1	0.6	0.1
Trace metals lab DI water	04/15/2002	–	1of1	0.6	0.1
Trace metals lab DI water	08/08/2002	10:30	1of1	<0.4	0.1
Trace metals lab DI water	08/21/2002	10:37	1of1	<0.4	0.1
Trace metals lab DI water	08/21/2002	10:37	1of1	<0.4	0.1
Trace metals lab DI water	08/27/2002	12:07	1of1	0.4	0.0
Trace metals lab DI water	09/10/2002	8:06	1of1	0.9	0.2
Trace metals lab DI water	09/10/2002	8:06	1of1	0.9	0.2
Trace metals lab DI water	09/16/2002	10:46	1of1	0.6	0.1
Trace metals lab DI water	09/16/2002	10:46	1of1	0.6	0.1
Trace metals lab DI water	10/22/2002	10:18	1of1	<0.4	0.1
Trace metals lab DI water	11/12/2002	7:09	1of1	<0.4	0.2
Trace metals lab DI water	12/20/2002	10:08	1of1	<0.4	0.1
Trace metals lab DI water	01/13/2003	13:28	1of1	<0.4	0.1
Trace metals lab DI water	03/20/2003	10:38	1of1	<0.4	0.1

Table E2. Blanks for filtered total mercury analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.

[C45, Gelman capsule filter; Q, quartz fiber filter; s.d., standard deviation; ng/L, nanogram per liter; <, less than]

Comment	Date	Time	Filter type	Replicate	Total mercury, filtered (ng/L)	
					value	s.d.
Field blank:						
	06/06/2001	14:45	C45	1of1	<0.5	0.2
	06/06/2001	14:45	C45	1of1	<0.4	0.2
	08/08/2002	10:30	C45	1of1	<0.4	0.1
	08/08/2002	10:30	C45	1of1	<0.4	0.0
	08/27/2002	12:07	C45	1of1	0.5	0.0
Filter blank:						
	08/21/2002	10:38	C45	1of1	<0.4	0.1
Process blank:						
	10/31/2001	11:15	C45	1of1	<0.4	0.1
	10/31/2001	11:15	C45	1of1	<0.4	0.0
	02/13/2002	15:37	C45	1of1	0.5	0.1
	02/13/2002	15:37	C45	1of1	<0.4	0.0
	08/14/2002	14:38	C45	1of1	<0.4	0.1
	09/10/2002	8:08	C45	1of2	<0.4	0.1
	09/10/2002	8:08	C45	2of2	<0.4	0.1
	10/31/2002	11:15	C45	1of1	<0.4	0.1
	12/20/2002	10:08	C45	1of1	<0.4	0.1
	01/13/2003	13:28	C45	1of1	<0.4	0.1
	03/20/2003	11:08	C45	1of1	<0.4	0.1
Lab blank:						
Laminar flow hood	02/11/2002	14:37	Q	1of1	<0.4	0.1
Laminar flow hood	02/13/2002	14:37	Q	1of1	<0.4	0.1
Process blank:						
	10/31/2001	11:15	Q	1of1	<0.4	0.0
	02/13/2002	15:37	Q	1of1	<0.4	0.0

Table E3. Blanks for unfiltered total mercury analyzed at the U.S. Geological Survey laboratory, Middleton, Wisconsin

[Information represents a summary of all results for the laboratory for unfiltered blank samples submitted by the U.S. Geological Survey (USGS) California Water Science Center during the period (2002–06) when samples from the present study were analyzed for total mercury. Trace Metals lab, Trace Metals laboratory, Sacramento; DI, deionized; ng/L, nanogram per liter; na, not available]

Blank Type	USGS station name	USGS station ID	Date	Time	Total mercury, unfiltered (ng/L)
Equipment blank:					
Churn	Camp Far West Reservoir	na	12/20/02	10:08	0.04
Churn	na	na	03/20/03	10:18	0.12
Churn	Bear River below Wolf Creek, near Lucas Hill, California	390107121102101	10/15/03	10:52	<0.04
Churn	na	na	07/13/04	7:32	0.46
Churn	na	na	07/18/06	9:30	0.11
Jerrican	Bear River below Steephollow Creek, near Chicago Park, California	391023120541301	06/30/03	9:33	0.59
Jerrican	Bear River below Wolf Creek, near Lucas Hill, California	390107121102101	10/15/03	10:52	<0.04
Jerrican	na	na	04/01/04	13:27	0.19
Jerrican	na	na	04/01/04	13:27	0.18
Jerrican	na	na	07/13/04	7:32	0.32
Field blank:					
Field blank	Camp Far West Reservoir 0.3 mile north of dam abutment	390317121185001	02/12/02	12:00	0.94
Field blank	Bear River below Camp Far West Dam	390256121190701	10/22/02	10:19	0.06
Field blank	Bear River below Camp Far West Dam	390256121190701	10/22/02	10:20	0.09
Field blank	Bear River below Camp Far West Dam	390256121190701	10/22/02	10:20	0.06
Field blank	Bear River below Steephollow Creek, near Chicago Park, California	391022120535401	11/12/02	7:08	0.11
Field blank	Bear River below Steephollow Creek, near Chicago Park, California	391022120535401	11/12/02	7:08	0.09
Field blank	Wolf Creek above Grass Valley Treatment Plant	391231121041001	01/13/03	13:28	4.39
Field blank	Wolf Creek above Grass Valley Treatment Plant	391231121041001	01/13/03	13:28	0.36
Field blank	na	na	03/21/03	12:08	0.08
Field blank	Bear River near Wheatland, California	11424002	05/15/03	13:42	0.11
Field blank	Bear River below Steephollow Creek, near Chicago Park, California	391023120541301	06/30/03	9:34	0.23
Source blank:					
Trace Metals lab DI	na	na	12/20/02	10:08	0.05
Trace Metals lab DI	na	na	11/12/02	7:09	0.06
Trace Metals lab DI	na	na	03/19/03	14:00	<0.04
Trace Metals lab DI	na	na	03/20/03	10:08	0.06
Wisconsin lab	na	na	03/19/03	14:01	0.04
Wisconsin lab	na	na	05/15/03	13:41	0.08
Wisconsin lab	na	na	06/30/03	9:32	0.23

Table E4. Blanks for filtered total mercury analyzed at the U.S. Geological Survey laboratory, Middleton, Wisconsin.

[Information represents a summary of all results for the laboratory for filtered blank samples submitted by the U.S. Geological Survey (USGS) California Water Science Center during the period (2002–06) when samples from the present study were analyzed for total mercury. Gelman, capsule filtered manufactured by Pall Gelman Sciences, Inc.; Q, quartz fiber filter; C45, capsule filter; ng/L, nanogram per liter; <, less than; na, not available]

Site name	USGS station ID	Date	Time	Filter type	Total mercury, filtered (ng/L)
Process blank (filtered):					
Bear River below Camp Far West Dam	390256121190701	03/19/2003	14:02	C45	0.04
na	na	03/20/2003	10:28	C45	0.05
Bear River near Wheatland, California	11424008	05/15/2003	13:44	C45	0.24
Bear River below Steephollow Creek, near Chicago Park, California	391023120541301	06/30/2003	9:35	C45	0.1
Bear River below Wolf Creek, near Lucas Hill, California	390107121102101	10/15/2003	10:52	C45	<0.04
Bear River below Camp Far West Dam	390256121190701	10/22/2002	10:18	na	0.12
Bear River below Camp Far West Dam	390256121190701	10/22/2002	10:18	na	0.08
na	na	12/20/2002	10:08	na	0.04
Wolf Creek above Grass Valley Treatment Plant	391231121041001	01/13/2003	13:28	na	0.64
Wolf Creek above Grass Valley Treatment Plant	391231121041001	01/13/2003	13:28	na	1.01
na	na	04/01/2004	13:27	na	0.48
na	na	07/13/2004	7:32	na	0.88
na	na	07/18/2006	10:00	na	0.25
Bear River below Steephollow Creek, near Chicago Park, California	391022120535401	11/12/2002	7:07	Q	0.06
Bear River below Steephollow Creek, near Chicago Park, California	391022120535401	11/12/2002	7:07	Q	0.07
na	na	12/20/2002	10:09	Q	0.18
Bear River below Camp Far West Dam	390256121190701	03/19/2003	14:03	Q	<0.04
Bear River near Wheatland, California	11424005	05/15/2003	13:43	Q	0.14
Bear River below Wolf Creek, near Lucas Hill, California	390107121102101	10/15/2003	10:52	Q	<0.04

Table E5. Blanks for unfiltered methylmercury analyzed at the U.S. Geological Survey laboratory, Middleton, Wisconsin.

[ng/ L,nanogram per liter; <, less than]

Comment	Date	Time	Methylmercury, unfiltered (ng/L)
Equipment blank:			
Churn	08/21/2002	10:39	<0.04
Churn	09/10/2002	8:07	<0.04
Churn	10/22/2002	10:19	<0.04
Churn	03/19/2003	14:01	<0.04
Churn	03/20/2003	10:18	<0.04
Churn	05/15/2003	13:42	<0.04
Churn	06/30/2003	9:34	<0.04
Jerrican	02/13/2002	15:37	<0.04
Jerrican	10/15/2003	10:52	<0.04
	03/21/2003	12:08	<0.04
	06/30/2003	9:33	<0.04
Field blank:			
	06/06/2001	14:45	<0.04
	08/27/2002	12:07	<0.04
	11/12/2002	7:07	<0.04
	11/12/2002	7:08	<0.04
	11/12/2002	7:09	<0.04
	01/13/2003	13:28	<0.04
Process blank:			
Tubing	02/13/2002	15:36	<0.04
	10/31/2001	11:15	<0.04
	02/13/2002	13:09	<0.04
	08/08/2002	10:30	<0.04
	08/14/2002	14:38	<0.04
Source blank:			
	10/31/2001	11:30	<0.04
	02/13/2002	8:38	0.04
	080/8/2002	10:30	0.04
	08/21/2002	10:37	0.04
	09/10/2002	8:06	0.04
	03/19/2003	14:00	0.04
	03/20/2003	10:08	0.04
	05/15/2003	13:41	0.04
	06/30/2003	9:32	0.04
	10/15/2003	10:52	0.04

Table E6. Blanks for filtered and partculate methylmercury analyzed at the U.S. Geological Survey laboratory, Middleton, Wisconsin.

[Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; Q, quartz fiber filter; C45, Gelman capsule filter; QFF, quartz fiber filter particulates. ng/L, nanogram per liter; <, less than]

	Comment	Date	Time	Filter type	Methyl-mercury, filtered value (ng/L)	Methyl-mercury, particulate value (ng/L)
Equipment blank:		10/15/2003	10:52		<0.04	
Field blank:						
	Gelman	01/13/2003	13:28	C45	<0.04	
	Gelman	06/06/2001	14:45	C45	0.04	
	QFF	02/11/2002	15:17	Q		<0.00
	Quartz	11/12/2002	7:07	Q	<0.04	
	Quartz	01/13/2003	13:28	Q	<0.04	
Filter blank:						
	Gelman	08/21/2002	10:38	C45	<0.04	
	Gelman	08/27/2002	12:07	C45	<0.04	
	Quartz plus QFF	08/21/2002	10:36	Q	<0.04	<0.05
Process blank:						
	Churn plus Gelman	05/15/2003	13:44	C45	<0.04	
	Churn plus Quartz	06/30/2003	9:35	Q	<0.04	
	Churn plus Quartz	05/15/2003	13:43	Q	<0.04	
	Gelman	06/30/2003	9:34	C45	<0.04	
	Gelman	03/20/2003	10:28	C45	<0.04	
	Gelman	08/08/2002	10:30	C45	<0.04	
	Gelman	10/15/2003	10:52	C45	<0.04	
	Gelman	03/19/2003	14:02	C45	<0.04	
	Gelman	08/14/2002	14:38	C45	<0.04	
	Gelman	02/13/2002	15:37	C45	<0.04	
	Quartz	11/12/2002	7:07	Q	<0.04	
	Quartz	10/15/2003	10:52	Q	<0.04	
	Quartz	03/19/2003	14:03	Q	<0.04	
	Quartz	02/11/2002	14:37	Q	<0.04	
	Quartz plus QFF	09/10/2002	8:08	Q	<0.04	<0.04
	Quartz plus QFF	08/08/2002	10:30	Q	<0.04	<0.05
	Quartz plus QFF	10/31/2001	11:15	Q	<0.04	<0.06
	Quartz plus QFF	02/13/2002	15:37	Q	<0.04	<0.00

Table E7. Blanks for unfiltered selected elements analyzed at the U.S. Geological Survey laboratory in Boulder, Colorado.

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized. mg/L, milligram per liter; µg/L, microgram per liter; <, less than; na, not available]

Comment	Date	Time	Replicate	Aluminum (Al) (µg/L)		Arsenic (As) (µg/L)		Boron (B) (µg/L)		Barium (Ba) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.1	0.0	< 0.01	0.00	< 0.4	0.4	0.069	0.006
Churn	09/10/2002	8:07	1of1	0.22	0.01	< 0.03	0.01	0.4	1.1	0.33	0.01
Jerrican BY-13	03/19/2003	14:56	1of1	0.08	0.04	< 0.01	0.00	< 0.2	0.1	< 0.002	0.001
Churn	03/19/2003	14:57	1of1	0.17	0.09	< 0.01	0.00	< 0.2	0.5	0.58	0.01
Hydrochloric acid:											
	07/09/2004	na	1of1	4.5	0.4	< 40	21	< 10	6	0.10	0.04
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.1	0.0	< 0.01	0.01	< 0.4	0.3	< 0.003	0.003
Trace metals lab DI water	09/10/2002	8:06	1of1	0.50	0.02	< 0.03	0.01	< 0.3	0.1	< 0.05	0.00
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.04	0.02	< 0.01	0.00	< 0.2	0.1	0.004	0.003

Comment	Date	Time	Replicate	Beryllium (Be) (µg/L)		Bismuth (Bi) (µg/L)		Calcium (Ca) (mg/L)		Cadmium (Cd) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.007	0.000	0.003	0.001	< 0.005	0.001	0.002	0.001
Churn	09/10/2002	8:07	1of1	< 0.006	0.004	< 0.002	0.002	< 0.005	0.003	< 0.005	0.001
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.005	0.005	< 0.0008	0.0003	< 0.005	0.006	< 0.002	0.001
Churn	03/19/2003	14:57	1of1	< 0.005	0.002	< 0.0008	0.0001	< 0.005	0.002	< 0.002	0.001
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.08	0.01	< 0.01	0.01	0.04	0.01	0.05	0.05
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.007	0.002	0.008	0.000	< 0.005	0.001	< 0.001	0.001
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.006	0.001	< 0.002	0.001	< 0.005	0.001	< 0.005	0.002
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.005	0.002	< 0.0008	0.0010	< 0.005	0.001	< 0.002	0.001

Comment	Date	Time	Replicate	Cerium (Ce) (µg/L)		Cobalt (Co) (µg/L)		Chromium (Cr) (µg/L)		Cesium (Cs) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.0003	0.0001	< 0.003	0.000	< 0.1	0.0	< 0.006	0.004
Churn	09/10/2002	8:07	1of1	< 0.0002	0.0002	0.002	0.001	0.30	0.13	< 0.007	0.003
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.0002	0.0000	< 0.002	0.000	< 0.06	0.03	< 0.003	0.002
Churn	03/19/2003	14:57	1of1	0.0003	0.0001	< 0.002	0.000	0.07	0.01	< 0.003	0.001
Hydrochloric acid:											
	07/09/2004	na	1of1	0.006	0.001	< 0.1	0.0	< 2	0	0.92	0.07
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.0003	0.0000	< 0.003	0.002	< 0.1	0.0	< 0.006	0.002
Trace metals lab DI water	09/10/2002	8:06	1of1	0.0002	0.0001	< 0.002	0.001	< 0.06	0.00	< 0.007	0.002
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.0002	0.0001	< 0.002	0.000	< 0.06	0.03	< 0.003	0.002

Table E7. Blanks for unfiltered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; mg/L, milligram per liter; µg/L, microgram per liter; <, less than]

Comment	Date	Time	Replicate	Copper (Cu) (µg/L)		Dysprosium (Dy) (µg/L)		Erbium (Er) (µg/L)		Europium (Eu) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.03	0.01	< 0.0005	0.0003	< 0.0004	0.0007	< 0.0002	0.0001
Churn	09/10/2002	8:07	1of1	< 0.01	0.006	< 0.0006	0.0002	< 0.0007	0.0001	< 0.0004	0.0001
Jerrican BY-13	03/19/2003	14:56	1of1	0.004	0.001	< 0.0004	0.0001	< 0.0004	0.0001	< 0.0002	0.0001
Churn	03/19/2003	14:57	1of1	0.047	0.012	< 0.0004	0.0002	< 0.0004	0.0002	< 0.0002	0.0001
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.7	0.6	< 0.008	0.000	< 0.004	0.004	< 0.003	0.001
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.03	0.02	< 0.0005	0.0002	< 0.0004	0.0003	< 0.0002	0.0001
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.01	0.010	< 0.0006	0.0001	< 0.0007	0.0001	< 0.0004	0.0001
Trace metals lab DI water	03/19/2003	14:55	1of1	0.007	0.007	< 0.0004	0.0002	< 0.0004	0.0002	< 0.0002	0.0001

Comment	Date	Time	Replicate	Iron (Fe) (µg/L)		Gadolinium (Gd) (µg/L)		Holmium (Ho) (µg/L)		Potassium (K) (mg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.6	0.8	< 0.0005	0.0001	< 0.0002	0.0001	< 0.008	0.005
Churn	09/10/2002	8:07	1of1	1.6	0.7	< 0.0009	0.0001	< 0.0002	0.0001	< 0.02	0.01
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.9	1.2	< 0.0002	0.0002	< 0.0001	0.0000	0.006	0.002
Churn	03/19/2003	14:57	1of1	< 0.9	0.2	< 0.0002	0.0000	< 0.0001	0.0001	< 0.004	0.002
Hydrochloric acid:											
	07/09/2004	na	1of1	< 10	2	< 0.004	0.002	< 0.0009	0.0008	< 0.2	0.0
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.6	0.1	< 0.0005	0.0002	< 0.0002	0.0000	< 0.008	0.006
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.6	0.1	< 0.0009	0.0002	< 0.0002	0.0001	< 0.02	0.01
Trace metals lab DI water	03/19/2003	14:55	1of1	1.0	1.4	< 0.0002	0.0002	< 0.0001	0.0001	< 0.004	0.003

Comment	Date	Time	Replicate	Lanthanum (La) (µg/L)		Lithium (Li) (µg/L)		Lutetium (Lu) (µg/L)		Magnesium (Mg) (mg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	0.0002	0.0002	< 0.01	0.01	< 0.0001	0.0001	< 0.003	0.001
Churn	09/10/2002	8:07	1of1	0.0003	0.0001	< 0.02	0.01	< 0.0003	0.0001	< 0.003	0.001
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.0001	0.0000	< 0.003	0.005	< 0.0001	0.0001	< 0.006	0.003
Churn	03/19/2003	14:57	1of1	0.0001	0.0002	0.004	0.004	< 0.0001	0.0001	< 0.006	0.002
Hydrochloric acid:											
	07/09/2004	na	1of1	0.009	0.001	0.4	0.5	0.0009	0.0006	0.0051	0.0007
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.0001	0.0001	< 0.01	0.00	< 0.0001	0.0001	< 0.003	0.002
Trace metals lab DI water	09/10/2002	8:06	1of1	0.0003	0.0000	0.02	0.00	< 0.0003	0.0001	< 0.003	0.001
Trace metals lab DI water	03/19/2003	14:55	1of1	0.0001	0.0001	< 0.003	0.002	< 0.0001	0.0000	< 0.006	0.001

Table E7. Blanks for unfiltered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; mg/L, milligram per liter; µg/L, microgram per liter; <, less than]

Comment	Date	Time	Replicate	Manganese (Mn) (µg/L)		Molybdenum (Mo) (µg/L)		Sodium (Na) (mg/L)		Neodymium (Nd) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.07	0.05	< 0.05	0.04	< 0.01	0.01	< 0.0008	0.0003
Churn	09/10/2002	8:07	1of1	< 0.1	0.0	< 0.05	0.01	0.008	0.009	< 0.002	0.000
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.07	0.05	< 0.04	0.03	< 0.006	0.009	< 0.0004	0.0002
Churn	03/19/2003	14:57	1of1	< 0.07	0.05	< 0.04	0.05	< 0.006	0.005	< 0.0004	0.0003
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.6	0.2	< 0.4	0.1	0.10	0.06	0.005	0.004
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.07	0.08	< 0.05	0.00	< 0.01	0.00	< 0.0008	0.0004
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.1	0.0	< 0.05	0.02	< 0.002	0.000	< 0.002	0.000
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.07	0.01	< 0.04	0.01	0.008	0.014	< 0.0004	0.0002

Comment	Date	Time	Replicate	Nickel (Ni) (µg/L)		Lead (Pb) (µg/L)		Praseodymium (Pr) (µg/L)		Rubidium (Rb) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.07	0.00	< 0.003	0.001	< 0.0002	0.0001	< 0.001	0.000
Churn	09/10/2002	8:07	1of1	0.11	0.01	< 0.004	0.000	< 0.0002	0.0001	< 0.002	0.001
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.009	0.001	< 0.003	0.003	< 0.0002	0.0000	0.0067	0.0004
Churn	03/19/2003	14:57	1of1	0.046	0.005	0.004	0.002	< 0.0002	0.0001	0.0010	0.0002
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.8	0.2	< 0.2	0.1	< 0.001	0.001	0.09	0.09
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.07	0.00	< 0.003	0.000	< 0.0002	0.0001	< 0.001	0.000
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.009	0.004	< 0.004	0.003	< 0.0002	0.0002	0.002	0.001
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.009	0.002	< 0.003	0.000	< 0.0002	0.0001	0.0008	0.0004

Comment	Date	Time	Replicate	Rhenium (Re) (µg/L)		Sulfur (S) (mg/L)		Antimony (Sb) (µg/L)		Selenium (Se) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.0003	0.0000	< 0.01	0.01	< 0.004	0.002	< 0.05	0.05
Churn	09/10/2002	8:07	1of1	< 0.0003	0.0001	< 0.02	0.02	< 0.003	0.001	< 0.05	0.05
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.0001	0.0000	< 0.01	0.01	< 0.006	0.004	< 0.07	0.01
Churn	03/19/2003	14:57	1of1	< 0.0001	0.0001	< 0.01	0.01	< 0.006	0.000	< 0.07	0.04
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.003	0.001	< 0.2	0.1	< 0.02	0.01	< 2	0
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.0003	0.0003	< 0.01	0.01	< 0.004	0.001	< 0.05	0.05
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.0003	0.0001	< 0.02	0.01	< 0.003	0.002	< 0.05	0.03
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.0001	0.0000	< 0.01	0.01	< 0.006	0.000	< 0.07	0.03

Table E7. Blanks for unfiltered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; mg/L, milligram per liter; µg/L, microgram per liter; <, less than]

Comment	Date	Time	Replicate	Silica (SiO_2) (mg/L)		Samarium (Sm) (µg/L)		Strontium (Sr) (µg/L)		Terbium (Tb) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.04	0.00	< 0.0009	0.0006	< 0.01	0.01	< 0.0002	0.0001
Churn	09/10/2002	8:07	1of1	< 0.07	0.01	< 0.001	0.001	< 0.02	0.01	0.0001	0.0002
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.01	0.00	< 0.0003	0.0002	< 0.01	0.01	< 0.0001	0.0001
Churn	03/19/2003	14:57	1of1	< 0.01	0.00	< 0.0003	0.0005	0.02	0.00	< 0.0001	0.0000
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.03	0.01	< 0.004	0.001	< 0.2	0.1	< 0.001	0.000
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.04	0.00	< 0.0009	0.0004	< 0.01	0.00	< 0.0002	0.0001
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.07	0.02	< 0.001	0.000	< 0.02	0.01	< 0.0001	0.0000
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.01	0.01	0.0006	0.0002	< 0.01	0.01	< 0.0001	0.0001

Comment	Date	Time	Replicate	Tellurium (Te) (µg/L)		Thorium (Th) (µg/L)		Thallium (Tl) (µg/L)		Thulium (Tm) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.007	0.004	< 0.001	0.001	< 0.003	0.002	< 0.0002	0.0001
Churn	09/10/2002	8:07	1of1	< 0.006	0.006	< 0.002	0.002	< 0.002	0.004	< 0.0001	0.0000
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.006	0.002	< 0.0003	0.0006	< 0.002	0.001	< 0.0001	0.0000
Churn	03/19/2003	14:57	1of1	< 0.006	0.002	< 0.0003	0.0003	< 0.002	0.002	< 0.0001	0.0000
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.04	0.01	< 0.009	0.003	< 0.02	0.01	< 0.0007	0.0003
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.007	0.001	< 0.001	0.000	< 0.003	0.001	< 0.0002	0.0001
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.006	0.002	< 0.002	0.001	< 0.002	0.002	< 0.0001	0.0001
Trace metals lab DI water	03/19/2003	14:55	1of1	< 0.006	0.000	< 0.0003	0.0001	< 0.002	0.001	< 0.0001	0.0000

Comment	Date	Time	Replicate	Uranium (U) (µg/L)		Vanadium (V) (µg/L)		Yttrium (Y) (µg/L)		Ytterbium (Yb) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Equipment blank:											
Churn	08/21/2002	10:39	1of1	< 0.0004	0.0002	< 0.1	0.1	< 0.0002	0.0002	< 0.0004	0.0001
Churn	09/10/2002	8:07	1of1	< 0.0003	0.0000	< 0.03	0.01	< 0.0003	0.0000	< 0.0007	0.0002
Jerrican BY-13	03/19/2003	14:56	1of1	< 0.0002	0.0002	< 0.02	0.01	< 0.0002	0.0000	< 0.0002	0.0002
Churn	03/19/2003	14:57	1of1	0.0002	0.0001	< 0.02	0.01	< 0.0002	0.0001	0.0002	0.0002
Hydrochloric acid:											
	07/09/2004	na	1of1	< 0.01	0.00	< 2	0	< 0.001	0.001	< 0.003	0.001
Source blank:											
Trace metals lab DI water	08/21/2002	10:37	1of1	< 0.0004	0.0002	< 0.1	0.0	< 0.0002	0.0002	< 0.0004	0.0002
Trace metals lab DI water	09/10/2002	8:06	1of1	< 0.0003	0.0001	< 0.03	0.01	< 0.0003	0.0003	< 0.0007	0.0003
Trace metals lab DI water	03/19/2003	14:55	1of1	0.0003	0.0005	< 0.02	0.02	< 0.0002	0.0000	< 0.0002	0.0002

Table E7. Blanks for unfiltered selected elements analyzed at theU.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; mg/L, milligram per liter; µg/L, microgram per liter; <, less than]

Comment	Date	Time	Replicate	Zinc (Zn) (µg/L)		Zirconium (Zr) (µg/L)	
				Avg	s.d.	Avg	s.d.
Equipment blank:							
Churn	08/21/2002	10:39	1of1	0.29	0.02	< 0.001	0.000
Churn	09/10/2002	8:07	1of1	0.42	0.04	0.002	0.001
Jerrican BY-13	03/19/2003	14:56	1of1	0.52	0.24	< 0.0007	0.0003
Churn	03/19/2003	14:57	1of1	0.62	0.22	0.0010	0.0002
Hydrochloric acid:							
	07/09/2004	na	1of1	< 4	6	< 0.02	0.01
Source blank:							
Trace metals lab DI water	08/21/2002	10:37	1of1	0.06	0.02	< 0.001	0.001
Trace metals lab DI water	09/10/2002	8:06	1of1	0.97	0.03	< 0.001	0.001
Trace metals lab DI water	03/19/2003	14:55	1of1	1.7	0.9	< 0.0007	0.0006

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory in Boulder, Colorado.

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; –, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Aluminum (Al) (µg/L)		Arsenic (As) (µg/L)		Boron (B) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.8	0.3	< 20	23	< 10	12
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.5	0.0	< 20	15	< 10	1
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.5	0.1	< 20	5	< 10	4
Equipment blank:									
	Holding bottle	01/29/2001	–	33	1	< 20	10	< 400	100
	Tubing	02/13/2002	5:30	0.17	0.03	< 0.01	0.03	6.5	6.5
	Tubing	02/13/2002	5:30	0.42	0.19	< 0.01	0.01	1.3	0.8
	Jerrican	02/13/2002	15:36	0.24	0.02	0.01	0.00	2.9	3.1
	Churn	02/13/2002	15:37	0.37	0.03	< 0.01	0.01	< 1	2
	Churn	08/08/2002	10:30	< 0.06	0.00	< 0.02	0.01	< 0.3	0.0
	Churn	10/22/2002	10:18	0.18	0.04	< 0.03	0.01	< 0.3	0.2
	Churn	11/12/2002	7:08	0.41	0.33	< 0.03	0.02	0.8	1.2
	Churn	01/13/2003	13:28	< 0.03	0.01	< 0.01	0.00	< 0.3	0.4
	Carboy	05/15/2003	13:41	< 0.03	0.01	< 0.007	0.012	< 0.5	0.3
	Churn	05/15/2003	13:42	0.05	0.00	< 0.007	0.003	< 0.5	0.6
	Jerrican	05/15/2003	13:45	0.12	0.01	< 0.007	0.016	< 0.5	0.1
Filter blank:									
	Setup	06/12/2001	–	48	2	< 30	30	8	14
	Setup	06/12/2001	–	48	4	< 30	10	18	4
	Gelman	08/21/2002	10:38	< 0.1	0.0	< 0.01	0.01	< 0.4	0.9
Process blank:									
	Holding bottle	01/31/2001	–	5	1	< 10	10	< 40	10
	Gelman	06/11/2001	–	93	7	< 30	20	< 5	1
	Gelman	06/12/2001	–	44	3	< 30	30	< 5	6
	Gelman	06/12/2001	–	55	3	< 30	30	< 5	5
	Gelman	06/12/2001	–	50	0	< 30	20	8	4
	Gelman	10/31/2001	11:15	0.3	0.3	< 0.04	0.02	< 1	0
	Gelman	02/13/2002	15:37	0.14	0.02	0.01	0.01	< 1	2
	Gelman	08/08/2002	10:30	0.15	0.19	< 0.02	0.00	< 0.3	0.1
	Gelman	09/10/2002	8:08	0.10	0.00	< 0.03	0.00	< 0.3	0.6
	Gelman	10/22/2002	10:18	0.15	0.02	< 0.03	0.01	0.5	0.4
	Gelman	11/12/2002	7:09	0.07	0.03	< 0.03	0.01	< 0.7	0.5
	Gelman	01/13/2003	13:28	0.09	0.01	< 0.01	0.01	< 0.3	0.1
	Churn plus Gelman	03/19/2003	14:58	0.08	0.02	< 0.01	0.01	0.6	0.3
	Churn plus Gelman	05/15/2003	13:44	< 0.03	0.02	< 0.007	0.003	< 0.5	0.2
Source blank:									
	MilliQ	10/31/2001	11:30	0.5	0.0	< 0.04	0.01	< 1	1
	Trace metals lab DI water	08/08/2002	10:30	< 0.06	0.05	< 0.02	0.01	< 0.3	0.4
	Trace metals lab DI water	10/22/2002	10:18	0.17	0.04	< 0.03	0.01	0.5	0.0
	Trace metals lab DI water	11/12/2002	7:07	0.06	0.02	< 0.03	0.02	0.9	0.4
	Trace metals lab DI water	01/13/2003	13:28	< 0.03	0.02	< 0.01	0.00	0.3	0.6

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; –, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Barium (Ba) (µg/L)		Beryllium (Be) (µg/L)		Bismuth (Bi) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.02	0.01	< 0.03	0.03	0.16	0.13
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.02	0.01	< 0.03	0.02	0.16	0.02
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.02	0.01	< 0.03	0.04	0.19	0.13
Equipment blank:									
	Holding bottle	01/29/2001	–	0.61	0.06	< 0.1	0.0	0.15	0.03
	Tubing	02/13/2002	5:30	0.014	0.002	< 0.006	0.004	< 0.0009	0.0001
	Tubing	02/13/2002	5:30	0.043	0.004	< 0.006	0.004	< 0.0009	0.0004
	Jerrican	02/13/2002	15:36	0.005	0.000	< 0.006	0.003	0.0027	0.0020
	Churn	02/13/2002	15:37	0.35	0.01	< 0.006	0.005	0.0010	0.0022
	Churn	08/08/2002	10:30	0.065	0.003	< 0.008	0.004	< 0.002	0.000
	Churn	10/22/2002	10:18	< 0.05	0.02	< 0.006	0.000	< 0.002	0.000
	Churn	11/12/2002	7:08	0.18	0.00	< 0.007	0.006	< 0.001	0.000
	Churn	01/13/2003	13:28	< 0.002	0.000	0.005	0.004	< 0.0007	0.0003
	Carboy	05/15/2003	13:41	< 0.002	0.001	< 0.007	0.001	0.0006	0.0011
	Churn	05/15/2003	13:42	0.093	0.007	< 0.007	0.002	< 0.0005	0.0002
	Jerrican	05/15/2003	13:45	0.003	0.001	< 0.007	0.001	< 0.0005	0.0003
Filter blank:									
	Setup	06/12/2001	–	< 0.06	0.01	< 0.04	0.09	< 0.03	0.01
	Setup	06/12/2001	–	< 0.06	0.05	< 0.04	0.03	< 0.03	0.01
	Gelman	08/21/2002	10:38	0.015	0.005	< 0.007	0.003	< 0.002	0.000
Process blank:									
	Holding bottle	01/31/2001	–	0.14	0.03	< 0.2	0.1	0.024	0.007
	Gelman	06/11/2001	–	< 0.06	0.02	< 0.04	0.06	0.08	0.06
	Gelman	06/12/2001	–	< 0.06	0.02	< 0.04	0.02	< 0.03	0.02
	Gelman	06/12/2001	–	< 0.06	0.05	< 0.04	0.02	0.04	0.03
	Gelman	06/12/2001	–	< 0.06	0.04	< 0.04	0.04	< 0.03	0.01
	Gelman	10/31/2001	11:15	< 0.05	0.01	< 0.005	0.002	< 0.0008	0.0006
	Gelman	02/13/2002	15:37	0.14	0.01	< 0.006	0.003	0.0036	0.0025
	Gelman	08/08/2002	10:30	0.011	0.004	< 0.008	0.004	< 0.002	0.001
	Gelman	09/10/2002	8:08	< 0.05	0.00	< 0.006	0.002	< 0.002	0.001
	Gelman	10/22/2002	10:18	< 0.05	0.00	< 0.006	0.003	< 0.002	0.000
	Gelman	11/12/2002	7:09	< 0.003	0.002	< 0.007	0.004	< 0.001	0.000
	Gelman	01/13/2003	13:28	0.31	0.01	< 0.003	0.003	< 0.0007	0.0005
	Churn plus Gelman	03/19/2003	14:58	0.039	0.003	< 0.005	0.003	< 0.0008	0.0008
	Churn plus Gelman	05/15/2003	13:44	0.041	0.004	< 0.007	0.002	< 0.0005	0.0004
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.05	0.01	< 0.005	0.001	< 0.0008	0.0014
	Trace metals lab DI water	08/08/2002	10:30	0.027	0.039	< 0.008	0.002	< 0.002	0.000
	Trace metals lab DI water	10/22/2002	10:18	< 0.05	0.01	0.007	0.000	< 0.002	0.001
	Trace metals lab DI water	11/12/2002	7:07	0.011	0.001	< 0.007	0.003	< 0.001	0.001
	Trace metals lab DI water	01/13/2003	13:28	0.085	0.003	< 0.003	0.003	< 0.0007	0.0005

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; –, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Calcium (Ca) (mg/L)		Cadmium (Cd) (µg/L)		Cerium (Ce) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid Blank:		01/25/2002	–	0.01	0.01	0.03	0.01	0.034	0.003
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.01	0.00	< 0.01	0.01	0.004	0.001
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	0.03	0.05	< 0.01	0.00	0.002	0.001
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.1	0.1	< 0.08	0.00	0.16	0.02
	Tubing	02/13/2002	5:30	0.07	0.00	< 0.004	0.002	< 0.0001	0.0001
	Tubing	02/13/2002	5:30	0.08	0.00	< 0.004	0.001	0.0006	0.0001
	Jerrican	02/13/2002	15:36	< 0.02	0.00	< 0.004	0.001	< 0.0001	0.0001
	Churn	02/13/2002	15:37	< 0.02	0.01	< 0.004	0.001	0.0002	0.0002
	Churn	08/08/2002	10:30	< 0.004	0.003	< 0.001	0.001	0.0002	0.0003
	Churn	10/22/2002	10:18	< 0.005	0.001	< 0.005	0.001	< 0.0002	0.0001
	Churn	11/12/2002	7:08	< 0.01	0.00	< 0.002	0.001	0.0003	0.0002
	Churn	01/13/2003	13:28	0.005	0.007	< 0.001	0.001	< 0.0001	0.0000
	Carboy	05/15/2003	13:41	< 0.003	0.001	< 0.002	0.000	< 0.0001	0.0001
	Churn	05/15/2003	13:42	< 0.003	0.001	< 0.002	0.002	< 0.0001	0.0001
	Jerrican	05/15/2003	13:45	< 0.003	0.004	< 0.002	0.000	0.0002	0.0002
Filter blank:									
	Setup	06/12/2001	–	0.09	0.12	< 0.04	0.01	0.005	0.000
	Setup	06/12/2001	–	0.09	0.10	< 0.04	0.02	0.007	0.001
	Gelman	08/21/2002	10:38	< 0.005	0.004	< 0.001	0.001	0.0005	0.0003
Process blank:									
	Holding bottle	01/31/2001	–	0.12	0.11	< 0.08	0.04	0.021	0.004
	Gelman	06/11/2001	–	< 0.05	0.03	< 0.04	0.01	0.011	0.003
	Gelman	06/12/2001	–	< 0.05	0.01	< 0.04	0.01	0.010	0.004
	Gelman	06/12/2001	–	< 0.05	0.01	< 0.04	0.01	0.007	0.004
	Gelman	06/12/2001	–	< 0.05	0.04	< 0.04	0.01	0.008	0.003
	Gelman	10/31/2001	11:15	0.008	0.001	0.0065	0.0019	0.0015	0.0012
	Gelman	02/13/2002	15:37	< 0.02	0.01	< 0.004	0.001	< 0.0001	0.0001
	Gelman	08/08/2002	10:30	0.004	0.001	< 0.001	0.000	< 0.0002	0.0002
	Gelman	09/10/2002	8:08	0.010	0.002	< 0.005	0.001	0.0015	0.0002
	Gelman	10/22/2002	10:18	< 0.005	0.002	< 0.005	0.000	0.0014	0.0001
	Gelman	11/12/2002	7:09	< 0.01	0.01	< 0.002	0.001	< 0.0002	0.0001
	Gelman	01/13/2003	13:28	0.003	0.001	< 0.001	0.000	0.0004	0.0003
	Churn plus Gelman	03/19/2003	14:58	0.006	0.005	< 0.002	0.001	< 0.0002	0.0000
	Churn plus Gelman	05/15/2003	13:44	< 0.003	0.000	< 0.002	0.000	0.0001	0.0001
Source blank:									
	MilliQ	10/31/2001	11:30	0.002	0.001	0.0054	0.0043	0.0011	0.0015
	Trace metals lab DI water	08/08/2002	10:30	< 0.004	0.001	< 0.001	0.000	< 0.0002	0.0001
	Trace metals lab DI water	10/22/2002	10:18	0.027	0.030	< 0.005	0.001	< 0.0002	0.0002
	Trace metals lab DI water	11/12/2002	7:07	0.01	0.01	< 0.002	0.002	< 0.0002	0.0001
	Trace metals lab DI water	01/13/2003	13:28	0.008	0.003	< 0.001	0.001	0.0001	0.0001

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Cobalt (Co) (µg/L)		Chromium (Cr) (µg/L)		Cesium (Cs) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.01	0.00	< 1	1	< 0.04	0.01
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.01	0.01	< 1	1	< 0.04	0.03
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.01	0.00	2	1	2.2	0.2
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.02	0.01	< 2	1	0.17	0.06
	Tubing	02/13/2002	5:30	< 0.001	0.001	0.11	0.07	< 0.003	0.001
	Tubing	02/13/2002	5:30	< 0.001	0.000	0.16	0.04	< 0.003	0.001
	Jerrican	02/13/2002	15:36	< 0.001	0.000	< 0.08	0.03	< 0.003	0.001
	Churn	02/13/2002	15:37	0.004	0.000	0.21	0.01	< 0.003	0.001
	Churn	08/08/2002	10:30	0.003	0.001	< 0.2	0.0	< 0.007	0.003
	Churn	10/22/2002	10:18	< 0.002	0.001	0.08	0.03	< 0.007	0.004
	Churn	11/12/2002	7:08	0.002	0.002	< 0.4	0.3	< 0.006	0.002
	Churn	01/13/2003	13:28	< 0.001	0.001	< 0.1	0.0	< 0.004	0.003
	Carboy	05/15/2003	13:41	< 0.002	0.002	< 0.1	0.0	< 0.008	0.003
	Churn	05/15/2003	13:42	0.002	0.002	0.25	0.02	< 0.008	0.002
	Jerrican	05/15/2003	13:45	< 0.002	0.002	< 0.1	0.0	< 0.008	0.002
Filter blank:									
	Setup	06/12/2001	–	< 0.03	0.02	< 0.7	0.2	< 0.2	0.0
	Setup	06/12/2001	–	< 0.03	0.02	< 0.7	0.1	0.3	0.2
	Gelman	08/21/2002	10:38	< 0.003	0.000	< 0.1	0.0	< 0.006	0.002
Process blank:									
	Holding bottle	01/31/2001	–	< 0.03	0.02	< 1	1	< 0.08	0.01
	Gelman	06/11/2001	–	< 0.03	0.01	1.5	0.7	< 0.2	0.0
	Gelman	06/12/2001	–	< 0.03	0.02	0.7	0.3	2.5	2.7
	Gelman	06/12/2001	–	< 0.03	0.02	1.6	0.6	0.3	0.1
	Gelman	06/12/2001	–	< 0.03	0.01	1.1	0.4	< 0.2	0.2
	Gelman	10/31/2001	11:15	0.007	0.007	< 0.2	0.0	< 0.009	0.006
	Gelman	02/13/2002	15:37	0.002	0.001	0.12	0.05	< 0.003	0.001
	Gelman	08/08/2002	10:30	< 0.001	0.001	< 0.2	0.1	< 0.007	0.006
	Gelman	09/10/2002	8:08	< 0.002	0.000	< 0.06	0.06	< 0.007	0.002
	Gelman	10/22/2002	10:18	< 0.002	0.000	< 0.06	0.01	< 0.007	0.002
	Gelman	11/12/2002	7:09	< 0.001	0.001	< 0.4	0.3	< 0.006	0.002
	Gelman	01/13/2003	13:28	< 0.001	0.001	< 0.1	0.1	< 0.004	0.002
	Churn plus Gelman	03/19/2003	14:58	< 0.002	0.000	< 0.06	0.03	< 0.003	0.002
	Churn plus Gelman	05/15/2003	13:44	0.003	0.001	< 0.1	0.0	< 0.008	0.002
Source blank:									
	MilliQ	10/31/2001	11:30	0.003	0.017	< 0.2	0.1	< 0.009	0.001
	Trace metals lab DI water	08/08/2002	10:30	< 0.001	0.001	< 0.2	0.1	< 0.007	0.009
	Trace metals lab DI water	10/22/2002	10:18	0.003	0.001	< 0.06	0.01	< 0.007	0.004
	Trace metals lab DI water	11/12/2002	7:07	< 0.001	0.001	< 0.4	0.3	< 0.006	0.004
	Trace metals lab DI water	01/13/2003	13:28	< 0.001	0.001	< 0.1	0.1	< 0.004	0.002

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Copper (Cu) (µg/L)		Dysprosium (Dy) (µg/L)		Erbium (Er) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.2	0.0	0.005	0.006	< 0.007	0.003
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.2	0.1	< 0.003	0.000	< 0.007	0.001
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.2	0.0	< 0.003	0.001	< 0.007	0.003
Equipment blank:									
	Holding bottle	01/29/2001	–	3.2	0.1	0.007	0.002	< 0.004	0.003
	Tubing	02/13/2002	5:30	0.010	0.014	< 0.0003	0.0001	< 0.0004	0.0004
	Tubing	02/13/2002	5:30	0.011	0.014	< 0.0003	0.0002	< 0.0004	0.0005
	Jerrican	02/13/2002	15:36	< 0.01	0.002	0.0003	0.0002	< 0.0004	0.0003
	Churn	02/13/2002	15:37	0.021	0.003	< 0.0003	0.0002	< 0.0004	0.0001
	Churn	08/08/2002	10:30	0.37	0.21	< 0.0005	0.0001	< 0.0005	0.0002
	Churn	10/22/2002	10:18	0.023	0.030	< 0.0006	0.0004	< 0.0007	0.0003
	Churn	11/12/2002	7:08	< 0.009	0.003	< 0.0004	0.0002	< 0.001	0.001
	Churn	01/13/2003	13:28	< 0.006	0.003	< 0.0002	0.0002	< 0.0004	0.0001
	Carboy	05/15/2003	13:41	< 0.01	0.01	< 0.0005	0.0001	< 0.0004	0.0002
	Churn	05/15/2003	13:42	< 0.01	0.01	< 0.0005	0.0001	< 0.0004	0.0000
	Jerrican	05/15/2003	13:45	< 0.01	0.01	< 0.0005	0.0002	< 0.0004	0.0001
Filter blank:									
	Setup	06/12/2001	–	0.8	0.0	< 0.005	0.002	0.003	0.002
	Setup	06/12/2001	–	0.8	0.1	< 0.005	0.002	0.002	0.001
	Gelman	08/21/2002	10:38	< 0.03	0.00	< 0.0005	0.0001	< 0.0004	0.0004
Process blank:									
	Holding bottle	01/31/2001	–	0.8	0.4	< 0.003	0.004	0.003	0.002
	Gelman	06/11/2001	–	1.1	0.2	< 0.005	0.001	< 0.002	0.001
	Gelman	06/12/2001	–	0.8	0.2	< 0.005	0.001	< 0.002	0.002
	Gelman	06/12/2001	–	0.9	0.1	< 0.005	0.002	< 0.002	0.001
	Gelman	06/12/2001	–	0.9	0.1	< 0.005	0.002	< 0.002	0.002
	Gelman	10/31/2001	11:15	0.08	0.08	0.0004	0.0003	< 0.0003	0.0002
	Gelman	02/13/2002	15:37	0.039	0.008	< 0.0003	0.0002	< 0.0004	0.0003
	Gelman	08/08/2002	10:30	0.05	0.06	< 0.0005	0.0005	< 0.0005	0.0001
	Gelman	09/10/2002	8:08	0.10	0.01	< 0.0006	0.0001	< 0.0007	0.0002
	Gelman	10/22/2002	10:18	0.018	0.020	< 0.0006	0.0004	< 0.0007	0.0004
	Gelman	11/12/2002	7:09	0.022	0.004	< 0.0004	0.0001	< 0.001	0.000
	Gelman	01/13/2003	13:28	< 0.006	0.004	< 0.0002	0.0002	< 0.0004	0.0003
	Churn plus Gelman	03/19/2003	14:58	0.017	0.002	< 0.0004	0.0002	< 0.0004	0.0003
	Churn plus Gelman	05/15/2003	13:44	< 0.01	0.01	< 0.0005	0.0003	< 0.0004	0.0001
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.02	0.01	0.0002	0.0003	< 0.0003	0.0003
	Trace metals lab DI water	08/08/2002	10:30	< 0.02	0.02	< 0.0005	0.0004	< 0.0005	0.0002
	Trace metals lab DI water	10/22/2002	10:18	0.026	0.016	< 0.0006	0.0002	< 0.0007	0.0007
	Trace metals lab DI water	11/12/2002	7:07	0.010	0.001	< 0.0004	0.0002	< 0.001	0.001
	Trace metals lab DI water	01/13/2003	13:28	0.014	0.002	0.0003	0.0002	< 0.0004	0.0002

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Europium (Eu) (µg/L)		Iron (Pb) (µg/L)		Gadolinium (Gd) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.002	0.003	71	25	0.006	0.004
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.002	0.002	73	10	< 0.004	0.003
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.002	0.002	6	4	< 0.004	0.001
Equipment blank:									
	Holding bottle	01/29/2001	–	0.003	0.001	35	1	0.006	0.004
	Tubing	02/13/2002	5:30	< 0.0003	0.0001	1.9	1.9	< 0.0005	0.0006
	Tubing	02/13/2002	5:30	< 0.0003	0.0000	< 1	1	< 0.0005	0.0004
	Jerrican	02/13/2002	15:36	< 0.0003	0.0001	< 1	0	< 0.0005	0.0003
	Churn	02/13/2002	15:37	< 0.0003	0.0001	< 1	1	< 0.0005	0.0004
	Churn	08/08/2002	10:30	< 0.0002	0.0001	< 1	2	< 0.0004	0.0002
	Churn	10/22/2002	10:18	< 0.0004	0.0001	< 0.6	0.2	< 0.0009	0.0003
	Churn	11/12/2002	7:08	< 0.0002	0.0003	0.7	0.4	< 0.0002	0.0002
	Churn	01/13/2003	13:28	< 0.0001	0.0001	< 0.5	0.6	< 0.0002	0.0000
	Carboy	05/15/2003	13:41	< 0.0003	0.0000	< 0.4	0.3	< 0.0006	0.0004
	Churn	05/15/2003	13:42	< 0.0003	0.0001	1.7	0.3	< 0.0006	0.0003
	Jerrican	05/15/2003	13:45	< 0.0003	0.0002	< 0.4	0.7	< 0.0006	0.0002
Filter blank:									
	Setup	06/12/2001	–	< 0.002	0.001	15	15	< 0.006	0.001
	Setup	06/12/2001	–	< 0.002	0.001	14	14	< 0.006	0.003
	Gelman	08/21/2002	10:38	< 0.0002	0.0001	< 0.6	0.4	< 0.0005	0.0001
Process blank:									
	Holding bottle	01/31/2001	–	0.002	0.001	13	11	< 0.004	0.002
	Gelman	06/11/2001	–	< 0.002	0.001	7	3	< 0.006	0.002
	Gelman	06/12/2001	–	< 0.002	0.001	3	1	< 0.006	0.001
	Gelman	06/12/2001	–	< 0.002	0.001	6	2	< 0.006	0.002
	Gelman	06/12/2001	–	< 0.002	0.001	6	4	< 0.006	0.001
	Gelman	10/31/2001	11:15	< 0.0001	0.0002	0.5	0.2	< 0.0003	0.0003
	Gelman	02/13/2002	15:37	< 0.0003	0.0001	< 1	1	< 0.0005	0.0001
	Gelman	08/08/2002	10:30	< 0.0002	0.0002	1.7	2.9	< 0.0004	0.0002
	Gelman	09/10/2002	8:08	< 0.0004	0.0002	< 0.6	0.3	< 0.0009	0.0002
	Gelman	10/22/2002	10:18	< 0.0004	0.0000	< 0.6	1.1	< 0.0009	0.0006
	Gelman	11/12/2002	7:09	< 0.0002	0.0001	< 0.5	0.1	< 0.0002	0.0001
	Gelman	01/13/2003	13:28	< 0.0001	0.0002	0.9	0.5	< 0.0002	0.0004
	Churn plus Gelman	03/19/2003	14:58	< 0.0002	0.0001	1.0	0.3	< 0.0002	0.0001
	Churn plus Gelman	05/15/2003	13:44	< 0.0003	0.0000	1.3	0.4	< 0.0006	0.0003
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.0001	0.0001	1.8	1.3	< 0.0003	0.0003
	Trace metals lab DI water	08/08/2002	10:30	< 0.0002	0.0000	1.3	2.0	< 0.0004	0.0003
	Trace metals lab DI water	10/22/2002	10:18	< 0.0004	0.0002	< 0.6	0.5	< 0.0009	0.0003
	Trace metals lab DI water	11/12/2002	7:07	< 0.0002	0.0001	< 0.5	0.3	< 0.0002	0.0003
	Trace metals lab DI water	01/13/2003	13:28	< 0.0001	0.0001	1.2	0.4	< 0.0002	0.0001

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Holmium (Ho) (µg/L)		Potassium (K) (mg/L)		Lanthanum (La) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.001	0.000	< 0.1	0.1	0.026	0.003
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.001	0.001	< 0.1	0.1	0.0026	0.0010
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.001	0.001	< 0.1	0.1	0.0012	0.0010
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.001	0.000	< 0.06	0.03	0.095	0.004
	Tubing	02/13/2002	5:30	< 0.0001	0.0000	< 0.01	0.01	< 0.0001	0.0001
	Tubing	02/13/2002	5:30	< 0.0001	0.0000	0.02	0.04	0.0002	0.0001
	Jerrican	02/13/2002	15:36	< 0.0001	0.0000	< 0.01	0.00	0.0001	0.0001
	Churn	02/13/2002	15:37	< 0.0001	0.0001	0.02	0.02	< 0.0001	0.0001
	Churn	08/08/2002	10:30	< 0.0001	0.0000	< 0.03	0.02	0.0004	0.0000
	Churn	10/22/2002	10:18	< 0.0002	0.0001	< 0.02	0.00	< 0.0002	0.0002
	Churn	11/12/2002	7:08	< 0.0001	0.0000	< 0.07	0.05	0.0002	0.0001
	Churn	01/13/2003	13:28	< 0.0001	0.0001	< 0.01	0.01	< 0.0002	0.0001
	Carboy	05/15/2003	13:41	< 0.0001	0.0000	< 0.008	0.002	< 0.0003	0.0000
	Churn	05/15/2003	13:42	< 0.0001	0.0001	< 0.008	0.001	< 0.0003	0.0002
	Jerrican	05/15/2003	13:45	< 0.0001	0.0000	0.013	0.007	0.0003	0.0001
Filter blank:									
	Setup	06/12/2001	–	< 0.0008	0.0005	0.02	0.03	< 0.004	0.001
	Setup	06/12/2001	–	< 0.0008	0.0006	0.04	0.04	< 0.004	0.001
	Gelman	08/21/2002	10:38	< 0.0002	0.0000	< 0.008	0.009	0.0004	0.0001
Process blank:									
	Holding bottle	01/31/2001	–	< 0.0009	0.0003	< 0.08	0.01	0.010	0.002
	Gelman	06/11/2001	–	< 0.0008	0.0007	< 0.02	0.01	< 0.004	0.001
	Gelman	06/12/2001	–	< 0.0008	0.0010	< 0.02	0.01	< 0.004	0.001
	Gelman	06/12/2001	–	< 0.0008	0.0004	< 0.02	0.01	< 0.004	0.001
	Gelman	06/12/2001	–	< 0.0008	0.0004	< 0.02	0.01	< 0.004	0.001
	Gelman	10/31/2001	11:15	0.0001	0.0000	< 0.02	0.02	0.0006	0.0003
	Gelman	02/13/2002	15:37	< 0.0001	0.0001	0.02	0.03	< 0.0001	0.0000
	Gelman	08/08/2002	10:30	< 0.0001	0.0000	< 0.03	0.03	< 0.0002	0.0001
	Gelman	09/10/2002	8:08	< 0.0002	0.0000	< 0.02	0.01	0.0016	0.0003
	Gelman	10/22/2002	10:18	< 0.0002	0.0001	< 0.02	0.01	0.0011	0.0002
	Gelman	11/12/2002	7:09	0.0001	0.0000	< 0.07	0.04	< 0.0001	0.0001
	Gelman	01/13/2003	13:28	< 0.0001	0.0000	< 0.01	0.01	0.0003	0.0003
	Churn plus Gelman	03/19/2003	14:58	< 0.0001	0.0000	< 0.004	0.002	0.0002	0.0002
	Churn plus Gelman	05/15/2003	13:44	< 0.0001	0.0001	< 0.008	0.003	< 0.0003	0.0001
Source blank:									
	MilliQ	10/31/2001	11:30	0.0001	0.0001	< 0.02	0.02	0.0007	0.0007
	Trace metals lab DI water	08/08/2002	10:30	< 0.0001	0.0001	< 0.03	0.02	< 0.0002	0.0001
	Trace metals lab DI water	10/22/2002	10:18	< 0.0002	0.0000	< 0.02	0.01	0.0003	0.0003
	Trace metals lab DI water	11/12/2002	7:07	< 0.0001	0.0000	< 0.07	0.05	0.0001	0.0001
	Trace metals lab DI water	01/13/2003	13:28	< 0.0001	0.0000	< 0.01	0.01	< 0.0002	0.0001

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Lithium (Li) (µg/L)		Lutetium (Lu) (µg/L)		Magnesium (Mg) (mg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.1	0.0	< 0.001	0.002	< 0.008	0.003
Blank-DI plus acid plus digestion:		01/25/2002	–	0.6	0.1	< 0.001	0.000	< 0.008	0.009
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	0.6	0.2	< 0.001	0.000	< 0.008	0.006
Equipment blank:									
	Holding bottle	01/29/2001	–	0.3	0.1	< 0.001	0.000	< 0.1	0.0
	Tubing	02/13/2002	5:30	< 0.03	0.01	< 0.0001	0.0001	< 0.009	0.008
	Tubing	02/13/2002	5:30	< 0.03	0.02	< 0.0001	0.0001	< 0.009	0.001
	Jerrican	02/13/2002	15:36	< 0.03	0.01	< 0.0001	0.0001	< 0.009	0.001
	Churn	02/13/2002	15:37	< 0.03	0.02	< 0.0001	0.0000	0.012	0.016
	Churn	08/08/2002	10:30	< 0.03	0.02	< 0.0001	0.0000	< 0.002	0.001
	Churn	10/22/2002	10:18	< 0.02	0.01	< 0.0003	0.0001	< 0.003	0.002
	Churn	11/12/2002	7:08	< 0.01	0.00	< 0.0001	0.0002	< 0.007	0.003
	Churn	01/13/2003	13:28	< 0.007	0.008	0.0000	0.0000	< 0.002	0.002
	Carboy	05/15/2003	13:41	< 0.01	0.00	< 0.0001	0.0000	< 0.003	0.002
	Churn	05/15/2003	13:42	< 0.01	0.00	< 0.0001	0.0000	< 0.003	0.000
	Jerrican	05/15/2003	13:45	< 0.01	0.01	< 0.0001	0.0001	< 0.003	0.001
Filter blank:									
	Setup	06/12/2001	–	< 0.1	0.1	< 0.0007	0.0007	< 0.07	0.00
	Setup	06/12/2001	–	< 0.1	0.2	< 0.0007	0.0003	< 0.07	0.02
	Gelman	08/21/2002	10:38	< 0.01	0.01	< 0.0001	0.0001	< 0.003	0.001
Process blank:									
	Holding bottle	01/31/2001	–	0.5	0.1	< 0.0006	0.0005	0.04	0.04
	Gelman	06/11/2001	–	< 0.1	0.1	< 0.0007	0.0002	< 0.07	0.07
	Gelman	06/12/2001	–	0.2	0.1	< 0.0007	0.0004	< 0.07	0.00
	Gelman	06/12/2001	–	0.2	0.1	< 0.0007	0.0006	< 0.07	0.06
	Gelman	06/12/2001	–	0.4	0.0	< 0.0007	0.0007	< 0.07	0.04
	Gelman	10/31/2001	11:15	0.018	0.019	< 0.0001	0.0001	0.0010	0.0000
	Gelman	02/13/2002	15:37	< 0.03	0.02	< 0.0001	0.0000	< 0.009	0.004
	Gelman	08/08/2002	10:30	< 0.03	0.01	< 0.0001	0.0001	0.003	0.003
	Gelman	09/10/2002	8:08	< 0.02	0.00	< 0.0003	0.0000	< 0.003	0.001
	Gelman	10/22/2002	10:18	< 0.02	0.01	< 0.0003	0.0001	0.006	0.010
	Gelman	11/12/2002	7:09	< 0.01	0.00	< 0.0001	0.0000	< 0.007	0.002
	Gelman	01/13/2003	13:28	< 0.007	0.002	0.0000	0.0001	< 0.002	0.002
	Churn plus Gelman	03/19/2003	14:58	0.007	0.009	< 0.0001	0.0000	< 0.006	0.001
	Churn plus Gelman	05/15/2003	13:44	< 0.01	0.00	< 0.0001	0.0000	< 0.003	0.001
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.004	0.005	< 0.0001	0.0000	< 0.0003	0.0000
	Trace metals lab DI water	08/08/2002	10:30	< 0.03	0.01	< 0.0001	0.0001	< 0.002	0.000
	Trace metals lab DI water	10/22/2002	10:18	< 0.02	0.01	< 0.0003	0.0001	< 0.003	0.001
	Trace metals lab DI water	11/12/2002	7:07	< 0.01	0.00	< 0.0001	0.0000	< 0.007	0.002
	Trace metals lab DI water	01/13/2003	13:28	< 0.007	0.007	0.0000	0.0000	< 0.002	0.001

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Manganese (Mn) (µg/L)		Molybdenum (Mo) (µg/L)		Sodium (Na) (mg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.4	0.1	< 0.5	0.1	< 0.08	0.02
Blank-DI plus acid plus digestion:		01/25/2002	–	0.3	0.1	< 0.5	0.0	< 0.08	0.06
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.3	0.1	< 0.5	0.2	< 0.08	0.10
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.2	0.2	0.6	0.7	0.07	0.01
	Tubing	02/13/2002	5:30	< 0.2	0.2	< 0.05	0.01	0.18	0.02
	Tubing	02/13/2002	5:30	< 0.2	0.0	0.08	0.02	0.17	0.01
	Jerrican	02/13/2002	15:36	< 0.2	0.1	0.06	0.06	< 0.02	0.02
	Churn	02/13/2002	15:37	< 0.2	0.2	< 0.05	0.01	0.02	0.03
	Churn	08/08/2002	10:30	< 0.06	0.02	< 0.04	0.03	0.003	0.008
	Churn	10/22/2002	10:18	< 0.1	0.0	< 0.05	0.03	< 0.002	0.003
	Churn	11/12/2002	7:08	< 0.4	0.1	< 0.03	0.01	< 0.008	0.004
	Churn	01/13/2003	13:28	< 0.07	0.01	< 0.04	0.03	0.009	0.018
	Carboy	05/15/2003	13:41	< 0.08	0.02	< 0.04	0.02	< 0.01	0.01
	Churn	05/15/2003	13:42	< 0.08	0.03	< 0.04	0.03	< 0.01	0.00
	Jerrican	05/15/2003	13:45	< 0.08	0.02	< 0.04	0.06	< 0.01	0.02
Filter blank:									
	Setup	06/12/2001	–	0.7	0.1	< 0.2	0.2	0.33	0.39
	Setup	06/12/2001	–	0.6	0.2	< 0.2	0.2	0.35	0.40
	Gelman	08/21/2002	10:38	< 0.07	0.01	< 0.05	0.02	< 0.01	0.00
Process blank:									
	Holding bottle	01/31/2001	–	< 0.4	0.1	0.1	0.0	0.079	0.027
	Gelman	06/11/2001	–	0.7	0.4	0.2	0.2	< 0.02	0.05
	Gelman	06/12/2001	–	< 0.5	0.3	0.4	0.6	< 0.02	0.04
	Gelman	06/12/2001	–	< 0.5	0.1	0.5	0.7	0.10	0.04
	Gelman	06/12/2001	–	< 0.5	0.1	< 0.2	0.3	0.21	0.07
	Gelman	10/31/2001	11:15	< 0.1	0.0	< 0.04	0.02	< 0.2	0.1
	Gelman	02/13/2002	15:37	< 0.2	0.0	0.11	0.12	< 0.02	0.01
	Gelman	08/08/2002	10:30	0.12	0.13	0.06	0.04	0.004	0.005
	Gelman	09/10/2002	8:08	< 0.1	0.0	< 0.05	0.01	< 0.002	0.002
	Gelman	10/22/2002	10:18	< 0.1	0.1	< 0.05	0.05	< 0.002	0.002
	Gelman	11/12/2002	7:09	< 0.4	0.1	< 0.03	0.03	< 0.008	0.012
	Gelman	01/13/2003	13:28	0.09	0.04	< 0.04	0.02	0.005	0.004
	Churn plus Gelman	03/19/2003	14:58	< 0.07	0.02	< 0.04	0.08	< 0.006	0.000
	Churn plus Gelman	05/15/2003	13:44	< 0.08	0.05	< 0.04	0.01	< 0.01	0.00
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.1	0.1	< 0.04	0.03	< 0.2	0.1
	Trace metals lab DI water	08/08/2002	10:30	< 0.06	0.02	0.06	0.05	< 0.002	0.003
	Trace metals lab DI water	10/22/2002	10:18	< 0.1	0.0	< 0.05	0.05	0.026	0.034
	Trace metals lab DI water	11/12/2002	7:07	< 0.4	0.1	< 0.03	0.01	0.009	0.011
	Trace metals lab DI water	01/13/2003	13:28	< 0.07	0.01	< 0.04	0.00	0.006	0.009

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Neodymium (Nd) (µg/L)		Nickel (N) (µg/L)		Lead (Pb) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.031	0.004	0.15	0.08	< 0.03	0.01
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.007	0.005	< 0.06	0.08	0.03	0.01
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.007	0.002	< 0.06	0.04	0.12	0.02
Equipment blank:									
	Holding bottle	01/29/2001	–	0.067	0.007	1.4	0.1	2.1	0.1
	Tubing	02/13/2002	5:30	< 0.0005	0.0006	< 0.008	0.001	0.012	0.016
	Tubing	02/13/2002	5:30	< 0.0005	0.0004	0.009	0.004	0.003	0.001
	Jerrican	02/13/2002	15:36	< 0.0005	0.0007	< 0.008	0.001	0.005	0.003
	Churn	02/13/2002	15:37	< 0.0005	0.0003	0.17	0.01	< 0.003	0.001
	Churn	08/08/2002	10:30	< 0.0004	0.0005	0.057	0.001	0.012	0.012
	Churn	10/22/2002	10:18	< 0.002	0.001	0.050	0.050	< 0.004	0.006
	Churn	11/12/2002	7:08	0.0002	0.0003	0.092	0.006	< 0.001	0.001
	Churn	01/13/2003	13:28	< 0.0004	0.0001	< 0.0009	0.0044	< 0.004	0.001
	Carboy	05/15/2003	13:41	< 0.0006	0.0003	< 0.03	0.00	< 0.003	0.001
	Churn	05/15/2003	13:42	< 0.0006	0.0002	0.25	0.01	< 0.003	0.001
	Jerrican	05/15/2003	13:45	< 0.0006	0.0002	< 0.03	0.00	< 0.003	0.001
Filter blank:									
	Setup	06/12/2001	–	< 0.005	0.003	1.2	0.0	< 0.2	0.1
	Setup	06/12/2001	–	< 0.005	0.005	1.3	0.1	< 0.2	0.0
	Gelman	08/21/2002	10:38	< 0.0008	0.0002	< 0.07	0.01	< 0.003	0.001
Process blank:									
	Holding bottle	01/31/2001	–	0.007	0.006	0.5	0.1	< 0.1	0.0
	Gelman	06/11/2001	–	< 0.005	0.003	1.9	0.1	< 0.2	0.1
	Gelman	06/12/2001	–	< 0.005	0.002	2.0	0.2	< 0.2	0.1
	Gelman	06/12/2001	–	< 0.005	0.002	1.6	0.3	< 0.2	0.1
	Gelman	06/12/2001	–	< 0.005	0.004	1.5	0.0	< 0.2	0.2
	Gelman	10/31/2001	11:15	0.0011	0.0007	0.04	0.00	0.009	0.003
	Gelman	02/13/2002	15:37	< 0.0005	0.0002	0.065	0.005	0.006	0.005
	Gelman	08/08/2002	10:30	< 0.0004	0.0006	0.022	0.013	0.008	0.002
	Gelman	09/10/2002	8:08	< 0.002	0.000	< 0.009	0.007	0.008	0.001
	Gelman	10/22/2002	10:18	< 0.002	0.001	0.011	0.011	0.006	0.004
	Gelman	11/12/2002	7:09	0.0004	0.0005	< 0.004	0.001	0.002	0.000
	Gelman	01/13/2003	13:28	< 0.0004	0.0002	0.067	0.001	< 0.004	0.003
	Churn plus Gelman	03/19/2003	14:58	< 0.0004	0.0003	0.028	0.002	< 0.003	0.000
	Churn plus Gelman	05/15/2003	13:44	< 0.0006	0.0005	0.17	0.01	< 0.003	0.003
Source blank:									
	MilliQ	10/31/2001	11:30	0.0008	0.0010	< 0.02	0.02	< 0.005	0.005
	Trace metals lab DI water	08/08/2002	10:30	< 0.0004	0.0003	< 0.006	0.007	< 0.002	0.002
	Trace metals lab DI water	10/22/2002	10:18	< 0.002	0.000	0.012	0.003	< 0.004	0.001
	Trace metals lab DI water	11/12/2002	7:07	< 0.0002	0.0002	0.014	0.007	< 0.001	0.000
	Trace metals lab DI water	01/13/2003	13:28	< 0.0004	0.0002	0.032	0.004	< 0.004	0.004

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Praseodymium (Pr) (µg/L)		Rubidium (Rb) (µg/L)		Rhenium (Re) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.007	0.001	< 0.01	0.01	< 0.002	0.001
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.001	0.000	< 0.01	0.01	< 0.002	0.001
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.001	0.001	< 0.01	0.01	< 0.002	0.001
Equipment blank:									
	Holding bottle	01/29/2001	–	0.018	0.000	0.08	0.01	< 0.003	0.001
	Tubing	02/13/2002	5:30	< 0.0001	0.0000	0.0028	0.0006	< 0.0002	0.0002
	Tubing	02/13/2002	5:30	< 0.0001	0.0000	0.0041	0.0008	< 0.0002	0.0001
	Jerrican	02/13/2002	15:36	< 0.0001	0.0000	0.0066	0.0003	< 0.0002	0.0000
	Churn	02/13/2002	15:37	< 0.0001	0.0001	0.0007	0.0003	< 0.0002	0.0001
	Churn	08/08/2002	10:30	< 0.0002	0.0000	< 0.0008	0.0001	< 0.0003	0.0001
	Churn	10/22/2002	10:18	< 0.0002	0.0002	0.002	0.001	< 0.0003	0.0002
	Churn	11/12/2002	7:08	< 0.0001	0.0000	< 0.002	0.001	< 0.0002	0.0000
	Churn	01/13/2003	13:28	< 0.0001	0.0000	< 0.0005	0.0005	< 0.0001	0.0001
	Carboy	05/15/2003	13:41	< 0.0001	0.0000	< 0.001	0.000	< 0.0001	0.0002
	Churn	05/15/2003	13:42	< 0.0001	0.0001	< 0.001	0.001	< 0.0001	0.0001
	Jerrican	05/15/2003	13:45	< 0.0001	0.0000	0.013	0.001	0.0002	0.0002
Filter blank:									
	Setup	06/12/2001	–	< 0.002	0.001	< 0.02	0.01	< 0.002	0.001
	Setup	06/12/2001	–	< 0.002	0.000	< 0.02	0.01	< 0.002	0.001
	Gelman	08/21/2002	10:38	< 0.0002	0.0001	< 0.001	0.001	< 0.0003	0.0001
Process blank:									
	Holding bottle	01/31/2001	–	0.003	0.001	0.028	0.002	0.002	0.001
	Gelman	06/11/2001	–	< 0.002	0.001	< 0.02	0.03	< 0.002	0.001
	Gelman	06/12/2001	–	< 0.002	0.000	< 0.02	0.01	< 0.002	0.000
	Gelman	06/12/2001	–	< 0.002	0.001	0.02	0.01	< 0.002	0.000
	Gelman	06/12/2001	–	< 0.002	0.000	0.03	0.01	< 0.002	0.001
	Gelman	10/31/2001	11:15	0.0001	0.0001	0.004	0.001	< 0.0002	0.0002
	Gelman	02/13/2002	15:37	< 0.0001	0.0001	0.0016	0.0011	< 0.0002	0.0000
	Gelman	08/08/2002	10:30	< 0.0002	0.0000	< 0.0008	0.0001	< 0.0003	0.0001
	Gelman	09/10/2002	8:08	< 0.0002	0.0001	< 0.002	0.001	< 0.0003	0.0000
	Gelman	10/22/2002	10:18	< 0.0002	0.0000	0.002	0.002	< 0.0003	0.0002
	Gelman	11/12/2002	7:09	< 0.0001	0.0000	< 0.002	0.000	< 0.0002	0.0001
	Gelman	01/13/2003	13:28	< 0.0001	0.0000	< 0.0005	0.0004	< 0.0001	0.0001
	Churn plus Gelman	03/19/2003	14:58	< 0.0002	0.0000	< 0.0006	0.0003	< 0.0001	0.0002
	Churn plus Gelman	05/15/2003	13:44	< 0.0001	0.0001	< 0.001	0.000	< 0.0001	0.0001
Source blank:									
	MilliQ	10/31/2001	11:30	0.0002	0.0002	< 0.003	0.001	< 0.0002	0.0001
	Trace metals lab DI water	08/08/2002	10:30	< 0.0002	0.0001	< 0.0008	0.0004	< 0.0003	0.0000
	Trace metals lab DI water	10/22/2002	10:18	< 0.0002	0.0001	0.004	0.001	< 0.0003	0.0002
	Trace metals lab DI water	11/12/2002	7:07	< 0.0001	0.0000	0.002	0.000	< 0.0002	0.0001
	Trace metals lab DI water	01/13/2003	13:28	< 0.0001	0.0000	< 0.0005	0.0003	< 0.0001	0.0001

Table E8. Blanks for filtered selected elements analyzed at theU.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Sulfur (S) (mg/L)		Antimony (Sb) (µg/L)		Selenium (Se) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.1	0.0	0.07	0.03	< 2	1
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.1	0.1	< 0.02	0.06	< 2	1
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.1	0.1	< 0.02	0.02	< 2	1
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.2	0.0	0.08	0.03	< 0.7	1.3
	Tubing	02/13/2002	5:30	< 0.04	0.02	< 0.003	0.001	< 0.1	0.1
	Tubing	02/13/2002	5:30	< 0.04	0.02	0.005	0.000	< 0.1	0.0
	Jerrican	02/13/2002	15:36	< 0.04	0.02	0.006	0.004	< 0.1	0.1
	Churn	02/13/2002	15:37	< 0.04	0.01	0.005	0.006	< 0.1	0.0
	Churn	08/08/2002	10:30	< 0.02	0.00	0.003	0.004	< 0.1	0.0
	Churn	10/22/2002	10:18	< 0.02	0.01	0.008	0.008	0.06	0.05
	Churn	11/12/2002	7:08	< 0.01	0.00	< 0.001	0.000	< 0.2	0.2
	Churn	01/13/2003	13:28	< 0.02	0.01	< 0.002	0.002	< 0.05	0.07
	Carboy	05/15/2003	13:41	< 0.02	0.01	< 0.01	0.01	< 0.07	0.04
	Churn	05/15/2003	13:42	< 0.02	0.01	< 0.01	0.01	< 0.07	0.03
	Jerrican	05/15/2003	13:45	< 0.02	0.01	< 0.01	0.00	< 0.07	0.02
Filter blank:									
	Setup	06/12/2001	–	< 0.2	0.1	< 0.03	0.02	< 2	1
	Setup	06/12/2001	–	< 0.2	0.0	< 0.03	0.02	< 2	0
	Gelman	08/21/2002	10:38	< 0.01	0.01	< 0.004	0.002	< 0.05	0.02
Process blank:									
	Holding bottle	01/31/2001	–	0.10	0.15	0.078	0.035	< 1	1
	Gelman	06/11/2001	–	< 0.2	0.1	< 0.03	0.01	< 2	0
	Gelman	06/12/2001	–	< 0.2	0.1	< 0.03	0.03	< 2	0
	Gelman	06/12/2001	–	< 0.2	0.0	0.13	0.01	< 2	1
	Gelman	06/12/2001	–	< 0.2	0.1	< 0.03	0.01	< 2	0
	Gelman	10/31/2001	11:15	< 0.02	0.00	0.078	0.008	< 0.2	0.1
	Gelman	02/13/2002	15:37	< 0.04	0.02	0.008	0.004	< 0.1	0.0
	Gelman	08/08/2002	10:30	0.02	0.03	0.004	0.002	< 0.1	0.0
	Gelman	09/10/2002	8:08	< 0.02	0.01	< 0.003	0.000	< 0.05	0.01
	Gelman	10/22/2002	10:18	< 0.02	0.01	0.005	0.005	< 0.05	0.02
	Gelman	11/12/2002	7:09	< 0.01	0.00	0.003	0.002	< 0.2	0.1
	Gelman	01/13/2003	13:28	< 0.02	0.01	< 0.002	0.002	0.07	0.10
	Churn plus Gelman	03/19/2003	14:58	< 0.01	0.01	< 0.006	0.000	< 0.07	0.02
	Churn plus Gelman	05/15/2003	13:44	< 0.02	0.00	< 0.01	0.00	< 0.07	0.04
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.02	0.01	0.073	0.003	< 0.2	0.1
	Trace metals lab DI water	08/08/2002	10:30	< 0.02	0.01	0.003	0.001	< 0.1	0.1
	Trace metals lab DI water	10/22/2002	10:18	< 0.02	0.02	< 0.003	0.001	< 0.05	0.01
	Trace metals lab DI water	11/12/2002	7:07	< 0.01	0.01	< 0.001	0.001	< 0.2	0.2
	Trace metals lab DI water	01/13/2003	13:28	< 0.02	0.01	< 0.002	0.001	< 0.05	0.05

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Silica (SiO_2) (mg/L)		Samarium (Sm) (µg/L)		Strontium (Sr) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.04	0.00	0.005	0.002	< 0.3	0.1
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.04	0.00	< 0.005	0.006	< 0.3	0.1
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.04	0.01	< 0.005	0.005	< 0.3	0.2
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.3	0.2	0.010	0.005	< 0.2	0.2
	Tubing	02/13/2002	5:30	< 0.3	0.1	< 0.0005	0.0006	1.0	0.0
	Tubing	02/13/2002	5:30	< 0.3	0.2	< 0.0005	0.0007	1.2	0.0
	Jerrican	02/13/2002	15:36	< 0.3	0.1	< 0.0005	0.0004	< 0.02	0.01
	Churn	02/13/2002	15:37	< 0.3	0.1	< 0.0005	0.0002	< 0.02	0.00
	Churn	08/08/2002	10:30	< 0.02	0.01	< 0.001	0.0005	< 0.02	0.00
	Churn	10/22/2002	10:18	< 0.07	0.01	< 0.001	0.000	< 0.02	0.01
	Churn	11/12/2002	7:08	< 0.02	0.01	< 0.0008	0.0011	< 0.04	0.04
	Churn	01/13/2003	13:28	< 0.07	0.02	< 0.0006	0.0004	< 0.01	0.02
	Carboy	05/15/2003	13:41	< 0.03	0.01	< 0.001	0.000	< 0.02	0.01
	Churn	05/15/2003	13:42	< 0.03	0.01	< 0.001	0.001	< 0.02	0.01
	Jerrican	05/15/2003	13:45	< 0.03	0.00	< 0.001	0.000	< 0.02	0.00
Filter blank:									
	Setup	06/12/2001	–	0.07	0.11	< 0.005	0.001	< 0.3	0.1
	Setup	06/12/2001	–	< 0.05	0.06	< 0.005	0.001	< 0.3	0.1
	Gelman	08/21/2002	10:38	< 0.04	0.00	< 0.0009	0.0008	< 0.01	0.01
Process blank:									
	Holding bottle	01/31/2001	–	< 0.2	0.1	< 0.007	0.003	< 0.3	0.1
	Gelman	06/11/2001	–	< 0.05	0.04	< 0.005	0.002	< 0.3	0.2
	Gelman	06/12/2001	–	0.07	0.10	< 0.005	0.003	< 0.3	0.1
	Gelman	06/12/2001	–	< 0.05	0.03	< 0.005	0.001	< 0.3	0.2
	Gelman	06/12/2001	–	< 0.05	0.02	< 0.005	0.001	< 0.3	0.0
	Gelman	10/31/2001	11:15	0.007	0.000	< 0.0007	0.0001	< 0.1	0.0
	Gelman	02/13/2002	15:37	< 0.3	0.3	< 0.0005	0.0001	0.02	0.02
	Gelman	08/08/2002	10:30	< 0.02	0.01	< 0.001	0.0005	< 0.02	0.01
	Gelman	09/10/2002	8:08	< 0.07	0.01	< 0.001	0.001	< 0.02	0.01
	Gelman	10/22/2002	10:18	< 0.07	0.02	< 0.001	0.001	< 0.02	0.01
	Gelman	11/12/2002	7:09	< 0.02	0.01	< 0.0008	0.0004	< 0.04	0.03
	Gelman	01/13/2003	13:28	< 0.07	0.03	< 0.0006	0.0000	0.02	0.02
	Churn plus Gelman	03/19/2003	14:58	< 0.01	0.00	0.0004	0.0001	< 0.01	0.01
	Churn plus Gelman	05/15/2003	13:44	< 0.03	0.01	< 0.001	0.000	< 0.02	0.01
Source blank:									
	MilliQ	10/31/2001	11:30	0.006	0.000	< 0.0007	0.0003	< 0.1	0.1
	Trace metals lab DI water	08/08/2002	10:30	< 0.02	0.01	< 0.001	0.0004	< 0.02	0.01
	Trace metals lab DI water	10/22/2002	10:18	< 0.07	0.02	< 0.001	0.001	< 0.02	0.01
	Trace metals lab DI water	11/12/2002	7:07	< 0.02	0.01	< 0.0008	0.0000	< 0.04	0.05
	Trace metals lab DI water	01/13/2003	13:28	< 0.07	0.02	< 0.0006	0.0005	0.03	0.02

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Terbium (Tb) (µg/L)		Tellurium (Te) (µg/L)		Thorium (Th) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	0.002	0.000	< 0.06	0.02	< 0.004	0.000
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.001	0.001	< 0.06	0.02	< 0.004	0.000
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.001	0.000	< 0.06	0.02	< 0.004	0.000
Equipment blank:									
	Holding bottle	01/29/2001	–	0.0029	0.0001	< 0.1	0.0	0.004	0.000
	Tubing	02/13/2002	5:30	< 0.0001	0.0001	< 0.008	0.001	< 0.0009	0.0001
	Tubing	02/13/2002	5:30	< 0.0001	0.0000	< 0.008	0.001	0.0023	0.0014
	Jerrican	02/13/2002	15:36	< 0.0001	0.0001	< 0.008	0.001	0.0018	0.0012
	Churn	02/13/2002	15:37	< 0.0001	0.0001	< 0.008	0.001	< 0.0009	0.0004
	Churn	08/08/2002	10:30	< 0.0001	0.0001	< 0.006	0.004	< 0.001	0.000
	Churn	10/22/2002	10:18	0.0001	0.0001	< 0.006	0.001	0.002	0.001
	Churn	11/12/2002	7:08	< 0.0002	0.0001	< 0.01	0.01	< 0.001	0.000
	Churn	01/13/2003	13:28	0.0001	0.0000	0.003	0.002	< 0.0004	0.0003
	Carboy	05/15/2003	13:41	< 0.0001	0.0000	< 0.007	0.002	< 0.0003	0.0002
	Churn	05/15/2003	13:42	< 0.0001	0.0000	< 0.007	0.003	< 0.0003	0.0003
	Jerrican	05/15/2003	13:45	< 0.0001	0.0000	< 0.007	0.007	< 0.0003	0.0000
Filter blank:									
	Setup	06/12/2001	–	< 0.001	0.000	< 0.03	0.06	< 0.002	0.000
	Setup	06/12/2001	–	< 0.001	0.001	< 0.03	0.01	< 0.002	0.001
	Gelman	08/21/2002	10:38	< 0.0002	0.0001	< 0.007	0.004	< 0.001	0.001
Process blank:									
	Holding bottle	01/31/2001	–	< 0.001	0.000	< 0.08	0.06	0.0063	0.0016
	Gelman	06/11/2001	–	< 0.001	0.001	< 0.03	0.02	< 0.002	0.001
	Gelman	06/12/2001	–	< 0.001	0.001	< 0.03	0.03	< 0.002	0.001
	Gelman	06/12/2001	–	< 0.001	0.000	< 0.03	0.01	< 0.002	0.001
	Gelman	06/12/2001	–	< 0.001	0.000	< 0.03	0.05	< 0.002	0.001
	Gelman	10/31/2001	11:15	< 0.0001	0.0001	< 0.005	0.004	< 0.001	0.003
	Gelman	02/13/2002	15:37	< 0.0001	0.0000	< 0.008	0.002	0.0040	0.0036
	Gelman	08/08/2002	10:30	< 0.0001	0.0000	< 0.006	0.004	< 0.001	0.000
	Gelman	09/10/2002	8:08	< 0.0001	0.0000	< 0.006	0.004	< 0.002	0.001
	Gelman	10/22/2002	10:18	< 0.0001	0.0001	< 0.006	0.003	< 0.002	0.001
	Gelman	11/12/2002	7:09	< 0.0002	0.0000	< 0.01	0.01	< 0.001	0.001
	Gelman	01/13/2003	13:28	< 0.0001	0.0000	< 0.003	0.003	< 0.0004	0.0000
	Churn plus Gelman	03/19/2003	14:58	< 0.0001	0.0000	< 0.006	0.001	< 0.0003	0.0011
	Churn plus Gelman	05/15/2003	13:44	< 0.0001	0.0000	< 0.007	0.002	< 0.0003	0.0001
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.0001	0.0000	< 0.005	0.002	< 0.001	0.001
	Trace metals lab DI water	08/08/2002	10:30	< 0.0001	0.0001	< 0.006	0.004	< 0.001	0.002
	Trace metals lab DI water	10/22/2002	10:18	< 0.0001	0.0001	< 0.006	0.001	< 0.002	0.000
	Trace metals lab DI water	11/12/2002	7:07	< 0.0002	0.0001	< 0.01	0.01	< 0.001	0.000
	Trace metals lab DI water	01/13/2003	13:28	0.0001	0.0001	< 0.003	0.001	< 0.0004	0.0006

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Thallium (Tl) (µg/L)		Thulium (Tm) (µg/L)		Uranium (U) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.04	0.02	< 0.001	0.001	< 0.006	0.001
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.04	0.02	< 0.001	0.001	< 0.006	0.000
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.04	0.01	< 0.001	0.001	< 0.006	0.001
Equipment blank:									
	Holding bottle	01/29/2001	–	< 0.02	0.02	< 0.0005	0.0001	0.010	0.001
	Tubing	02/13/2002	5:30	0.0011	0.0027	< 0.0002	0.0001	< 0.0006	0.0004
	Tubing	02/13/2002	5:30	0.0030	0.0012	< 0.0002	0.0000	0.0006	0.0006
	Jerrican	02/13/2002	15:36	0.0010	0.0011	< 0.0002	0.0000	< 0.0006	0.0001
	Churn	02/13/2002	15:37	< 0.0009	0.0002	< 0.0002	0.0001	< 0.0006	0.0001
	Churn	08/08/2002	10:30	< 0.003	0.002	< 0.0001	0.0000	< 0.0004	0.0002
	Churn	10/22/2002	10:18	< 0.002	0.002	< 0.0001	0.0001	< 0.0003	0.0001
	Churn	11/12/2002	7:08	< 0.002	0.000	< 0.0002	0.0001	< 0.0003	0.0000
	Churn	01/13/2003	13:28	0.002	0.003	< 0.0001	0.0001	< 0.0003	0.0003
	Carboy	05/15/2003	13:41	< 0.002	0.004	< 0.0001	0.0000	< 0.0003	0.0001
	Churn	05/15/2003	13:42	< 0.002	0.005	< 0.0001	0.0001	< 0.0003	0.0001
	Jerrican	05/15/2003	13:45	< 0.002	0.002	< 0.0001	0.0000	< 0.0003	0.0000
Filter blank:									
	Setup	06/12/2001	–	< 0.01	0.02	< 0.001	0.001	< 0.005	0.005
	Setup	06/12/2001	–	< 0.01	0.01	< 0.001	0.001	< 0.005	0.001
	Gelman	08/21/2002	10:38	< 0.003	0.001	< 0.0002	0.0001	< 0.0004	0.0008
Process blank:									
	Holding bottle	01/31/2001	–	< 0.02	0.00	< 0.0008	0.0003	0.0049	0.0048
	Gelman	06/11/2001	–	< 0.01	0.00	< 0.001	0.000	< 0.005	0.006
	Gelman	06/12/2001	–	< 0.01	0.01	< 0.001	0.001	< 0.005	0.003
	Gelman	06/12/2001	–	< 0.01	0.02	< 0.001	0.001	< 0.005	0.002
	Gelman	06/12/2001	–	< 0.01	0.01	< 0.001	0.000	< 0.005	0.003
	Gelman	10/31/2001	11:15	< 0.002	0.000	0.0001	0.0000	0.0044	0.0050
	Gelman	02/13/2002	15:37	0.0040	0.0043	< 0.0002	0.0000	0.0008	0.0009
	Gelman	08/08/2002	10:30	< 0.003	0.002	< 0.0001	0.0000	< 0.0004	0.0004
	Gelman	09/10/2002	8:08	< 0.002	0.001	< 0.0001	0.0001	< 0.0003	0.0001
	Gelman	10/22/2002	10:18	0.002	0.004	< 0.0001	0.0001	< 0.0003	0.0003
	Gelman	11/12/2002	7:09	< 0.002	0.001	< 0.0002	0.0001	< 0.0003	0.0001
	Gelman	01/13/2003	13:28	< 0.001	0.001	< 0.0001	0.0001	< 0.0003	0.0002
	Churn plus Gelman	03/19/2003	14:58	< 0.002	0.001	< 0.0001	0.0001	< 0.0002	0.0001
	Churn plus Gelman	05/15/2003	13:44	< 0.002	0.001	< 0.0001	0.0000	< 0.0003	0.0000
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.002	0.001	< 0.0001	0.0000	< 0.0007	0.0002
	Trace metals lab DI water	08/08/2002	10:30	< 0.003	0.002	< 0.0001	0.0001	< 0.0004	0.0004
	Trace metals lab DI water	10/22/2002	10:18	0.002	0.004	< 0.0001	0.0001	< 0.0003	0.0003
	Trace metals lab DI water	11/12/2002	7:07	< 0.002	0.000	< 0.0002	0.0000	< 0.0003	0.0002
	Trace metals lab DI water	01/13/2003	13:28	< 0.001	0.001	< 0.0001	0.0000	0.0006	0.0007

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Vanadium (V) (µg/L)		Yttrium (Y) (µg/L)		Ytterbium (Yb) (µg/L)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 2	1	0.032	0.006	< 0.003	0.002
Blank-DI plus acid plus digestion:		01/25/2002	–	< 2	1	0.003	0.001	< 0.003	0.000
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 2	1	< 0.002	0.001	< 0.003	0.003
Equipment blank:									
	Holding bottle	01/29/2001	–	< 1	0	0.028	0.004	< 0.003	0.003
	Tubing	02/13/2002	5:30	< 0.06	0.03	< 0.0002	0.0001	< 0.0004	0.0002
	Tubing	02/13/2002	5:30	< 0.06	0.06	0.0002	0.0000	< 0.0004	0.0001
	Jerrican	02/13/2002	15:36	< 0.06	0.05	< 0.0002	0.0000	< 0.0004	0.0002
	Churn	02/13/2002	15:37	< 0.06	0.06	< 0.0002	0.0001	< 0.0004	0.0002
	Churn	08/08/2002	10:30	< 0.1	0.0	0.0003	0.0003	< 0.0003	0.0002
	Churn	10/22/2002	10:18	< 0.03	0.02	< 0.0003	0.0001	< 0.0007	0.0002
	Churn	11/12/2002	7:08	< 0.04	0.02	< 0.0003	0.0003	< 0.0006	0.0001
	Churn	01/13/2003	13:28	< 0.03	0.02	< 0.0002	0.0001	0.0001	0.0000
	Carboy	05/15/2003	13:41	< 0.02	0.00	< 0.0002	0.0001	< 0.0003	0.0001
	Churn	05/15/2003	13:42	< 0.02	0.01	< 0.0002	0.0002	< 0.0003	0.0001
	Jerrican	05/15/2003	13:45	< 0.02	0.00	< 0.0002	0.0002	< 0.0003	0.0001
Filter blank:									
	Setup	06/12/2001	–	< 2	1	< 0.001	0.001	< 0.003	0.003
	Setup	06/12/2001	–	< 2	1	< 0.001	0.001	< 0.003	0.000
	Gelman	08/21/2002	10:38	< 0.1	0.1	< 0.0002	0.0001	< 0.0004	0.0001
Process blank:									
	Holding bottle	01/31/2001	–	< 1	1	0.003	0.001	0.002	0.002
	Gelman	06/11/2001	–	< 2	1	0.002	0.000	< 0.003	0.002
	Gelman	06/12/2001	–	< 2	0	< 0.001	0.001	< 0.003	0.001
	Gelman	06/12/2001	–	< 2	0	< 0.001	0.001	< 0.003	0.001
	Gelman	06/12/2001	–	< 2	1	< 0.001	0.000	< 0.003	0.001
	Gelman	10/31/2001	11:15	< 0.07	0.01	0.0016	0.0021	< 0.0002	0.0000
	Gelman	02/13/2002	15:37	< 0.06	0.06	< 0.0002	0.0001	< 0.0004	0.0003
	Gelman	08/08/2002	10:30	< 0.1	0.0	0.0006	0.0006	< 0.0003	0.0001
	Gelman	09/10/2002	8:08	< 0.03	0.01	< 0.0003	0.0001	< 0.0007	0.0001
	Gelman	10/22/2002	10:18	< 0.03	0.01	< 0.0003	0.0003	< 0.0007	0.0001
	Gelman	11/12/2002	7:09	< 0.04	0.02	< 0.0003	0.0000	< 0.0006	0.0000
	Gelman	01/13/2003	13:28	< 0.03	0.02	< 0.0002	0.0002	0.0001	0.0001
	Churn plus Gelman	03/19/2003	14:58	< 0.02	0.02	< 0.0002	0.0000	< 0.0002	0.0001
	Churn plus Gelman	05/15/2003	13:44	< 0.02	0.00	< 0.0002	0.0001	< 0.0003	0.0000
Source blank:									
	MilliQ	10/31/2001	11:30	< 0.07	0.02	< 0.0002	0.0000	< 0.0002	0.0001
	Trace metals lab DI water	08/08/2002	10:30	< 0.1	0.0	< 0.0002	0.0001	< 0.0003	0.0002
	Trace metals lab DI water	10/22/2002	10:18	< 0.03	0.01	< 0.0003	0.0002	< 0.0007	0.0002
	Trace metals lab DI water	11/12/2002	7:07	< 0.04	0.02	< 0.0003	0.0000	< 0.0006	0.0004
	Trace metals lab DI water	01/13/2003	13:28	< 0.03	0.01	< 0.0002	0.0001	< 0.0001	0.0001

Table E8. Blanks for filtered selected elements analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.—*Continued*

[Avg, average; s.d., standard deviation; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; MilliQ, water deionizer manufactured by Millipore, Inc.; mg/L, milligram per liter; µg/L, microgram per liter; <, less than; M, not determined. Replicate is 1 of 1]

Blank Type	Comment	Date	Time	Zinc (Zn) (µg/L)		Zirconium (Zr) (µg/L)	
				Avg	s.d.	Avg	s.d.
Blank-DI plus acid blank:		01/25/2002	–	< 0.6	0.4	< 0.01	0.00
Blank-DI plus acid plus digestion:		01/25/2002	–	< 0.6	0.2	< 0.01	0.00
Blank-DI plus acid plus digestion plus filter:		01/25/2002	–	< 0.6	0.1	< 0.01	0.00
Equipment blank:							
	Holding bottle	01/29/2001	–	40	1	0.03	0.01
	Tubing	02/13/2002	5:30	0.18	0.03	0.0043	0.0049
	Tubing	02/13/2002	5:30	0.13	0.02	0.0057	0.0004
	Jerrican	02/13/2002	15:36	0.68	0.04	0.0057	0.0017
	Churn	02/13/2002	15:37	0.45	0.02	0.0046	0.0009
	Churn	08/08/2002	10:30	0.17	0.08	< 0.001	0.0014
	Churn	10/22/2002	10:18	0.55	0.02	< 0.001	0.000
	Churn	11/12/2002	7:08	0.83	0.38	0.019	0.024
	Churn	01/13/2003	13:28	0.05	0.00	< 0.0005	0.0001
	Carboy	05/15/2003	13:41	0.17	0.08	0.0009	0.0009
	Churn	05/15/2003	13:42	< 0.09	0.01	0.0016	0.0018
	Jerrican	05/15/2003	13:45	< 0.09	0.03	0.0014	0.0028
Filter blank:							
	Setup	06/12/2001	–	< 2	1	< 0.01	0.00
	Setup	06/12/2001	–	3	1	< 0.01	0.01
	Gelman	08/21/2002	10:38	0.26	0.03	< 0.001	0.001
Process blank:							
	Holding bottle	01/31/2001	–	2.6	0.5	0.013	0.003
	Gelman	06/11/2001	–	3	0	< 0.01	0.00
	Gelman	06/12/2001	–	< 2	1	< 0.01	0.00
	Gelman	06/12/2001	–	3	3	< 0.01	0.01
	Gelman	06/12/2001	–	3	0	< 0.01	0.00
	Gelman	10/31/2001	11:15	0.76	0.21	< 0.0009	0.0009
	Gelman	02/13/2002	15:37	0.64	0.03	0.0026	0.0003
	Gelman	08/08/2002	10:30	0.26	0.06	< 0.001	0.0009
	Gelman	09/10/2002	8:08	0.23	0.01	< 0.001	0.001
	Gelman	10/22/2002	10:18	0.49	0.01	< 0.001	0.001
	Gelman	11/12/2002	7:09	0.49	0.04	0.0029	0.0019
	Gelman	01/13/2003	13:28	0.31	0.11	< 0.0005	0.0004
	Churn plus Gelman	03/19/2003	14:58	0.34	0.02	0.0007	0.0006
	Churn plus Gelman	05/15/2003	13:44	0.19	0.05	< 0.0008	0.0009
Source blank:							
	MilliQ	10/31/2001	11:30	0.36	0.02	0.0014	0.0008
	Trace metals lab DI water	08/08/2002	10:30	0.26	0.04	< 0.001	0.0005
	Trace metals lab DI water	10/22/2002	10:18	1.3	0.4	0.001	0.001
	Trace metals lab DI water	11/12/2002	7:07	0.43	0.00	0.0012	0.0000
	Trace metals lab DI water	01/13/2003	13:28	0.13	0.02	< 0.0005	0.0002

Table E9. Blanks for anions analyzed at the U.S. Geological Survey laboratory, Boulder, Colorado.

[Gelman, capsule filter manufactured by Pall Gelman Sciences, Inc.; trace metals lab, trace metals laboratory, Sacramento, California; DI, deionized; mg/L, milligram per liter]

Blank type	Comment	Date	Time	Chloride (Cl) (mg/L)	Sulfate (SO_4) (mg/L)
Equipment blank:					
	Churn	08/08/2002	10:30	<0.02	<0.02
	Churn	08/21/2002	10:39	0.12	<0.10
	Churn	08/21/2002	8:07	0.51	0.53
	Churn	03/19/2003	14:56	<0.02	0.04
	Jerrican	03/19/2003	14:57	<0.02	0.04
	Churn	05/15/2003	13:45	<0.02	<0.02
	Jerrican	05/15/2003	13:45	<0.02	<0.02
Filter blank:					
	Gelman	08/21/2002	10:38	0.14	<0.10
	Churn + Gelman	03/19/2003	14:58	<0.02	0.04
	Churn + Gelman	05/15/2003	13:44	<0.02	<0.02
Process blank:	Gelman	10/31/2001	11:15	0.08	0.32
	Gelman	08/08/2002	10:30	<0.02	<0.02
	Gelman	08/21/2002	8:08	0.53	0.54
Source blank:					
	Trace metals lab DI water	08/08/2002	10:30	<0.02	<0.02
	Trace metals lab DI water	08/21/2002	10:37	<0.05	<0.10
	Trace metals lab DI water	08/21/2002	8:06	0.08	0.53
	Carboy	03/19/2003	14:55	<0.02	0.03
	Carboy	05/15/2003	13:44	<0.02	<0.02

Table E10. Blanks for nutrients and organic carbon analyzed at the U.S. Geological Survey National Water Quality Laboratory.

[The number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological survey computerized data system. NWQL, U.S. Geological Survey National Water Quality Laboratory. mg/L, milligram per liter; µg/L, microgram per liter; E, estimated value; <, less than, –, not determined]

																NWQL lot number	
Comment	Date	Time	Nitrogen, ammonia plus organic, filtered (mg/L as N) (00623)	Nitrogen, ammonia plus organic, unfiltered (mg/L as N) (00625)	Nitrogen, ammonia, filtered (mg/L as N) (00608)	Nitrogen, nitrite plus nitrate, filtered (mg/L as N) (00631)	Nitrogen, nitrite, filtered (mg/L as N) (00613)	Total nitrogen, particulate (mg/L) (49570)	Phosphorus, ortho phosphate, filtered (mg/L as P) (00671)	Total phosphorus, filtered (mg/L as P) (00666)	Total phosphorus, unfiltered (mg/L as P) (00665)	Total carbon, inorganic, particulate (mg/L as C) (00694	Total carbon, inorganic, particulate (mg/L as C) (00688)	Carbon, organic, particulate (mg/L as C) (00689)	Carbon, organic, filtered (mg/L as C) (00681)	Inorganic Grade Water	Organic Grade Water
Process blank:																	
Gelman capsule filter	10/22/2002	10:18	<0.1	<0.1	<0.04	<0.06	<0.008	–	<0.02	<0.004	<0.004	–	–	–	E0.2	–	–
Gelman capsule filter	03/18/2003	09:38	<0.1	<0.1	<0.04	<0.06	<0.008	–	<0.02	<0.004	<0.004	–	–	–	<0.3	2262	42044
Gelman capsule filter	11/12/2002	07:08	<0.1	<0.1	<0.04	<0.06	<0.008	–	<0.02	<0.004	<0.004	–	–	–	<0.3	2262	42044
Gelman capsule filter	06/30/2003	09:31	<0.1	<0.1	<0.04	<0.06	<0.008	<0.02	<0.02	<0.004	<0.004	<0.1	<0.1	<0.1	0.4	3037	80203

Table E11. Detection limits for trace metals and selected major elements determined by inductively coupled plasma methods, U.S. Geological Survey laboratory in Boulder, Colorado.

[Information represents a summary of all results for the laboratory during the period (2001–04) when samples from the present study were analyzed. DL, detection limit; n, number of determinations of standard reference materials; na, not applicable; mg/L, milligram per liter; µg/L, microgram per liter]

Element	Units	Filtered water		Unfiltered water		Sediment digests	
		DL	n	DL	n	DL	n
Aluminum (Al)	µg/L	0.070	599	0.53	631	2.1	212
Arsenic (As)	µg/L	0.019	597	52	723	0.14	222
Boron (B)	µg/L	0.70	548	6.5	531	6.9	244
Barium (Ba)	µg/L	0.0051	616	0.040	667	0.044	221
Beryllium (Be)	µg/L	0.0074	598	0.050	687	0.036	221
Bismuth (Bi)	µg/L	0.0012	589	0.010	688	0.0094	227
Calcium (Ca)	mg/L	0.0043	762	0.023	685	0.019	277
Cadmium (Cd)	µg/L	0.0031	615	0.024	668	0.019	222
Cerium (Ce)	µg/L	0.00023	589	0.0019	687	0.0046	223
Cobalt (Co)	µg/L	0.0021	580	0.017	678	0.021	219
Chromium (Cr)	µg/L	0.13	573	1.2	672	0.86	215
Cesium (Cs)	µg/L	0.0073	571	0.046	685	0.051	225
Copper (Cu)	µg/L	0.021	589	0.15	652	0.18	223
Dysprosium (Dy)	µg/L	0.00042	597	0.0042	707	0.0043	231
Erbium (Er)	µg/L	0.00050	604	0.0044	696	0.0045	227
Europium (Er)	µg/L	0.00022	595	0.0022	714	0.0018	231
Iron (Fe)	µg/L	0.52	740	5.6	691	22	260
Gadolinium (Gd)	µg/L	0.00047	600	0.0038	699	0.0042	231
Holmium (Ho)	µg/L	0.00011	605	0.0011	704	0.0011	232
Potassium (K)	mg/L	0.016	582	0.12	668	0.12	225
Lanthanum (La)	µg/L	0.00019	585	0.0017	699	0.0027	225
Lithium (Li)	µg/L	0.014	569	0.10	653	0.13	222
Lutetium (Lu)	µg/L	0.00011	600	0.0012	704	0.0011	229
Magnesium (Mg)	mg/L	0.0020	737	0.0043	668	0.0055	266
Manganese (Mn)	µg/L	0.054	759	0.37	681	0.41	277
Molybdenum (Mo)	µg/L	0.041	630	0.42	697	0.37	227
Sodium (Na)	mg/L	0.0073	297	0.046	408	0.064	90
Neodymium (Nd)	µg/L	0.00055	592	0.0059	695	0.0071	224
Nickel (Ni)	µg/L	0.014	559	0.10	661	0.081	217
Lead (Pb)	µg/L	0.0046	574	0.041	627	0.064	202
Praseodymium (Pr)	µg/L	0.00015	588	0.0013	695	0.0017	229
Rubidium (Rb)	µg/L	0.0013	582	0.010	679	0.055	227
Rhenium (Re)	µg/L	0.00023	598	0.0023	702	0.0023	229
Sulfur (S)	mg/L	0.018	753	0.17	693	0.18	276
Antimony (Sb)	µg/L	0.0035	579	0.036	682	0.028	227
Selenium (Se)	µg/L	0.098	576	0.92	673	0.79	222
Silica (SiO_2)	mg/L	0.029	737	0.11	657	na	262
Samarium (Sm)	µg/L	0.00076	600	0.0069	697	0.0076	228
Strontium (Sr)	µg/L	0.022	585	0.23	682	0.17	224
Terbium (Tb)	µg/L	0.00011	600	0.0011	708	0.0010	228
Tellurium (Te)	µg/L	0.0065	592	0.068	691	0.052	220
Thorium (Th)	µg/L	0.00064	585	0.0068	678	0.0022	224
Titanium (Ti)	µg/L	na	781	2.3	717	4.0	275
Thallium (Tl)	µg/L	0.0033	583	0.034	689	0.048	223
Thulium (Tm)	µg/L	0.00010	598	0.00092	697	0.00094	229
Uranium (U)	µg/L	0.00051	578	0.0048	669	0.0052	218
Vanadium (V)	µg/L	0.060	545	2.0	642	0.56	223
Tungsten (W)	µg/L	0.0024	586	0.020	675	0.022	228
Yttrium (Y)	µg/L	0.00023	584	0.0019	690	0.0032	227
Ytterbium (Yb)	µg/L	0.00030	592	0.0031	710	0.0028	229
Zinc (Zn)	µg/L	0.071	596	0.57	642	0.98	215
Zirconium (Zr)	µg/L	0.0011	588	0.013	675	0.0075	223

Table E12. Selected trace elements with regression correlation coefficients (R^2) for correlation plots of observed versus reported values of analysis of standard reference materials.

Element	R^2
Aluminum (Al)	0.9985
Arsenic (As)	0.9998
Boron (B)	0.9984
Barium (Ba)	0.9999
Beryllium (Be)	1.0000
Cadmium (Cd)	1.0000
Cobalt (Co)	1.0000
Chromium (Cr)	0.9997
Copper (Cu)	1.0000
Lithium (Li)	0.9996
Manganese (Mn)	1.0000
Molybdenum (Mo)	1.0000
Nickel (Ni)	0.9991
Lead (Pb)	1.0000
Antimony (Sb)	0.9999
Selenium (Se)	0.9969
Strontium (Sr)	1.0000
Thallium (Tl)	0.9993
Uranium (U)	0.9973
Vanadium (V)	0.9998
Zinc (Zn)	0.9997

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Appendix F. Quality Assurance and Quality Control Figures.

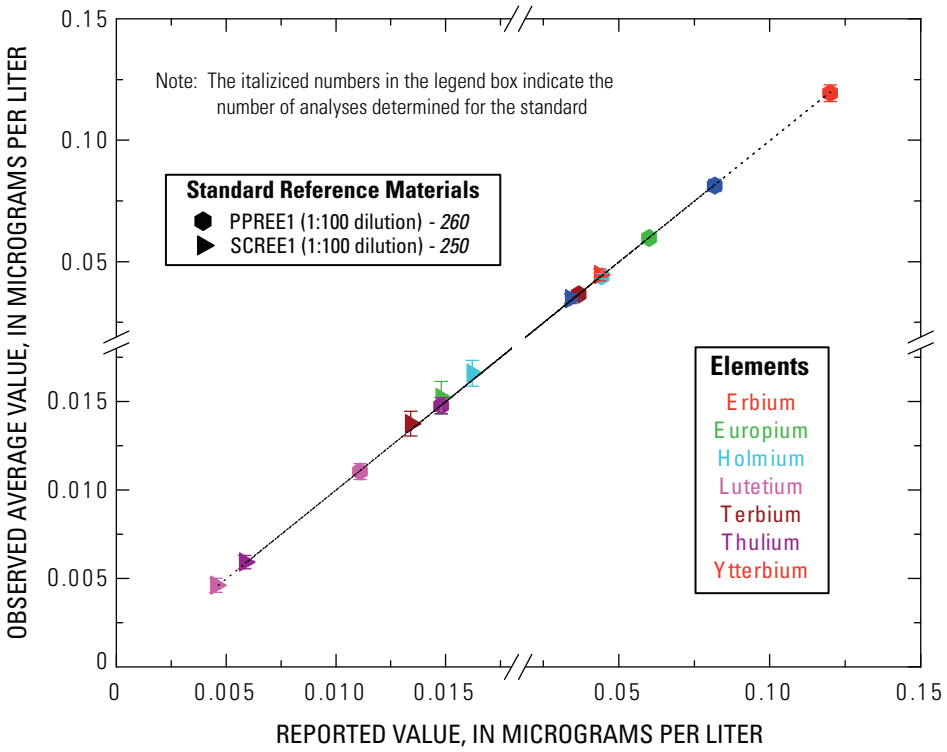

Figure F1. Correlation plot of observed values versus reported values for erbium, europium, holmium, lutetium, terbium, thulium, and ytterbium determined in standard reference materials.

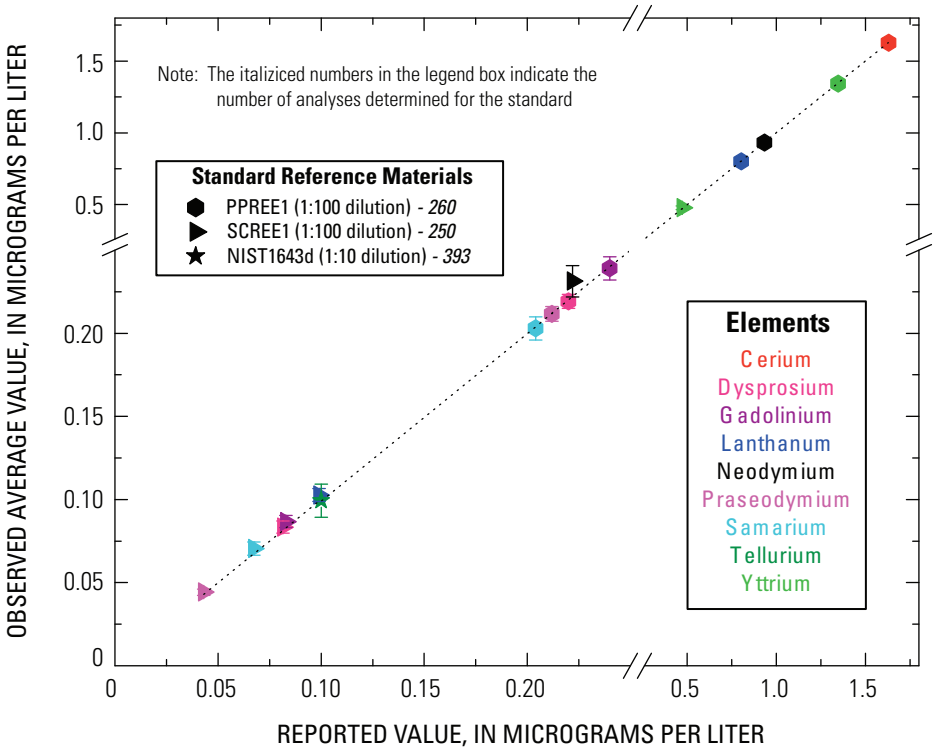

Figure F2. Correlation plot of observed values versus reported values for cerium, dysprosim, gadolinim, lanthanum, neodymium, praseodymium, samarium, tellurium, and yttrium determined in standard reference materials.

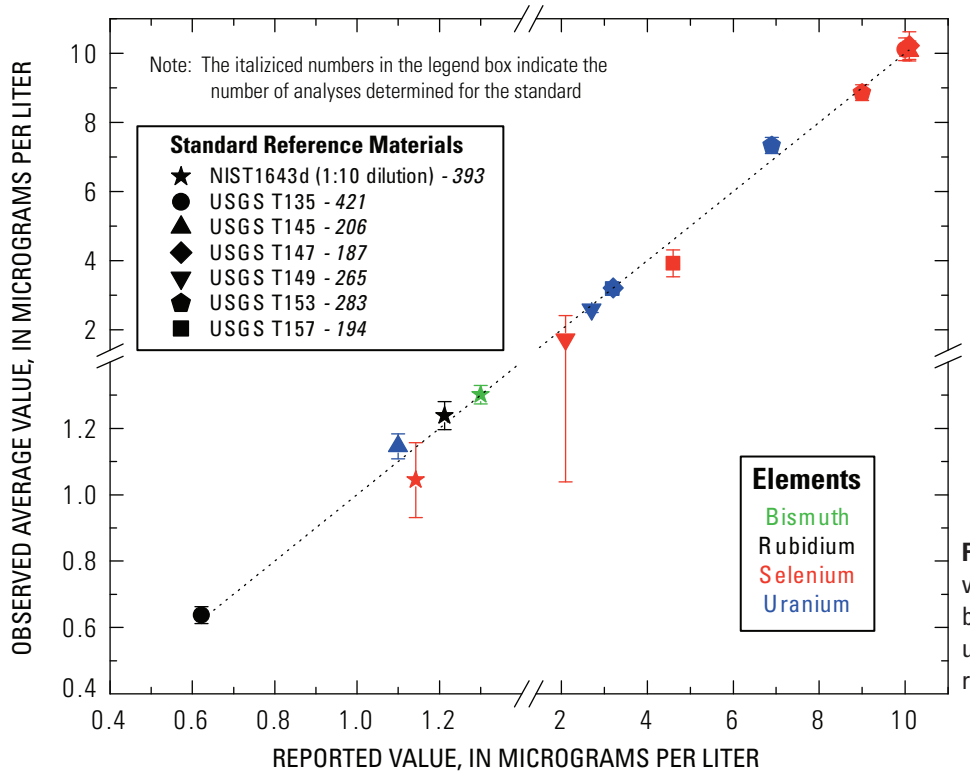

Figure F3. Correlation plot of observed values versus reported values for bismuth, rubidium, selenium, and uranium determined in standard reference materials.

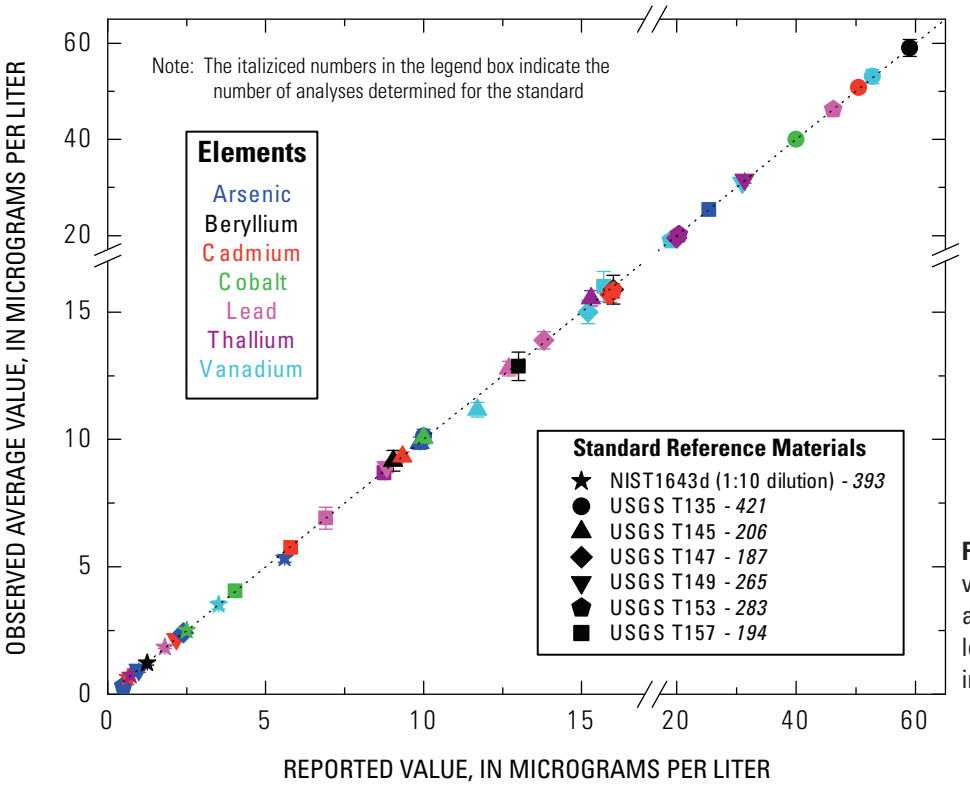

Figure F4. Correlation plot of observed values versus reported values for arsenic, beryllium, cadmium, cobalt, lead, thallium, and vanadium determined in standard reference materials.

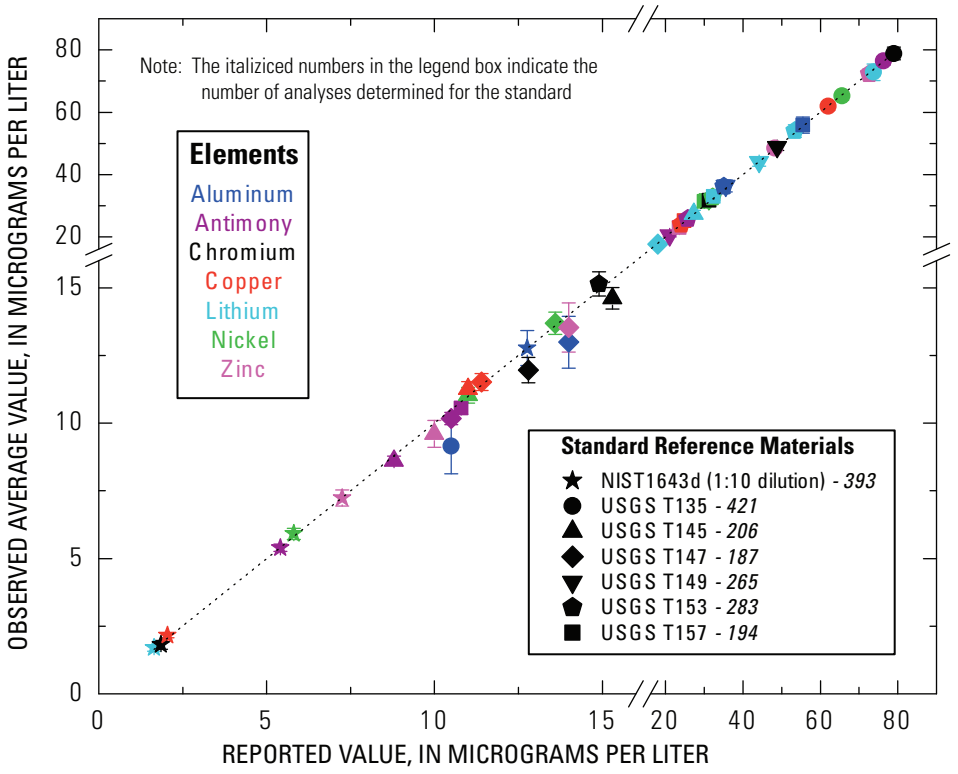

Figure F5. Correlation plot of observed values versus reported values for aluminum, antimony, chromium, copper, lithium, nickel, and zinc determined in standard reference materials.

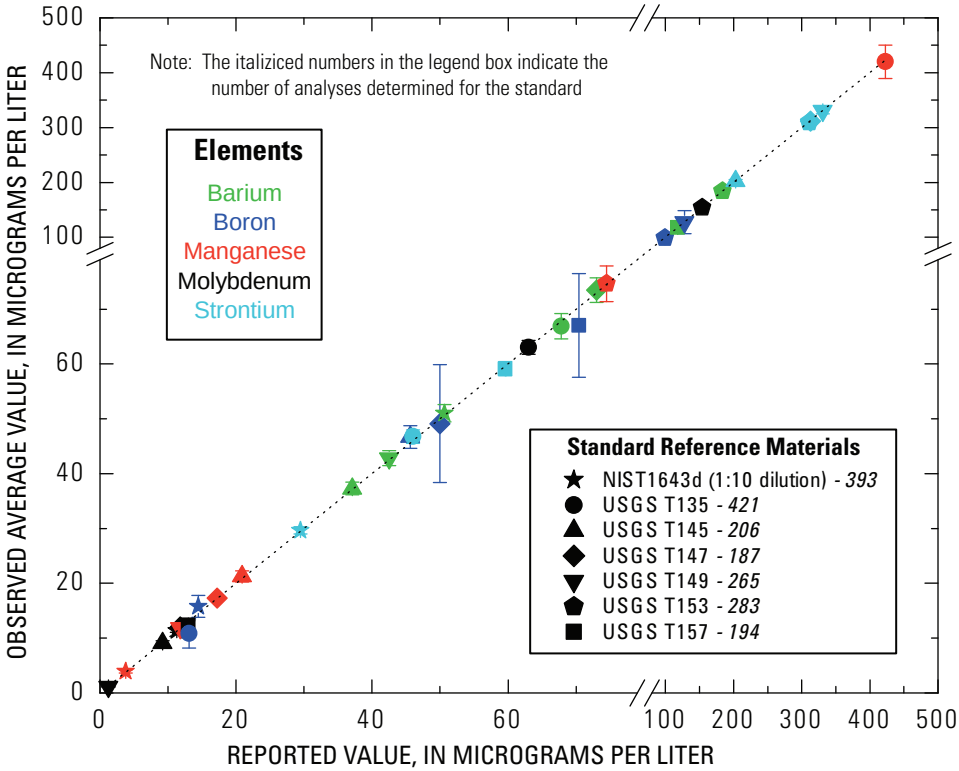

Figure F6. Correlation plot of observed values versus reported values for barium, boron, manganese, molybdenum, and strontium determined in standard reference materials.

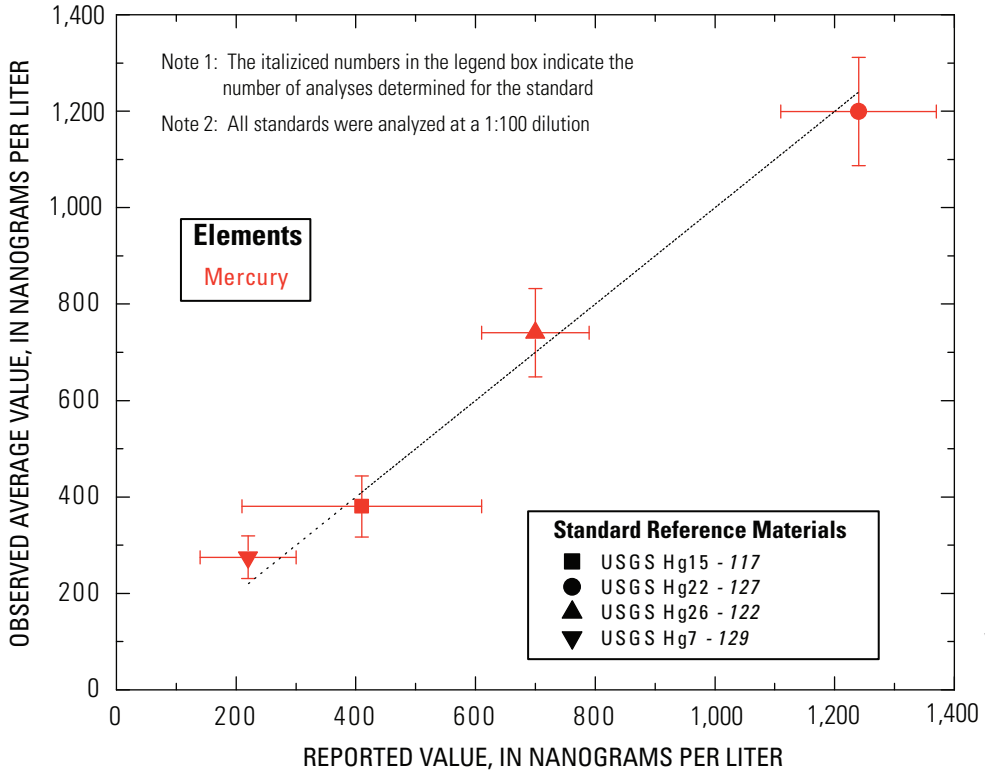

Figure F7. Correlation plot of observed values versus reported values for mercury determined in standard reference materials.

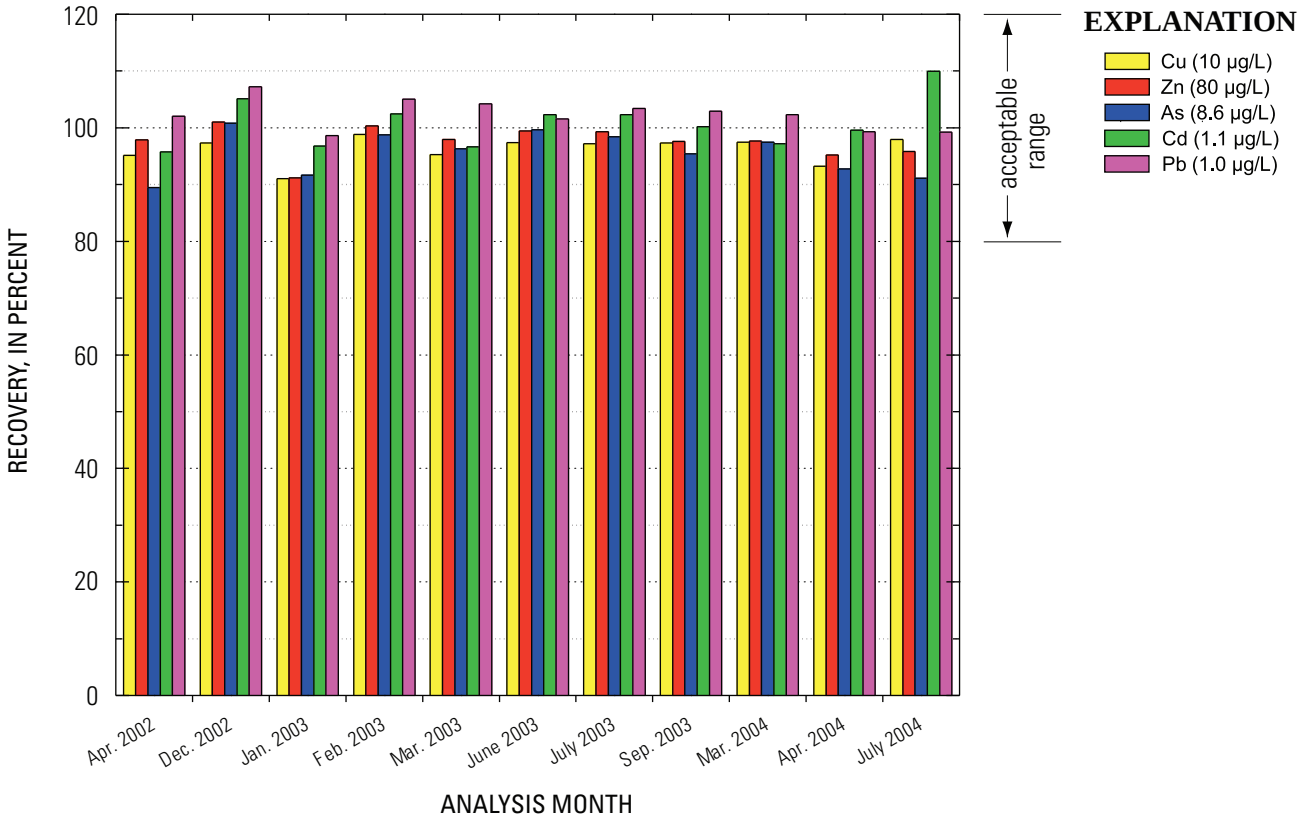

Figure F8. Bar graph plotting recovery (in percent) for arsenic (As), cadmium (Cd), copper (Cu), lead (Pb), and zinc (Zn) spiked in blanks for selected analysis dates.

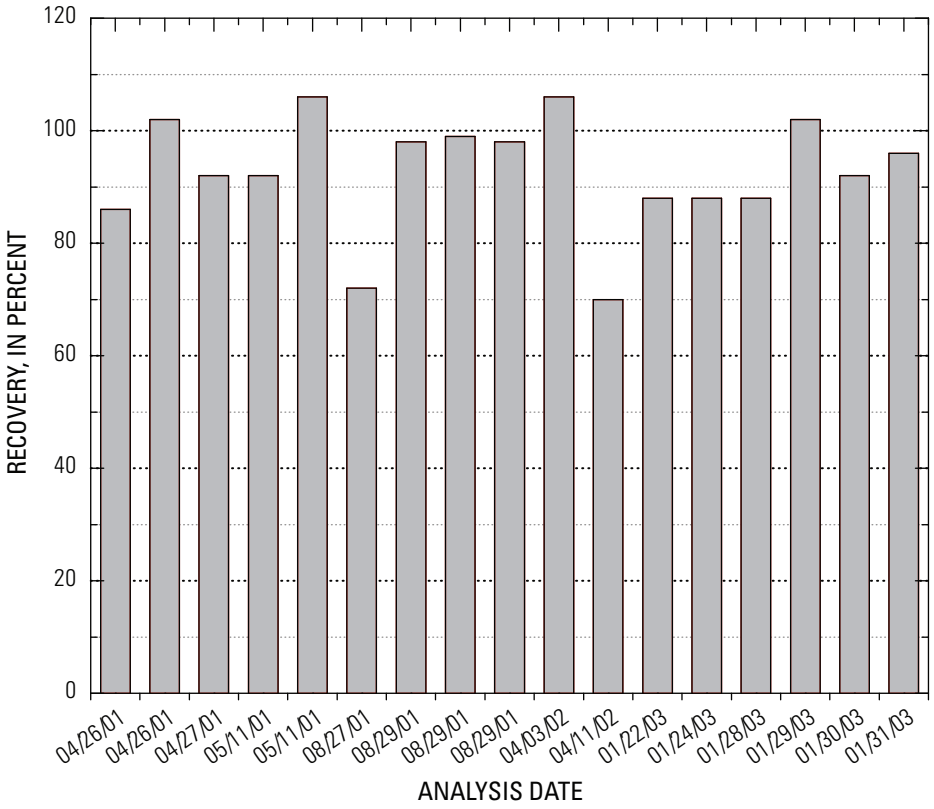

Figure F9. Bar graph plotting recovery (in percent) for mercury (Hg) spiked in blanks for selected analysis dates.

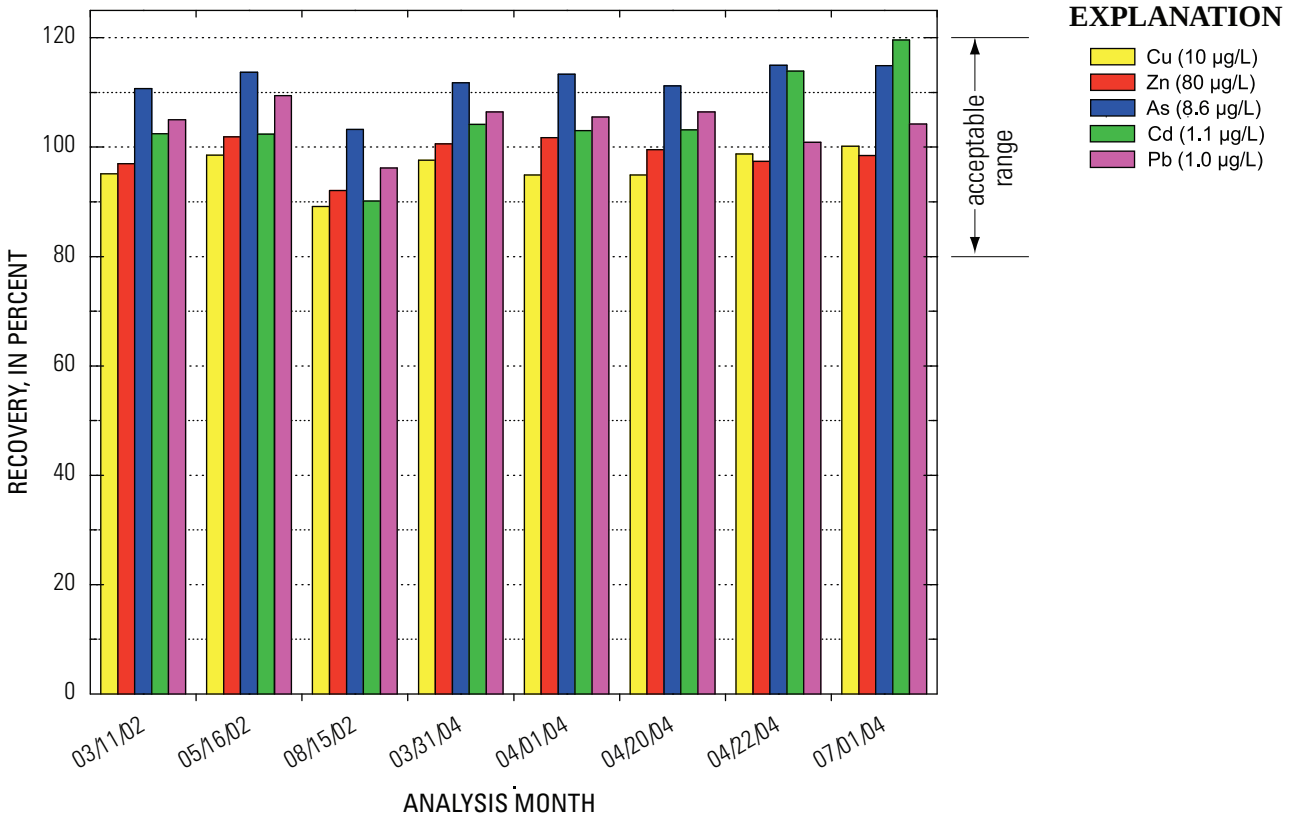

Figure F10. Bar graph plotting recovery (in percent) for beryllium (Be), cadmium (Cd), copper (Cu), and zinc (Zn) spiked in samples for selected analysis dates.

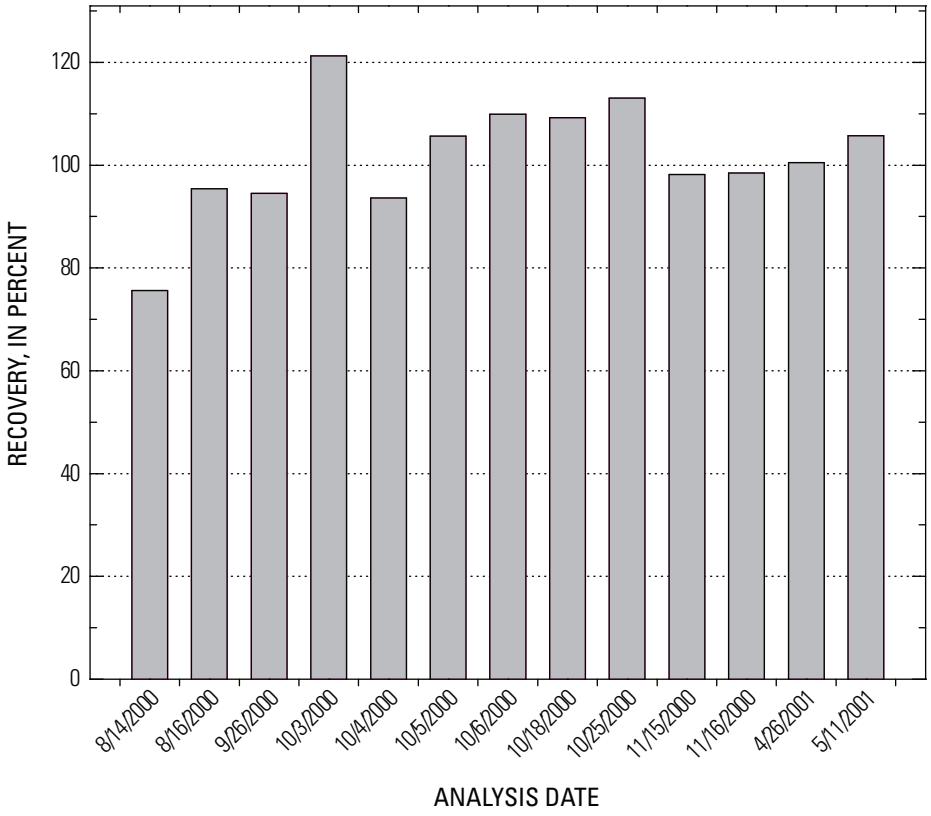

Figure F11. Bar graph plotting recovery (in percent) for mercury spiked in samples for selected analysis dates.

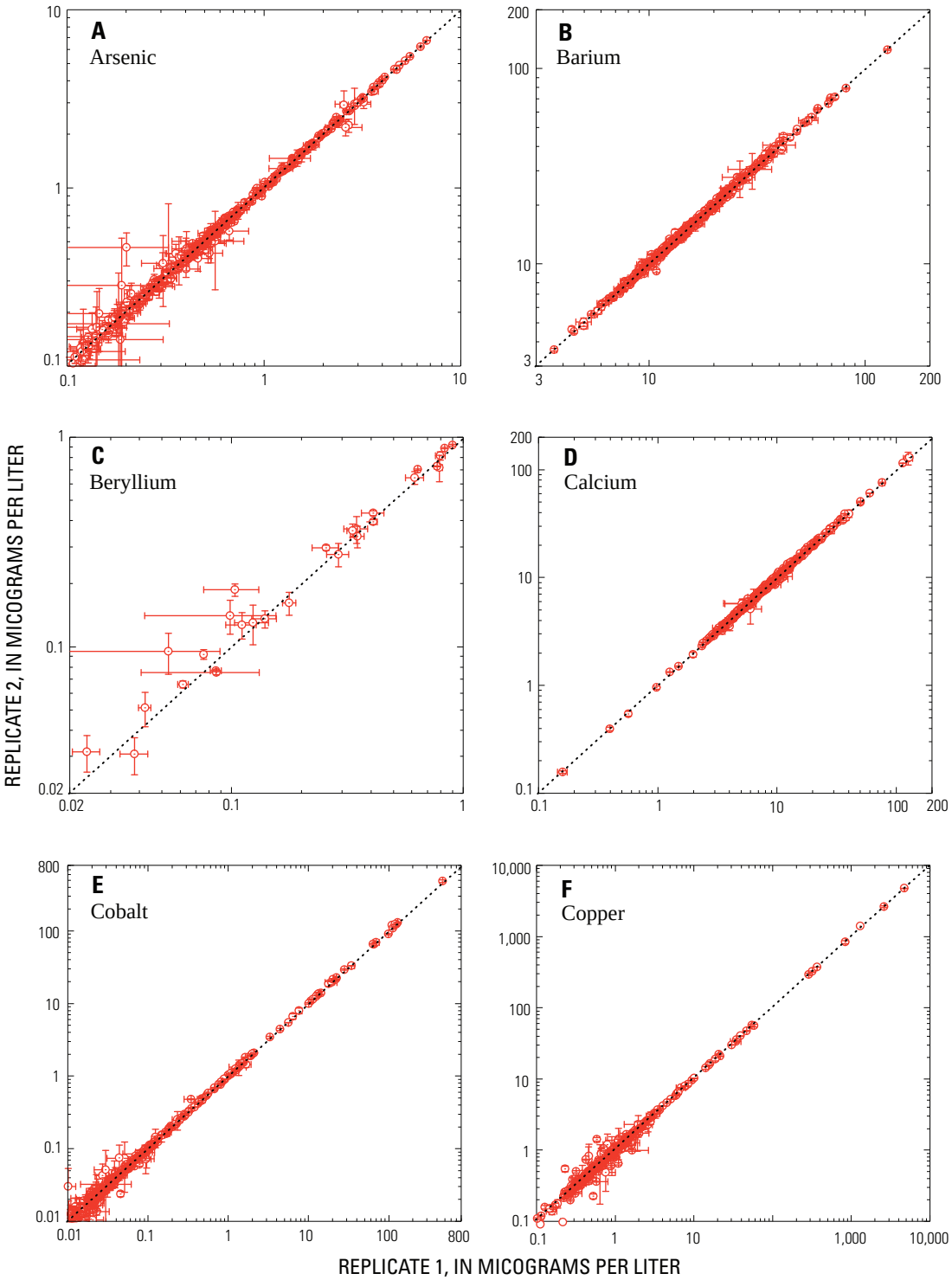

Figure F12. Correlation plots of field duplicate analyses of six elements: (A) arsenic, (B) barium, (C) beryllium, (D) calcium, (E) cobalt, and (F) copper, determined on field duplicate samples. (Each duplicate sample analyzed in triplicate; mean value shown with standard deviation.)

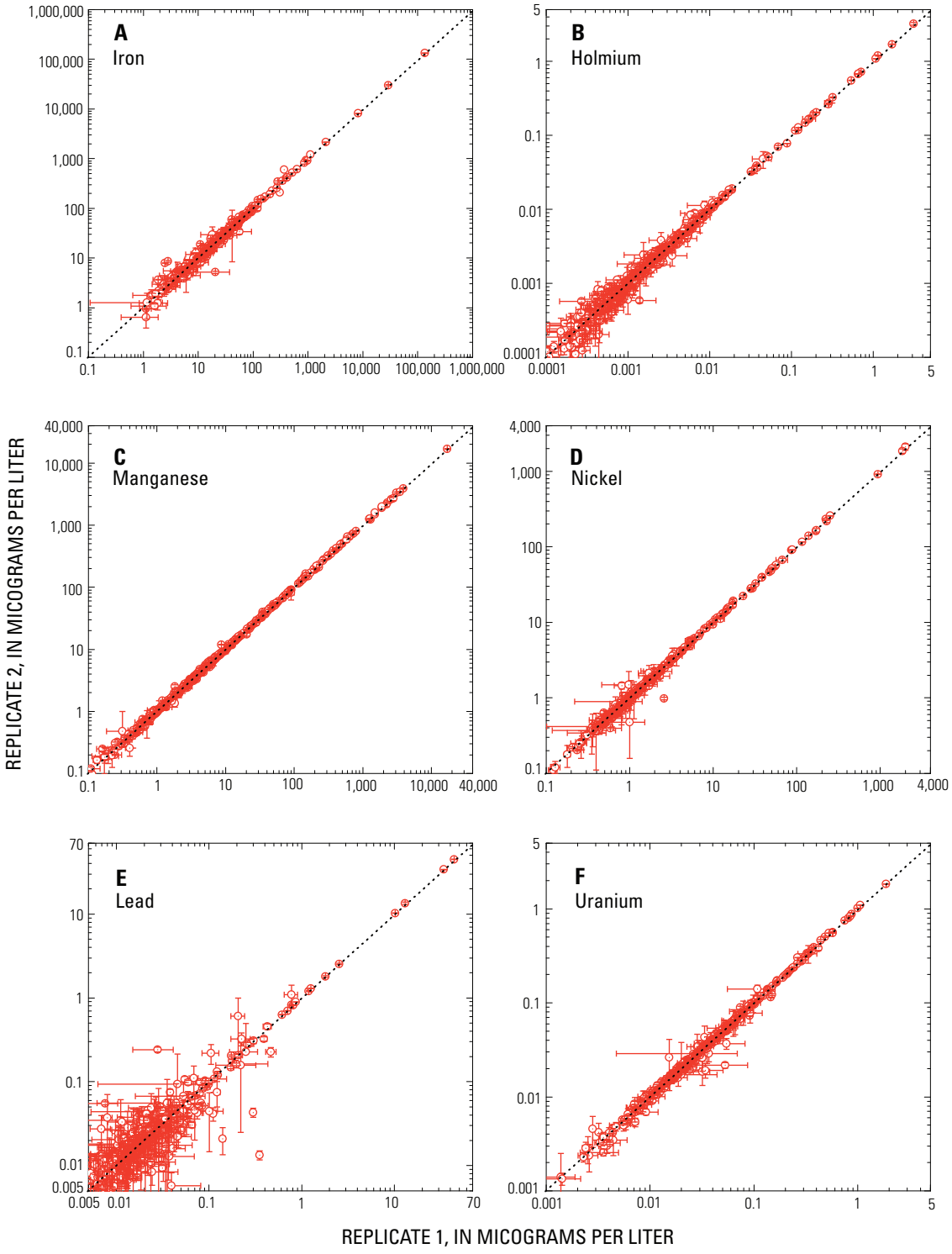

Figure F13. Correlation plots of field duplicate analyses of six elements: (A) iron, (B) holmium, (C) manganese, (D) nickel, (E) lead, and (F) antimony.

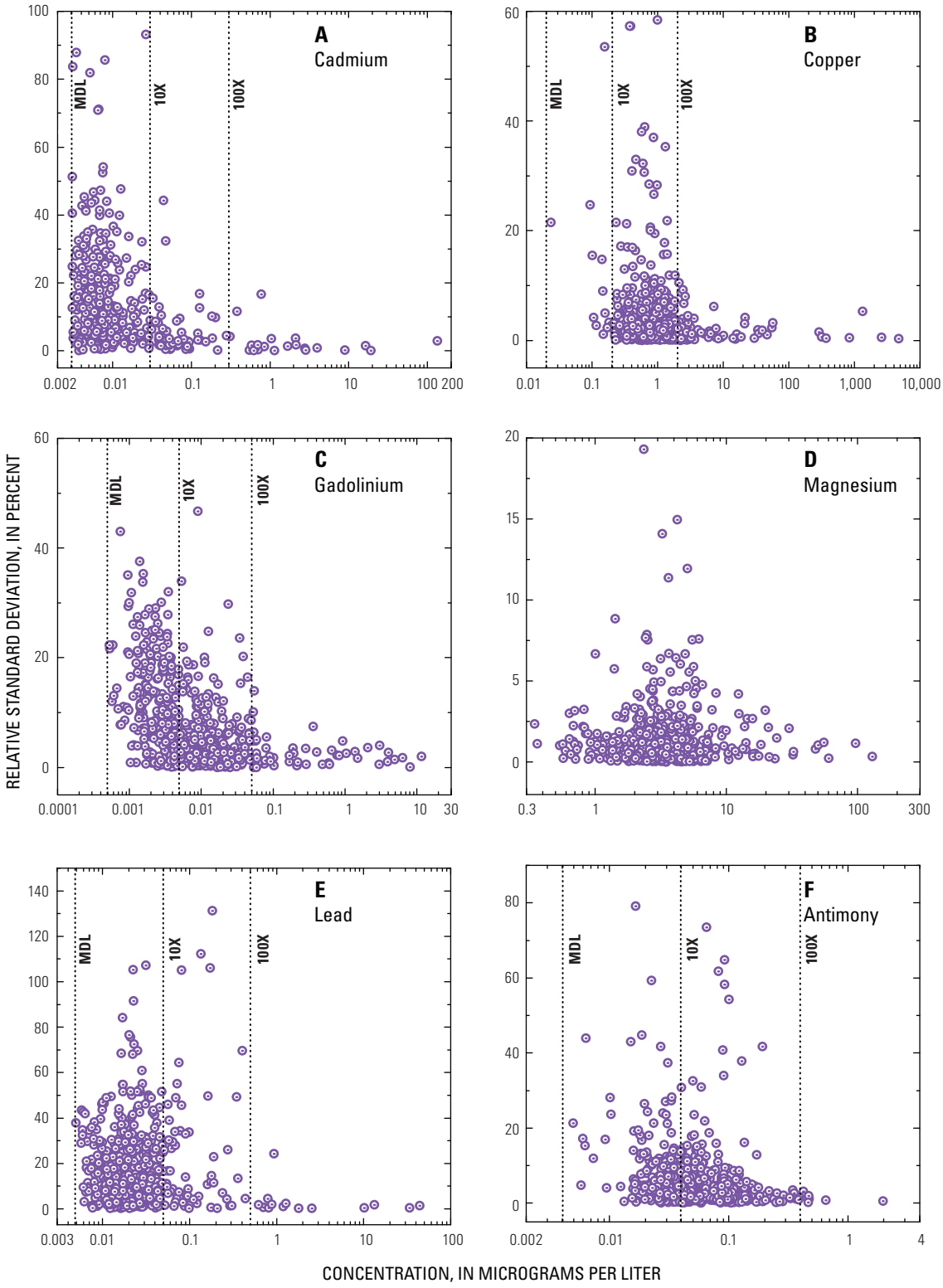

Figure F14. Plots of percent relative standard deviation versus concentration for six elements: (A) cadmium, (B) copper, (C) gadolinium, (D) magnesium, (E) lead, and (F) antimony. MDL, method detection limit; 10X, ten times MDL; 100X, one hundred times MDL.

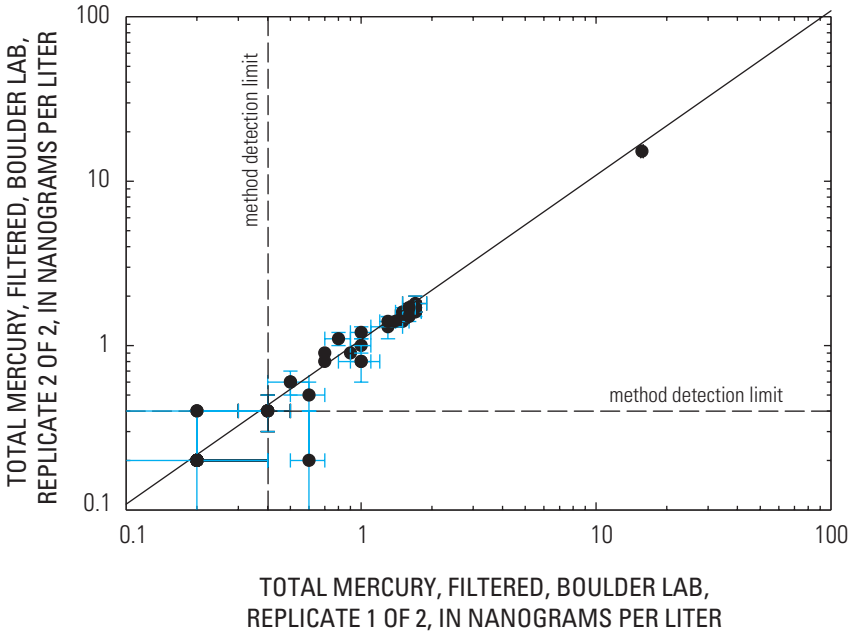

Figure F15. Correlation plot of field duplicates for mercury in filtered water, U.S. Geological Survey laboratory in Boulder, Colorado.

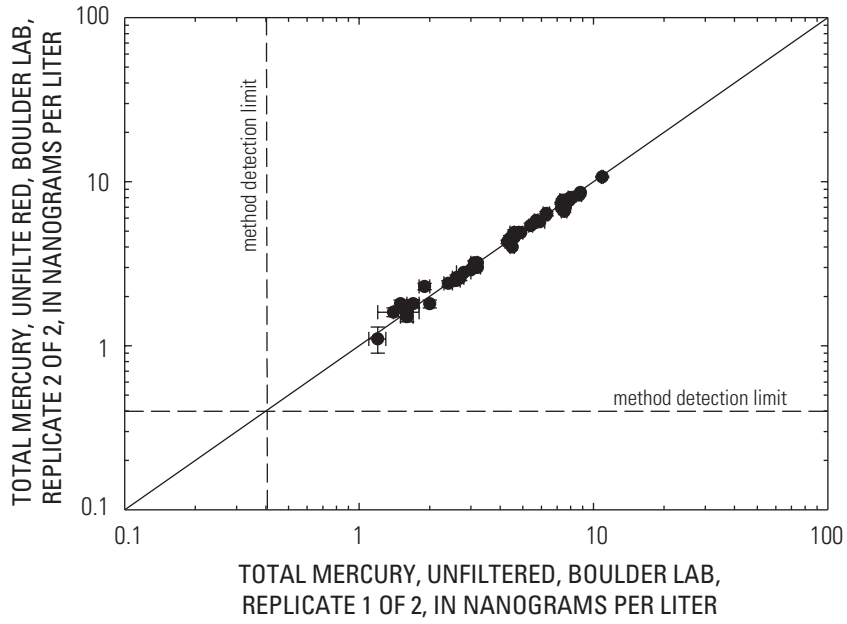

Figure F16. Correlation plot of field duplicates for mercury in unfiltered water, U.S. Geological Survey laboratory in Boulder, Colorado.

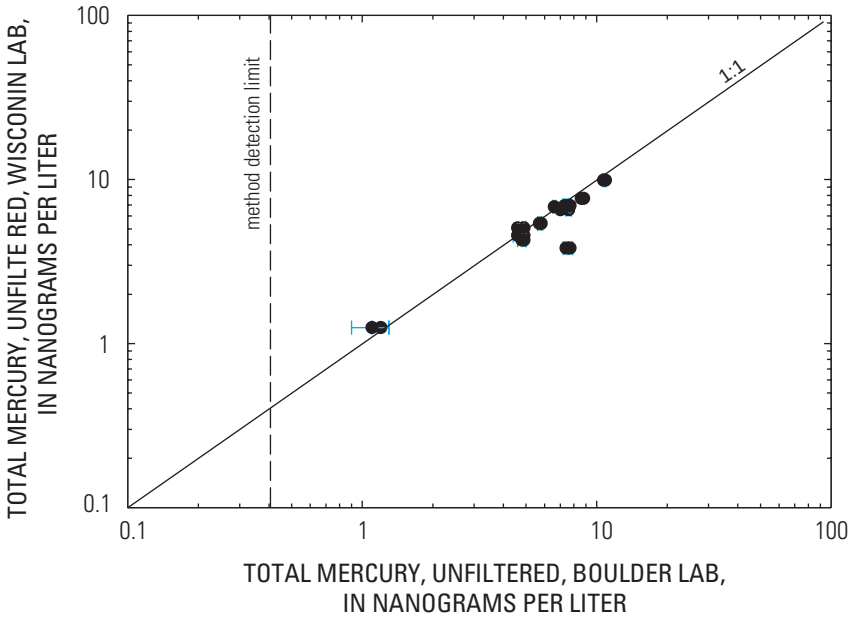

Figure F17. Correlation of laboratory split-sample comparison for mercury in unfiltered water, U.S. Geological laboratories in Boulder, Colorado and Middleton, Wisconsin.

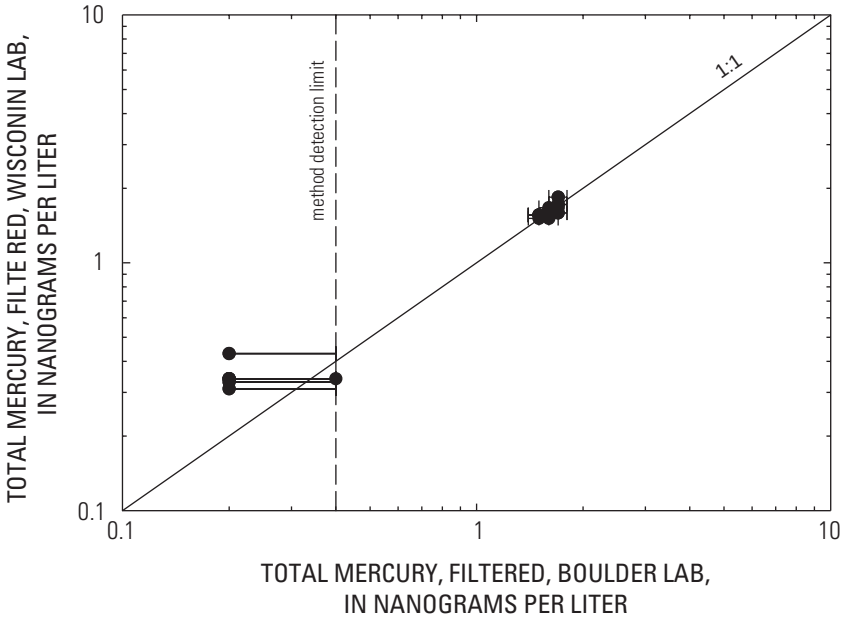

Figure F18. Correlation plot of laboratory split-sample comparison for mercury in filtered water, U.S. Geological Survey laboratories in Boulder, Colorado and Middleton, Wisconsin.

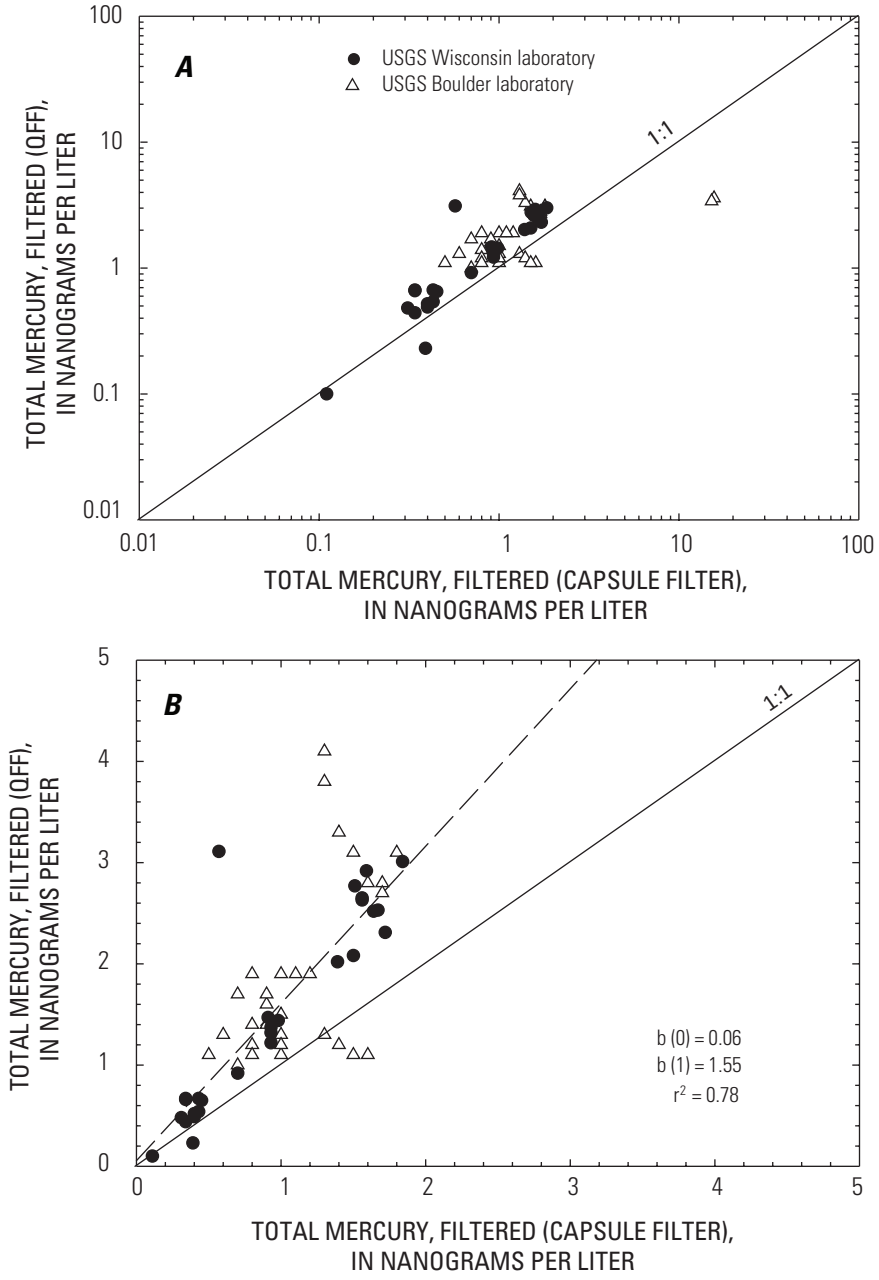

Figure F19. Correlation plot of mercury in filtered water, capsule filter versus quartz fiber filter, (A) Logarithmic scale, (B) Linear scale. Solid circles analyzed by U.S. Geological Survey Wisconsin laboratory. Dashed blue lines represent 95-percent confidence interval associated with linear least-squares regression.

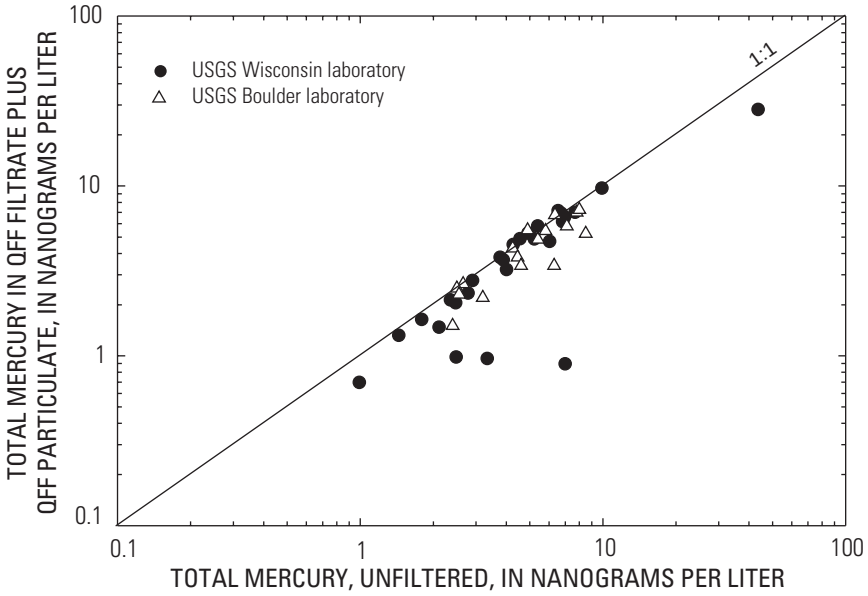

Figure F20. Correlation plot of mercury in unfiltered water and sum of particulate mercury trapped by quartz fiber filter (QFF) and filtered water (passed through QFF). Solid circles analyzed by U.S. Geological Survey Wisconsin laboratory, open triangles analyzed by U.S. Geological Survey Boulder laboratory.

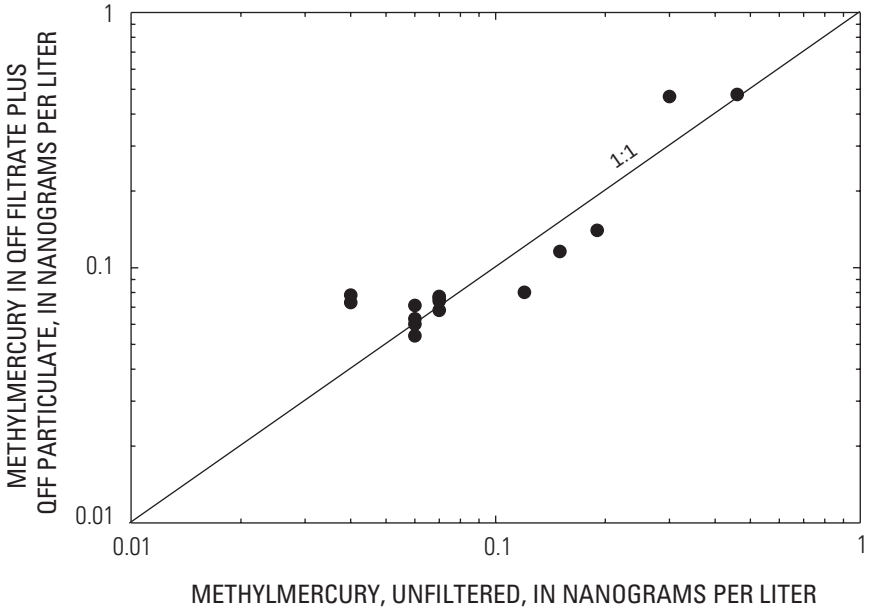

Figure F21. Correlation plot of methylmercury in unfiltered water and sum of particulate mercury trapped by quartz fiber filter (QFF) and filtered water (passed through QFF).

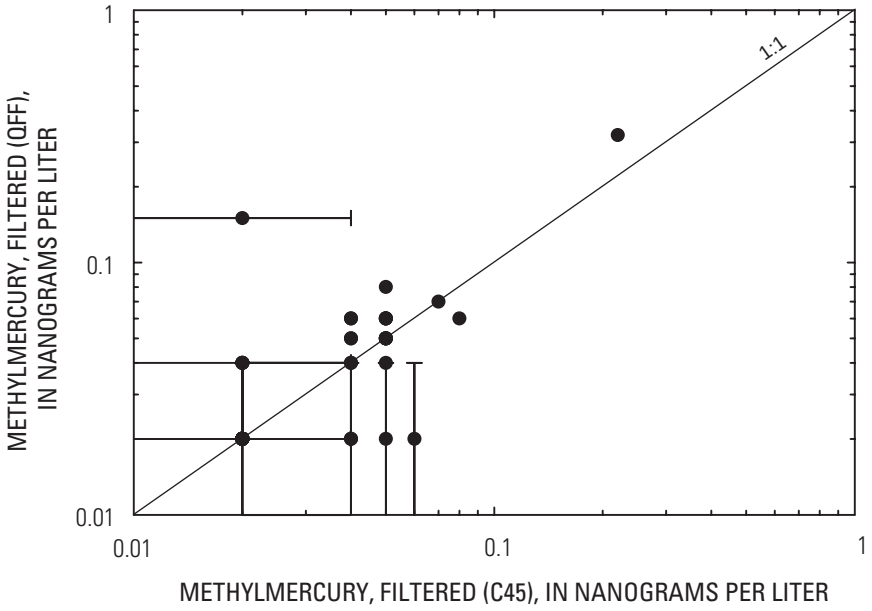

Figure F22. Correlation plot of methylmercury in filtered water, capsule filter versus quartz fiber filter.

Appendix G. Data for Total Mercury, Other Trace Elements, Major Elements, and Chlorophyll.

Table G1. Raw data for unfiltered total mercury in water samples, Camp Far West Reservoir, California.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)
Laboratory			Boulder		Boulder		Wisconsin
Replicate			1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 1, LRS: Lower Reservoir, shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)							
Station number 390317121185001							
10/30/2001	5:15 PM	10	–	–	–	–	–
02/12/2002	12:00 PM	8	5.4	0.1	5.4	0.2	–
04/22/2002	3:20 PM	10	2.4	0.1	2.4	0.1	–
08/06/2002	4:30 PM	10	1.6	0.1	1.5	0.1	–
04/15/2003	10:30 AM	40	–	–	–	–	3.89
Site 2, LRT: Lower Reservoir, thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)							
Station number 390307121183801							
11/01/2001	8:30 AM	70	–	–	–	–	–
02/12/2002	11:00 AM	140	7.9	0.0	7.7	0.2	–
04/22/2002	3:00 PM	140	4.5	0.1	4.0	0.0	–
08/08/2002	12:00 PM	45	2.0	0.0	1.8	0.1	–
08/08/2002	1:30 PM	113	1.7	0.1	1.8	0.1	–
11/04/2002	3:50 PM	10	8.8	0.0	8.6	0.0	7.68
11/04/2002	3:20 PM	55	5.7	0.1	5.8	0.1	5.39
01/29/2003	2:30 PM	10	7.4	0.2	7.7	0.2	3.82
01/28/2003	4:40 PM	140	7.3	0.1	7.4	0.1	6.93
04/16/2003	4:00 PM	150	–	–	–	–	2.90
08/05/2003	12:30 PM	1	–	–	–	–	2.48
08/05/2003	3:30 PM	73	–	–	–	–	3.34
08/05/2003	1:00 PM	120	–	–	–	–	2.11
Site 3, MRS: Middle Reservoir, shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)							
Station number 390244121171801							
10/29/2001	4:15 PM	6	–	–	–	–	–
02/12/2002	1:30 PM	60	4.9	0.0	4.9	0.0	–
04/22/2002	1:50 PM	10	2.7	0.1	2.6	0.1	–
04/15/2003	12:40 PM	32	–	–	–	–	2.35

Table G1. Raw data for unfiltered total mercury in water samples, Camp Far West Reservoir, California.—*Continued*

[thalweg, former river channel (low elevation path); s.d., standard deviation; –, not determined]

Date	Time	Depth (ft)	Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)
Laboratory			Boulder		Boulder		Wisconsin
Replicate			1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 4, MRT: Middle Reservoir, thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)							
Station number 390238121173101							
10/29/2001	2:45 PM	50	–	–	–	–	–
02/13/2002	8:30 AM	120	8.0	0.2	8.0	0.2	–
04/22/2002	12:20 PM	120	4.4	0.1	4.5	0.2	–
08/07/2002	12:10 PM	10	1.5	0.0	1.8	0.1	–
08/07/2002	12:40 PM	47	1.9	0.1	2.3	0.1	–
08/08/2002	2:50 PM	80	2.6	0.1	2.6	0.1	–
11/05/2002	2:10 PM	10	4.6	0.2	4.9	0.2	4.56
11/05/2002	2:30 PM	30	10.9	0.1	10.7	0.1	9.91
01/29/2003	2:00 PM	10	4.6	0.0	4.9	0.1	5.07
01/28/2003	3:30 PM	120	7.4	0.1	7.3	0.0	6.73
04/17/2003	10:30 AM	125	–	–	–	–	3.77
08/07/2003	11:30 AM	1	–	–	–	–	1.15
08/07/2003	11:50 AM	100	–	–	–	–	2.78
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)							
Station number 390202121162201							
10/31/2001	10:15 AM	12	–	–	–	–	–
02/13/2002	9:00 AM	80	8.7	0.2	8.3	0.1	–
04/22/2002	10:40 AM	80	4.6	0.0	4.6	0.0	–
08/06/2002	5:50 PM	10	1.4	0.2	1.6	0.1	–
08/06/2002	6:20 PM	55	3.1	0.1	3.2	0.1	–
11/05/2002	4:10 PM	7	4.7	0.1	4.8	0.1	4.92
01/29/2003	1:20 PM	10	7.5	0.2	6.6	0.1	6.82
01/28/2003	2:50 PM	85	7.6	0.2	7.0	0.0	6.54
04/17/2003	11:30 AM	90	–	–	–	–	6.03
08/07/2003	10:00 AM	1	–	–	–	–	1.44
08/06/2003	3:00 PM	100	–	–	–	–	43.6

Table G1. Raw data for unfiltered total mercury in water samples, Camp Far West Reservoir, California.—*Continued*

[thalweg, former river channel (low elevation path); s.d., standard deviation;–, not determined]

Date	Time	Depth (ft)	Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)		Total mercury, unfiltered (ng/L) (50286)
Laboratory			Boulder		Boulder		Wisconsin
Replicate			1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)							
Station number 390159121171401							
10/31/2001	1:00 PM	4	–	–	–	–	–
02/13/2002	1:00 PM	20	6.3	0.1	6.3	0.1	–
04/23/2002	12:10 PM	20	2.5	0.1	–	–	–
08/07/2002	6:50 PM	57	2.8	0.2	2.8	0.0	–
01/30/2003	3:30 PM	55	7.4	0.2	7.7	0.1	6.95
04/17/2003	2:30 PM	55	–	–	–	–	5.22
08/07/2003	4:00 PM	1	–	–	–	–	1.79
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)							
Station number 390331121174101							
08/07/2002	03:40 PM	10	1.6	0.2	1.6	0.2	–
04/17/2003	01:20 PM	80	–	–	–	–	4.01
08/07/2003	01:00 PM	1	–	–	–	–	1.45
08/07/2003	01:30 PM	40	–	–	–	–	2.47
Site 8, DFP: Dairy Farm Mine pit lake (Dairy Farm Mine pit lake near Wheatland)							
Station number 390148121171701							
10/31/2001	2:15 PM	1	–	–	–	–	–
02/13/2002	3:10 PM	10	5.9	0.3	5.7	0.0	–
02/13/2002	3:30 PM	35	6.3	0.2	6.4	0.2	–
04/24/2002	11:10 AM	30	3.2	0.0	3.2	0.0	–
08/07/2002	5:00 PM	0.5	3.2	0.1	3.0	0.0	–
11/05/2002	2:50 PM	1	4.3	0.1	4.3	0.1	–
01/30/2003	12:30 PM	10	4.8	0.2	4.9	0.1	4.27
01/30/2003	1:20 PM	38	1.2	0.1	1.1	0.2	1.25
04/17/2003	4:00 PM	40	–	–	–	–	0.99
08/07/2003	4:30 PM	1	–	–	–	–	6.99
Site 9, DFI: Dairy Farm Mine impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)							
Station number 390152121171001							
10/31/2001	2:40 PM	0.5	–	–	–	–	–
02/13/2002	2:20 PM	52	7.3	0.2	6.9	0.0	–
04/23/2002	1:10 PM	20	2.6	0.1	2.5	0.1	–
11/05/2002	2:00 PM	0.5	3.0	0.0	2.9	0.0	–

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, filtered (C45) (ng/L) (50287)		Total mercury, filtered (C45) (ng/L) (50287)		Total mercury, filtered (C45) (ng/L) (50287)
Laboratory			Boulder		Boulder		Wisconsin
Replicate			1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 1, LRS: Lower Reservoir, shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)							
Station number 390317121185001							
10/30/2001	5:15 PM	10	–	–	–	–	–
02/12/2002	12:00 PM	8	1.7	0.2	1.8	0.2	–
04/22/2002	3:20 PM	10	0.9	0	0.9	0	–
08/06/2002	4:30 PM	10	0.4	0.1	0.4	0	–
04/15/2003	10:30 AM	40	–	–	–	–	0.98
Site 2, LRT: Lower Reservoir, thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)							
Station number 390307121183801							
11/01/2001	8:30 AM	70	–	–	–	–	–
02/12/2002	11:00 AM	140	1.5	0.1	1.4	0	–
04/22/2002	3:00 PM	140	1.0	0.1	1.2	0.1	–
08/08/2002	12:00 PM	45	<0.4	0	<0.4	0.1	–
08/08/2002	1:30 PM	113	0.5	0.1	0.6	0.1	–
11/04/2002	3:50 PM	10	<0.4	0.1	<0.4	0.1	0.34
11/04/2002	3:20 PM	55	<0.4	0.1	<0.4	0.1	0.31
01/29/2003	2:30 PM	10	1.7	0.1	1.7	0.1	1.72
01/28/2003	4:40 PM	140	1.5	0.1	1.5	0.1	1.56
04/16/2003	4:00 PM	150	–	–	–	–	0.93
08/05/2003	12:30 PM	1	–	–	–	–	0.43
08/05/2003	3:30 PM	73	–	–	–	–	0.71
08/05/2003	1:00 PM	120	–	–	–	–	0.90
Site 3, MRS: Middle Reservoir, shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)							
Station number 390244121171801							
10/29/2001	4:15 PM	6	–	–	–	–	–
02/12/2002	1:30 PM	60	1.7	0.1	1.6	0.1	–
04/22/2002	1:50 PM	10	1.0	0.2	0.8	0	–
04/15/2003	12:40 PM	32	–	–	–	–	0.93
Site 4, MRT: Middle Reservoir, thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)							
Station number 390238121173101							
10/29/2001	2:45 PM	50	–	–	–	–	–
02/13/2002	8:30 AM	120	1.3	0.2	1.3	0.2	–
04/22/2002	12:20 PM	120	0.8	0.1	1.1	0.1	–
08/07/2002	12:10 PM	10	0.4	0.1	0.4	0.1	–
08/07/2002	12:40 PM	47	<0.4	0.1	<0.4	0.1	–
08/08/2002	2:50 PM	80	0.4	0.1	0.4	0.1	–
11/05/2002	2:30 PM	10	<0.4	0.1	<0.4	0.1	0.34
11/05/2002	2:10 PM	30	<0.4	0.1	0.4	0	0.34
01/29/2003	2:00 PM	10	1.6	0	1.6	0	1.64
01/28/2003	3:30 PM	120	1.5	0.1	1.5	0.1	1.56
04/17/2003	10:30 AM	125	–	–	–	–	0.91
08/07/2003	11:30 AM	1	–	–	–	–	0.99
08/07/2003	11:50 AM	100	–	–	–	–	0.70

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California.—*Continued*

Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, filtered (C45) (ng/L) (50287)		Total mercury, filtered (C45) (ng/L) (50287)		Total mercury, filtered (C45) (ng/L) (50287)
	Laboratory		Boulder		Boulder		Wisconsin
	Replicate		1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)							
Station number 390202121162201							
10/31/2001	10:15 AM	12	0.6	0.1	0.5	0.1	–
02/13/2002	9:00 AM	80	1.3	0.1	1.4	0.1	–
04/22/2002	10:40 AM	80	0.7	0	0.9	0	–
08/06/2002	5:50 PM	10	0.6	0.1	<0.4	0	–
08/06/2002	6:20 PM	55	0.4	0.1	0.4	0.1	–
11/05/2002	4:10 PM	7	<0.4	0	<0.4	0.1	0.43
01/28/2003	2:50 PM	85	1.5	0.1	1.6	0.1	1.51
01/29/2003	1:20 PM	10	1.7	0.1	1.7	0.1	1.59
04/17/2003	11:30 AM	90	–	–	–	–	1.39
08/06/2003	3:00 PM	100	–	–	–	–	0.57
08/07/2003	10:00 AM	1	–	–	–	–	0.40
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)							
Station number 390159121171401							
10/31/2001	1:00 PM	4	–	–	–	–	–
02/13/2002	1:00 PM	20	1.6	0	1.5	0.1	–
04/23/2002	12:10 PM	20	1.0	0.1	1.0	0.1	–
08/07/2002	6:50 PM	57	0.4	0.1	0.4	0.1	–
01/30/2003	3:30 PM	55	1.7	0	1.7	0.1	1.84
04/17/2003	2:30 PM	55	–	–	–	–	1.50
08/07/2003	4:00 PM	1	–	–	–	–	0.40
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)							
Station number 390331121174101							
08/07/2002	03:40 PM	10	<0.4	0.1	<0.4	0.1	–
04/17/2003	01:20 PM	80	–	–	–	–	0.93
08/07/2003	01:00 PM	1	–	–	–	–	0.39
08/07/2003	01:30 PM	40	–	–	–	–	0.45
Site 8, DFP: Dairy Farm Mine pit lake (Dairy Farm Mine pit lake near Wheatland)							
Station number 390148121171701							
10/31/2001	2:15 PM	1	–	–	–	–	–
02/13/2002	3:10 PM	10	–	–	–	–	–
02/13/2002	3:30 PM	35	–	–	–	–	–
04/24/2002	11:10 AM	30	0.7	0	0.8	0	–
08/07/2002	5:00 PM	0.5	<0.4	0.2	<0.4	0.1	–
11/05/2002	2:50 PM	1	1.4	0	1.4	0.1	–
01/30/2003	12:30 PM	10	1.6	0.1	1.7	0	1.67
01/30/2003	1:20 PM	38	<0.4	0.1	<0.4	0.1	0.33
04/17/2003	4:00 PM	40	–	–	–	–	0.39
08/07/2003	4:30 PM	1	–	–	–	–	0.11
Site 9, DFI: Dairy Farm Mine impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)							
Station number 390152121171001							
10/31/2001	2:40 PM	0.5	–	–	–	–	–
02/13/2002	2:20 PM	52	15.7	0.2	15.2	0	–
04/23/2002	1:10 PM	20	1.0	0.1	0.8	0.2	–
11/05/2002	2:00 PM	0.5	<0.4	0	<0.4	0.1	–

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California.—*Continued*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ng/L, ft, foot; nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, filtered (Q) (ng/L) (50287)		Total mercury, filtered (Q) (ng/L) (50287)		Total mercury, filtered (Q) (ng/L) (50287)
	Laboratory		Boulder		Boulder		Wisconsin
	Replicate		1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 1, LRS: Lower Reservoir, shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)							
Station number 390317121185001							
10/30/2001	5:15 PM	10	0.9	0.2	0.7	0.1	–
02/12/2002	12:00 PM	8	2.8	0	3.1	0.2	–
04/22/2002	3:20 PM	10	1.6	0	1.4	0.3	–
08/06/2002	4:30 PM	10	–	–	–	–	–
04/15/2003	10:30 AM	40	–	–	–	–	1.44
Site 2, LRT: Lower Reservoir, thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)							
Station number 390307121183801							
11/01/2001	8:30 AM	70	2.3	0.1	2.6	0.1	–
02/12/2002	11:00 AM	140	3.1	0.1	3.3	0.1	–
04/22/2002	3:00 PM	140	1.9	0.1	1.9	0.1	–
08/08/2002	12:00 PM	45	–	–	–	–	–
08/08/2002	1:30 PM	113	–	–	–	–	–
11/04/2002	3:50 PM	10	–	–	–	–	0.67
11/04/2002	3:20 PM	55	–	–	–	–	0.48
01/29/2003	2:30 PM	10	–	–	–	–	2.31
01/28/2003	4:40 PM	140	–	–	–	–	2.65
04/16/2003	4:00 PM	150	–	–	–	–	1.22
08/05/2003	12:30 PM	1	–	–	–	–	0.67
08/05/2003	3:30 PM	73	–	–	–	–	–
08/05/2003	1:00 PM	120	–	–	–	–	–
Site 3, MRS: Middle Reservoir, shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)							
Station number 390244121171801							
10/29/2001	4:15 PM	6	0.6	0.1	0.5	0.1	–
02/12/2002	1:30 PM	60	2.7	0.1	2.8	0.1	–
04/22/2002	1:50 PM	10	1.5	0.1	1.4	0.1	–
04/15/2003	12:40 PM	32	–	–	–	–	1.37
Site 4, MRT: Middle Reservoir, thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)							
Station number 390238121173101							
10/29/2001	2:45 PM	50	0.9	0.1	1	0.1	–
02/13/2002	8:30 AM	120	4.1	0.1	3.8	0.1	–
04/22/2002	12:20 PM	120	1.9	0	1.9	0.1	–
08/07/2002	12:10 PM	10	–	–	–	–	–
08/07/2002	12:40 PM	47	–	–	–	–	–
08/08/2002	2:50 PM	80	–	–	–	–	–
11/05/2002	2:10 PM	10	–	–	–	–	0.44
11/05/2002	2:30 PM	30	–	–	–	–	0.66
01/29/2003	2:00 PM	10	–	–	–	–	2.52
01/28/2003	3:30 PM	120	–	–	–	–	2.63
04/17/2003	10:30 AM	125	–	–	–	–	1.47
08/07/2003	11:30 AM	1	–	–	–	–	
08/07/2003	11:50 AM	100	–	–	–	–	0.92

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California.—*Continued*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, filtered (Q) (ng/L) (50287)		Total mercury, filtered (Q) (ng/L (50287))		Total mercury, filtered (Q) (ng/L) (50287)
	Laboratory		Boulder		Boulder		Wisconsin
	Replicate		1 of 2	1 of 2	2 of 2	2 of 2	1 of 1
			value	s.d.	value	s.d.	value
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)							
Station number 390202121162201							
10/31/2001	10:15 AM	12	1.3	0	1.1	0.1	–
02/13/2002	9:00 AM	80	1.3	0.1	1.2	0.2	–
04/22/2002	10:40 AM	80	1.7	0	1.7	0	–
08/06/2002	5:50 PM	–	–	–	–	–	–
08/06/2002	6:20 PM	–	–	–	–	–	–
11/05/2002	4:10 PM	–	–	–	–	–	0.54
01/29/2003	1:20 PM	–	–	–	–	–	2.92
01/28/2003	2:50 PM	–	–	–	–	–	2.77
04/17/2003	11:30 AM	–	–	–	–	–	2.02
08/07/2003	10:00 AM	–	–	–	–	–	0.52
08/06/2003	3:00 PM	–	–	–	–	–	3.11
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)							
Station number 390159121171401							
10/31/2001	1:00 PM	4	0.6	0.1	0.7	0.1	–
02/13/2002	1:00 PM	20	1.1	0.1	1.1	0.1	–
04/23/2002	12:10 PM	20	1.3	0.1	1.2	0.2	–
08/07/2002	6:50 PM	57	–	–	–	–	–
01/30/2003	3:30 PM	55	–	–	–	–	3.01
04/17/2003	2:30 PM	55	–	–	–	–	2.08
08/07/2003	4:00 PM	1	–	–	–	–	0.49
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)							
Station number 390331121174101							
08/07/2002	03:40 PM	10	–	–	–	–	–
04/17/2003	01:20 PM	80	–	–	–	–	1.32
08/07/2003	01:00 PM	1	–	–	–	–	–
08/07/2003	01:30 PM	40	–	–	–	–	0.65
Site 8, DFP: Dairy Farm Mine pit lake (Dairy Farm Mine pit lake near Wheatland)							
Station number 390148121171701							
10/31/2001	2:15 PM	1	5.2	0.2	5.3	0.2	–
02/13/2002	3:10 PM	10	3.4	0.1	3.7	0.2	–
02/13/2002	3:30 PM	35	3.2	0.1	3.2	0.1	–
04/24/2002	11:10 AM	30	1	0	1.2	0	–
08/07/2002	5:00 PM	0.5	–	–	–	–	–
11/05/2002	2:50 PM	1	–	–	–	–	–
01/30/2003	12:30 PM	10	–	–	–	–	2.53
01/30/2003	1:20 PM	38	–	–	–	–	–
04/17/2003	4:00 PM	40	–	–	–	–	0.23
08/07/2003	4:30 PM	1	–	–	–	–	0.10
Site 9, DFI: Dairy Farm Mine impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)							
Station number 390152121171001							
10/31/2001	2:40 PM	0.5	2.1	0.1	–	–	–
02/13/2002	2:20 PM	52	3.6	0.3	3.4	0.1	–
04/23/2002	1:10 PM	20	1.1	0.1	1.1	0.1	–
11/05/2002	2:00 PM	0.5	–	–	–	–	–

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, particulate (Q) (ng/L)		Total mercury, particulate (Q) (ng/L)	
	Laboratory		Boulder		Boulder	
	Replicate		1 of 2	1 of 2	2 of 2	2 of 2
			value	s.d.	value	s.d.
Site 1, LRS: Lower Reservoir, shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)						
Station number 390317121185001						
10/30/2001	5:15 PM	10	5.4	0.1	5.4	0.1
02/12/2002	12:00 PM	8	1.9	0.02	–	–
04/22/2002	3:20 PM	10	–	–	–	–
08/06/2002	4:30 PM	10	–	–	–	–
04/15/2003	10:30 AM	40	–	–	–	–
Site 2, LRT: Lower Reservoir, thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)						
Station number 390307121183801						
11/01/2001	8:30 AM	70	9.6	0.2		
02/12/2002	11:00 AM	140	3.8	0.02		
04/22/2002	3:00 PM	140	2.4	0		
08/08/2002	12:00 PM	45	–	–	–	–
08/08/2002	1:30 PM	113	–	–	–	–
11/04/2002	3:50 PM	10	–	–	–	–
11/04/2002	3:20 PM	55	–	–	–	–
01/29/2003	2:30 PM	10	–	–	–	–
01/28/2003	4:40 PM	140	–	–	–	–
04/16/2003	4:00 PM	150	–	–	–	–
08/05/2003	12:30 PM	1	–	–	–	–
08/05/2003	3:30 PM	73	–	–	–	–
08/05/2003	1:00 PM	120	–	–	–	–
Site 3, MRS: Middle Reservoir, shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)						
Station number 390244121171801						
10/29/2001	4:15 PM	6	3.5	0.1	3.5	0.1
02/12/2002	1:30 PM	60	2.7	0.03	2.8	–
04/22/2002	1:50 PM	10	1.0	0	–	–
04/15/2003	12:40 PM	32	–	–	–	–
Site 4, MRT: Middle Reservoir, thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)						
Station number 390238121173101						
10/29/2001	2:45 PM	50	11.6	0.1	11.6	0.1
02/13/2002	8:30 AM	120	3.3	0.04	–	–
04/22/2002	12:20 PM	120	1.9	0	1.9	0
08/07/2002	12:10 PM	10	–	–	–	–
08/07/2002	12:40 PM	47	–	–	–	–
08/08/2002	2:50 PM	80	–	–	–	–
11/05/2002	2:10 PM	10	–	–	–	–
11/05/2002	2:30 PM	30	–	–	–	–
01/29/2003	2:00 PM	10	–	–	–	–
01/28/2003	3:30 PM	120	–	–	–	–
04/17/2003	10:30 AM	125	–	–	–	–
08/07/2003	11:30 AM	1	–	–	–	–
08/07/2003	11:50 AM	100	–	–	–	–

Table G2. Raw data for filtered and particulate total mercury in water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); C45, 0.45-micrometer capsule filter; Q, quartz fiber filter; s.d., standard deviation. ft, foot; ng/L, nanogram per liter; –, not determined]

Date	Time	Depth (ft)	Total mercury, particulate (Q) (ng/L)		Total mercury, particulate (Q) (ng/L)	
	Laboratory		Boulder		Boulder	
	Replicate		1 of 2	1 of 2	2 of 2	2 of 2
			value	s.d.	value	s.d.
Site 1, LRS: Lower Reservoir, shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)						
Station number 390317121185001						
10/30/2001	5:15 PM	10	5.4	0.1	5.4	0.1
02/12/2002	12:00 PM	8	1.9	0.02	–	–
04/22/2002	3:20 PM	10	–	–	–	–
08/06/2002	4:30 PM	10	–	–	–	–
04/15/2003	10:30 AM	40	–	–	–	–
Site 2, LRT: Lower Reservoir, thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)						
Station number 390307121183801						
11/01/2001	8:30 AM	70	9.6	0.2		
02/12/2002	11:00 AM	140	3.8	0.02		
04/22/2002	3:00 PM	140	2.4	0		
08/08/2002	12:00 PM	45	–	–	–	–
08/08/2002	1:30 PM	113	–	–	–	–
11/04/2002	3:50 PM	10	–	–	–	–
11/04/2002	3:20 PM	55	–	–	–	–
01/29/2003	2:30 PM	10	–	–	–	–
01/28/2003	4:40 PM	140	–	–	–	–
04/16/2003	4:00 PM	150	–	–	–	–
08/05/2003	12:30 PM	1	–	–	–	–
08/05/2003	3:30 PM	73	–	–	–	–
08/05/2003	1:00 PM	120	–	–	–	–
Site 3, MRS: Middle Reservoir, shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)						
Station number 390244121171801						
10/29/2001	4:15 PM	6	3.5	0.1	3.5	0.1
02/12/2002	1:30 PM	60	2.7	0.03	2.8	–
04/22/2002	1:50 PM	10	1.0	0	–	–
04/15/2003	12:40 PM	32	–	–	–	–
Site 4, MRT: Middle Reservoir, thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)						
Station number 390238121173101						
10/29/2001	2:45 PM	50	11.6	0.1	11.6	0.1
02/13/2002	8:30 AM	120	3.3	0.04	–	–
04/22/2002	12:20 PM	120	1.9	0	1.9	0
08/07/2002	12:10 PM	10	–	–	–	–
08/07/2002	12:40 PM	47	–	–	–	–
08/08/2002	2:50 PM	80	–	–	–	–
11/05/2002	2:10 PM	10	–	–	–	–
11/05/2002	2:30 PM	30	–	–	–	–
01/29/2003	2:00 PM	10	–	–	–	–
01/28/2003	3:30 PM	120	–	–	–	–
04/17/2003	10:30 AM	125	–	–	–	–
08/07/2003	11:30 AM	1	–	–	–	–
08/07/2003	11:50 AM	100	–	–	–	–

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Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average of three analyses from same bottle; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation of three analyses; <, less than]

Date	Time	Depth (ft)	Replicate	Aluminum (Al) µg/L (01104)		Arsenic (As) µg/L (01002)		Boron (B) µg/L (00999)		Barium (Ba) µg/L (01007)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	157	18	<60	14	<5	0	27	1
10/30/2001	5:15 PM	10	2 of 2	155	12	58	24	<5	2	27	1
02/12/2002	12:00 PM	8	1 of 2	101	0	<70	6	12	7	16	1
02/12/2002	12:00 PM	8	2 of 2	103	3	<70	15	12	4	13	2
04/22/2002	3:20 PM	10	1 of 2	59	3	<30	8	7	5	15	0
04/22/2002	3:20 PM	10	2 of 2	54	1	<30	29	12	11	13	0
08/06/2002	4:30 PM	10	1 of 2	62	4	<40	30	6	4	11	1
08/06/2002	4:30 PM	10	2 of 2	67	6	<40	36	6	3	12	1
04/15/2003	10:30 AM	40	1 of 2	1,320	81	<80	31	8	8	27	2
04/15/2003	10:30 AM	40	2 of 2	774	37	<80	38	<7	4	18	1
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	549	52	<30	9	<9	5	35	3
11/01/2001	8:30 AM	70	2 of 2	534	40	<30	14	<9	2	34	3
02/12/2002	11:00 AM	140	1 of 2	184	2	<70	19	27	30	19	1
02/12/2002	11:00 AM	140	2 of 2	188	2	<70	31	<5	4	17	0
04/22/2002	3:00 PM	140	1 of 2	207	0	<30	35	11	7	16	0
04/22/2002	3:00 PM	140	2 of 2	210	13	<30	18	5	2	15	0
08/08/2002	12:00 PM	45	1 of 2	52	5	<40	10	8	3	12	1
08/08/2002	12:00 PM	45	2 of 2	99	7	<40	32	7	2	13	0
08/08/2002	1:30 PM	113	1 of 2	93	2	<40	23	6	3	13	1
08/08/2002	1:30 PM	113	2 of 2	50	4	<40	33	7	4	12	0
11/04/2002	3:50 PM	10	1 of 2	535	0	<80	47	6	0	32	1
11/04/2002	3:50 PM	10	2 of 2	538	24	<80	43	9	4	32	1
11/04/2002	3:20 PM	55	1 of 2	406	2	<80	12	8	0	26	2
11/04/2002	3:20 PM	55	2 of 2	404	12	<80	27	8	2	27	0
01/29/2003	2:30 PM	10	1 of 2	64	4	<50	51	8	1	14	0
01/29/2003	2:30 PM	10	2 of 2	61	3	61	44	8	4	14	0
01/28/2003	4:40 PM	140	1 of 2	110	8	<50	8	<6	4	13	1
01/28/2003	4:40 PM	140	2 of 2	108	3	<50	23	7	2	13	0
04/16/2003	4:00 PM	150	1 of 2	85	8	<80	41	<7	2	13	1
04/16/2003	4:00 PM	150	2 of 2	86	6	<80	24	<7	1	13	1
08/05/2003	12:30 PM	1	1 of 2	57	5	<40	26	<10	10	11	1
08/05/2003	12:30 PM	1	2 of 2	60	3	<40	14	<10	11	11	1
08/05/2003	3:30 PM	73	1 of 2	106	11	<40	28	<10	7	16	2
08/05/2003	3:30 PM	73	2 of 2	110	12	<40	7	<10	5	15	2
08/05/2003	1:00 PM	120	1 of 2	77	9	<40	28	<10	14	14	2
08/05/2003	1:00 PM	120	2 of 2	66	5	<40	12	<10	1	13	1

Table G3. Concentrations of trace metals and selected major elements in ununfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Aluminum (Al) µg/L (01104)		Arsenic (As) µg/L (01002)		Boron (B) µg/L (00999)		Barium (Ba) µg/L (01007)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	86	10	<60	22	<5	3	24	1
10/29/2001	4:15 PM	6	2 of 2	87	9	<60	34	5	5	24	1
02/12/2002	1:30 PM	60	1 of 2	119	0	<70	8	12	4	15	1
02/12/2002	1:30 PM	60	2 of 2	104	2	<70	5	17	13	17	0
04/22/2002	1:50 PM	10	1 of 2	63	3	<30	18	5	1	13	1
04/22/2002	1:50 PM	10	2 of 2	66	3	<30	32	4	7	13	0
04/15/2003	12:40 PM	32	1 of 2	53	5	<80	26	<7	2	13	1
04/15/2003	12:40 PM	32	2 of 2	67	6	<80	24	<7	4	13	1
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	581	47	<60	36	<5	3	36	1
10/29/2001	2:45 PM	50	2 of 2	592	35	<60	50	<5	2	36	0
02/13/2002	8:30 AM	120	1 of 2	177	4	<70	19	18	12	16	0
02/13/2002	8:30 AM	120	2 of 2	176	3	<70	38	42	7	16	2
04/22/2002	12:20 PM	120	1 of 2	219	2	<30	12	10	7	15	0
04/22/2002	12:20 PM	120	2 of 2	219	10	<30	3	6	2	15	1
08/07/2002	12:10 PM	10	1 of 2	70	8	<40	31	7	5	13	1
08/07/2002	12:10 PM	10	2 of 2	73	3	<40	8	<4	0	15	0
08/07/2002	12:40 PM	47	1 of 2	93	9	<40	6	4	2	14	1
08/07/2002	12:40 PM	47	2 of 2	91	4	<40	41	4	1	14	1
08/08/2002	2:50 PM	80	1 of 2	111	12	<40	5	6	4	15	1
08/08/2002	2:50 PM	80	2 of 2	108	7	<40	24	5	2	14	1
11/05/2002	2:30 PM	10	1 of 2	312	15	<80	23	10	5	24	1
11/05/2002	2:30 PM	10	2 of 2	315	6	<80	57	11	2	24	0
11/05/2002	2:10 PM	30	1 of 2	721	77	<80	31	10	2	29	2
11/05/2002	2:10 PM	30	2 of 2	735	41	<80	24	12	4	29	3
01/29/2003	2:00 PM	10	1 of 2	77	3	<50	10	9	5	14	0
01/29/2003	2:00 PM	10	2 of 2	78	4	<50	67	6	1	14	1
01/28/2003	3:30 PM	120	1 of 2	105	9	<50	12	6	5	13	0
01/28/2003	3:30 PM	120	2 of 2	105	6	<50	76	8	2	13	0
04/17/2003	10:30 AM	125	1 of 2	102	9	<80	40	<7	7	14	1
04/17/2003	10:30 AM	125	2 of 2	102	9	<80	20	11	5	15	1
08/07/2003	11:30 AM	1	1 of 2	72	1	<40	22	<10	5	11	1
08/07/2003	11:30 AM	1	2 of 2	71	4	<40	21	<10	7	11	1
08/07/2003	11:50 AM	100	1 of 2	115	7	<40	25	<10	8	13	1
08/07/2003	11:50 AM	100	2 of 2	121	13	<40	20	<10	10	14	2

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Aluminum (Al) µg/L (01104)		Arsenic (As) µg/L (01002)		Boron (B) µg/L (00999)		Barium (Ba) µg/L (01007)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	171	14	<60	15	<5	1	29	1
10/31/2001	10:15 AM	12	2 of 2	141	12	<60	4	<5	1	28	1
02/13/2002	9:00 AM	80	1 of 2	186	2	<70	8	5	5	15	0
02/13/2002	9:00 AM	80	2 of 2	182	6	<70	22	5	6	17	2
04/22/2002	10:40 AM	80	1 of 2	197	15	<30	18	6	4	15	1
04/22/2002	10:40 AM	80	2 of 2	181	13	<30	16	7	5	15	0
08/06/2002	5:50 PM	10	1 of 2	73	4	<40	35	8	3	13	1
08/06/2002	5:50 PM	10	2 of 2	73	5	<40	36	7	3	13	1
08/06/2002	6:20 PM	55	1 of 2	127	1	45	14	9	5	15	1
08/06/2002	6:20 PM	55	2 of 2	137	9	37	30	7	2	15	0
11/05/2002	4:10 PM	7	1 of 2	326	3	<80	21	10	2	25	3
11/05/2002	4:10 PM	7	2 of 2	319	3	<80	47	12	3	26	0
01/29/2003	1:20 PM	10	1 of 2	73	6	78	23	<6	2	13	0
01/29/2003	1:20 PM	10	2 of 2	73	3	61	30	<6	3	13	1
01/28/2003	2:50 PM	85	1 of 2	88	6	<50	51	<6	2	13	0
01/28/2003	2:50 PM	85	2 of 2	93	7	<50	30	<6	2	13	0
04/17/2003	11:30 AM	90	1 of 2	155	14	<80	30	<7	4	14	1
04/17/2003	11:30 AM	90	2 of 2	158	12	<80	10	<7	8	14	1
08/07/2003	10:00 AM	1	1 of 2	95	9	<40	18	<10	6	13	1
08/07/2003	10:00 AM	1	2 of 2	93	8	<40	16	<10	3	13	1
08/06/2003	3:00 PM	100	1 of 2	1,320	29	<40	21	11	12	34	2
08/06/2003	3:00 PM	100	2 of 2	1,270	142	<40	13	<10	6	33	3
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	127	6	<60	36	<5	4	25	1
10/31/2001	1:00 PM	4	2 of 2	128	11	<60	28	<5	2	25	1
02/13/2002	1:00 PM	20	1 of 2	145	2	<70	14	18	14	16	2
02/13/2002	1:00 PM	20	2 of 2	144	5	<70	11	10	2	16	2
04/23/2002	12:10 PM	20	1 of 2	78	2	<30	12	20	1	14	1
04/23/2002	12:10 PM	20	2 of 2	81	2	<30	15	<3	5	14	0
08/07/2002	6:50 PM	57	1 of 2	161	6	<40	8	7	7	15	1
08/07/2002	6:50 PM	57	2 of 2	169	1	50	34	6	2	16	1
01/30/2003	3:30 PM	55	1 of 2	114	3	<50	31	<6	2	13	0
01/30/2003	3:30 PM	55	2 of 2	118	5	<50	39	10	4	13	0
04/17/2003	2:30 PM	55	1 of 2	211	20	<80	14	<7	4	15	1
04/17/2003	2:30 PM	55	2 of 2	216	14	<80	42	<7	7	15	1
08/07/2003	4:00 PM	1	1 of 2	144	9	<40	12	<10	5	13	1
08/07/2003	4:00 PM	1	2 of 2	145	9	<40	14	<10	13	13	1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Aluminum (Al) µg/L (01104)		Arsenic (As) µg/L (01002)		Boron (B) µg/L (00999)		Barium (Ba) µg/L (01007)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	71	2	<40	5	5	2	12	1
08/07/2002	3:40 PM	10	2 of 2	74	8	<40	49	6	2	12	1
04/17/2003	1:20 PM	80	1 of 2	119	10	<80	36	<7	3	15	1
04/17/2003	1:20 PM	80	2 of 2	133	10	<80	16	<7	1	14	1
08/07/2003	1:00 PM	1	1 of 2	137	24	<40	13	<10	5	12	1
08/07/2003	1:00 PM	1	2 of 2	102	3	<40	22	<10	5	12	1
08/07/2003	1:30 PM	40	1 of 2	178	4	<40	0	<10	6	15	1
08/07/2003	1:30 PM	40	2 of 2	179	4	<40	11	<10	2	16	1
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	31,709	1,880	<60	10	<5	2	36	1
10/31/2001	2:15 PM	1	2 of 2	31,481	842	<60	18	<5	4	37	1
02/13/2002	3:10 PM	10	1 of 2	135	1	<70	4	8	3	17	0
02/13/2002	3:10 PM	10	2 of 2	135	3	<70	51	10	5	16	1
02/13/2002	3:30 PM	35	1of 1	338	2	<70	17	8	2	17	1
04/24/2002	11:10 AM	30	1 of 2	138	6	<30	15	5	5	16	1
04/24/2002	11:10 AM	30	2 of 2	136	3	<30	7	5	3	16	1
08/07/2002	5:00 PM	1	1 of 2	3,350	430	<40	34	9	2	62	0
08/07/2002	5:00 PM	1	2 of 2	3,350	229	<40	15	8	2	58	0
11/05/2002	2:50 PM	0	1 of 2	17,700	1,082	<80	7	14	1	40	1
11/05/2002	2:50 PM	0	2 of 2	17,500	1,207	<80	34	13	2	39	0
01/30/2003	12:30 PM	10	1 of 2	69	5	62	32	8	3	14	1
01/30/2003	12:30 PM	10	2 of 2	67	5	<50	32	9	4	14	1
01/30/2003	1:20 PM	38	1 of 2	2,950	56	83	8	13	5	33	0
01/30/2003	1:20 PM	38	2 of 2	2,910	163	<50	25	13	3	33	0
04/17/2003	4:00 PM	40	1 of 2	4,860	280	<80	26	<7	4	24	2
04/17/2003	4:00 PM	40	2 of 2	4,880	368	<80	51	<7	2	24	1
08/07/2003	4:30 PM	1	1 of 2	146	5	<40	14	<10	8	54	5
08/07/2003	4:30 PM	1	2 of 2	139	8	<40	19	<10	3	54	5
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	3,818	429	<30	4	<9	7	33	3
02/13/2002	2:20 PM	52	1 of 2	278	1	<70	30	9	2	18	0
02/13/2002	2:20 PM	52	2 of 2	287	1	<70	13	<5	5	17	1
04/23/2002	1:10 PM	20	1 of 2	72	6	<30	6	5	5	13	1
04/23/2002	1:10 PM	20	2 of 2	73	6	<30	6	12	11	13	0
11/05/2002	2:00 PM	1	1 of 2	28,800	2,679	<80	38	19	4	25	1
11/05/2002	2:00 PM	1	2 of 2	28,200	2,204	<80	56	18	1	24	2

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (00998)		Bismuth (Bi) µg/L (01017)		Calcium (Ca) µg/L (00916)		Cadmium (Cd) µg/L (01027)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	<0.02	0.01	<0.02	0.00	13	0	<0.03	0.01
10/30/2001	5:15 PM	10	2 of 2	<0.02	0.01	<0.02	0.00	13	1	<0.03	0.01
02/12/2002	12:00 PM	8	1 of 2	<0.04	0.00	0.036	0.017	9.8	0.9	<0.04	0.05
02/12/2002	12:00 PM	8	2 of 2	<0.04	0.02	0.044	0.013	7.8	0.6	0.11	0.09
04/22/2002	3:20 PM	10	1 of 2	<0.04	0.02	0.063	0.006	7.2	0.0	0.03	0.02
04/22/2002	3:20 PM	10	2 of 2	<0.04	0.01	0.057	0.019	7.8	0.7	<0.02	0.02
08/06/2002	4:30 PM	10	1 of 2	<0.07	0.01	0.046	0.022	7.6	0.5	<0.03	0.01
08/06/2002	4:30 PM	10	2 of 2	<0.07	0.04	0.042	0.008	7.8	0.4	<0.03	0.02
04/15/2003	10:30 AM	40	1 of 2	<0.05	0.02	0.021	0.022	7.2	0.5	0.10	0.03
04/15/2003	10:30 AM	40	2 of 2	<0.05	0.03	<0.01	0.01	7.2	0.4	0.06	0.03
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	<0.04	0.02	<0.04	0.01	13	1	<0.05	0.04
11/01/2001	8:30 AM	70	2 of 2	<0.04	0.01	<0.04	0.01	13	1	<0.05	0.02
02/12/2002	11:00 AM	140	1 of 2	<0.04	0.02	0.14	0.02	8.8	0.2	0.05	0.12
02/12/2002	11:00 AM	140	2 of 2	<0.04	0.03	0.12	0.01	8.6	0.4	0.06	0.07
04/22/2002	3:00 PM	140	1 of 2	<0.04	0.02	0.055	0.014	7.8	0.4	<0.02	0.01
04/22/2002	3:00 PM	140	2 of 2	<0.04	0.02	0.044	0.011	8.1	0.8	0.05	0.04
08/08/2002	12:00 PM	45	1 of 2	<0.07	0.01	0.049	0.014	8.2	0.6	<0.03	0.01
08/08/2002	12:00 PM	45	2 of 2	<0.07	0.03	0.035	0.000	6.8	0.5	0.04	0.02
08/08/2002	1:30 PM	113	1 of 2	0.09	0.00	0.048	0.007	6.5	0.5	0.04	0.00
08/08/2002	1:30 PM	113	2 of 2	<0.07	0.02	0.054	0.030	8.1	0.6	0.07	0.01
11/04/2002	3:50 PM	10	1 of 2	<0.03	0.03	0.038	0.005	11	1	0.04	0.02
11/04/2002	3:50 PM	10	2 of 2	<0.03	0.04	0.040	0.003	11	1	0.03	0.00
11/04/2002	3:20 PM	55	1 of 2	<0.03	0.01	0.047	0.010	11	1	0.02	0.02
11/04/2002	3:20 PM	55	2 of 2	0.03	0.01	0.096	0.078	11	1	0.03	0.01
01/29/2003	2:30 PM	10	1 of 2	<0.06	0.02	0.035	0.000	8.3	0.2	0.01	0.00
01/29/2003	2:30 PM	10	2 of 2	<0.06	0.02	0.051	0.026	8.5	0.2	0.02	0.01
01/28/2003	4:40 PM	140	1 of 2	<0.06	0.04	0.037	0.009	5.9	0.5	0.02	0.00
01/28/2003	4:40 PM	140	2 of 2	<0.06	0.04	0.038	0.003	6.2	0.7	0.03	0.03
04/16/2003	4:00 PM	150	1 of 2	<0.05	0.04	<0.01	0.00	6.5	0.5	0.12	0.03
04/16/2003	4:00 PM	150	2 of 2	<0.05	0.03	<0.01	0.00	6.5	0.4	0.04	0.00
08/05/2003	12:30 PM	1	1 of 2	<0.08	0.01	<0.01	0.00	6.9	0.7	0.04	0.03
08/05/2003	12:30 PM	1	2 of 2	<0.08	0.02	<0.01	0.00	6.9	0.9	0.04	0.04
08/05/2003	3:30 PM	73	1 of 2	<0.08	0.01	<0.01	0.00	6.7	0.6	0.06	0.04
08/05/2003	3:30 PM	73	2 of 2	<0.08	0.01	<0.01	0.00	6.7	0.6	0.06	0.04
08/05/2003	1:00 PM	120	1 of 2	<0.08	0.00	<0.01	0.01	7.7	0.7	0.07	0.01
08/05/2003	1:00 PM	120	2 of 2	<0.08	0.01	0.01	0.01	7.6	0.9	0.04	0.02

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (00998)		Bismuth (Bi) µg/L (01017)		Calcium (Ca) µg/L (00916)		Cadmium (Cd) µg/L (01027)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	<0.02	0.01	<0.02	0.01	14	1	<0.03	0.03
10/29/2001	4:15 PM	6	2 of 2	<0.02	0.02	<0.02	0.00	13	0	<0.03	0.04
02/12/2002	1:30 PM	60	1 of 2	<0.04	0.06	0.037	0.007	8.7	0.3	<0.04	0.01
02/12/2002	1:30 PM	60	2 of 2	<0.04	0.01	0.072	0.004	9.6	0.4	<0.04	0.07
04/22/2002	1:50 PM	10	1 of 2	<0.04	0.04	0.055	0.013	7.5	0.8	<0.02	0.02
04/22/2002	1:50 PM	10	2 of 2	<0.04	0.03	0.044	0.002	7.6	0.5	<0.02	0.01
04/15/2003	12:40 PM	32	1 of 2	<0.05	0.03	<0.01	0.00	7.1	0.5	0.05	0.01
04/15/2003	12:40 PM	32	2 of 2	<0.05	0.00	<0.01	0.01	6.7	0.2	0.04	0.02
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.03	0.02	<0.02	0.00	13	0	<0.03	0.01
10/29/2001	2:45 PM	50	2 of 2	0.03	0.02	<0.02	0.00	14	0	<0.03	0.01
02/13/2002	8:30 AM	120	1 of 2	<0.04	0.01	0.050	0.009	8.1	0.4	0.06	0.01
02/13/2002	8:30 AM	120	2 of 2	<0.04	0.02	0.043	0.021	8.1	0.5	0.07	0.04
04/22/2002	12:20 PM	120	1 of 2	<0.04	0.03	0.061	0.018	8.1	0.7	<0.02	0.01
04/22/2002	12:20 PM	120	2 of 2	<0.04	0.01	0.056	0.015	8.0	0.6	0.08	0.01
08/07/2002	12:10 PM	10	1 of 2	<0.07	0.01	0.049	0.010	7.7	0.5	0.03	0.03
08/07/2002	12:10 PM	10	2 of 2	<0.07	0.01	0.059	0.010	7.7	0.7	<0.03	0.02
08/07/2002	12:40 PM	47	1 of 2	<0.07	0.02	0.052	0.006	7.0	0.8	0.07	0.02
08/07/2002	12:40 PM	47	2 of 2	<0.07	0.01	0.045	0.015	7.1	0.5	0.11	0.01
08/08/2002	2:50 PM	80	1 of 2	<0.07	0.03	0.040	0.011	7.9	0.7	0.05	0.03
08/08/2002	2:50 PM	80	2 of 2	<0.07	0.03	0.048	0.021	7.6	0.2	<0.03	0.00
11/05/2002	2:30 PM	10	1 of 2	<0.03	0.02	0.038	0.005	11	1	0.04	0.01
11/05/2002	2:30 PM	10	2 of 2	<0.03	0.01	0.050	0.019	11	1	<0.02	0.00
11/05/2002	2:10 PM	30	1 of 2	0.04	0.02	0.043	0.013	12	1	0.04	0.01
11/05/2002	2:10 PM	30	2 of 2	<0.03	0.01	0.048	0.010	12	1	0.06	0.01
01/29/2003	2:00 PM	10	1 of 2	<0.06	0.01	0.041	0.007	7.3	0.5	0.04	0.01
01/29/2003	2:00 PM	10	2 of 2	<0.06	0.02	0.053	0.014	7.0	0.3	0.02	0.02
01/28/2003	3:30 PM	120	1 of 2	<0.06	0.01	0.047	0.022	6.4	0.7	0.03	0.00
01/28/2003	3:30 PM	120	2 of 2	<0.06	0.04	0.037	0.005	6.6	0.8	<0.01	0.01
04/17/2003	10:30 AM	125	1 of 2	<0.05	0.02	<0.01	0.00	6.7	0.2	0.06	0.00
04/17/2003	10:30 AM	125	2 of 2	<0.05	0.04	0.011	0.015	6.8	0.5	0.07	0.03
08/07/2003	11:30 AM	1	1 of 2	<0.08	0.03	<0.01	0.00	6.9	0.6	0.03	0.03
08/07/2003	11:30 AM	1	2 of 2	<0.08	0.00	<0.01	0.00	6.8	0.7	0.04	0.02
08/07/2003	11:50 AM	100	1 of 2	<0.08	0.01	<0.01	0.01	7.8	0.9	0.07	0.00
08/07/2003	11:50 AM	100	2 of 2	<0.08	0.02	<0.01	0.01	7.9	0.9	0.09	0.02

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (00998)		Bismuth (Bi) µg/L (01017)		Calcium (Ca) µg/L (00916)		Cadmium (Cd) µg/L (01027)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	<0.02	0.02	<0.02	0.00	13	0	<0.03	0.01
10/31/2001	10:15 AM	12	2 of 2	<0.02	0.02	<0.02	0.00	13	0	<0.03	0.02
02/13/2002	9:00 AM	80	1 of 2	<0.04	0.02	0.041	0.030	7.0	0.0	<0.04	0.05
02/13/2002	9:00 AM	80	2 of 2	<0.04	0.03	0.040	0.025	7.8	0.6	<0.04	0.04
04/22/2002	10:40 AM	80	1 of 2	<0.04	0.02	0.070	0.026	7.3	0.8	<0.02	0.00
04/22/2002	10:40 AM	80	2 of 2	<0.04	0.02	0.055	0.010	7.4	0.7	0.03	0.01
08/06/2002	5:50 PM	10	1 of 2	<0.07	0.06	0.060	0.003	8.0	0.5	0.04	0.01
08/06/2002	5:50 PM	10	2 of 2	<0.07	0.02	0.065	0.017	7.9	0.6	<0.03	0.00
08/06/2002	6:20 PM	55	1 of 2	<0.07	0.05	0.058	0.024	7.9	0.6	<0.03	0.02
08/06/2002	6:20 PM	55	2 of 2	<0.07	0.02	0.039	0.008	7.9	0.4	<0.03	0.01
11/05/2002	4:10 PM	7	1 of 2	<0.03	0.06	0.056	0.018	12	1	0.06	0.02
11/05/2002	4:10 PM	7	2 of 2	0.05	0.02	0.048	0.012	11	1	0.04	0.01
01/29/2003	1:20 PM	10	1 of 2	<0.06	0.02	0.044	0.005	5.8	0.5	<0.01	0.02
01/29/2003	1:20 PM	10	2 of 2	<0.06	0.01	0.022	0.003	5.8	0.7	<0.01	0.00
01/28/2003	2:50 PM	85	1 of 2	<0.06	0.02	0.045	0.016	6.4	0.4	0.02	0.01
01/28/2003	2:50 PM	85	2 of 2	<0.06	0.02	0.046	0.005	6.7	1.0	<0.01	0.02
04/17/2003	11:30 AM	90	1 of 2	<0.05	0.02	<0.01	0.01	6.8	0.5	0.11	0.02
04/17/2003	11:30 AM	90	2 of 2	<0.05	0.03	<0.01	0.00	6.7	0.6	0.09	0.02
08/07/2003	10:00 AM	1	1 of 2	<0.08	0.02	0.02	0.00	7.2	1.0	0.04	0.02
08/07/2003	10:00 AM	1	2 of 2	<0.08	0.02	<0.01	0.00	7.2	0.8	0.09	0.01
08/06/2003	3:00 PM	100	1 of 2	<0.08	0.04	0.04	0.02	8.6	1.1	0.15	0.03
08/06/2003	3:00 PM	100	2 of 2	<0.08	0.01	0.02	0.02	8.5	1.0	0.11	0.02
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	<0.02	0.01	<0.02	0.01	14	0	<0.03	0.03
10/31/2001	1:00 PM	4	2 of 2	<0.02	0.02	<0.02	0.00	14	0	<0.03	0.03
02/13/2002	1:00 PM	20	1 of 2	<0.04	0.01	0.040	0.028	8.2	0.2	<0.04	0.09
02/13/2002	1:00 PM	20	2 of 2	<0.04	0.01	0.088	0.056	9.0	0.6	0.07	0.02
04/23/2002	12:10 PM	20	1 of 2	<0.04	0.04	0.054	0.025	7.8	0.4	0.24	0.07
04/23/2002	12:10 PM	20	2 of 2	<0.04	0.00	0.058	0.032	7.9	0.6	1.7	0.5
08/07/2002	6:50 PM	57	1 of 2	<0.07	0.03	0.039	0.002	7.7	0.8	0.09	0.02
08/07/2002	6:50 PM	57	2 of 2	<0.07	0.03	0.047	0.011	8.0	0.3	0.10	0.01
01/30/2003	3:30 PM	55	1 of 2	<0.06	0.02	0.045	0.024	7.1	1.2	0.06	0.02
01/30/2003	3:30 PM	55	2 of 2	<0.06	0.03	0.045	0.007	6.8	0.5	0.03	0.02
04/17/2003	2:30 PM	55	1 of 2	<0.05	0.02	<0.01	0.00	7.6	0.3	0.16	0.04
04/17/2003	2:30 PM	55	2 of 2	<0.05	0.02	0.014	0.008	7.5	0.3	0.13	0.01
08/07/2003	4:00 PM	1	1 of 2	<0.08	0.02	<0.01	0.01	7.1	0.6	0.12	0.01
08/07/2003	4:00 PM	1	2 of 2	<0.08	0.02	<0.01	0.00	7.1	0.7	0.07	0.02

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (00998)		Bismuth (Bi) µg/L (01017)		Calcium (Ca) µg/L (00916)		Cadmium (Cd) µg/L (01027)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	<0.07	0.02	0.050	0.014	7.7	0.7	<0.03	0.01
08/07/2002	3:40 PM	10	2 of 2	<0.07	0.03	0.052	0.023	7.6	0.3	<0.03	0.01
04/17/2003	1:20 PM	80	1 of 2	<0.05	0.01	<0.01	0.00	7.1	0.6	0.03	0.03
04/17/2003	1:20 PM	80	2 of 2	<0.05	0.01	<0.01	0.00	6.9	0.4	0.05	0.02
08/07/2003	1:00 PM	1	1 of 2	<0.08	0.03	0.01	0.00	7.0	0.4	0.02	0.01
08/07/2003	1:00 PM	1	2 of 2	<0.08	0.02	<0.01	0.00	7.0	0.8	0.06	0.02
08/07/2003	1:30 PM	40	1 of 2	<0.08	0.02	<0.01	0.00	6.2	0.8	0.08	0.03
08/07/2003	1:30 PM	40	2 of 2	<0.08	0.01	0.02	0.01	6.3	0.7	0.02	0.00
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.56	0.11	0.09	0.02	37	1	18	0
10/31/2001	2:15 PM	1	2 of 2	0.52	0.02	0.08	0.02	38	0	17	1
02/13/2002	3:10 PM	10	1 of 2	<0.04	0.05	0.032	0.007	9.2	0.4	<0.04	0.04
02/13/2002	3:10 PM	10	2 of 2	0.07	0.02	0.030	0.005	9.1	0.5	<0.04	0.01
02/13/2002	3:30 PM	35	1of 1	<0.04	0.02	0.040	0.027	9.0	0.2	0.27	0.06
04/24/2002	11:10 AM	30	1 of 2	<0.04	0.02	0.055	0.010	6.8	0.8	0.09	0.01
04/24/2002	11:10 AM	30	2 of 2	<0.04	0.02	0.048	0.010	7.0	0.7	0.09	0.02
08/07/2002	5:00 PM	1	1 of 2	0.12	0.02	0.060	0.013	13	1	4.0	0.1
08/07/2002	5:00 PM	1	2 of 2	<0.07	0.02	0.058	0.011	13	1	3.9	0.0
11/05/2002	2:50 PM	0	1 of 2	0.40	0.01	0.049	0.009	26	2	9.6	0.2
11/05/2002	2:50 PM	0	2 of 2	0.50	0.04	0.048	0.005	25	2	9.5	0.3
01/30/2003	12:30 PM	10	1 of 2	<0.06	0.03	0.037	0.008	7.5	0.7	0.05	0.01
01/30/2003	12:30 PM	10	2 of 2	<0.06	0.02	0.049	0.019	7.2	0.8	0.04	0.01
01/30/2003	1:20 PM	38	1 of 2	0.09	0.03	0.037	0.002	11	1	3.0	0.1
01/30/2003	1:20 PM	38	2 of 2	0.07	0.00	0.095	0.056	10	0	3.0	0.1
04/17/2003	4:00 PM	40	1 of 2	0.09	0.03	<0.01	0.01	9.9	0.4	3.0	0.1
04/17/2003	4:00 PM	40	2 of 2	0.09	0.04	<0.01	0.00	9.8	0.5	2.8	0.1
08/07/2003	4:30 PM	1	1 of 2	<0.08	0.02	<0.01	0.00	8.2	0.9	1.3	0.0
08/07/2003	4:30 PM	1	2 of 2	<0.08	0.03	0.02	0.00	8.3	0.9	1.1	0.0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.18	0.04	<0.04	0.00	42	1	33	3
02/13/2002	2:20 PM	52	1 of 2	0.06	0.10	0.036	0.013	9.7	0.0	0.11	0.04
02/13/2002	2:20 PM	52	2 of 2	<0.04	0.02	0.025	0.012	9.5	0.4	0.22	0.09
04/23/2002	1:10 PM	20	1 of 2	<0.04	0.02	0.053	0.008	7.5	0.3	<0.02	0.02
04/23/2002	1:10 PM	20	2 of 2	<0.04	0.01	0.059	0.024	7.8	0.7	0.05	0.04
11/05/2002	2:00 PM	1	1 of 2	1.1	0.1	0.053	0.017	123	11	148	1
11/05/2002	2:00 PM	1	2 of 2	1.00	0.06	0.037	0.004	121	10	143	11

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01112)		Cobalt (Co) µg/L (01037)		Chromium (Cr) µg/L (01034)		Cesium (Cs) µg/L (01117)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.17	0.02	0.16	0.02	3	2	0.19	0.07
10/30/2001	5:15 PM	10	2 of 2	0.17	0.02	0.16	0.01	<3	1	0.11	0.01
02/12/2002	12:00 PM	8	1 of 2	0.091	0.000	0.11	0.01	<3	0	<0.03	0.03
02/12/2002	12:00 PM	8	2 of 2	0.095	0.004	<0.05	0.02	<3	2	0.04	0.02
04/22/2002	3:20 PM	10	1 of 2	0.060	0.002	0.06	0.01	<2	1	<0.05	0.01
04/22/2002	3:20 PM	10	2 of 2	0.056	0.004	0.06	0.01	<2	1	<0.05	0.01
08/06/2002	4:30 PM	10	1 of 2	0.047	0.004	0.10	0.00	<2	2	0.18	0.02
08/06/2002	4:30 PM	10	2 of 2	0.051	0.003	0.09	0.01	<2	1	0.10	0.02
04/15/2003	10:30 AM	40	1 of 2	1.1	0.0	2.9	0.1	<3	2	0.04	0.01
04/15/2003	10:30 AM	40	2 of 2	0.52	0.00	1.4	0.1	<3	2	0.02	0.01
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.57	0.02	2.3	0.3	<2	1	<0.04	0.02
11/01/2001	8:30 AM	70	2 of 2	0.58	0.04	2.4	0.0	<2	2	<0.04	0.00
02/12/2002	11:00 AM	140	1 of 2	2.5	0.0	0.10	0.01	<3	2	0.04	0.03
02/12/2002	11:00 AM	140	2 of 2	0.17	0.01	0.18	0.01	4	1	0.09	0.02
04/22/2002	3:00 PM	140	1 of 2	0.15	0.00	0.13	0.01	<2	1	<0.05	0.02
04/22/2002	3:00 PM	140	2 of 2	0.14	0.00	0.12	0.01	<2	1	<0.05	0.01
08/08/2002	12:00 PM	45	1 of 2	0.046	0.005	0.13	0.00	<2	2	<0.03	0.01
08/08/2002	12:00 PM	45	2 of 2	0.083	0.009	0.14	0.02	<2	1	<0.03	0.01
08/08/2002	1:30 PM	113	1 of 2	0.078	0.004	0.13	0.02	<2	1	<0.03	0.01
08/08/2002	1:30 PM	113	2 of 2	0.049	0.006	0.13	0.00	<2	0	0.09	0.01
11/04/2002	3:50 PM	10	1 of 2	0.57	0.00	1.0	0.0	<3	1	<0.08	0.04
11/04/2002	3:50 PM	10	2 of 2	0.58	0.00	1.0	0.1	<3	2	<0.08	0.00
11/04/2002	3:20 PM	55	1 of 2	0.39	0.02	0.48	0.03	<3	1	<0.08	0.01
11/04/2002	3:20 PM	55	2 of 2	0.41	0.01	0.46	0.02	<3	2	<0.08	0.01
01/29/2003	2:30 PM	10	1 of 2	0.099	0.006	0.086	0.005	<2	1	<0.06	0.03
01/29/2003	2:30 PM	10	2 of 2	0.098	0.006	0.075	0.010	<2	1	<0.06	0.01
01/28/2003	4:40 PM	140	1 of 2	0.20	0.00	0.14	0.02	<2	0	0.31	0.02
01/28/2003	4:40 PM	140	2 of 2	0.18	0.00	0.14	0.01	<2	1	<0.06	0.03
04/16/2003	4:00 PM	150	1 of 2	0.095	0.006	0.08	0.02	<3	1	0.03	0.01
04/16/2003	4:00 PM	150	2 of 2	0.11	0.01	0.07	0.02	<3	1	<0.01	0.00
08/05/2003	12:30 PM	1	1 of 2	0.043	0.003	<0.1	0.0	<2	0	0.12	0.02
08/05/2003	12:30 PM	1	2 of 2	0.046	0.005	<0.1	0.0	<2	0	0.06	0.01
08/05/2003	3:30 PM	73	1 of 2	0.099	0.002	0.10	0.01	<2	1	<0.04	0.02
08/05/2003	3:30 PM	73	2 of 2	0.098	0.010	0.10	0.01	<2	1	<0.04	0.01
08/05/2003	1:00 PM	120	1 of 2	0.065	0.010	0.19	0.02	<2	1	<0.04	0.01
08/05/2003	1:00 PM	120	2 of 2	0.064	0.005	0.16	0.02	<2	1	<0.04	0.02

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01112)		Cobalt (Co) µg/L (01037)		Chromium (Cr) µg/L (01034)		Cesium (Cs) µg/L (01117)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.14	0.03	0.10	0.01	<3	1	<0.02	0.04
10/29/2001	4:15 PM	6	2 of 2	0.100	0.008	0.10	0.02	<3	1	<0.02	0.03
02/12/2002	1:30 PM	60	1 of 2	0.11	0.01	<0.05	0.01	<3	2	0.04	0.01
02/12/2002	1:30 PM	60	2 of 2	0.089	0.000	<0.05	0.01	<3	1	0.04	0.01
04/22/2002	1:50 PM	10	1 of 2	0.077	0.004	0.07	0.01	<2	0	<0.05	0.02
04/22/2002	1:50 PM	10	2 of 2	0.069	0.003	0.07	0.02	<2	1	<0.05	0.01
04/15/2003	12:40 PM	32	1 of 2	0.066	0.001	0.04	0.02	<3	1	<0.01	0.01
04/15/2003	12:40 PM	32	2 of 2	0.061	0.004	0.05	0.03	<3	0	<0.01	0.00
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.57	0.04	0.66	0.01	5	2	<0.02	0.02
10/29/2001	2:45 PM	50	2 of 2	0.57	0.02	0.70	0.05	6	1	<0.02	0.04
02/13/2002	8:30 AM	120	1 of 2	0.17	0.01	0.09	0.01	<3	1	0.05	0.04
02/13/2002	8:30 AM	120	2 of 2	0.16	0.01	0.11	0.02	<3	0	0.06	0.02
04/22/2002	12:20 PM	120	1 of 2	0.16	0.00	0.13	0.01	<2	1	<0.05	0.00
04/22/2002	12:20 PM	120	2 of 2	0.15	0.00	0.16	0.03	<2	0	<0.05	0.01
08/07/2002	12:10 PM	10	1 of 2	0.053	0.001	0.11	0.01	<2	1	85	16
08/07/2002	12:10 PM	10	2 of 2	0.059	0.003	0.15	0.03	<2	1	0.15	0.04
08/07/2002	12:40 PM	47	1 of 2	0.080	0.002	0.22	0.03	<2	1	0.14	0.02
08/07/2002	12:40 PM	47	2 of 2	0.087	0.005	0.23	0.02	<2	1	0.35	0.01
08/08/2002	2:50 PM	80	1 of 2	0.10	0.00	0.18	0.01	<2	1	0.41	0.01
08/08/2002	2:50 PM	80	2 of 2	0.100	0.003	0.17	0.03	<2	2	0.05	0.02
11/05/2002	2:30 PM	10	1 of 2	0.36	0.02	0.49	0.00	<3	1	<0.08	0.01
11/05/2002	2:30 PM	10	2 of 2	0.36	0.01	0.45	0.01	<3	1	<0.08	0.03
11/05/2002	2:10 PM	30	1 of 2	0.82	0.02	1.1	0.1	<3	2	<0.08	0.02
11/05/2002	2:10 PM	30	2 of 2	0.75	0.06	1.2	0.1	<3	0	0.09	0.01
01/29/2003	2:00 PM	10	1 of 2	0.12	0.01	0.12	0.00	<2	2	0.31	0.04
01/29/2003	2:00 PM	10	2 of 2	0.13	0.00	0.11	0.00	<2	0	0.17	0.01
01/28/2003	3:30 PM	120	1 of 2	0.18	0.00	0.13	0.01	<2	1	<0.06	0.01
01/28/2003	3:30 PM	120	2 of 2	0.16	0.01	0.14	0.00	<2	1	0.16	0.03
04/17/2003	10:30 AM	125	1 of 2	0.12	0.01	0.10	0.03	<3	2	<0.01	0.01
04/17/2003	10:30 AM	125	2 of 2	0.13	0.01	0.13	0.04	<3	2	<0.01	0.00
08/07/2003	11:30 AM	1	1 of 2	0.053	0.004	<0.1	0.0	<2	1	0.14	0.03
08/07/2003	11:30 AM	1	2 of 2	0.051	0.005	<0.1	0.0	<2	1	0.15	0.03
08/07/2003	11:50 AM	100	1 of 2	0.10	0.01	0.20	0.04	<2	1	0.13	0.01
08/07/2003	11:50 AM	100	2 of 2	0.11	0.01	0.21	0.03	<2	1	0.16	0.01

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01112)		Cobalt (Co) µg/L (01037)		Chromium (Cr) µg/L (01034)		Cesium (Cs) µg/L (01117)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.31	0.02	0.33	0.02	<3	1	<0.02	0.02
10/31/2001	10:15 AM	12	2 of 2	0.30	0.01	0.32	0.01	<3	1	<0.02	0.01
02/13/2002	9:00 AM	80	1 of 2	0.20	0.01	0.09	0.01	<3	2	0.05	0.00
02/13/2002	9:00 AM	80	2 of 2	0.20	0.00	0.09	0.01	<3	2	0.06	0.02
04/22/2002	10:40 AM	80	1 of 2	0.17	0.01	0.15	0.01	<2	1	0.07	0.02
04/22/2002	10:40 AM	80	2 of 2	0.15	0.00	0.17	0.02	<2	3	0.07	0.02
08/06/2002	5:50 PM	10	1 of 2	0.059	0.007	0.12	0.00	<2	2	<0.03	0.02
08/06/2002	5:50 PM	10	2 of 2	0.062	0.003	0.14	0.02	<2	2	<0.03	0.01
08/06/2002	6:20 PM	55	1 of 2	0.13	0.01	0.77	0.01	<2	0	0.05	0.01
08/06/2002	6:20 PM	55	2 of 2	0.13	0.01	0.80	0.02	<2	0	0.06	0.02
11/05/2002	4:10 PM	7	1 of 2	0.40	0.01	0.53	0.01	<3	2	0.58	0.13
11/05/2002	4:10 PM	7	2 of 2	0.36	0.03	0.52	0.02	<3	1	0.17	0.06
01/29/2003	1:20 PM	10	1 of 2	0.15	0.01	0.099	0.004	<2	1	<0.06	0.02
01/29/2003	1:20 PM	10	2 of 2	0.15	0.01	0.083	0.016	<2	0	<0.06	0.01
01/28/2003	2:50 PM	85	1 of 2	0.14	0.00	0.15	0.02	<2	2	<0.06	0.02
01/28/2003	2:50 PM	85	2 of 2	0.16	0.01	0.15	0.00	<2	1	<0.06	0.02
04/17/2003	11:30 AM	90	1 of 2	0.19	0.00	0.19	0.00	<3	2	<0.01	0.00
04/17/2003	11:30 AM	90	2 of 2	0.20	0.02	0.15	0.03	<3	2	0.02	0.01
08/07/2003	10 AM	1	1 of 2	0.066	0.001	0.14	0.00	<2	1	0.52	0.01
08/07/2003	10 AM	1	2 of 2	0.064	0.003	0.12	0.02	<2	1	0.10	0.04
08/06/2003	3:00 PM	100	1 of 2	1.4	0.0	3.2	0.0	4	0	0.55	0.01
08/06/2003	3:00 PM	100	2 of 2	1.3	0.1	3.1	0.3	3	1	0.55	0.04
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.13	0.00	0.39	0.04	<3	2	0.05	0.14
10/31/2001	1:00 PM	4	2 of 2	0.14	0.01	0.38	0.02	3	2	<0.02	0.02
02/13/2002	1:00 PM	20	1 of 2	0.12	0.00	0.08	0.02	<3	1	0.10	0.01
02/13/2002	1:00 PM	20	2 of 2	0.12	0.01	0.07	0.01	<3	1	0.04	0.04
04/23/2002	12:10 PM	20	1 of 2	0.069	0.007	0.10	0.00	<2	1	<0.05	0.01
04/23/2002	12:10 PM	20	2 of 2	0.069	0.002	0.11	0.02	<2	0	0.10	0.03
08/07/2002	6:50 PM	57	1 of 2	0.15	0.01	0.50	0.01	<2	1	0.54	0.55
08/07/2002	6:50 PM	57	2 of 2	0.16	0.00	0.51	0.00	<2	1	0.18	0.00
01/30/2003	3:30 PM	55	1 of 2	0.17	0.01	0.23	0.02	<2	2	<0.06	0.02
01/30/2003	3:30 PM	55	2 of 2	0.17	0.01	0.25	0.02	<2	1	<0.06	0.04
04/17/2003	2:30 PM	55	1 of 2	0.22	0.02	0.42	0.03	<3	2	<0.01	0.00
04/17/2003	2:30 PM	55	2 of 2	0.21	0.02	0.47	0.01	<3	2	<0.01	0.01
08/07/2003	4:00 PM	1	1 of 2	0.098	0.005	0.32	0.02	<2	1	0.12	0.04
08/07/2003	4:00 PM	1	2 of 2	0.100	0.010	0.29	0.01	<2	1	0.08	0.01

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01112)		Cobalt (Co) µg/L (01037)		Chromium (Cr) µg/L (01034)		Cesium (Cs) µg/L (01117)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.057	0.001	0.17	0.00	<2	0	0.04	0.00
08/07/2002	3:40 PM	10	2 of 2	0.059	0.006	0.18	0.03	<2	2	<0.03	0.01
04/17/2003	1;20 PM	80	1 of 2	0.12	0.02	0.10	0.03	<3	2	<0.01	0.01
04/17/2003	1:20 PM	80	2 of 2	0.13	0.01	0.11	0.02	<3	0	<0.01	0.01
08/07/2003	1:00 PM	1	1 of 2	0.086	0.013	0.15	0.00	<2	0	0.96	0.04
08/07/2003	1:00 PM	1	2 of 2	0.069	0.006	0.13	0.01	<2	0	0.30	0.02
08/07/2003	1:30 PM	40	1 of 2	0.13	0.01	0.20	0.02	<2	2	0.27	0.03
08/07/2003	1:30 PM	40	2 of 2	0.13	0.01	0.17	0.00	<2	0	0.32	0.04
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	26	3	128	0	13	2	0.24	0.02
10/31/2001	2:15 PM	1	2 of 2	26	2	128	2	13	1	0.09	0.01
02/13/2002	3:10 PM	10	1 of 2	0.11	0.00	0.10	0.01	<3	2	0.12	0.03
02/13/2002	3:10 PM	10	2 of 2	0.12	0.01	0.10	0.02	<3	1	<0.03	0.00
02/13/2002	3:30 PM	35	1of 1	0.25	0.01	1.1	0.0	<3	1	0.04	0.01
04/24/2002	11:10 AM	30	1 of 2	0.13	0.01	0.46	0.02	<2	1	<0.05	0.01
04/24/2002	11:10 AM	30	2 of 2	0.13	0.00	0.46	0.05	<2	1	<0.05	0.03
08/07/2002	5:00 PM	1	1 of 2	2.7	0.0	21	3	<2	2	0.47	0.08
08/07/2002	5:00 PM	1	2 of 2	2.6	0.0	22	0	<2	2	<0.03	0.01
11/05/2002	2:50 PM	0	1 of 2	15	0	73	0	7	1	<0.08	0.05
11/05/2002	2:50 PM	0	2 of 2	15	0	74	2	5	0	<0.08	0.02
01/30/2003	12:30 PM	10	1 of 2	0.098	0.003	0.11	0.02	<2	0	<0.06	0.01
01/30/2003	12:30 PM	10	2 of 2	0.095	0.006	0.12	0.01	<2	1	<0.06	0.04
01/30/2003	1:20 PM	38	1 of 2	2.1	0.0	12	0	<2	2	<0.06	0.03
01/30/2003	1:20 PM	38	2 of 2	2.1	0.1	13	0	<2	4	1.0	0.1
04/17/2003	4:00 PM	40	1 of 2	3.3	0.1	14	0	<3	1	0.05	0.02
04/17/2003	4:00 PM	40	2 of 2	3.4	0.2	14	0	<3	2	<0.01	0.01
08/07/2003	4:30 PM	1	1 of 2	0.13	0.00	4.3	0.5	<2	1	0.12	0.02
08/07/2003	4:30 PM	1	2 of 2	0.14	0.02	4.2	0.3	<2	1	0.13	0.01
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	9.9	1.0	123	15	<2	1	<0.04	0.03
02/13/2002	2:20 PM	52	1 of 2	0.28	0.00	0.82	0.06	<3	2	0.03	0.03
02/13/2002	2:20 PM	52	2 of 2	0.27	0.01	0.85	0.02	<3	2	0.06	0.03
04/23/2002	1:10 PM	20	1 of 2	0.065	0.006	0.09	0.01	<2	1	<0.05	0.05
04/23/2002	1:10 PM	20	2 of 2	0.066	0.008	0.10	0.02	<2	0	<0.05	0.02
11/05/2002	2:00 PM	1	1 of 2	40	2	561	24	6	1	<0.08	0.06
11/05/2002	2:00 PM	1	2 of 2	39	3	566	5	6	1	<0.08	0.06

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01042)		Dysprosium (Dy) µg/L (82330)		Erbium (Er) µg/L (01246)		Europium (Eu) µg/L (01236)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	1.3	0.3	0.016	0.004	0.009	0.005	0.005	0.001
10/30/2001	5:15 PM	10	2 of 2	1.2	0.2	0.018	0.004	0.007	0.001	0.006	0.003
02/12/2002	12:00 PM	8	1 of 2	3.8	0.1	0.018	0.003	0.010	0.001	0.005	0.002
02/12/2002	12:00 PM	8	2 of 2	4.3	0.4	0.018	0.002	0.008	0.004	0.004	0.002
04/22/2002	3:20 PM	10	1 of 2	2.7	0.1	0.014	0.003	<0.002	0.003	0.004	0.001
04/22/2002	3:20 PM	10	2 of 2	2.4	0.0	0.013	0.002	0.003	0.004	0.003	0.002
08/06/2002	4:30 PM	10	1 of 2	2.9	0.1	0.008	0.003	0.006	0.003	0.002	0.002
08/06/2002	4:30 PM	10	2 of 2	2.5	0.1	0.010	0.002	0.004	0.002	0.003	0.001
04/15/2003	10:30 AM	40	1 of 2	7.1	0.1	0.078	0.000	0.048	0.009	0.024	0.003
04/15/2003	10:30 AM	40	2 of 2	4.8	0.2	0.053	0.002	0.035	0.010	0.014	0.002
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	2.0	0.2	0.081	0.007	0.044	0.012	0.022	0.002
11/01/2001	8:30 AM	70	2 of 2	1.5	0.2	0.071	0.016	0.051	0.013	0.018	0.004
02/12/2002	11:00 AM	140	1 of 2	4.4	0.1	0.028	0.006	0.014	0.007	0.007	0.004
02/12/2002	11:00 AM	140	2 of 2	4.0	0.1	0.030	0.004	0.013	0.002	0.006	0.003
04/22/2002	3:00 PM	140	1 of 2	2.8	0.3	0.023	0.004	0.014	0.002	0.006	0.004
04/22/2002	3:00 PM	140	2 of 2	2.5	0.1	0.022	0.005	0.018	0.002	0.007	0.000
08/08/2002	12:00 PM	45	1 of 2	2.1	0.0	0.006	0.002	0.007	0.003	<0.002	0.000
08/08/2002	12:00 PM	45	2 of 2	2.9	0.2	0.013	0.004	0.009	0.000	0.004	0.001
08/08/2002	1:30 PM	113	1 of 2	2.6	0.4	0.012	0.006	0.010	0.001	<0.002	0.000
08/08/2002	1:30 PM	113	2 of 2	2.4	0.2	0.014	0.006	0.006	0.005	<0.002	0.001
11/04/2002	3:50 PM	10	1 of 2	3.0	0.2	0.066	0.004	0.034	0.004	0.020	0.002
11/04/2002	3:50 PM	10	2 of 2	3.1	0.2	0.064	0.004	0.039	0.001	0.020	0.006
11/04/2002	3:20 PM	55	1 of 2	3.2	0.1	0.036	0.007	0.027	0.004	0.009	0.003
11/04/2002	3:20 PM	55	2 of 2	3.3	0.0	0.046	0.004	0.028	0.003	0.015	0.003
01/29/2003	2:30 PM	10	1 of 2	2.9	0.2	0.020	0.003	0.011	0.002	0.006	0.002
01/29/2003	2:30 PM	10	2 of 2	2.9	0.1	0.022	0.007	0.011	0.008	0.006	0.002
01/28/2003	4:40 PM	140	1 of 2	1.5	0.2	0.026	0.004	0.016	0.003	0.007	0.002
01/28/2003	4:40 PM	140	2 of 2	1.5	0.2	0.028	0.008	0.021	0.006	0.008	0.003
04/16/2003	4:00 PM	150	1 of 2	2.1	0.3	0.019	0.004	0.008	0.004	<0.004	0.001
04/16/2003	4:00 PM	150	2 of 2	1.8	0.1	0.020	0.003	0.008	0.002	0.006	0.002
08/05/2003	12:30 PM	1	1 of 2	2.0	0.7	0.008	0.003	<0.004	0.004	<0.003	0.001
08/05/2003	12:30 PM	1	2 of 2	1.7	0.2	<0.008	0.002	<0.004	0.001	<0.003	0.001
08/05/2003	3:30 PM	73	1 of 2	4.0	1.1	0.017	0.004	0.008	0.001	0.006	0.000
08/05/2003	3:30 PM	73	2 of 2	2.1	0.2	0.019	0.002	0.007	0.002	0.005	0.002
08/05/2003	1:00 PM	120	1 of 2	1.9	0.3	0.013	0.002	0.008	0.004	0.004	0.001
08/05/2003	1:00 PM	120	2 of 2	1.4	0.0	0.011	0.007	0.007	0.000	<0.003	0.001

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01042)		Dysprosium (Dy) µg/L (82330)		Erbium (Er) µg/L (01246)		Europium (Eu) µg/L (01236)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	1.2	0.2	0.010	0.004	<0.005	0.004	0.003	0.002
10/29/2001	4:15 PM	6	2 of 2	1.1	0.1	0.012	0.003	<0.005	0.004	0.003	0.002
02/12/2002	1:30 PM	60	1 of 2	10	0	0.021	0.003	0.007	0.005	0.004	0.003
02/12/2002	1:30 PM	60	2 of 2	3.2	0.0	0.016	0.002	0.013	0.001	0.004	0.001
04/22/2002	1:50 PM	10	1 of 2	3.0	0.3	0.012	0.004	0.003	0.002	0.004	0.003
04/22/2002	1:50 PM	10	2 of 2	2.7	0.2	0.011	0.000	0.005	0.005	0.003	0.000
04/15/2003	12:40 PM	32	1 of 2	2.8	0.2	0.015	0.000	0.010	0.003	<0.004	0.001
04/15/2003	12:40 PM	32	2 of 2	2.4	0.1	0.016	0.001	0.005	0.003	<0.004	0.003
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	2.5	0.2	0.068	0.004	0.026	0.001	0.016	0.004
10/29/2001	2:45 PM	50	2 of 2	3.2	0.1	0.061	0.005	0.024	0.003	0.019	0.002
02/13/2002	8:30 AM	120	1 of 2	9.0	0.5	0.027	0.007	0.015	0.001	0.006	0.004
02/13/2002	8:30 AM	120	2 of 2	4.1	0.2	0.024	0.002	0.011	0.000	0.008	0.001
04/22/2002	12:20 PM	120	1 of 2	3.2	0.2	0.025	0.002	0.015	0.003	0.008	0.001
04/22/2002	12:20 PM	120	2 of 2	3.7	0.1	0.031	0.001	0.013	0.001	0.008	0.001
08/07/2002	12:10 PM	10	1 of 2	3.0	0.2	0.008	0.000	0.006	0.002	0.004	0.001
08/07/2002	12:10 PM	10	2 of 2	3.2	0.2	0.009	0.003	0.008	0.005	<0.002	0.001
08/07/2002	12:40 PM	47	1 of 2	4.1	0.2	0.015	0.005	0.007	0.002	0.004	0.002
08/07/2002	12:40 PM	47	2 of 2	4.0	0.1	0.016	0.002	0.011	0.003	0.003	0.001
08/08/2002	2:50 PM	80	1 of 2	2.9	0.2	0.016	0.002	0.017	0.000	0.005	0.001
08/08/2002	2:50 PM	80	2 of 2	2.5	0.1	0.019	0.006	0.012	0.002	0.004	0.001
11/05/2002	2:30 PM	10	1 of 2	3.4	0.0	0.039	0.003	0.021	0.004	0.015	0.002
11/05/2002	2:30 PM	10	2 of 2	2.8	0.0	0.037	0.002	0.023	0.002	0.015	0.002
11/05/2002	2:10 PM	30	1 of 2	4.5	0.1	0.074	0.005	0.049	0.006	0.021	0.001
11/05/2002	2:10 PM	30	2 of 2	4.5	0.2	0.079	0.003	0.046	0.007	0.023	0.002
01/29/2003	2:00 PM	10	1 of 2	2.8	0.1	0.023	0.003	0.017	0.005	0.008	0.002
01/29/2003	2:00 PM	10	2 of 2	2.5	0.1	0.019	0.003	0.014	0.001	0.005	0.000
01/28/2003	3:30 PM	120	1 of 2	1.8	0.0	0.025	0.006	0.016	0.004	0.010	0.002
01/28/2003	3:30 PM	120	2 of 2	1.7	0.0	0.024	0.002	0.017	0.006	0.007	0.002
04/17/2003	10:30 AM	125	1 of 2	1.9	0.2	0.019	0.003	0.009	0.002	0.009	0.004
04/17/2003	10:30 AM	125	2 of 2	1.9	0.1	0.018	0.007	0.010	0.006	0.007	0.001
08/07/2003	11:30 AM	1	1 of 2	2.3	0.5	0.008	0.002	0.008	0.003	<0.003	0.001
08/07/2003	11:30 AM	1	2 of 2	2.7	0.7	0.008	0.001	0.007	0.002	<0.003	0.000
08/07/2003	11:50 AM	100	1 of 2	2.0	0.4	0.018	0.004	0.009	0.002	0.004	0.001
08/07/2003	11:50 AM	100	2 of 2	2.8	0.4	0.023	0.006	0.010	0.004	<0.003	0.001

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01042)		Dysprosium (Dy) µg/L (82330)		Erbium (Er) µg/L (01246)		Europium (Eu) µg/L (01236)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	1.4	0.1	0.032	0.001	0.014	0.001	0.008	0.001
10/31/2001	10:15 AM	12	2 of 2	1.4	0.1	0.039	0.001	0.013	0.004	0.009	0.001
02/13/2002	9:00 AM	80	1 of 2	2.7	0.2	0.029	0.005	0.012	0.002	0.007	0.003
02/13/2002	9:00 AM	80	2 of 2	2.6	0.2	0.022	0.002	0.012	0.003	0.006	0.002
04/22/2002	10:40 AM	80	1 of 2	3.7	0.1	0.031	0.002	0.012	0.000	0.007	0.002
04/22/2002	10:40 AM	80	2 of 2	2.7	0.1	0.021	0.000	0.011	0.001	0.006	0.003
08/06/2002	5:50 PM	10	1 of 2	2.7	0.3	0.008	0.004	0.008	0.001	0.003	0.001
08/06/2002	5:50 PM	10	2 of 2	2.6	0.2	0.009	0.002	0.006	0.001	<0.002	0.001
08/06/2002	6:20 PM	55	1 of 2	2.7	0.0	0.019	0.001	0.015	0.002	0.006	0.001
08/06/2002	6:20 PM	55	2 of 2	2.6	0.1	0.015	0.004	0.008	0.001	0.005	0.002
11/05/2002	4:10 PM	7	1 of 2	3.1	0.1	0.041	0.007	0.019	0.003	0.013	0.004
11/05/2002	4:10 PM	7	2 of 2	3.2	0.2	0.039	0.006	0.024	0.001	0.008	0.000
01/29/2003	1:20 PM	10	1 of 2	1.0	0.1	0.024	0.008	0.016	0.006	0.007	0.002
01/29/2003	1:20 PM	10	2 of 2	1.1	0.1	0.021	0.004	0.012	0.004	0.008	0.002
01/28/2003	2:50 PM	85	1 of 2	1.9	0.2	0.027	0.005	0.014	0.003	0.007	0.001
01/28/2003	2:50 PM	85	2 of 2	1.7	0.2	0.024	0.002	0.015	0.001	0.009	0.002
04/17/2003	11:30 AM	90	1 of 2	2.1	0.1	0.033	0.008	0.014	0.006	0.007	0.001
04/17/2003	11:30 AM	90	2 of 2	2.0	0.1	0.028	0.005	0.014	0.007	0.009	0.002
08/07/2003	10:00 AM	1	1 of 2	3.2	0.6	0.008	0.000	0.005	0.005	<0.003	0.001
08/07/2003	10:00 AM	1	2 of 2	4.2	0.6	0.009	0.008	0.006	0.003	<0.003	0.000
08/06/2003	3:00 PM	100	1 of 2	7.3	1.4	0.16	0.01	0.094	0.000	0.049	0.005
08/06/2003	3:00 PM	100	2 of 2	5.5	0.3	0.17	0.00	0.083	0.004	0.044	0.002
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	3.0	0.3	0.020	0.005	0.011	0.004	0.005	0.000
10/31/2001	1:00 PM	4	2 of 2	2.3	0.3	0.019	0.004	0.011	0.005	0.003	0.002
02/13/2002	1:00 PM	20	1 of 2	5.4	0.1	0.019	0.004	0.009	0.001	0.004	0.001
02/13/2002	1:00 PM	20	2 of 2	5.6	0.2	0.020	0.002	0.010	0.002	0.004	0.002
04/23/2002	12:10 PM	20	1 of 2	4.0	0.3	0.013	0.004	0.005	0.005	0.004	0.000
04/23/2002	12:10 PM	20	2 of 2	4.3	0.5	0.013	0.001	0.014	0.001	0.004	0.002
08/07/2002	6:50 PM	57	1 of 2	6.0	1.0	0.026	0.006	0.021	0.001	0.004	0.001
08/07/2002	6:50 PM	57	2 of 2	5.4	0.2	0.023	0.005	0.010	0.002	0.006	0.001
01/30/2003	3:30 PM	55	1 of 2	5.2	0.1	0.031	0.002	0.024	0.003	0.006	0.002
01/30/2003	3:30 PM	55	2 of 2	5.1	0.2	0.033	0.002	0.020	0.006	0.006	0.001
04/17/2003	2:30 PM	55	1 of 2	10	0	0.040	0.008	0.024	0.005	0.009	0.007
04/17/2003	2:30 PM	55	2 of 2	10	0	0.037	0.003	0.022	0.007	0.011	0.004
08/07/2003	4:00 PM	1	1 of 2	8.5	0.2	0.022	0.002	0.008	0.005	0.005	0.002
08/07/2003	4:00 PM	1	2 of 2	8.5	0.5	0.015	0.004	0.009	0.004	0.004	0.001

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01042)		Dysprosium (Dy) µg/L (82330)		Erbium (Er) µg/L (01246)		Europium (Eu) µg/L (01236)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	2.5	0.3	0.007	0.001	0.012	0.000	<0.002	0.001
08/07/2002	3:40 PM	10	2 of 2	2.4	0.4	0.007	0.003	0.005	0.003	<0.002	0.000
04/17/2003	1:20 PM	80	1 of 2	2.0	0.2	0.025	0.007	0.007	0.001	0.007	0.004
04/17/2003	1:20 PM	80	2 of 2	2.2	0.0	0.028	0.006	0.013	0.001	0.009	0.002
08/07/2003	1:00 PM	1	1 of 2	2.0	0.3	0.016	0.000	0.008	0.003	0.005	0.001
08/07/2003	1:00 PM	1	2 of 2	3.1	0.3	0.010	0.003	0.009	0.003	<0.003	0.001
08/07/2003	1:30 PM	40	1 of 2	5.0	2.5	0.016	0.003	0.009	0.006	0.007	0.000
08/07/2003	1:30 PM	40	2 of 2	2.2	0.0	0.016	0.005	0.009	0.002	<0.003	0.001
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	1,451	29	6.2	0.7	3.9	0.2	1.5	0.2
10/31/2001	2:15 PM	1	2 of 2	1,468	22	6.5	0.1	3.7	0.4	1.5	0.1
02/13/2002	3:10 PM	10	1 of 2	7.2	0.1	0.019	0.004	0.011	0.001	0.006	0.003
02/13/2002	3:10 PM	10	2 of 2	6.1	0.2	0.025	0.007	0.012	0.003	0.003	0.002
02/13/2002	3:30 PM	35	1of 1	29	0	0.060	0.008	0.040	0.004	0.010	0.001
04/24/2002	11:10 AM	30	1 of 2	8.8	0.5	0.020	0.004	0.014	0.004	0.005	0.003
04/24/2002	11:10 AM	30	2 of 2	8.9	0.3	0.017	0.003	0.012	0.004	0.006	0.003
08/07/2002	5:00 PM	1	1 of 2	301	37	0.71	0.04	0.42	0.00	0.14	0.00
08/07/2002	5:00 PM	1	2 of 2	314	7	0.69	0.00	0.43	0.00	0.14	0.00
11/05/2002	2:50 PM	0	1 of 2	927	49	3.7	0.1	2.3	0.1	0.88	0.01
11/05/2002	2:50 PM	0	2 of 2	917	32	3.6	0.0	2.3	0.0	0.88	0.01
01/30/2003	12:30 PM	10	1 of 2	4.6	0.1	0.019	0.003	0.011	0.006	0.005	0.002
01/30/2003	12:30 PM	10	2 of 2	4.9	0.3	0.021	0.003	0.015	0.001	0.005	0.003
01/30/2003	1:20 PM	38	1 of 2	342	1	0.55	0.00	0.34	0.03	0.13	0.00
01/30/2003	1:20 PM	38	2 of 2	345	27	0.58	0.01	0.37	0.00	0.13	0.00
04/17/2003	4:00 PM	40	1 of 2	366	6	0.91	0.05	0.52	0.01	0.19	0.00
04/17/2003	4:00 PM	40	2 of 2	376	28	0.94	0.05	0.59	0.04	0.20	0.03
08/07/2003	4:30 PM	1	1 of 2	54	6	0.031	0.004	0.029	0.002	0.010	0.004
08/07/2003	4:30 PM	1	2 of 2	53	1	0.041	0.005	0.024	0.009	0.005	0.002
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	1,291	40	2.5	0.3	1.50	0.16	0.47	0.01
02/13/2002	2:20 PM	52	1 of 2	24	0	0.056	0.007	0.033	0.003	0.010	0.003
02/13/2002	2:20 PM	52	2 of 2	24	0	0.047	0.001	0.028	0.009	0.010	0.002
04/23/2002	1:10 PM	20	1 of 2	3.7	0.2	0.009	0.001	0.006	0.003	0.004	0.003
04/23/2002	1:10 PM	20	2 of 2	4.1	0.4	0.012	0.003	<0.002	0.003	0.004	0.001
11/05/2002	2:00 PM	1	1 of 2	5,140	76	15	0	9.5	0.1	3.0	0.0
11/05/2002	2:00 PM	1	2 of 2	5,110	32	14	1	9.4	0.1	2.8	0.3

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01045)		Gadolinium (Gd) µg/L (01219)		Holmium (Ho) µg/L (01247)		Potassium (K) mg/L (00937)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	371	10	0.019	0.003	0.004	0.000	0.7	0.0
10/30/2001	5:15 PM	10	2 of 2	368	31	0.021	0.002	0.003	0.002	0.7	0.0
02/12/2002	12:00 PM	8	1 of 2	172	23	0.016	0.002	0.005	0.001	0.8	0.1
02/12/2002	12:00 PM	8	2 of 2	133	3	0.023	0.003	0.004	0.001	0.7	0.2
04/22/2002	3:20 PM	10	1 of 2	76	11	0.013	0.003	0.0022	0.0003	0.9	0.0
04/22/2002	3:20 PM	10	2 of 2	77	11	0.009	0.003	0.0027	0.0004	0.9	0.2
08/06/2002	4:30 PM	10	1 of 2	81	6	<0.005	0.001	0.0017	0.0005	0.6	0.2
08/06/2002	4:30 PM	10	2 of 2	85	1	0.006	0.002	0.0013	0.0001	0.6	0.1
04/15/2003	10:30 AM	40	1 of 2	2,910	180	0.093	0.007	0.018	0.002	0.92	0.07
04/15/2003	10:30 AM	40	2 of 2	1,630	109	0.065	0.003	0.013	0.002	0.77	0.11
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	584	31	0.071	0.004	0.015	0.001	1.02	0.09
11/01/2001	8:30 AM	70	2 of 2	548	12	0.056	0.004	0.012	0.003	1.05	0.13
02/12/2002	11:00 AM	140	1 of 2	324	12	0.029	0.013	0.005	0.001	0.5	0.1
02/12/2002	11:00 AM	140	2 of 2	312	12	0.030	0.004	0.006	0.001	0.6	0.1
04/22/2002	3:00 PM	140	1 of 2	208	8	0.028	0.004	0.0048	0.0004	1.1	0.0
04/22/2002	3:00 PM	140	2 of 2	212	18	0.026	0.003	0.0043	0.0001	0.8	0.1
08/08/2002	12:00 PM	45	1 of 2	77	7	0.011	0.004	0.0022	0.0001	0.8	0.1
08/08/2002	12:00 PM	45	2 of 2	131	9	0.015	0.001	0.0024	0.0004	0.5	0.1
08/08/2002	1:30 PM	113	1 of 2	133	10	0.014	0.003	0.0026	0.0008	0.7	0.1
08/08/2002	1:30 PM	113	2 of 2	118	5	0.011	0.005	0.0022	0.0000	0.7	0.1
11/04/2002	3:50 PM	10	1 of 2	757	9	0.072	0.004	0.012	0.000	1.0	0.1
11/04/2002	3:50 PM	10	2 of 2	770	53	0.071	0.005	0.013	0.001	1.0	0.1
11/04/2002	3:20 PM	55	1 of 2	527	29	0.042	0.003	0.0084	0.0009	1.0	0.1
11/04/2002	3:20 PM	55	2 of 2	534	31	0.043	0.000	0.0073	0.0005	1.1	0.1
01/29/2003	2:30 PM	10	1 of 2	90	16	0.028	0.003	0.004	0.002	1.2	0.1
01/29/2003	2:30 PM	10	2 of 2	91	5	0.027	0.005	0.003	0.001	1.1	0.1
01/28/2003	4:40 PM	140	1 of 2	152	23	0.028	0.007	0.005	0.000	0.9	0.1
01/28/2003	4:40 PM	140	2 of 2	152	17	0.041	0.003	0.006	0.001	0.9	0.1
04/16/2003	4:00 PM	150	1 of 2	129	15	0.013	0.008	0.003	0.000	0.65	0.08
04/16/2003	4:00 PM	150	2 of 2	127	8	0.017	0.002	0.003	0.002	0.64	0.07
08/05/2003	12:30 PM	1	1 of 2	73	19	0.006	0.003	0.0020	0.0006	0.6	0.0
08/05/2003	12:30 PM	1	2 of 2	72	18	<0.004	0.003	0.0010	0.0005	0.6	0.0
08/05/2003	3:30 PM	73	1 of 2	138	18	0.018	0.002	0.0026	0.0006	0.7	0.1
08/05/2003	3:30 PM	73	2 of 2	147	22	0.012	0.001	0.0020	0.0007	0.6	0.2
08/05/2003	1:00 PM	120	1 of 2	142	10	0.010	0.002	0.0032	0.0008	0.7	0.1
08/05/2003	1:00 PM	120	2 of 2	149	24	0.013	0.001	0.0024	0.0005	0.5	0.1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01045)		Gadolinium (Gd) µg/L (01219)		Holmium (Ho) µg/L (01247)		Potassium (K) mg/L (00937)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	221	22	0.011	0.003	0.003	0.001	0.8	0.1
10/29/2001	4:15 PM	6	2 of 2	218	5	0.009	0.003	0.003	0.001	0.8	0.0
02/12/2002	1:30 PM	60	1 of 2	186	10	0.024	0.009	0.006	0.000	0.9	0.2
02/12/2002	1:30 PM	60	2 of 2	183	18	0.022	0.005	0.004	0.001	0.9	0.2
04/22/2002	1:50 PM	10	1 of 2	79	1	0.011	0.004	0.0028	0.0003	0.9	0.0
04/22/2002	1:50 PM	10	2 of 2	89	5	0.013	0.003	0.0030	0.0008	0.8	0.0
04/15/2003	12:40 PM	32	1 of 2	94	14	0.012	0.003	0.002	0.002	0.75	0.05
04/15/2003	12:40 PM	32	2 of 2	95	9	0.010	0.002	0.003	0.001	0.69	0.04
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	1,650	21	0.060	0.006	0.012	0.002	0.8	0.0
10/29/2001	2:45 PM	50	2 of 2	1,720	1	0.055	0.001	0.011	0.001	0.8	0.0
02/13/2002	8:30 AM	120	1 of 2	287	22	0.030	0.003	0.006	0.002	0.5	0.1
02/13/2002	8:30 AM	120	2 of 2	267	21	0.030	0.010	0.007	0.002	0.6	0.2
04/22/2002	12:20 PM	120	1 of 2	234	25	0.032	0.004	0.0057	0.0007	0.8	0.0
04/22/2002	12:20 PM	120	2 of 2	233	15	0.031	0.004	0.0064	0.0001	0.8	0.0
08/07/2002	12:10 PM	10	1 of 2	104	12	0.009	0.003	0.0021	0.0004	0.7	0.2
08/07/2002	12:10 PM	10	2 of 2	106	12	0.011	0.004	0.0019	0.0006	0.7	0.0
08/07/2002	12:40 PM	47	1 of 2	146	17	0.014	0.003	0.0030	0.0015	0.7	0.1
08/07/2002	12:40 PM	47	2 of 2	152	9	0.011	0.003	0.0026	0.0011	0.7	0.3
08/08/2002	2:50 PM	80	1 of 2	156	7	0.018	0.000	0.0037	0.0004	0.7	0.2
08/08/2002	2:50 PM	80	2 of 2	159	11	0.018	0.001	0.0028	0.0003	0.7	0.2
11/05/2002	2:30 PM	10	1 of 2	454	28	0.045	0.007	0.0079	0.0010	1.0	0.0
11/05/2002	2:30 PM	10	2 of 2	462	58	0.034	0.003	0.0088	0.0015	1.0	0.0
11/05/2002	2:10 PM	30	1 of 2	1,050	94	0.092	0.000	0.017	0.001	1.1	0.1
11/05/2002	2:10 PM	30	2 of 2	1,020	0	0.091	0.014	0.017	0.001	1.1	0.1
01/29/2003	2:00 PM	10	1 of 2	110	13	0.025	0.007	0.004	0.001	1.0	0.0
01/29/2003	2:00 PM	10	2 of 2	112	13	0.028	0.003	0.004	0.001	0.9	0.0
01/28/2003	3:30 PM	120	1 of 2	152	8	0.030	0.005	0.006	0.001	0.8	0.1
01/28/2003	3:30 PM	120	2 of 2	155	27	0.030	0.003	0.005	0.002	0.8	0.1
04/17/2003	10:30 AM	125	1 of 2	161	3	0.029	0.004	0.004	0.001	0.63	0.10
04/17/2003	10:30 AM	125	2 of 2	166	14	0.024	0.007	0.004	0.000	0.60	0.08
08/07/2003	11:30 AM	1	1 of 2	100	20	<0.004	0.001	0.0020	0.0007	0.7	0.1
08/07/2003	11:30 AM	1	2 of 2	95	7	0.007	0.006	0.0016	0.0011	0.6	0.0
08/07/2003	11:50 AM	100	1 of 2	190	17	0.025	0.002	0.0040	0.0003	0.8	0.1
08/07/2003	11:50 AM	100	2 of 2	207	8	0.020	0.004	0.0045	0.0024	0.7	0.0

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01045)		Gadolinium (Gd) µg/L (01219)		Holmium (Ho) µg/L (01247)		Potassium (K) mg/L (00937)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	736	13	0.033	0.004	0.006	0.001	0.8	0.0
10/31/2001	10:15 AM	12	2 of 2	694	14	0.036	0.006	0.007	0.002	0.7	0.0
02/13/2002	9:00 AM	80	1 of 2	296	8	0.036	0.004	0.006	0.001	0.6	0.1
02/13/2002	9:00 AM	80	2 of 2	305	22	0.029	0.007	0.005	0.001	0.5	0.1
04/22/2002	10:40 AM	80	1 of 2	232	19	0.028	0.002	0.0061	0.0007	0.8	0.0
04/22/2002	10:40 AM	80	2 of 2	234	21	0.023	0.004	0.0061	0.0003	0.8	0.1
08/06/2002	5:50 PM	10	1 of 2	127	15	0.013	0.001	0.0018	0.0004	0.7	0.1
08/06/2002	5:50 PM	10	2 of 2	130	13	0.011	0.004	<0.0007	0.0003	0.6	0.1
08/06/2002	6:20 PM	55	1 of 2	661	48	0.020	0.004	0.0033	0.0011	0.6	0.0
08/06/2002	6:20 PM	55	2 of 2	653	11	0.019	0.005	0.0054	0.0000	0.6	0.1
11/05/2002	4:10 PM	7	1 of 2	522	32	0.041	0.004	0.0083	0.0013	1.4	0.1
11/05/2002	4:10 PM	7	2 of 2	502	30	0.052	0.007	0.0097	0.0011	1.4	0.2
01/29/2003	1:20 PM	10	1 of 2	104	8	0.029	0.005	0.006	0.001	0.8	0.1
01/29/2003	1:20 PM	10	2 of 2	109	6	0.023	0.005	0.005	0.000	0.8	0.1
01/28/2003	2:50 PM	85	1 of 2	147	4	0.027	0.007	0.005	0.001	0.7	0.0
01/28/2003	2:50 PM	85	2 of 2	152	25	0.030	0.003	0.005	0.001	0.8	0.1
04/17/2003	11:30 AM	90	1 of 2	245	23	0.037	0.005	0.005	0.002	0.70	0.05
04/17/2003	11:30 AM	90	2 of 2	231	25	0.032	0.006	0.006	0.002	0.58	0.14
08/07/2003	10:00 AM	1	1 of 2	173	69	0.005	0.002	0.0016	0.0010	0.8	0.0
08/07/2003	10:00 AM	1	2 of 2	146	21	0.010	0.003	0.0033	0.0004	0.7	0.2
08/06/2003	3:00 PM	100	1 of 2	3,950	680	0.19	0.01	0.034	0.001	0.8	0.1
08/06/2003	3:00 PM	100	2 of 2	3,860	539	0.17	0.00	0.029	0.003	0.6	0.1
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	387	6	0.016	0.001	0.002	0.001	0.7	0.0
10/31/2001	1:00 PM	4	2 of 2	409	20	0.015	0.002	0.004	0.000	0.7	0.0
02/13/2002	1:00 PM	20	1 of 2	196	11	0.027	0.002	0.005	0.001	0.7	0.0
02/13/2002	1:00 PM	20	2 of 2	218	6	0.019	0.008	0.005	0.001	0.6	0.1
04/23/2002	12:10 PM	20	1 of 2	125	13	0.014	0.006	0.0021	0.0017	0.9	0.1
04/23/2002	12:10 PM	20	2 of 2	124	7	0.014	0.001	0.0024	0.0009	0.9	0.1
08/07/2002	6:50 PM	57	1 of 2	255	11	0.024	0.001	0.0043	0.0006	0.6	0.2
08/07/2002	6:50 PM	57	2 of 2	307	32	0.023	0.006	0.0047	0.0007	0.6	0.1
01/30/2003	3:30 PM	55	1 of 2	160	5	0.032	0.004	0.006	0.002	0.9	0.0
01/30/2003	3:30 PM	55	2 of 2	174	21	0.029	0.005	0.007	0.001	0.9	0.1
04/17/2003	2:30 PM	55	1 of 2	282	15	0.031	0.007	0.007	0.002	0.58	0.16
04/17/2003	2:30 PM	55	2 of 2	294	12	0.043	0.009	0.009	0.002	0.77	0.30
08/07/2003	4:00 PM	1	1 of 2	227	31	0.014	0.002	0.0024	0.0010	0.6	0.1
08/07/2003	4:00 PM	1	2 of 2	239	30	0.015	0.003	0.0035	0.0003	0.5	0.1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01045)		Gadolinium (Gd) µg/L (01219)		Holmium (Ho) µg/L (01247)		Potassium (K) mg/L (00937)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	113	15	0.012	0.003	0.0027	0.0006	0.7	0.2
08/07/2002	3:40 PM	10	2 of 2	115	7	0.010	0.001	0.0015	0.0009	0.7	0.1
04/17/2003	1:20 PM	80	1 of 2	181	18	0.017	0.004	0.004	0.002	0.69	0.11
04/17/2003	1:20 PM	80	2 of 2	194	18	0.023	0.005	0.004	0.002	0.68	0.12
08/07/2003	1:00 PM	1	1 of 2	149	9	0.010	0.004	0.0032	0.0004	0.5	0.2
08/07/2003	1:00 PM	1	2 of 2	139	25	0.011	0.002	0.0019	0.0004	0.7	0.2
08/07/2003	1:30 PM	40	1 of 2	249	46	0.015	0.003	0.0042	0.0010	0.8	0.1
08/07/2003	1:30 PM	40	2 of 2	245	48	0.016	0.006	0.0025	0.0002	0.5	0.3
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	33,800	142	5.3	0.6	1.4	0.0	4.9	0.0
10/31/2001	2:15 PM	1	2 of 2	34,300	108	5.4	0.5	1.3	0.1	5.0	0.1
02/13/2002	3:10 PM	10	1 of 2	204	11	0.023	0.003	0.005	0.001	0.7	0.1
02/13/2002	3:10 PM	10	2 of 2	215	14	0.023	0.002	0.005	0.001	0.8	0.2
02/13/2002	3:30 PM	35	1of 1	306	12	0.058	0.010	0.014	0.001	0.7	0.1
04/24/2002	11:10 AM	30	1 of 2	168	39	0.022	0.006	0.0047	0.0009	0.7	0.0
04/24/2002	11:10 AM	30	2 of 2	158	10	0.020	0.006	0.0057	0.0001	0.7	0.0
08/07/2002	5:00 PM	1	1 of 2	1,060	47	0.61	0.02	0.16	0.00	1.6	0.2
08/07/2002	5:00 PM	1	2 of 2	1,040	96	0.58	0.01	0.14	0.00	1.6	0.1
11/05/2002	2:50 PM	0	1 of 2	8,110	511	3.3	0.1	0.80	0.02	4.9	0.1
11/05/2002	2:50 PM	0	2 of 2	8,000	595	3.1	0.2	0.78	0.00	5.0	0.0
01/30/2003	12:30 PM	10	1 of 2	89	13	0.028	0.005	0.004	0.001	1.1	0.0
01/30/2003	12:30 PM	10	2 of 2	89	4	0.023	0.006	0.005	0.001	1.0	0.1
01/30/2003	1:20 PM	38	1 of 2	77	12	0.49	0.02	0.11	0.00	1.4	0.1
01/30/2003	1:20 PM	38	2 of 2	76	9	0.50	0.00	0.12	0.00	2.2	0.7
04/17/2003	4:00 PM	40	1 of 2	320	6	0.76	0.01	0.19	0.01	1.3	0.1
04/17/2003	4:00 PM	40	2 of 2	318	25	0.74	0.02	0.21	0.00	1.1	0.0
08/07/2003	4:30 PM	1	1 of 2	133	58	0.028	0.002	0.0067	0.0003	1.0	0.0
08/07/2003	4:30 PM	1	2 of 2	119	24	0.031	0.002	0.0079	0.0005	1.1	0.0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	3,980	56	2.1	0.1	0.51	0.02	2.3	0.4
02/13/2002	2:20 PM	52	1 of 2	547	21	0.055	0.009	0.012	0.001	0.8	0.1
02/13/2002	2:20 PM	52	2 of 2	502	31	0.061	0.004	0.012	0.000	0.8	0.1
04/23/2002	1:10 PM	20	1 of 2	117	22	0.013	0.007	0.0021	0.0004	0.8	0.0
04/23/2002	1:10 PM	20	2 of 2	123	21	0.010	0.002	0.0025	0.0009	0.8	0.0
11/05/2002	2:00 PM	1	1 of 2	1,730	189	12	0	3.4	0.0	3.7	0.2
11/05/2002	2:00 PM	1	2 of 2	1,750	40	12	1	3.3	0.1	3.7	0.0

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01182)		Lithium (Li) µg/L (01132)		Lutetium (Lu) µg/L (01244)		Magnesium (Mg) mg/L (00921)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.071	0.006	0.4	0.2	<0.0009	0.0006	6.4	0.2
10/30/2001	5:15 PM	10	2 of 2	0.065	0.004	0.2	0.1	0.0010	0.0009	6.4	0.4
02/12/2002	12:00 PM	8	1 of 2	0.059	0.005	0.7	0.1	0.002	0.001	4.6	0.3
02/12/2002	12:00 PM	8	2 of 2	0.056	0.002	0.6	0.1	0.002	0.000	3.6	0.3
04/22/2002	3:20 PM	10	1 of 2	0.033	0.003	0.65	0.10	<0.001	0.000	3.3	0.0
04/22/2002	3:20 PM	10	2 of 2	0.029	0.003	0.61	0.17	0.001	0.001	3.5	0.4
08/06/2002	4:30 PM	10	1 of 2	0.022	0.003	0.39	0.10	<0.001	0.000	3.4	0.2
08/06/2002	4:30 PM	10	2 of 2	0.024	0.003	0.46	0.15	<0.001	0.000	3.4	0.2
04/15/2003	10:30 AM	40	1 of 2	0.32	0.00	0.82	0.08	0.007	0.002	3.7	0.2
04/15/2003	10:30 AM	40	2 of 2	0.22	0.01	0.75	0.17	0.004	0.000	3.4	0.2
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.23	0.00	0.9	0.6	0.0057	0.0012	5.8	0.3
11/01/2001	8:30 AM	70	2 of 2	0.25	0.01	0.8	0.3	0.0068	0.0034	5.8	0.5
02/12/2002	11:00 AM	140	1 of 2	1.6	0.0	0.5	0.1	0.002	0.000	4.1	0.0
02/12/2002	11:00 AM	140	2 of 2	0.089	0.005	0.6	0.2	0.003	0.001	4.0	0.0
04/22/2002	3:00 PM	140	1 of 2	0.077	0.006	0.64	0.13	0.002	0.001	3.4	0.2
04/22/2002	3:00 PM	140	2 of 2	0.080	0.007	0.63	0.03	0.002	0.001	3.5	0.3
08/08/2002	12:00 PM	45	1 of 2	0.028	0.001	0.43	0.07	0.001	0.001	3.5	0.2
08/08/2002	12:00 PM	45	2 of 2	0.040	0.002	0.42	0.07	0.001	0.001	2.9	0.2
08/08/2002	1:30 PM	113	1 of 2	0.038	0.002	0.46	0.10	0.002	0.001	2.8	0.2
08/08/2002	1:30 PM	113	2 of 2	0.029	0.002	0.36	0.05	<0.001	0.000	3.4	0.3
11/04/2002	3:50 PM	10	1 of 2	0.25	0.01	0.66	0.19	0.0035	0.0016	5.1	0.3
11/04/2002	3:50 PM	10	2 of 2	0.25	0.01	0.66	0.17	0.0044	0.0012	5.0	0.4
11/04/2002	3:20 PM	55	1 of 2	0.18	0.01	0.37	0.03	0.0037	0.0003	5.2	0.3
11/04/2002	3:20 PM	55	2 of 2	0.18	0.00	0.43	0.04	0.0039	0.0011	5.2	0.3
01/29/2003	2:30 PM	10	1 of 2	0.059	0.005	0.51	0.14	0.0024	0.0013	3.6	0.1
01/29/2003	2:30 PM	10	2 of 2	0.056	0.002	0.84	0.27	0.0018	0.0005	3.3	0.4
01/28/2003	4:40 PM	140	1 of 2	0.097	0.006	0.75	0.34	0.0029	0.0001	2.4	0.2
01/28/2003	4:40 PM	140	2 of 2	0.092	0.001	0.72	0.34	0.0025	0.0007	2.5	0.2
04/16/2003	4:00 PM	150	1 of 2	0.055	0.002	0.62	0.12	0.002	0.000	2.6	0.2
04/16/2003	4:00 PM	150	2 of 2	0.054	0.007	0.64	0.19	0.003	0.000	2.6	0.2
08/05/2003	12:30 PM	1	1 of 2	0.022	0.005	0.6	0.0	<0.0008	0.0001	3.1	0.3
08/05/2003	12:30 PM	1	2 of 2	0.024	0.002	0.6	0.1	0.0009	0.0003	3.1	0.4
08/05/2003	3:30 PM	73	1 of 2	0.049	0.005	0.3	0.1	0.0013	0.0007	2.9	0.3
08/05/2003	3:30 PM	73	2 of 2	0.050	0.006	0.6	0.5	0.0017	0.0006	2.9	0.3
08/05/2003	1:00 PM	120	1 of 2	0.043	0.005	0.5	0.2	0.0012	0.0009	3.1	0.3
08/05/2003	1:00 PM	120	2 of 2	0.038	0.003	0.4	0.0	0.0014	0.0002	3.1	0.4

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01182)		Lithium (Li) µg/L (01132)		Lutetium (Lu) µg/L (01244)		Magnesium (Mg) mg/L (00921)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.046	0.008	0.5	0.1	<0.0009	0.0007	6.4	0.6
10/29/2001	4:15 PM	6	2 of 2	0.042	0.006	0.3	0.1	0.0009	0.0009	6.3	0.1
02/12/2002	1:30 PM	60	1 of 2	0.061	0.006	0.7	0.1	0.003	0.001	4.0	0.2
02/12/2002	1:30 PM	60	2 of 2	0.050	0.001	0.6	0.1	0.002	0.000	4.5	0.2
04/22/2002	1:50 PM	10	1 of 2	0.039	0.007	0.45	0.01	0.002	0.000	3.3	0.3
04/22/2002	1:50 PM	10	2 of 2	0.039	0.005	0.69	0.19	0.001	0.000	3.4	0.2
04/15/2003	12:40 PM	32	1 of 2	0.033	0.003	0.51	0.10	<0.001	0.001	3.0	0.2
04/15/2003	12:40 PM	32	2 of 2	0.039	0.006	0.69	0.09	<0.001	0.001	3.0	0.3
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.25	0.03	0.5	0.2	0.0042	0.0006	6.3	0.1
10/29/2001	2:45 PM	50	2 of 2	0.26	0.01	0.5	0.3	0.0041	0.0007	6.4	0.1
02/13/2002	8:30 AM	120	1 of 2	0.086	0.003	0.6	0.2	0.002	0.001	3.7	0.1
02/13/2002	8:30 AM	120	2 of 2	0.082	0.001	0.5	0.1	0.002	0.001	3.7	0.3
04/22/2002	12:20 PM	120	1 of 2	0.088	0.003	0.68	0.24	0.003	0.000	3.5	0.3
04/22/2002	12:20 PM	120	2 of 2	0.090	0.002	0.71	0.18	0.003	0.001	3.5	0.2
08/07/2002	12:10 PM	10	1 of 2	0.029	0.004	0.56	0.08	<0.001	0.001	3.4	0.2
08/07/2002	12:10 PM	10	2 of 2	0.031	0.002	0.55	0.27	<0.001	0.000	3.4	0.3
08/07/2002	12:40 PM	47	1 of 2	0.042	0.003	0.42	0.00	0.002	0.001	3.0	0.3
08/07/2002	12:40 PM	47	2 of 2	0.041	0.001	0.44	0.13	0.001	0.001	3.0	0.2
08/08/2002	2:50 PM	80	1 of 2	0.053	0.004	0.40	0.15	0.002	0.000	3.3	0.3
08/08/2002	2:50 PM	80	2 of 2	0.051	0.001	0.43	0.08	0.002	0.001	3.4	0.3
11/05/2002	2:30 PM	10	1 of 2	0.16	0.01	0.55	0.13	0.0033	0.0007	5.2	0.3
11/05/2002	2:30 PM	10	2 of 2	0.16	0.01	0.64	0.10	0.0031	0.0009	5.2	0.6
11/05/2002	2:10 PM	30	1 of 2	0.32	0.03	0.62	0.13	0.0064	0.0002	5.6	0.5
11/05/2002	2:10 PM	30	2 of 2	0.32	0.03	0.62	0.04	0.0049	0.0014	5.4	0.0
01/29/2003	2:00 PM	10	1 of 2	0.070	0.001	0.86	0.39	0.0028	0.0008	3.1	0.3
01/29/2003	2:00 PM	10	2 of 2	0.071	0.004	0.87	0.53	0.0027	0.0008	3.0	0.2
01/28/2003	3:30 PM	120	1 of 2	0.091	0.004	0.79	0.01	0.0026	0.0004	2.6	0.2
01/28/2003	3:30 PM	120	2 of 2	0.080	0.005	0.67	0.27	0.0025	0.0002	2.7	0.3
04/17/2003	10:30 AM	125	1 of 2	0.072	0.010	0.63	0.26	0.002	0.001	2.7	0.1
04/17/2003	10:30 AM	125	2 of 2	0.066	0.006	0.42	0.03	0.003	0.002	2.8	0.2
08/07/2003	11:30 AM	1	1 of 2	0.026	0.003	0.6	0.3	<0.0008	0.0008	3.1	0.3
08/07/2003	11:30 AM	1	2 of 2	0.022	0.000	0.7	0.3	0.0010	0.0003	3.1	0.3
08/07/2003	11:50 AM	100	1 of 2	0.057	0.005	0.5	0.2	0.0016	0.0003	3.2	0.4
08/07/2003	11:50 AM	100	2 of 2	0.055	0.004	0.6	0.3	0.0014	0.0004	3.2	0.4

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01182)		Lithium (Li) µg/L (01132)		Lutetium (Lu) µg/L (01244)		Magnesium (Mg) mg/L (00921)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.14	0.02	0.5	0.2	0.0020	0.0007	6.2	0.1
10/31/2001	10:15 AM	12	2 of 2	0.14	0.01	0.4	0.1	0.0014	0.0004	6.1	0.1
02/13/2002	9:00 AM	80	1 of 2	0.100	0.003	0.6	0.2	<0.001	0.001	3.0	0.1
02/13/2002	9:00 AM	80	2 of 2	0.092	0.003	0.7	0.2	0.003	0.000	3.4	0.2
04/22/2002	10:40 AM	80	1 of 2	0.094	0.006	0.65	0.11	0.002	0.001	3.1	0.3
04/22/2002	10:40 AM	80	2 of 2	0.081	0.006	0.56	0.04	0.002	0.001	3.2	0.3
08/06/2002	5:50 PM	10	1 of 2	0.032	0.005	0.48	0.18	<0.001	0.000	3.6	0.2
08/06/2002	5:50 PM	10	2 of 2	0.030	0.000	0.46	0.22	<0.001	0.000	3.5	0.3
08/06/2002	6:20 PM	55	1 of 2	0.062	0.006	0.40	0.06	0.001	0.001	3.4	0.2
08/06/2002	6:20 PM	55	2 of 2	0.062	0.006	0.54	0.20	0.001	0.000	3.4	0.2
11/05/2002	4:10 PM	7	1 of 2	0.17	0.01	0.50	0.14	0.0024	0.0010	5.3	0.4
11/05/2002	4:10 PM	7	2 of 2	0.16	0.01	0.49	0.11	0.0026	0.0011	5.2	0.3
01/29/2003	1:20 PM	10	1 of 2	0.077	0.005	1.3	0.5	0.0022	0.0007	2.2	0.1
01/29/2003	1:20 PM	10	2 of 2	0.074	0.006	1.0	0.2	0.0021	0.0005	2.2	0.2
01/28/2003	2:50 PM	85	1 of 2	0.083	0.008	0.72	0.20	0.0021	0.0005	2.5	0.1
01/28/2003	2:50 PM	85	2 of 2	0.079	0.004	0.94	0.30	0.0033	0.0003	2.7	0.4
04/17/2003	11:30 AM	90	1 of 2	0.096	0.004	0.55	0.08	0.003	0.001	2.8	0.2
04/17/2003	11:30 AM	90	2 of 2	0.095	0.009	0.68	0.19	0.002	0.001	2.8	0.2
08/07/2003	10:00 AM	1	1 of 2	0.033	0.003	0.7	0.2	0.0009	0.0004	3.3	0.5
08/07/2003	10:00 AM	1	2 of 2	0.031	0.004	0.9	0.4	<0.0008	0.0008	3.3	0.4
08/06/2003	3:00 PM	100	1 of 2	0.63	0.04	1.0	0.2	0.011	0.000	3.7	0.5
08/06/2003	3:00 PM	100	2 of 2	0.60	0.06	1.0	0.2	0.0090	0.0000	3.7	0.4
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.061	0.002	0.3	0.3	<0.0009	0.0003	6.5	0.1
10/31/2001	1:00 PM	4	2 of 2	0.058	0.006	<0.2	0.2	0.0009	0.0007	6.5	0.1
02/13/2002	1:00 PM	20	1 of 2	0.060	0.002	0.6	0.1	0.002	0.001	4.2	0.5
02/13/2002	1:00 PM	20	2 of 2	0.066	0.003	0.4	0.1	0.002	0.001	4.2	0.3
04/23/2002	12:10 PM	20	1 of 2	0.034	0.003	0.55	0.11	<0.001	0.000	3.5	0.1
04/23/2002	12:10 PM	20	2 of 2	0.039	0.001	0.63	0.09	0.002	0.001	3.5	0.3
08/07/2002	6:50 PM	57	1 of 2	0.074	0.009	0.48	0.17	0.002	0.001	3.4	0.3
08/07/2002	6:50 PM	57	2 of 2	0.070	0.006	0.45	0.16	0.002	0.001	3.5	0.1
01/30/2003	3:30 PM	55	1 of 2	0.082	0.003	0.82	0.21	0.0027	0.0006	3.0	0.5
01/30/2003	3:30 PM	55	2 of 2	0.080	0.006	0.65	0.06	0.0026	0.0011	2.9	0.3
04/17/2003	2:30 PM	55	1 of 2	0.10	0.00	0.59	0.13	0.003	0.001	3.2	0.1
04/17/2003	2:30 PM	55	2 of 2	0.10	0.01	0.60	0.24	0.002	0.001	3.2	0.1
08/07/2003	4:00 PM	1	1 of 2	0.044	0.005	0.6	0.3	0.0023	0.0003	3.3	0.3
08/07/2003	4:00 PM	1	2 of 2	0.040	0.003	0.6	0.2	0.0014	0.0010	3.3	0.4

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01182)		Lithium (Li) µg/L (01132)		Lutetium (Lu) µg/L (01244)		Magnesium (Mg) mg/L (00921)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.029	0.002	0.41	0.03	<0.001	0.000	3.4	0.3
08/07/2002	3:40 PM	10	2 of 2	0.028	0.004	0.45	0.12	<0.001	0.000	3.3	0.1
04/17/2003	1:20 PM	80	1 of 2	0.066	0.004	0.65	0.16	0.002	0.001	2.9	0.2
04/17/2003	1:20 PM	80	2 of 2	0.067	0.006	0.74	0.11	0.002	0.000	2.8	0.2
08/07/2003	1:00 PM	1	1 of 2	0.049	0.005	0.8	0.4	<0.0008	0.0004	3.2	0.2
08/07/2003	1:00 PM	1	2 of 2	0.031	0.006	0.6	0.3	0.0013	0.0006	3.1	0.3
08/07/2003	1:30 PM	40	1 of 2	0.062	0.007	0.6	0.3	0.0020	0.0007	2.7	0.3
08/07/2003	1:30 PM	40	2 of 2	0.060	0.007	0.6	0.2	0.0023	0.0005	2.7	0.3
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	9.7	0.1	6.9	0.8	0.41	0.05	39	0
10/31/2001	2:15 PM	1	2 of 2	9.0	0.8	6.4	0.1	0.40	0.05	40	1
02/13/2002	3:10 PM	10	1 of 2	0.060	0.002	0.6	0.1	0.002	0.000	4.4	0.1
02/13/2002	3:10 PM	10	2 of 2	0.053	0.001	0.7	0.2	0.002	0.002	4.4	0.4
02/13/2002	3:30 PM	35	1of 1	0.10	0.00	0.7	0.2	0.004	0.000	4.4	0.2
04/24/2002	11:10 AM	30	1 of 2	0.065	0.004	0.68	0.10	0.002	0.000	3.1	0.3
04/24/2002	11:10 AM	30	2 of 2	0.062	0.002	0.60	0.16	0.001	0.000	3.2	0.2
08/07/2002	5:00 PM	1	1 of 2	1.1	0.0	1.7	0.2	0.044	0.002	9.5	0.0
08/07/2002	5:00 PM	1	2 of 2	1.1	0.0	1.8	0.2	0.045	0.001	9.1	0.7
11/05/2002	2:50 PM	0	1 of 2	5.7	0.1	5.7	0.5	0.26	0.01	24	1
11/05/2002	2:50 PM	0	2 of 2	5.6	0.1	5.8	0.1	0.25	0.00	24	2
01/30/2003	12:30 PM	10	1 of 2	0.057	0.004	0.58	0.04	0.0018	0.0005	3.3	0.4
01/30/2003	12:30 PM	10	2 of 2	0.056	0.003	0.73	0.28	0.0028	0.0002	3.1	0.3
01/30/2003	1:20 PM	38	1 of 2	0.84	0.01	1.6	0.1	0.039	0.001	7.3	0.1
01/30/2003	1:20 PM	38	2 of 2	0.82	0.01	1.6	0.1	0.039	0.001	6.8	0.5
04/17/2003	4:00 PM	40	1 of 2	1.4	0.0	1.7	0.2	0.063	0.006	6.7	0.3
04/17/2003	4:00 PM	40	2 of 2	1.5	0.1	1.6	0.2	0.068	0.001	6.6	0.4
08/07/2003	4:30 PM	1	1 of 2	0.075	0.009	1.2	0.2	0.0018	0.0000	4.9	0.6
08/07/2003	4:30 PM	1	2 of 2	0.075	0.004	1.0	0.2	0.0025	0.0005	5.0	0.6
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	3.8	0.4	1.9	0.3	0.152	0.017	50	0
02/13/2002	2:20 PM	52	1 of 2	0.12	0.00	0.8	0.1	0.005	0.001	4.9	0.2
02/13/2002	2:20 PM	52	2 of 2	0.12	0.00	0.6	0.1	0.004	0.001	4.7	0.2
04/23/2002	1:10 PM	20	1 of 2	0.037	0.004	0.67	0.08	0.001	0.000	3.3	0.2
04/23/2002	1:10 PM	20	2 of 2	0.038	0.004	0.56	0.07	0.001	0.001	3.5	0.3
11/05/2002	2:00 PM	1	1 of 2	15	1	8.0	0.0	1.0	0.1	131	12
11/05/2002	2:00 PM	1	2 of 2	14	1	7.6	0.0	0.99	0.09	128	10

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01055)		Molybdenum (Mo) µg/L (01062)		Sodium (Na) mg/L (00923)		Neodymium (Nd) µg/L (01237)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	55	1	<0.4	0.3	5.2	0.2	0.086	0.002
10/30/2001	5:15 PM	10	2 of 2	56	3	0.5	0.7	5.3	0.3	0.083	0.015
02/12/2002	12:00 PM	8	1 of 2	7.4	0.6	0.5	0.5	3.7	0.1	0.07	0.01
02/12/2002	12:00 PM	8	2 of 2	5.9	0.6	0.7	0.4	3.7	0.2	0.07	0.00
04/22/2002	3:20 PM	10	1 of 2	3.7	0.3	0.5	0.1	4.4	0.2	0.046	0.006
04/22/2002	3:20 PM	10	2 of 2	3.8	0.6	<0.4	0.4	4.0	0.1	0.046	0.003
08/06/2002	4:30 PM	10	1 of 2	12	1	0.4	0.4	4.5	0.5	0.034	0.009
08/06/2002	4:30 PM	10	2 of 2	12	1	0.5	0.1	4.5	0.4	0.030	0.005
04/15/2003	10:30 AM	40	1 of 2	91	10	1.6	0.3	3.1	0.2	0.42	0.03
04/15/2003	10:30 AM	40	2 of 2	37	2	0.6	0.7	3.1	0.1	0.29	0.02
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	3,500	42	<0.7	0.2	5.0	0.3	0.31	0.02
11/01/2001	8:30 AM	70	2 of 2	3,550	303	<0.7	0.5	5.0	0.3	0.32	0.01
02/12/2002	11:00 AM	140	1 of 2	24	1	0.4	0.6	3.5	0.2	0.73	0.01
02/12/2002	11:00 AM	140	2 of 2	24	1	1.8	0.4	3.5	0.1	0.13	0.01
04/22/2002	3:00 PM	140	1 of 2	21	2	0.8	0.7	3.9	0.1	0.095	0.004
04/22/2002	3:00 PM	140	2 of 2	20	0	0.8	0.8	4.1	0.1	0.11	0.01
08/08/2002	12:00 PM	45	1 of 2	152	11	0.8	0.7	3.9	0.3	0.038	0.003
08/08/2002	12:00 PM	45	2 of 2	21	1	0.8	0.7	3.9	0.2	0.053	0.003
08/08/2002	1:30 PM	113	1 of 2	20	1	<0.4	0.2	3.5	0.3	0.046	0.009
08/08/2002	1:30 PM	113	2 of 2	157	4	<0.4	0.1	3.8	0.4	0.043	0.002
11/04/2002	3:50 PM	10	1 of 2	1,380	79	<0.3	0.0	5.3	0.3	0.29	0.00
11/04/2002	3:50 PM	10	2 of 2	1,370	99	0.5	0.2	5.4	0.2	0.30	0.01
11/04/2002	3:20 PM	55	1 of 2	338	1	0.4	0.1	5.6	0.2	0.21	0.01
11/04/2002	3:20 PM	55	2 of 2	347	18	0.3	0.2	5.9	0.2	0.22	0.02
01/29/2003	2:30 PM	10	1 of 2	3.0	0.5	<0.4	0.1	4.0	0.1	0.073	0.012
01/29/2003	2:30 PM	10	2 of 2	3.4	0.9	<0.4	0.3	3.8	0.0	0.092	0.004
01/28/2003	4:40 PM	140	1 of 2	43	1	<0.4	0.2	3.4	0.1	0.13	0.00
01/28/2003	4:40 PM	140	2 of 2	44	5	<0.4	0.2	3.3	0.1	0.15	0.01
04/16/2003	4:00 PM	150	1 of 2	46	1	<0.5	0.3	3.0	0.4	0.07	0.01
04/16/2003	4:00 PM	150	2 of 2	46	0	<0.5	0.2	2.8	0.0	0.08	0.01
08/05/2003	12:30 PM	1	1 of 2	7.8	0.6	<0.4	0.3	4.1	0.2	0.024	0.010
08/05/2003	12:30 PM	1	2 of 2	7.9	0.7	<0.4	0.3	4.2	0.1	0.030	0.003
08/05/2003	3:30 PM	73	1 of 2	15	1	<0.4	0.3	3.9	0.3	0.066	0.007
08/05/2003	3:30 PM	73	2 of 2	15	2	0.9	0.0	3.7	0.3	0.062	0.009
08/05/2003	1:00 PM	120	1 of 2	502	47	<0.4	0.4	3.9	0.6	0.055	0.009
08/05/2003	1:00 PM	120	2 of 2	488	60	<0.4	0.0	3.8	0.2	0.047	0.002

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01055)		Molybdenum (Mo) µg/L (01062)		Sodium (Na) mg/L (00923)		Neodymium (Nd) µg/L (01237)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	62	4	<0.4	0.2	5.2	0.1	0.054	0.003
10/29/2001	4:15 PM	6	2 of 2	62	1	<0.4	0.3	5.2	0.1	0.052	0.008
02/12/2002	1:30 PM	60	1 of 2	6.9	2.1	0.4	0.2	3.8	0.1	0.10	0.01
02/12/2002	1:30 PM	60	2 of 2	7.6	0.4	0.4	0.4	3.5	0.2	0.06	0.00
04/22/2002	1:50 PM	10	1 of 2	4.1	0.0	<0.4	0.4	3.9	0.2	0.052	0.007
04/22/2002	1:50 PM	10	2 of 2	4.4	0.3	<0.4	0.1	4.2	0.1	0.044	0.007
04/15/2003	12:40 PM	32	1 of 2	5.4	0.4	<0.5	0.2	3.1	0.3	0.04	0.00
04/15/2003	12:40 PM	32	2 of 2	5.1	0.6	<0.5	0.0	2.9	0.1	0.05	0.01
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	322	1	<0.4	0.2	5.2	0.0	0.28	0.01
10/29/2001	2:45 PM	50	2 of 2	318	1	<0.4	0.4	5.5	0.2	0.32	0.00
02/13/2002	8:30 AM	120	1 of 2	20	0	0.4	0.3	3.4	0.1	0.12	0.01
02/13/2002	8:30 AM	120	2 of 2	19	2	<0.3	0.2	3.4	0.2	0.12	0.01
04/22/2002	12:20 PM	120	1 of 2	19	3	<0.4	0.1	4.2	0.1	0.11	0.02
04/22/2002	12:20 PM	120	2 of 2	20	2	0.4	0.4	3.9	0.1	0.11	0.01
08/07/2002	12:10 PM	10	1 of 2	15	1	0.6	0.3	4.3	0.4	0.031	0.005
08/07/2002	12:10 PM	10	2 of 2	16	1	<0.4	0.1	4.3	0.2	0.034	0.010
08/07/2002	12:40 PM	47	1 of 2	75	7	<0.4	0.1	3.8	0.4	0.063	0.005
08/07/2002	12:40 PM	47	2 of 2	77	4	<0.4	0.3	3.8	0.1	0.048	0.001
08/08/2002	2:50 PM	80	1 of 2	44	3	<0.4	0.3	3.9	0.3	0.069	0.012
08/08/2002	2:50 PM	80	2 of 2	44	0	<0.4	0.2	3.8	0.2	0.066	0.005
11/05/2002	2:30 PM	10	1 of 2	224	13	0.4	0.3	5.7	0.1	0.19	0.00
11/05/2002	2:30 PM	10	2 of 2	224	25	0.8	0.2	5.9	0.3	0.18	0.01
11/05/2002	2:10 PM	30	1 of 2	290	28	0.5	0.2	6.2	0.1	0.39	0.04
11/05/2002	2:10 PM	30	2 of 2	284	2	<0.3	0.1	6.1	0.5	0.41	0.02
01/29/2003	2:00 PM	10	1 of 2	6.0	0.6	0.4	0.4	4.0	0.1	0.096	0.007
01/29/2003	2:00 PM	10	2 of 2	5.6	0.5	<0.4	0.1	3.7	0.0	0.096	0.027
01/28/2003	3:30 PM	120	1 of 2	24	3	0.5	0.4	3.5	0.1	0.12	0.01
01/28/2003	3:30 PM	120	2 of 2	23	2	0.5	0.1	3.4	0.1	0.14	0.01
04/17/2003	10:30 AM	125	1 of 2	45	2	<0.5	0.2	3.1	0.1	0.08	0.02
04/17/2003	10:30 AM	125	2 of 2	43	0	<0.5	0.1	3.1	0.2	0.09	0.01
08/07/2003	11:30 AM	1	1 of 2	11	1	0.5	0.6	4.2	0.2	0.028	0.011
08/07/2003	11:30 AM	1	2 of 2	11	0	<0.4	0.2	4.2	0.1	0.046	0.026
08/07/2003	11:50 AM	100	1 of 2	409	43	<0.4	0.3	3.8	0.3	0.064	0.004
08/07/2003	11:50 AM	100	2 of 2	423	46	<0.4	0.0	3.9	0.4	0.065	0.006

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01055)		Molybdenum (Mo) µg/L (01062)		Sodium (Na) mg/L (00923)		Neodymium (Nd) µg/L (01237)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	103	1	<0.4	0.2	5.3	0.1	0.17	0.01
10/31/2001	10:15 AM	12	2 of 2	100	0	<0.4	0.3	5.3	0.1	0.16	0.01
02/13/2002	9:00 AM	80	1 of 2	21	0	1.4	0.2	3.4	0.2	0.14	0.01
02/13/2002	9:00 AM	80	2 of 2	24	1	0.7	0.5	3.4	0.1	0.13	0.00
04/22/2002	10:40 AM	80	1 of 2	24	2	0.4	0.4	4.1	0.2	0.11	0.00
04/22/2002	10:40 AM	80	2 of 2	24	2	0.6	0.2	3.9	0.1	0.11	0.01
08/06/2002	5:50 PM	10	1 of 2	19	1	0.5	0.2	4.3	0.2	0.039	0.006
08/06/2002	5:50 PM	10	2 of 2	18	1	0.5	0.4	4.2	0.2	0.033	0.005
08/06/2002	6:20 PM	55	1 of 2	341	24	1.0	0.6	4.0	0.3	0.075	0.002
08/06/2002	6:20 PM	55	2 of 2	341	18	0.5	0.6	4.1	0.2	0.078	0.006
11/05/2002	4:10 PM	7	1 of 2	133	10	0.3	0.0	6.1	0.3	0.20	0.03
11/05/2002	4:10 PM	7	2 of 2	131	6	0.6	0.3	5.9	0.2	0.19	0.00
01/29/2003	1:20 PM	10	1 of 2	7.0	1.0	<0.4	0.0	3.5	0.2	0.11	0.01
01/29/2003	1:20 PM	10	2 of 2	7.3	1.3	<0.4	0.1	3.5	0.2	0.12	0.00
01/28/2003	2:50 PM	85	1 of 2	21	1	<0.4	0.2	3.4	0.3	0.10	0.00
01/28/2003	2:50 PM	85	2 of 2	23	3	<0.4	0.0	3.5	0.2	0.12	0.01
04/17/2003	11:30 AM	90	1 of 2	29	2	<0.5	0.3	3.0	0.3	0.13	0.02
04/17/2003	11:30 AM	90	2 of 2	29	3	<0.5	0.2	3.0	0.3	0.14	0.01
08/07/2003	10:00 AM	1	1 of 2	15	2	<0.4	0.2	4.3	0.6	0.037	0.004
08/07/2003	10:00 AM	1	2 of 2	15	1	<0.4	0.2	4.3	0.4	0.039	0.007
08/06/2003	3:00 PM	100	1 of 2	846	113	1.4	1.4	4.1	0.3	0.78	0.00
08/06/2003	3:00 PM	100	2 of 2	847	86	0.8	0.9	4.2	0.0	0.77	0.06
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	89	1	<0.4	0.5	5.5	0.3	0.073	0.003
10/31/2001	1:00 PM	4	2 of 2	90	1	0.8	0.9	5.3	0.1	0.081	0.013
02/13/2002	1:00 PM	20	1 of 2	9.3	1.6	<0.3	0.1	3.6	0.1	0.09	0.01
02/13/2002	1:00 PM	20	2 of 2	9.7	0.5	0.4	0.2	3.6	0.1	0.09	0.01
04/23/2002	12:10 PM	20	1 of 2	6.0	0.2	0.5	0.5	4.1	0.3	0.050	0.003
04/23/2002	12:10 PM	20	2 of 2	6.3	0.3	0.9	0.7	4.2	0.4	0.053	0.008
08/07/2002	6:50 PM	57	1 of 2	186	19	<0.4	0.1	4.2	0.2	0.081	0.001
08/07/2002	6:50 PM	57	2 of 2	187	2	0.6	0.3	4.2	0.2	0.089	0.002
01/30/2003	3:30 PM	55	1 of 2	12	2	<0.4	0.0	3.6	0.1	0.13	0.01
01/30/2003	3:30 PM	55	2 of 2	12	1	0.5	0.3	3.7	0.1	0.13	0.01
04/17/2003	2:30 PM	55	1 of 2	30	2	<0.5	0.2	3.4	0.2	0.14	0.01
04/17/2003	2:30 PM	55	2 of 2	30	2	0.5	0.6	3.4	0.1	0.15	0.02
08/07/2003	4:00 PM	1	1 of 2	23	2	<0.4	0.1	4.1	0.3	0.048	0.004
08/07/2003	4:00 PM	1	2 of 2	24	2	<0.4	0.3	4.2	0.3	0.044	0.003

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01055)		Molybdenum (Mo) µg/L (01062)		Sodium (Na) mg/L (00923)		Neodymium (Nd) µg/L (01237)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	19	2	<0.4	0.0	4.1	0.2	0.041	0.013
08/07/2002	3:40 PM	10	2 of 2	19	1	<0.4	0.1	4.1	0.4	0.037	0.014
04/17/2003	1:20 PM	80	1 of 2	15	1	<0.5	0.4	3.2	0.2	0.09	0.02
04/17/2003	1:20 PM	80	2 of 2	14	1	<0.5	0.1	3.1	0.2	0.08	0.02
08/07/2003	1:00 PM	1	1 of 2	15	2	<0.4	0.3	4.1	0.3	0.053	0.004
08/07/2003	1:00 PM	1	2 of 2	15	2	<0.4	0.1	4.2	0.1	0.035	0.004
08/07/2003	1:30 PM	40	1 of 2	81	4	<0.4	0.1	4.1	0.4	0.082	0.007
08/07/2003	1:30 PM	40	2 of 2	80	4	<0.4	0.1	3.9	0.2	0.063	0.004
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	3,990	27	<0.4	0.1	6.6	0.0	16	2
10/31/2001	2:15 PM	1	2 of 2	4,090	33	<0.4	0.2	6.8	0.4	16	1
02/13/2002	3:10 PM	10	1 of 2	10	1	0.6	0.2	3.6	0.1	0.10	0.01
02/13/2002	3:10 PM	10	2 of 2	11	0	0.4	0.2	3.6	0.1	0.09	0.01
02/13/2002	3:30 PM	35	1of 1	45	2	<0.3	0.2	3.5	0.1	0.15	0.01
04/24/2002	11:10 AM	30	1 of 2	22	0	0.4	0.4	4.1	0.2	0.081	0.005
04/24/2002	11:10 AM	30	2 of 2	19	0	<0.4	0.0	3.9	0.2	0.10	0.01
08/07/2002	5:00 PM	1	1 of 2	724	6	<0.4	0.0	4.8	0.5	1.6	0.0
08/07/2002	5:00 PM	1	2 of 2	698	51	<0.4	0.3	4.6	0.3	1.6	0.0
11/05/2002	2:50 PM	0	1 of 2	2,260	132	<0.3	0.1	6.9	0.0	9.6	0.2
11/05/2002	2:50 PM	0	2 of 2	2,240	162	<0.3	0.2	7.1	0.1	9.5	0.2
01/30/2003	12:30 PM	10	1 of 2	5.7	0.7	<0.4	0.1	3.9	0.2	0.079	0.006
01/30/2003	12:30 PM	10	2 of 2	4.9	0.3	0.4	0.4	3.8	0.2	0.086	0.001
01/30/2003	1:20 PM	38	1 of 2	331	19	<0.4	0.3	4.4	0.0	1.4	0.0
01/30/2003	1:20 PM	38	2 of 2	324	18	0.8	0.5	5.9	0.4	1.3	0.0
04/17/2003	4:00 PM	40	1 of 2	452	5	0.7	0.1	3.2	0.3	2.0	0.0
04/17/2003	4:00 PM	40	2 of 2	443	26	<0.5	0.4	3.1	0.2	2.2	0.2
08/07/2003	4:30 PM	1	1 of 2	200	22	0.5	0.6	3.8	0.0	0.076	0.008
08/07/2003	4:30 PM	1	2 of 2	206	21	0.5	0.7	4.3	0.3	0.089	0.016
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	5,860	100	<0.7	0.4	11	0	6.0	0.2
02/13/2002	2:20 PM	52	1 of 2	51	0	<0.3	0.1	3.5	0.1	0.17	0.01
02/13/2002	2:20 PM	52	2 of 2	49	3	<0.3	0.2	3.6	0.1	0.17	0.01
04/23/2002	1:10 PM	20	1 of 2	5.8	1.1	0.6	0.4	4.0	0.1	0.052	0.004
04/23/2002	1:10 PM	20	2 of 2	5.8	0.8	<0.4	0.1	4.0	0.2	0.049	0.007
11/05/2002	2:00 PM	1	1 of 2	17,900	1,662	0.6	0.4	15	1	26	1
11/05/2002	2:00 PM	1	2 of 2	17,500	1,308	0.3	0.3	15	0	26	2

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01067)		Lead (Pb) µg/L (01051)		Praseodymium (Pr) µg/L (010238)		Rubidium (Rb) µg/L (01137)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	1.8	0.1	0.14	0.02	0.014	0.004	1.1	0.1
10/30/2001	5:15 PM	10	2 of 2	1.7	0.1	0.15	0.04	0.018	0.005	1.1	0.1
02/12/2002	12:00 PM	8	1 of 2	1.4	0.0	<0.4	0.2	0.015	0.002	0.63	0.03
02/12/2002	12:00 PM	8	2 of 2	2.3	0.2	<0.4	0.2	0.016	0.007	0.58	0.00
04/22/2002	3:20 PM	10	1 of 2	1.4	0.0	0.44	0.12	0.010	0.001	0.69	0.00
04/22/2002	3:20 PM	10	2 of 2	1.3	0.0	0.14	0.06	0.008	0.001	0.61	0.01
08/06/2002	4:30 PM	10	1 of 2	0.92	0.08	0.15	0.05	0.006	0.000	0.61	0.04
08/06/2002	4:30 PM	10	2 of 2	0.89	0.07	0.12	0.01	0.006	0.000	0.60	0.04
04/15/2003	10:30 AM	40	1 of 2	4.2	0.1	0.88	0.21	0.092	0.004	1.9	0.0
04/15/2003	10:30 AM	40	2 of 2	3.6	0.3	0.44	0.03	0.065	0.011	1.3	0.1
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	2.8	0.2	0.54	0.03	0.066	0.006	1.48	0.13
11/01/2001	8:30 AM	70	2 of 2	2.7	0.3	0.49	0.04	0.060	0.008	1.43	0.10
02/12/2002	11:00 AM	140	1 of 2	3.3	0.1	<0.4	0.3	0.21	0.00	0.68	0.03
02/12/2002	11:00 AM	140	2 of 2	3.2	0.1	<0.4	0.1	0.027	0.003	0.70	0.04
04/22/2002	3:00 PM	140	1 of 2	1.7	0.1	0.19	0.11	0.023	0.000	0.73	0.02
04/22/2002	3:00 PM	140	2 of 2	1.6	0.1	0.38	0.10	0.023	0.002	0.74	0.03
08/08/2002	12:00 PM	45	1 of 2	0.85	0.03	0.13	0.08	0.008	0.003	0.85	0.03
08/08/2002	12:00 PM	45	2 of 2	0.95	0.16	0.15	0.09	0.011	0.001	0.72	0.05
08/08/2002	1:30 PM	113	1 of 2	0.86	0.09	0.09	0.03	0.011	0.003	0.70	0.05
08/08/2002	1:30 PM	113	2 of 2	1.0	0.1	0.12	0.07	0.009	0.001	0.87	0.05
11/04/2002	3:50 PM	10	1 of 2	2.7	0.1	0.44	0.03	0.069	0.001	1.4	0.1
11/04/2002	3:50 PM	10	2 of 2	2.8	0.1	0.47	0.03	0.074	0.001	1.3	0.1
11/04/2002	3:20 PM	55	1 of 2	2.2	0.1	0.38	0.03	0.049	0.004	1.1	0.1
11/04/2002	3:20 PM	55	2 of 2	2.5	0.2	0.36	0.00	0.051	0.002	1.1	0.1
01/29/2003	2:30 PM	10	1 of 2	1.6	0.1	0.08	0.02	0.017	0.002	0.70	0.02
01/29/2003	2:30 PM	10	2 of 2	1.7	0.1	0.11	0.02	0.018	0.002	0.71	0.03
01/28/2003	4:40 PM	140	1 of 2	1.6	0.1	0.16	0.02	0.030	0.005	0.83	0.04
01/28/2003	4:40 PM	140	2 of 2	1.6	0.0	0.11	0.01	0.034	0.003	0.82	0.02
04/16/2003	4:00 PM	150	1 of 2	1.4	0.2	0.20	0.10	0.016	0.003	0.72	0.04
04/16/2003	4:00 PM	150	2 of 2	1.3	0.2	0.08	0.03	0.018	0.002	0.73	0.05
08/05/2003	12:30 PM	1	1 of 2	<0.8	0.2	<0.2	0.0	0.006	0.001	0.63	0.04
08/05/2003	12:30 PM	1	2 of 2	<0.8	0.3	<0.2	0.1	0.006	0.002	0.62	0.01
08/05/2003	3:30 PM	73	1 of 2	1.4	0.1	<0.2	0.1	0.015	0.001	0.80	0.03
08/05/2003	3:30 PM	73	2 of 2	1.5	0.1	<0.2	0.2	0.014	0.002	0.75	0.04
08/05/2003	1:00 PM	120	1 of 2	1.3	0.1	<0.2	0.0	0.011	0.003	0.84	0.00
08/05/2003	1:00 PM	120	2 of 2	1.1	0.1	<0.2	0.0	0.011	0.000	0.79	0.08

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01067)		Lead (Pb) µg/L (01051)		Praseodymium (Pr) µg/L (010238)		Rubidium (Rb) µg/L (01137)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	1.2	0.2	0.10	0.01	0.004	0.001	1.0	0.0
10/29/2001	4:15 PM	6	2 of 2	1.1	0.1	0.13	0.03	0.006	0.002	1.0	0.1
02/12/2002	1:30 PM	60	1 of 2	1.8	0.0	<0.4	0.2	0.012	0.005	0.63	0.06
02/12/2002	1:30 PM	60	2 of 2	1.7	0.1	<0.4	0.1	0.013	0.006	0.59	0.00
04/22/2002	1:50 PM	10	1 of 2	1.3	0.2	0.11	0.02	0.011	0.001	0.65	0.04
04/22/2002	1:50 PM	10	2 of 2	1.3	0.0	0.09	0.04	0.009	0.002	0.68	0.02
04/15/2003	12:40 PM	32	1 of 2	1.3	0.1	0.08	0.05	0.012	0.003	0.67	0.06
04/15/2003	12:40 PM	32	2 of 2	1.2	0.0	0.03	0.02	0.010	0.001	0.67	0.05
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	2.4	0.0	0.59	0.00	0.062	0.005	1.4	0.1
10/29/2001	2:45 PM	50	2 of 2	2.8	0.2	0.81	0.03	0.066	0.001	1.5	0.0
02/13/2002	8:30 AM	120	1 of 2	1.9	0.0	<0.4	0.1	0.020	0.005	0.72	0.03
02/13/2002	8:30 AM	120	2 of 2	2.4	0.1	<0.4	0.1	0.022	0.006	0.70	0.03
04/22/2002	12:20 PM	120	1 of 2	1.8	0.1	0.18	0.08	0.023	0.003	0.75	0.02
04/22/2002	12:20 PM	120	2 of 2	1.7	0.0	0.31	0.04	0.023	0.001	0.69	0.04
08/07/2002	12:10 PM	10	1 of 2	0.90	0.09	0.24	0.10	0.007	0.001	0.63	0.05
08/07/2002	12:10 PM	10	2 of 2	1.2	0.0	0.18	0.03	0.009	0.001	0.63	0.01
08/07/2002	12:40 PM	47	1 of 2	1.6	0.2	0.22	0.03	0.014	0.002	0.79	0.03
08/07/2002	12:40 PM	47	2 of 2	1.6	0.1	0.15	0.02	0.012	0.003	0.81	0.06
08/08/2002	2:50 PM	80	1 of 2	1.4	0.1	0.20	0.04	0.017	0.003	0.94	0.08
08/08/2002	2:50 PM	80	2 of 2	1.6	0.4	0.11	0.00	0.014	0.000	0.90	0.07
11/05/2002	2:30 PM	10	1 of 2	2.0	0.1	0.41	0.08	0.044	0.003	1.0	0.0
11/05/2002	2:30 PM	10	2 of 2	2.0	0.0	0.39	0.05	0.040	0.002	1.1	0.0
11/05/2002	2:10 PM	30	1 of 2	3.2	0.2	0.76	0.07	0.094	0.001	1.3	0.1
11/05/2002	2:10 PM	30	2 of 2	3.2	0.3	0.70	0.04	0.089	0.008	1.3	0.1
01/29/2003	2:00 PM	10	1 of 2	2.2	0.2	0.20	0.03	0.020	0.001	0.78	0.01
01/29/2003	2:00 PM	10	2 of 2	1.7	0.1	0.12	0.04	0.023	0.001	0.76	0.04
01/28/2003	3:30 PM	120	1 of 2	1.6	0.1	0.45	0.00	0.027	0.002	0.82	0.05
01/28/2003	3:30 PM	120	2 of 2	1.7	0.0	0.13	0.01	0.026	0.003	0.82	0.02
04/17/2003	10:30 AM	125	1 of 2	1.5	0.0	0.12	0.01	0.018	0.003	0.79	0.08
04/17/2003	10:30 AM	125	2 of 2	1.4	0.1	0.12	0.03	0.021	0.001	0.77	0.07
08/07/2003	11:30 AM	1	1 of 2	<0.8	0.3	<0.2	0.1	0.008	0.002	0.71	0.07
08/07/2003	11:30 AM	1	2 of 2	<0.8	0.1	<0.2	0.1	0.007	0.001	0.71	0.05
08/07/2003	11:50 AM	100	1 of 2	2.0	0.2	<0.2	0.0	0.016	0.002	0.98	0.01
08/07/2003	11:50 AM	100	2 of 2	2.1	0.1	<0.2	0.1	0.016	0.005	1.0	0.1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01067)		Lead (Pb) µg/L (01051)		Praseodymium (Pr) µg/L (010238)		Rubidium (Rb) µg/L (01137)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.92	0.08	0.46	0.02	0.033	0.003	1.2	0.1
10/31/2001	10:15 AM	12	2 of 2	0.85	0.06	0.44	0.04	0.033	0.004	1.1	0.2
02/13/2002	9:00 AM	80	1 of 2	1.4	0.1	<0.4	0.2	0.028	0.003	0.73	0.02
02/13/2002	9:00 AM	80	2 of 2	1.5	0.1	<0.4	0.2	0.022	0.002	0.73	0.00
04/22/2002	10:40 AM	80	1 of 2	2.2	0.0	0.28	0.11	0.026	0.001	0.75	0.04
04/22/2002	10:40 AM	80	2 of 2	2.1	0.1	0.38	0.06	0.031	0.004	0.73	0.04
08/06/2002	5:50 PM	10	1 of 2	0.65	0.06	0.18	0.06	0.008	0.002	0.60	0.04
08/06/2002	5:50 PM	10	2 of 2	0.69	0.05	0.11	0.04	0.008	0.000	0.63	0.03
08/06/2002	6:20 PM	55	1 of 2	1.8	0.0	0.27	0.05	0.018	0.002	0.81	0.03
08/06/2002	6:20 PM	55	2 of 2	1.8	0.2	0.22	0.07	0.018	0.003	0.81	0.05
11/05/2002	4:10 PM	7	1 of 2	3.9	0.2	0.47	0.06	0.044	0.007	1.2	0.0
11/05/2002	4:10 PM	7	2 of 2	2.5	0.1	0.49	0.02	0.043	0.002	1.2	0.0
01/29/2003	1:20 PM	10	1 of 2	1.3	0.1	0.08	0.01	0.027	0.003	0.85	0.04
01/29/2003	1:20 PM	10	2 of 2	1.3	0.1	0.11	0.02	0.022	0.002	0.84	0.03
01/28/2003	2:50 PM	85	1 of 2	1.6	0.1	0.14	0.02	0.027	0.004	0.81	0.06
01/28/2003	2:50 PM	85	2 of 2	1.7	0.1	0.16	0.02	0.026	0.001	0.82	0.02
04/17/2003	11:30 AM	90	1 of 2	1.9	0.1	0.37	0.18	0.029	0.004	0.77	0.06
04/17/2003	11:30 AM	90	2 of 2	2.0	0.0	0.29	0.06	0.030	0.004	0.76	0.06
08/07/2003	10:00 AM	1	1 of 2	1.0	0.6	0.4	0.1	0.007	0.001	0.74	0.05
08/07/2003	10:00 AM	1	2 of 2	1.5	0.3	<0.2	0.0	0.009	0.001	0.77	0.05
08/06/2003	3:00 PM	100	1 of 2	7.1	0.2	2.4	0.2	0.18	0.00	1.6	0.0
08/06/2003	3:00 PM	100	2 of 2	6.1	0.2	2.2	0.3	0.18	0.02	1.5	0.1
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	1.5	0.1	0.42	0.03	0.009	0.002	1.0	0.0
10/31/2001	1:00 PM	4	2 of 2	1.3	0.1	0.21	0.05	0.008	0.001	1.0	0.1
02/13/2002	1:00 PM	20	1 of 2	1.5	0.0	<0.4	0.2	0.017	0.006	0.74	0.09
02/13/2002	1:00 PM	20	2 of 2	1.9	0.1	<0.4	0.2	0.012	0.000	0.66	0.01
04/23/2002	12:10 PM	20	1 of 2	1.3	0.0	0.16	0.03	0.010	0.002	0.66	0.03
04/23/2002	12:10 PM	20	2 of 2	1.4	0.1	0.25	0.07	0.010	0.002	0.67	0.03
08/07/2002	6:50 PM	57	1 of 2	1.7	0.0	0.32	0.14	0.021	0.001	0.86	0.10
08/07/2002	6:50 PM	57	2 of 2	1.7	0.0	0.26	0.03	0.019	0.001	0.86	0.03
01/30/2003	3:30 PM	55	1 of 2	1.6	0.1	0.16	0.05	0.027	0.001	0.82	0.01
01/30/2003	3:30 PM	55	2 of 2	1.7	0.0	0.18	0.00	0.028	0.003	0.78	0.05
04/17/2003	2:30 PM	55	1 of 2	1.8	0.1	0.28	0.08	0.031	0.000	0.77	0.05
04/17/2003	2:30 PM	55	2 of 2	2.1	0.1	0.35	0.06	0.032	0.001	0.83	0.01
08/07/2003	4:00 PM	1	1 of 2	<0.8	0.1	0.3	0.0	0.013	0.001	0.71	0.03
08/07/2003	4:00 PM	1	2 of 2	<0.8	0.1	0.2	0.0	0.012	0.002	0.67	0.05

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01067)		Lead (Pb) µg/L (01051)		Praseodymium (Pr) µg/L (010238)		Rubidium (Rb) µg/L (01137)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.71	0.05	0.08	0.03	0.009	0.000	0.61	0.04
08/07/2002	3:40 PM	10	2 of 2	0.77	0.08	0.19	0.05	0.009	0.001	0.61	0.06
04/17/2003	1:20 PM	80	1 of 2	1.3	0.0	0.12	0.01	0.019	0.002	0.76	0.07
04/17/2003	1:20 PM	80	2 of 2	1.4	0.0	0.14	0.02	0.018	0.004	0.76	0.08
08/07/2003	1:00 PM	1	1 of 2	<0.8	0.1	<0.2	0.1	0.013	0.003	0.65	0.04
08/07/2003	1:00 PM	1	2 of 2	1.0	0.1	<0.2	0.0	0.008	0.001	0.76	0.04
08/07/2003	1:30 PM	40	1 of 2	1.8	0.9	0.2	0.1	0.018	0.002	1.1	0.3
08/07/2003	1:30 PM	40	2 of 2	1.1	0.2	<0.2	0.1	0.018	0.001	0.90	0.07
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	95	10	49	1	3.2	0.3	11	1
10/31/2001	2:15 PM	1	2 of 2	94	6	47	4	3.3	0.3	11	1
02/13/2002	3:10 PM	10	1 of 2	1.7	0.0	<0.4	0.2	0.010	0.005	0.62	0.03
02/13/2002	3:10 PM	10	2 of 2	1.8	0.1	<0.4	0.2	0.018	0.005	0.65	0.06
02/13/2002	3:30 PM	35	1of 1	2.4	0.1	<0.4	0.2	0.035	0.005	0.66	0.02
04/24/2002	11:10 AM	30	1 of 2	1.8	0.0	0.20	0.07	0.019	0.002	0.73	0.01
04/24/2002	11:10 AM	30	2 of 2	1.9	0.1	0.27	0.06	0.020	0.001	0.73	0.03
08/07/2002	5:00 PM	1	1 of 2	18	2	3.4	0.5	0.33	0.04	2.1	0.2
08/07/2002	5:00 PM	1	2 of 2	19	0	3.3	0.0	0.34	0.00	2.1	0.1
11/05/2002	2:50 PM	0	1 of 2	61	1	35	2	2.1	0.0	7.3	0.1
11/05/2002	2:50 PM	0	2 of 2	64	1	36	1	2.0	0.0	7.8	0.1
01/30/2003	12:30 PM	10	1 of 2	1.7	0.1	0.17	0.02	0.018	0.002	0.80	0.06
01/30/2003	12:30 PM	10	2 of 2	2.0	0.1	0.14	0.07	0.018	0.002	0.73	0.03
01/30/2003	1:20 PM	38	1 of 2	13	0	0.86	0.00	0.28	0.00	1.3	0.1
01/30/2003	1:20 PM	38	2 of 2	13	0	1.1	0.1	0.29	0.01	1.9	0.4
04/17/2003	4:00 PM	40	1 of 2	14	0	2.2	0.0	0.46	0.01	1.6	0.0
04/17/2003	4:00 PM	40	2 of 2	13	1	1.9	0.0	0.48	0.04	1.6	0.1
08/07/2003	4:30 PM	1	1 of 2	5.3	0.7	0.4	0.0	0.016	0.001	1.1	0.1
08/07/2003	4:30 PM	1	2 of 2	5.3	0.3	0.5	0.1	0.021	0.000	1.3	0.1
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	74	6	0.34	0.04	1.20	0.12	2.4	0.2
02/13/2002	2:20 PM	52	1 of 2	1.9	0.0	<0.4	0.0	0.030	0.003	0.63	0.01
02/13/2002	2:20 PM	52	2 of 2	2.3	0.1	<0.4	0.2	0.032	0.005	0.68	0.01
04/23/2002	1:10 PM	20	1 of 2	1.3	0.1	0.18	0.02	0.009	0.001	0.64	0.03
04/23/2002	1:10 PM	20	2 of 2	1.5	0.0	0.30	0.07	0.010	0.001	0.65	0.02
11/05/2002	2:00 PM	1	1 of 2	281	15	15	1	5.4	0.3	4.7	0.0
11/05/2002	2:00 PM	1	2 of 2	287	2	14	1	5.3	0.5	4.7	0.1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (01242)		Sulfur (S) mg/L (80107)		Antimony (Sb) µg/L (01097)		Selenium (Se) µg/L (01147)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	<0.002	0.002	3.5	0.2	0.14	0.13	<0.5	0.3
10/30/2001	5:15 PM	10	2 of 2	<0.002	0.001	3.7	0.2	0.18	0.11	<0.5	0.4
02/12/2002	12:00 PM	8	1 of 2	<0.002	0.001	2.9	0.3	0.12	0.03	<1	1
02/12/2002	12:00 PM	8	2 of 2	<0.002	0.000	2.4	0.0	0.15	0.03	<1	1
04/22/2002	3:20 PM	10	1 of 2	0.002	0.001	2.1	0.0	0.12	0.02	<1	0
04/22/2002	3:20 PM	10	2 of 2	<0.001	0.001	2.2	0.2	0.09	0.02	<1	0
08/06/2002	4:30 PM	10	1 of 2	<0.002	0.000	2.0	0.1	0.15	0.12	<2	1
08/06/2002	4:30 PM	10	2 of 2	<0.002	0.001	2.1	0.0	0.09	0.02	<2	1
04/15/2003	10:30 AM	40	1 of 2	<0.002	0.001	2.0	0.2	0.16	0.11	<0.5	0.9
04/15/2003	10:30 AM	40	2 of 2	<0.002	0.001	1.9	0.2	<0.07	0.01	<0.5	0.7
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	<0.004	0.002	2.6	0.1	0.08	0.07	<0.9	0.4
11/01/2001	8:30 AM	70	2 of 2	<0.004	0.002	2.6	0.1	0.09	0.05	<0.9	0.3
02/12/2002	11:00 AM	140	1 of 2	<0.002	0.001	2.8	0.2	0.13	0.00	<1	0
02/12/2002	11:00 AM	140	2 of 2	<0.002	0.001	2.5	0.1	0.15	0.05	<1	0
04/22/2002	3:00 PM	140	1 of 2	0.002	0.001	2.3	0.1	0.11	0.06	<1	0
04/22/2002	3:00 PM	140	2 of 2	0.002	0.000	2.3	0.1	0.12	0.05	<1	0
08/08/2002	12:00 PM	45	1 of 2	<0.002	0.001	1.9	0.3	0.10	0.04	<2	1
08/08/2002	12:00 PM	45	2 of 2	<0.002	0.000	1.8	0.2	0.06	0.01	<2	0
08/08/2002	1:30 PM	113	1 of 2	<0.002	0.001	1.7	0.1	0.11	0.01	<2	1
08/08/2002	1:30 PM	113	2 of 2	<0.002	0.000	1.9	0.2	0.07	0.02	<2	1
11/04/2002	3:50 PM	10	1 of 2	<0.002	0.002	2.7	0.0	0.13	0.03	<1	1
11/04/2002	3:50 PM	10	2 of 2	0.002	0.002	2.7	0.2	0.13	0.03	<1	1
11/04/2002	3:20 PM	55	1 of 2	<0.002	0.001	2.9	0.1	0.15	0.01	<1	0
11/04/2002	3:20 PM	55	2 of 2	<0.002	0.001	3.0	0.1	0.15	0.04	<1	1
01/29/2003	2:30 PM	10	1 of 2	<0.002	0.001	2.8	0.0	0.08	0.00	<0.9	0.3
01/29/2003	2:30 PM	10	2 of 2	<0.002	0.001	2.5	0.3	0.07	0.01	<0.9	0.8
01/28/2003	4:40 PM	140	1 of 2	<0.002	0.001	1.6	0.2	0.06	0.03	<0.9	0.7
01/28/2003	4:40 PM	140	2 of 2	<0.002	0.001	1.9	0.2	0.07	0.02	<0.9	0.6
04/16/2003	4:00 PM	150	1 of 2	<0.002	0.001	1.9	0.2	0.15	0.08	<0.5	0.3
04/16/2003	4:00 PM	150	2 of 2	<0.002	0.002	1.9	0.2	0.09	0.05	<0.5	0.4
08/05/2003	12:30 PM	1	1 of 2	<0.003	0.003	1.7	0.1	0.06	0.03	<2	1
08/05/2003	12:30 PM	1	2 of 2	<0.003	0.001	1.7	0.3	0.05	0.01	<2	0
08/05/2003	3:30 PM	73	1 of 2	<0.003	0.000	1.8	0.3	0.07	0.02	<2	2
08/05/2003	3:30 PM	73	2 of 2	<0.003	0.000	1.9	0.1	0.06	0.01	<2	0
08/05/2003	1:00 PM	120	1 of 2	<0.003	0.002	1.8	0.2	0.06	0.03	<2	0
08/05/2003	1:00 PM	120	2 of 2	<0.003	0.001	1.7	0.2	<0.02	0.00	<2	0

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (01242)		Sulfur (S) mg/L (80107)		Antimony (Sb) µg/L (01097)		Selenium (Se) µg/L (01147)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	<0.002	0.001	3.4	0.0	0.09	0.07	<0.5	0.3
10/29/2001	4:15 PM	6	2 of 2	<0.002	0.001	3.6	0.1	0.12	0.05	<0.5	0.0
02/12/2002	1:30 PM	60	1 of 2	0.002	0.001	2.7	0.2	0.12	0.01	<1	1
02/12/2002	1:30 PM	60	2 of 2	0.004	0.001	2.9	0.2	0.12	0.04	<1	1
04/22/2002	1:50 PM	10	1 of 2	0.002	0.001	2.0	0.0	0.09	0.02	<1	0
04/22/2002	1:50 PM	10	2 of 2	<0.001	0.001	2.2	0.1	0.11	0.04	<1	0
04/15/2003	12:40 PM	32	1 of 2	<0.002	0.001	2.2	0.2	0.13	0.09	<0.5	0.6
04/15/2003	12:40 PM	32	2 of 2	<0.002	0.001	2.0	0.0	0.11	0.04	<0.5	0.3
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	<0.002	0.000	3.2	0.1	0.19	0.11	<0.5	0.4
10/29/2001	2:45 PM	50	2 of 2	<0.002	0.002	3.1	0.1	0.21	0.11	<0.5	0.3
02/13/2002	8:30 AM	120	1 of 2	<0.002	0.000	2.4	0.3	0.12	0.02	<1	0
02/13/2002	8:30 AM	120	2 of 2	0.003	0.002	2.5	0.2	0.12	0.01	<1	1
04/22/2002	12:20 PM	120	1 of 2	0.002	0.002	2.3	0.1	0.10	0.02	<1	0
04/22/2002	12:20 PM	120	2 of 2	<0.001	0.001	2.2	0.1	0.09	0.02	<1	0
08/07/2002	12:10 PM	10	1 of 2	<0.002	0.001	2.0	0.1	0.09	0.01	<2	1
08/07/2002	12:10 PM	10	2 of 2	<0.002	0.001	1.9	0.1	0.08	0.02	<2	0
08/07/2002	12:40 PM	47	1 of 2	<0.002	0.002	1.6	0.1	0.09	0.03	<2	1
08/07/2002	12:40 PM	47	2 of 2	<0.002	0.000	1.7	0.2	0.06	0.02	<2	1
08/08/2002	2:50 PM	80	1 of 2	<0.002	0.001	1.9	0.2	0.07	0.02	<2	2
08/08/2002	2:50 PM	80	2 of 2	<0.002	0.001	1.8	0.3	0.06	0.01	<2	1
11/05/2002	2:30 PM	10	1 of 2	0.002	0.000	3.2	0.1	0.12	0.01	<1	0
11/05/2002	2:30 PM	10	2 of 2	<0.002	0.001	3.1	0.2	0.17	0.01	<1	0
11/05/2002	2:10 PM	30	1 of 2	<0.002	0.000	3.6	0.2	0.13	0.02	<1	0
11/05/2002	2:10 PM	30	2 of 2	<0.002	0.002	3.7	0.2	0.14	0.03	<1	1
01/29/2003	2:00 PM	10	1 of 2	<0.002	0.000	2.1	0.3	0.07	0.01	<0.9	0.6
01/29/2003	2:00 PM	10	2 of 2	<0.002	0.001	2.1	0.0	0.07	0.01	<0.9	0.7
01/28/2003	3:30 PM	120	1 of 2	<0.002	0.002	1.9	0.1	0.07	0.03	<0.9	0.7
01/28/2003	3:30 PM	120	2 of 2	<0.002	0.001	1.9	0.2	0.07	0.01	<0.9	0.4
04/17/2003	10:30 AM	125	1 of 2	<0.002	0.001	1.9	0.2	0.12	0.07	<0.5	0.5
04/17/2003	10:30 AM	125	2 of 2	<0.002	0.002	1.8	0.2	0.12	0.06	<0.5	0.4
08/07/2003	11:30 AM	1	1 of 2	0.005	0.000	1.7	0.1	0.10	0.06	<2	0
08/07/2003	11:30 AM	1	2 of 2	<0.003	0.001	1.7	0.1	0.06	0.03	<2	1
08/07/2003	11:50 AM	100	1 of 2	<0.003	0.001	1.7	0.2	0.05	0.02	<2	1
08/07/2003	11:50 AM	100	2 of 2	<0.003	0.001	1.7	0.2	0.06	0.02	<2	1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (01242)		Sulfur (S) mg/L (80107)		Antimony (Sb) µg/L (01097)		Selenium (Se) µg/L (01147)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	<0.002	0.000	3.5	0.0	0.14	0.15	<0.5	0.3
10/31/2001	10:15 AM	12	2 of 2	<0.002	0.001	3.3	0.1	0.21	0.01	<0.5	0.3
02/13/2002	9:00 AM	80	1 of 2	<0.002	0.002	2.1	0.0	0.10	0.00	<1	1
02/13/2002	9:00 AM	80	2 of 2	<0.002	0.000	2.3	0.1	0.14	0.04	<1	1
04/22/2002	10:40 AM	80	1 of 2	<0.001	0.001	2.1	0.2	0.10	0.01	<1	0
04/22/2002	10:40 AM	80	2 of 2	<0.001	0.001	2.1	0.3	0.07	0.01	<1	1
08/06/2002	5:50 PM	10	1 of 2	<0.002	0.000	2.0	0.2	0.08	0.01	<2	1
08/06/2002	5:50 PM	10	2 of 2	0.002	0.001	2.0	0.2	0.07	0.01	<2	0
08/06/2002	6:20 PM	55	1 of 2	<0.002	0.000	1.7	0.1	0.10	0.06	<2	1
08/06/2002	6:20 PM	55	2 of 2	<0.002	0.001	1.8	0.1	0.09	0.04	<2	1
11/05/2002	4:10 PM	7	1 of 2	0.002	0.001	3.3	0.3	0.16	0.05	<1	1
11/05/2002	4:10 PM	7	2 of 2	<0.002	0.001	3.3	0.2	0.13	0.02	<1	0
01/29/2003	1:20 PM	10	1 of 2	0.002	0.000	1.5	0.2	0.04	0.01	<0.9	0.9
01/29/2003	1:20 PM	10	2 of 2	<0.002	0.001	1.5	0.1	0.06	0.02	<0.9	0.5
01/28/2003	2:50 PM	85	1 of 2	<0.002	0.002	1.8	0.1	0.08	0.01	<0.9	0.6
01/28/2003	2:50 PM	85	2 of 2	<0.002	0.002	1.9	0.2	0.05	0.01	<0.9	0.7
04/17/2003	11:30 AM	90	1 of 2	<0.002	0.001	1.8	0.1	0.08	0.06	<0.5	0.8
04/17/2003	11:30 AM	90	2 of 2	<0.002	0.000	1.5	0.1	0.14	0.10	<0.5	0.5
08/07/2003	10:00 AM	1	1 of 2	<0.003	0.000	1.5	0.0	0.06	0.01	<2	0
08/07/2003	10:00 AM	1	2 of 2	<0.003	0.002	1.8	0.2	0.06	0.01	<2	1
08/06/2003	3:00 PM	100	1 of 2	<0.003	0.002	1.8	0.3	0.09	0.02	<2	1
08/06/2003	3:00 PM	100	2 of 2	<0.003	0.002	1.8	0.2	0.08	0.02	<2	1
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	<0.002	0.000	4.2	0.0	0.13	0.10	<0.5	0.5
10/31/2001	1:00 PM	4	2 of 2	<0.002	0.001	4.3	0.1	0.06	0.04	<0.5	0.6
02/13/2002	1:00 PM	20	1 of 2	<0.002	0.001	3.0	0.6	0.13	0.04	<1	0
02/13/2002	1:00 PM	20	2 of 2	<0.002	0.001	3.2	0.4	0.18	0.10	<1	0
04/23/2002	12:10 PM	20	1 of 2	<0.001	0.001	2.2	0.1	0.15	0.06	<1	0
04/23/2002	12:10 PM	20	2 of 2	0.002	0.002	2.3	0.3	0.10	0.04	<1	0
08/07/2002	6:50 PM	57	1 of 2	<0.002	0.001	1.9	0.3	0.07	0.03	<2	1
08/07/2002	6:50 PM	57	2 of 2	<0.002	0.001	1.9	0.1	0.07	0.04	<2	1
01/30/2003	3:30 PM	55	1 of 2	<0.002	0.001	2.1	0.3	0.08	0.01	<0.9	0.6
01/30/2003	3:30 PM	55	2 of 2	<0.002	0.002	2.0	0.1	0.07	0.01	<0.9	0.5
04/17/2003	2:30 PM	55	1 of 2	<0.002	0.002	2.1	0.1	0.17	0.12	<0.5	0.6
04/17/2003	2:30 PM	55	2 of 2	<0.002	0.000	2.5	0.0	0.19	0.15	<0.5	0.4
08/07/2003	4:00 PM	1	1 of 2	<0.003	0.002	2.4	0.2	0.07	0.03	<2	0
08/07/2003	4:00 PM	1	2 of 2	<0.003	0.001	2.7	0.2	0.09	0.06	<2	1

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (01242)		Sulfur (S) mg/L (80107)		Antimony (Sb) µg/L (01097)		Selenium (Se) µg/L (01147)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	<0.002	0.001	2.0	0.2	0.07	0.02	<2	1
08/07/2002	3:40 PM	10	2 of 2	0.003	0.000	1.8	0.2	0.07	0.02	<2	1
04/17/2003	1:20 PM	80	1 of 2	<0.002	0.001	1.9	0.2	0.11	0.04	<0.5	0.4
04/17/2003	1:20 PM	80	2 of 2	<0.002	0.002	1.8	0.0	0.12	0.04	<0.5	0.4
08/07/2003	1:00 PM	1	1 of 2	<0.003	0.001	1.8	0.2	0.06	0.01	<2	0
08/07/2003	1:00 PM	1	2 of 2	<0.003	0.002	1.6	0.1	0.05	0.01	<2	0
08/07/2003	1:30 PM	40	1 of 2	<0.003	0.002	1.8	0.1	0.07	0.01	<2	2
08/07/2003	1:30 PM	40	2 of 2	<0.003	0.001	1.6	0.3	0.05	0.01	<2	0
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.014	0.002	241	5	<0.06	0.14	1.9	0.5
10/31/2001	2:15 PM	1	2 of 2	0.014	0.001	244	0	<0.06	0.06	1.6	0.1
02/13/2002	3:10 PM	10	1 of 2	<0.002	0.001	2.9	0.2	0.14	0.02	<1	1
02/13/2002	3:10 PM	10	2 of 2	<0.002	0.001	3.1	0.2	0.13	0.02	<1	1
02/13/2002	3:30 PM	35	1of 1	<0.002	0.001	5.5	0.3	0.12	0.03	<1	0
04/24/2002	11:10 AM	30	1 of 2	0.002	0.001	3.2	0.3	0.09	0.02	<1	1
04/24/2002	11:10 AM	30	2 of 2	<0.001	0.001	3.2	0.2	0.09	0.02	<1	0
08/07/2002	5:00 PM	1	1 of 2	0.004	0.001	39	2	0.05	0.01	<2	0
08/07/2002	5:00 PM	1	2 of 2	0.003	0.001	39	3	0.07	0.02	<2	1
11/05/2002	2:50 PM	0	1 of 2	0.011	0.001	134	3	<0.04	0.01	<1	1
11/05/2002	2:50 PM	0	2 of 2	0.013	0.001	137	9	<0.04	0.01	<1	1
01/30/2003	12:30 PM	10	1 of 2	<0.002	0.001	2.7	0.2	0.07	0.03	<0.9	0.3
01/30/2003	12:30 PM	10	2 of 2	<0.002	0.001	2.6	0.1	0.07	0.03	<0.9	0.1
01/30/2003	1:20 PM	38	1 of 2	0.003	0.001	28	2	0.07	0.05	<0.9	0.5
01/30/2003	1:20 PM	38	2 of 2	0.003	0.002	27	2	0.09	0.01	<0.9	0.7
04/17/2003	4:00 PM	40	1 of 2	0.003	0.002	34	1	0.13	0.05	<0.5	0.1
04/17/2003	4:00 PM	40	2 of 2	0.002	0.001	35	0	<0.07	0.05	<0.5	0.6
08/07/2003	4:30 PM	1	1 of 2	<0.003	0.002	15	2	0.11	0.07	<2	0
08/07/2003	4:30 PM	1	2 of 2	<0.003	0.001	15	2	0.05	0.02	<2	1
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.008	0.002	137	1	<0.04	0.05	1.3	0.6
02/13/2002	2:20 PM	52	1 of 2	0.002	0.001	4.7	0.2	0.12	0.01	<1	1
02/13/2002	2:20 PM	52	2 of 2	<0.002	0.001	4.7	0.3	0.15	0.05	<1	0
04/23/2002	1:10 PM	20	1 of 2	0.002	0.002	2.3	0.2	0.09	0.01	<1	0
04/23/2002	1:10 PM	20	2 of 2	<0.001	0.001	2.5	0.3	0.09	0.02	<1	0
11/05/2002	2:00 PM	1	1 of 2	0.037	0.002	431	41	0.07	0.01	5	0
11/05/2002	2:00 PM	1	2 of 2	0.029	0.001	423	37	<0.04	0.01	5	0

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00956)		Samarium (Sm) µg/L (82322)		Strontium (Sr) µg/L (01084)		Terbium (Tb) µg/L (01218)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	11	0	0.022	0.009	69	2	0.003	0.001
10/30/2001	5:15 PM	10	2 of 2	11	1	0.018	0.004	70	4	0.003	0.000
02/12/2002	12:00 PM	8	1 of 2	11	1	0.014	0.005	51	3	0.004	0.001
02/12/2002	12:00 PM	8	2 of 2	9.1	0.6	0.020	0.008	41	4	0.003	0.001
04/22/2002	3:20 PM	10	1 of 2	8.7	1.2	0.009	0.003	48	2	0.0027	0.0008
04/22/2002	3:20 PM	10	2 of 2	8.6	0.9	0.010	0.006	43	0	0.0017	0.0009
08/06/2002	4:30 PM	10	1 of 2	8.2	0.5	<0.008	0.003	43	2	<0.001	0.000
08/06/2002	4:30 PM	10	2 of 2	8.3	0.4	0.010	0.005	43	3	<0.001	0.001
04/15/2003	10:30 AM	40	1 of 2	15	1	0.098	0.032	41	3	0.015	0.002
04/15/2003	10:30 AM	40	2 of 2	13	1	0.063	0.015	40	2	0.009	0.001
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	15	1	0.095	0.003	71	6	0.009	0.002
11/01/2001	8:30 AM	70	2 of 2	15	1	0.080	0.009	69	4	0.009	0.003
02/12/2002	11:00 AM	140	1 of 2	12	0	0.028	0.006	52	1	0.006	0.002
02/12/2002	11:00 AM	140	2 of 2	12	0	0.017	0.003	49	1	0.004	0.002
04/22/2002	3:00 PM	140	1 of 2	11	1	0.032	0.003	47	1	0.0035	0.0005
04/22/2002	3:00 PM	140	2 of 2	11	1	0.023	0.002	45	1	0.0038	0.0001
08/08/2002	12:00 PM	45	1 of 2	12	1	<0.008	0.008	47	2	0.001	0.001
08/08/2002	12:00 PM	45	2 of 2	9.2	0.7	0.011	0.005	39	1	<0.001	0.000
08/08/2002	1:30 PM	113	1 of 2	8.8	0.5	0.011	0.006	42	0	0.002	0.001
08/08/2002	1:30 PM	113	2 of 2	12	1	0.012	0.005	48	2	<0.001	0.000
11/04/2002	3:50 PM	10	1 of 2	13	1	0.071	0.003	59	2	0.0097	0.0014
11/04/2002	3:50 PM	10	2 of 2	13	1	0.065	0.013	59	1	0.0092	0.0013
11/04/2002	3:20 PM	55	1 of 2	12	1	0.040	0.005	57	2	0.0055	0.0013
11/04/2002	3:20 PM	55	2 of 2	12	1	0.048	0.007	58	1	0.0079	0.0016
01/29/2003	2:30 PM	10	1 of 2	11	0	0.022	0.005	41	2	0.0029	0.0006
01/29/2003	2:30 PM	10	2 of 2	10	1	0.023	0.008	41	1	0.0023	0.0007
01/28/2003	4:40 PM	140	1 of 2	9.3	1.1	0.028	0.004	39	1	0.0061	0.0004
01/28/2003	4:40 PM	140	2 of 2	9.9	0.9	0.026	0.011	39	0	0.0058	0.0001
04/16/2003	4:00 PM	150	1 of 2	9.7	0.8	0.020	0.012	39	3	0.002	0.001
04/16/2003	4:00 PM	150	2 of 2	9.9	0.6	0.026	0.006	40	3	0.003	0.002
08/05/2003	12:30 PM	1	1 of 2	8.7	0.9	<0.004	0.002	41	4	<0.001	0.001
08/05/2003	12:30 PM	1	2 of 2	8.8	1.1	0.009	0.001	41	2	<0.001	0.001
08/05/2003	3:30 PM	73	1 of 2	11	1	0.006	0.001	42	5	0.003	0.000
08/05/2003	3:30 PM	73	2 of 2	11	1	0.010	0.002	41	3	0.002	0.001
08/05/2003	1:00 PM	120	1 of 2	12	1	0.009	0.004	46	5	<0.001	0.001
08/05/2003	1:00 PM	120	2 of 2	12	1	0.011	0.002	46	5	0.002	0.001

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00956)		Samarium (Sm) µg/L (82322)		Strontium (Sr) µg/L (01084)		Terbium (Tb) µg/L (01218)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	10	1	0.010	0.002	71	6	0.001	0.000
10/29/2001	4:15 PM	6	2 of 2	10	0	0.011	0.001	71	1	0.002	0.001
02/12/2002	1:30 PM	60	1 of 2	10	1	0.022	0.012	46	2	0.002	0.001
02/12/2002	1:30 PM	60	2 of 2	11	0	0.015	0.003	52	2	0.003	0.000
04/22/2002	1:50 PM	10	1 of 2	8.6	0.8	0.015	0.005	43	2	0.0023	0.0003
04/22/2002	1:50 PM	10	2 of 2	8.7	0.7	0.011	0.004	44	1	0.0024	0.0011
04/15/2003	12:40 PM	32	1 of 2	9.4	0.6	0.018	0.006	40	4	0.002	0.002
04/15/2003	12:40 PM	32	2 of 2	9.5	0.8	0.011	0.007	41	3	0.002	0.002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	14	0	0.062	0.000	74	1	0.009	0.000
10/29/2001	2:45 PM	50	2 of 2	14	0	0.058	0.005	74	1	0.011	0.005
02/13/2002	8:30 AM	120	1 of 2	11	0	0.039	0.004	47	1	0.004	0.001
02/13/2002	8:30 AM	120	2 of 2	11	1	0.029	0.002	47	4	0.004	0.000
04/22/2002	12:20 PM	120	1 of 2	11	1	0.025	0.007	47	1	0.0046	0.0005
04/22/2002	12:20 PM	120	2 of 2	11	1	0.024	0.006	45	1	0.0041	0.0012
08/07/2002	12:10 PM	10	1 of 2	8.2	0.5	0.012	0.005	44	4	0.003	0.000
08/07/2002	12:10 PM	10	2 of 2	8.3	0.8	<0.008	0.003	43	2	0.001	0.000
08/07/2002	12:40 PM	47	1 of 2	9.2	0.9	0.015	0.005	41	2	0.002	0.001
08/07/2002	12:40 PM	47	2 of 2	9.4	0.6	0.012	0.008	41	4	<0.001	0.000
08/08/2002	2:50 PM	80	1 of 2	11	1	0.019	0.011	47	4	0.003	0.000
08/08/2002	2:50 PM	80	2 of 2	11	0	0.014	0.004	46	4	0.002	0.001
11/05/2002	2:30 PM	10	1 of 2	11	1	0.043	0.010	58	2	0.0055	0.0011
11/05/2002	2:30 PM	10	2 of 2	11	1	0.039	0.002	58	1	0.0073	0.0007
11/05/2002	2:10 PM	30	1 of 2	12	1	0.10	0.00	62	5	0.014	0.003
11/05/2002	2:10 PM	30	2 of 2	13	1	0.092	0.008	63	5	0.014	0.003
01/29/2003	2:00 PM	10	1 of 2	10	1	0.024	0.008	40	2	0.0031	0.0001
01/29/2003	2:00 PM	10	2 of 2	10	0	0.025	0.005	41	1	0.0042	0.0002
01/28/2003	3:30 PM	120	1 of 2	10	1	0.027	0.007	39	2	0.0042	0.0003
01/28/2003	3:30 PM	120	2 of 2	11	1	0.029	0.012	39	2	0.0048	0.0002
04/17/2003	10:30 AM	125	1 of 2	10	0	0.021	0.005	41	4	0.004	0.001
04/17/2003	10:30 AM	125	2 of 2	10	1	0.028	0.006	40	3	0.003	0.001
08/07/2003	11:30 AM	1	1 of 2	8.7	0.9	0.013	0.007	41	4	0.001	0.000
08/07/2003	11:30 AM	1	2 of 2	8.6	0.9	0.006	0.004	41	2	<0.001	0.000
08/07/2003	11:50 AM	100	1 of 2	12	1	0.016	0.003	47	4	0.004	0.001
08/07/2003	11:50 AM	100	2 of 2	12	2	0.016	0.003	48	6	0.003	0.000

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00956)		Samarium (Sm) µg/L (82322)		Strontium (Sr) µg/L (01084)		Terbium (Tb) µg/L (01218)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	11	0	0.038	0.009	69	1	0.005	0.001
10/31/2001	10:15 AM	12	2 of 2	11	0	0.035	0.007	68	1	0.004	0.001
02/13/2002	9:00 AM	80	1 of 2	9.6	0.2	0.031	0.004	44	1	0.005	0.001
02/13/2002	9:00 AM	80	2 of 2	11	1	0.028	0.010	48	4	0.003	0.001
04/22/2002	10:40 AM	80	1 of 2	11	1	0.024	0.005	43	1	0.0040	0.0004
04/22/2002	10:40 AM	80	2 of 2	11	1	0.028	0.002	42	1	0.0034	0.0010
08/06/2002	5:50 PM	10	1 of 2	8.7	0.5	0.013	0.007	44	3	0.002	0.001
08/06/2002	5:50 PM	10	2 of 2	8.6	0.7	0.010	0.003	43	3	0.002	0.001
08/06/2002	6:20 PM	55	1 of 2	10	1	0.025	0.000	45	2	0.003	0.000
08/06/2002	6:20 PM	55	2 of 2	10	1	0.013	0.004	45	2	0.003	0.001
11/05/2002	4:10 PM	7	1 of 2	11	1	0.050	0.014	66	3	0.0067	0.0006
11/05/2002	4:10 PM	7	2 of 2	10	1	0.043	0.009	65	2	0.0065	0.0011
01/29/2003	1:20 PM	10	1 of 2	9.2	0.6	0.030	0.008	39	2	0.0047	0.0008
01/29/2003	1:20 PM	10	2 of 2	9.2	1.3	0.032	0.007	39	1	0.0036	0.0011
01/28/2003	2:50 PM	85	1 of 2	9.8	0.6	0.027	0.000	37	0	0.0038	0.0002
01/28/2003	2:50 PM	85	2 of 2	10	1	0.037	0.001	39	2	0.0030	0.0006
04/17/2003	11:30 AM	90	1 of 2	10	1	0.031	0.008	40	3	0.005	0.001
04/17/2003	11:30 AM	90	2 of 2	10	1	0.039	0.008	41	3	0.006	0.001
08/07/2003	10:00 AM	1	1 of 2	9.2	1.4	0.008	0.001	42	4	0.001	0.001
08/07/2003	10:00 AM	1	2 of 2	9.2	1.1	0.009	0.005	42	3	0.002	0.000
08/06/2003	3:00 PM	100	1 of 2	17	2	0.16	0.01	51	3	0.030	0.001
08/06/2003	3:00 PM	100	2 of 2	17	2	0.17	0.03	51	5	0.027	0.000
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	11	0	0.013	0.004	70	1	0.002	0.001
10/31/2001	1:00 PM	4	2 of 2	11	0	0.015	0.006	70	1	0.002	0.001
02/13/2002	1:00 PM	20	1 of 2	10	0	0.017	0.001	44	2	0.005	0.001
02/13/2002	1:00 PM	20	2 of 2	11	1	0.018	0.004	49	4	0.003	0.001
04/23/2002	12:10 PM	20	1 of 2	8.9	0.4	0.013	0.004	44	2	0.0021	0.0006
04/23/2002	12:10 PM	20	2 of 2	8.8	0.7	0.016	0.003	44	0	0.0018	0.0002
08/07/2002	6:50 PM	57	1 of 2	9.8	1.0	0.025	0.005	44	2	0.004	0.001
08/07/2002	6:50 PM	57	2 of 2	10	1	0.021	0.002	44	2	0.003	0.000
01/30/2003	3:30 PM	55	1 of 2	11	1	0.032	0.005	40	1	0.0045	0.0006
01/30/2003	3:30 PM	55	2 of 2	10	1	0.025	0.006	43	0	0.0051	0.0003
04/17/2003	2:30 PM	55	1 of 2	11	0	0.035	0.005	43	4	0.007	0.001
04/17/2003	2:30 PM	55	2 of 2	11	0	0.033	0.006	44	4	0.006	0.001
08/07/2003	4:00 PM	1	1 of 2	8.9	0.8	0.014	0.006	41	3	0.003	0.001
08/07/2003	4:00 PM	1	2 of 2	8.9	1.1	0.020	0.006	41	4	0.003	0.001

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00956)		Samarium (Sm) µg/L (82322)		Strontium (Sr) µg/L (01084)		Terbium (Tb) µg/L (01218)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	8.3	0.7	0.012	0.003	43	4	0.001	0.001
08/07/2002	3:40 PM	10	2 of 2	8.2	0.4	0.011	0.003	43	4	0.002	0.001
04/17/2003	1:20 PM	80	1 of 2	10	1	0.019	0.006	42	3	0.005	0.001
04/17/2003	1:20 PM	80	2 of 2	9.9	0.6	0.026	0.004	41	3	0.003	0.001
08/07/2003	1:00 PM	1	1 of 2	9.0	0.6	0.015	0.012	41	4	0.002	0.001
08/07/2003	1:00 PM	1	2 of 2	8.9	1.0	0.006	0.001	41	1	0.001	0.001
08/07/2003	1:30 PM	40	1 of 2	10	1	0.016	0.005	39	4	0.003	0.001
08/07/2003	1:30 PM	40	2 of 2	10	1	0.015	0.003	38	3	0.002	0.001
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	55	1	4.4	0.1	146	2	0.95	0.10
10/31/2001	2:15 PM	1	2 of 2	55	0	4.2	0.4	149	3	0.97	0.09
02/13/2002	3:10 PM	10	1 of 2	11	0	0.017	0.006	50	2	0.004	0.001
02/13/2002	3:10 PM	10	2 of 2	11	1	0.023	0.001	50	3	0.003	0.001
02/13/2002	3:30 PM	35	1of 1	11	0	0.034	0.004	49	2	0.010	0.001
04/24/2002	11:10 AM	30	1 of 2	10	1	0.020	0.005	42	1	0.0038	0.0007
04/24/2002	11:10 AM	30	2 of 2	10	1	0.015	0.003	42	2	0.0044	0.0004
08/07/2002	5:00 PM	1	1 of 2	24	1	0.39	0.05	62	7	0.11	0.00
08/07/2002	5:00 PM	1	2 of 2	23	2	0.42	0.01	62	3	0.098	0.001
11/05/2002	2:50 PM	0	1 of 2	47	3	2.6	0.1	105	2	0.56	0.01
11/05/2002	2:50 PM	0	2 of 2	47	3	2.5	0.0	109	5	0.56	0.01
01/30/2003	12:30 PM	10	1 of 2	11	1	0.023	0.005	41	1	0.0025	0.0003
01/30/2003	12:30 PM	10	2 of 2	10.0	1.2	0.017	0.001	40	2	0.0033	0.0006
01/30/2003	1:20 PM	38	1 of 2	16	1	0.38	0.02	56	1	0.080	0.003
01/30/2003	1:20 PM	38	2 of 2	16	1	0.36	0.03	57	0	0.085	0.000
04/17/2003	4:00 PM	40	1 of 2	19	1	0.53	0.05	50	4	0.14	0.01
04/17/2003	4:00 PM	40	2 of 2	19	1	0.55	0.03	50	4	0.14	0.00
08/07/2003	4:30 PM	1	1 of 2	15	2	0.021	0.007	46	6	0.005	0.001
08/07/2003	4:30 PM	1	2 of 2	15	2	0.021	0.004	46	3	0.004	0.001
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	21	0	1.48	0.15	94	11	0.38	0.04
02/13/2002	2:20 PM	52	1 of 2	12	0	0.042	0.005	54	1	0.009	0.002
02/13/2002	2:20 PM	52	2 of 2	11	1	0.057	0.002	54	5	0.008	0.000
04/23/2002	1:10 PM	20	1 of 2	8.5	0.5	0.011	0.003	44	1	0.0013	0.0001
04/23/2002	1:10 PM	20	2 of 2	8.9	0.8	0.013	0.004	42	2	0.0028	0.0009
11/05/2002	2:00 PM	1	1 of 2	53	4	7.8	0.4	181	6	2.2	0.1
11/05/2002	2:00 PM	1	2 of 2	52	5	7.5	0.6	184	4	2.1	0.2

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (01064)		Thorium (Th) µg/L (82364)		Thallium (Tl) µg/L (01059)		Thulium (Tm) µg/L –	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	<0.06	0.00	<0.008	0.001	<0.06	0.01	<0.001	0.001
10/30/2001	5:15 PM	10	2 of 2	<0.06	0.01	<0.008	0.001	<0.06	0.01	<0.001	0.000
02/12/2002	12:00 PM	8	1 of 2	<0.09	0.04	0.007	0.003	<0.1	0.1	<0.001	0.000
02/12/2002	12:00 PM	8	2 of 2	<0.09	0.03	0.011	0.007	<0.1	0.1	0.0011	0.0007
04/22/2002	3:20 PM	10	1 of 2	<0.03	0.00	0.014	0.010	<0.02	0.02	0.0009	0.0005
04/22/2002	3:20 PM	10	2 of 2	<0.03	0.02	<0.007	0.001	<0.02	0.01	0.0018	0.0003
08/06/2002	4:30 PM	10	1 of 2	<0.07	0.04	<0.008	0.003	<0.02	0.02	0.001	0.000
08/06/2002	4:30 PM	10	2 of 2	<0.07	0.03	0.012	0.009	<0.02	0.02	<0.001	0.000
04/15/2003	10:30 AM	40	1 of 2	<0.06	0.02	0.014	0.001	<0.06	0.04	0.006	0.001
04/15/2003	10:30 AM	40	2 of 2	<0.06	0.00	<0.007	0.004	<0.06	0.06	0.003	0.001
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	<0.11	0.01	<0.014	0.002	<0.11	0.07	0.006	0.002
11/01/2001	8:30 AM	70	2 of 2	<0.11	0.02	<0.014	0.002	<0.11	0.03	0.004	0.001
02/12/2002	11:00 AM	140	1 of 2	<0.09	0.05	0.025	0.011	<0.1	0.2	<0.001	0.000
02/12/2002	11:00 AM	140	2 of 2	<0.09	0.02	0.015	0.008	<0.1	0.1	0.0019	0.0003
04/22/2002	3:00 PM	140	1 of 2	<0.03	0.01	0.007	0.001	<0.02	0.01	0.0029	0.0005
04/22/2002	3:00 PM	140	2 of 2	<0.03	0.02	0.010	0.008	<0.02	0.02	0.0018	0.0007
08/08/2002	12:00 PM	45	1 of 2	<0.07	0.02	<0.008	0.004	<0.02	0.01	<0.001	0.001
08/08/2002	12:00 PM	45	2 of 2	<0.07	0.05	<0.008	0.001	<0.02	0.01	0.001	0.000
08/08/2002	1:30 PM	113	1 of 2	<0.07	0.02	0.009	0.011	<0.02	0.04	0.002	0.000
08/08/2002	1:30 PM	113	2 of 2	<0.07	0.04	<0.008	0.010	<0.02	0.04	<0.001	0.001
11/04/2002	3:50 PM	10	1 of 2	<0.07	0.04	0.020	0.004	<0.04	0.00	0.005	0.002
11/04/2002	3:50 PM	10	2 of 2	<0.07	0.05	0.028	0.014	<0.04	0.01	0.005	0.000
11/04/2002	3:20 PM	55	1 of 2	<0.07	0.04	0.025	0.010	<0.04	0.05	0.003	0.000
11/04/2002	3:20 PM	55	2 of 2	<0.07	0.02	0.020	0.003	<0.04	0.04	0.004	0.001
01/29/2003	2:30 PM	10	1 of 2	<0.07	0.03	<0.01	0.00	<0.03	0.01	0.002	0.001
01/29/2003	2:30 PM	10	2 of 2	<0.07	0.03	<0.01	0.00	<0.03	0.00	0.001	0.000
01/28/2003	4:40 PM	140	1 of 2	<0.07	0.02	<0.01	0.00	<0.03	0.01	0.002	0.001
01/28/2003	4:40 PM	140	2 of 2	<0.07	0.03	<0.01	0.01	<0.03	0.02	0.002	0.000
04/16/2003	4:00 PM	150	1 of 2	<0.06	0.03	<0.007	0.000	<0.06	0.01	0.002	0.000
04/16/2003	4:00 PM	150	2 of 2	<0.06	0.01	<0.007	0.001	<0.06	0.01	0.002	0.000
08/05/2003	12:30 PM	1	1 of 2	<0.04	0.03	<0.009	0.001	<0.02	0.04	<0.0007	0.0003
08/05/2003	12:30 PM	1	2 of 2	<0.04	0.03	<0.009	0.001	<0.02	0.00	0.0007	0.0009
08/05/2003	3:30 PM	73	1 of 2	0.04	0.02	<0.009	0.001	<0.02	0.01	0.0016	0.0017
08/05/2003	3:30 PM	73	2 of 2	<0.04	0.04	<0.009	0.000	<0.02	0.02	0.0012	0.0006
08/05/2003	1:00 PM	120	1 of 2	<0.04	0.00	<0.009	0.007	<0.02	0.05	0.0021	0.0004
08/05/2003	1:00 PM	120	2 of 2	<0.04	0.04	<0.009	0.000	<0.02	0.01	0.0016	0.0012

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (01064)		Thorium (Th) µg/L (82364)		Thallium (Tl) µg/L (01059)		Thulium (Tm) µg/L –	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	<0.06	0.02	<0.008	0.001	<0.06	0.00	<0.001	0.001
10/29/2001	4:15 PM	6	2 of 2	<0.06	0.02	<0.008	0.001	<0.06	0.00	<0.001	0.001
02/12/2002	1:30 PM	60	1 of 2	<0.09	0.00	0.010	0.004	<0.1	0.1	0.0012	0.001
02/12/2002	1:30 PM	60	2 of 2	<0.09	0.04	0.018	0.016	<0.1	0.1	0.0011	0.000
04/22/2002	1:50 PM	10	1 of 2	<0.03	0.03	<0.007	0.004	<0.02	0.01	0.0016	0.000
04/22/2002	1:50 PM	10	2 of 2	<0.03	0.01	<0.007	0.004	<0.02	0.02	0.0011	0.001
04/15/2003	12:40 PM	32	1 of 2	<0.06	0.02	<0.007	0.000	<0.06	0.06	0.002	0.001
04/15/2003	12:40 PM	32	2 of 2	<0.06	0.03	<0.007	0.001	<0.06	0.07	0.002	0.002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	<0.06	0.01	<0.008	0.001	<0.06	0.01	0.005	0.001
10/29/2001	2:45 PM	50	2 of 2	<0.06	0.01	<0.008	0.002	<0.06	0.01	0.005	0.001
02/13/2002	8:30 AM	120	1 of 2	<0.09	0.00	0.018	0.004	<0.1	0.1	0.0022	0.0006
02/13/2002	8:30 AM	120	2 of 2	<0.09	0.01	0.018	0.003	<0.1	0.1	0.0024	0.0007
04/22/2002	12:20 PM	120	1 of 2	<0.03	0.03	0.021	0.003	<0.02	0.01	0.0024	0.0004
04/22/2002	12:20 PM	120	2 of 2	<0.03	0.02	0.017	0.004	<0.02	0.00	0.0021	0.0004
08/07/2002	12:10 PM	10	1 of 2	<0.07	0.02	0.012	0.007	0.03	0.05	<0.001	0.001
08/07/2002	12:10 PM	10	2 of 2	<0.07	0.01	0.018	0.005	<0.02	0.02	<0.001	0.001
08/07/2002	12:40 PM	47	1 of 2	<0.07	0.02	<0.008	0.003	<0.02	0.01	0.001	0.001
08/07/2002	12:40 PM	47	2 of 2	<0.07	0.03	<0.008	0.001	<0.02	0.02	<0.001	0.000
08/08/2002	2:50 PM	80	1 of 2	<0.07	0.03	<0.008	0.014	<0.02	0.00	0.001	0.001
08/08/2002	2:50 PM	80	2 of 2	<0.07	0.02	<0.008	0.008	<0.02	0.02	0.002	0.000
11/05/2002	2:30 PM	10	1 of 2	<0.07	0.02	0.014	0.000	<0.04	0.01	0.003	0.000
11/05/2002	2:30 PM	10	2 of 2	<0.07	0.02	0.029	0.016	<0.04	0.01	0.002	0.001
11/05/2002	2:10 PM	30	1 of 2	<0.07	0.01	0.035	0.008	<0.04	0.02	0.007	0.002
11/05/2002	2:10 PM	30	2 of 2	<0.07	0.04	0.049	0.017	<0.04	0.04	0.006	0.001
01/29/2003	2:00 PM	10	1 of 2	<0.07	0.03	0.01	0.01	<0.03	0.03	0.002	0.001
01/29/2003	2:00 PM	10	2 of 2	<0.07	0.03	0.02	0.01	<0.03	0.01	0.001	0.001
01/28/2003	3:30 PM	120	1 of 2	<0.07	0.02	<0.01	0.00	<0.03	0.03	0.002	0.001
01/28/2003	3:30 PM	120	2 of 2	<0.07	0.04	0.01	0.01	<0.03	0.01	0.002	0.000
04/17/2003	10:30 AM	125	1 of 2	<0.06	0.04	<0.007	0.001	<0.06	0.01	0.002	0.000
04/17/2003	10:30 AM	125	2 of 2	<0.06	0.04	<0.007	0.000	<0.06	0.08	<0.002	0.000
08/07/2003	11:30 AM	1	1 of 2	<0.04	0.01	<0.009	0.002	<0.02	0.00	0.0010	0.0011
08/07/2003	11:30 AM	1	2 of 2	<0.04	0.00	<0.009	0.001	<0.02	0.03	0.0017	0.0007
08/07/2003	11:50 AM	100	1 of 2	<0.04	0.03	<0.009	0.000	<0.02	0.05	0.0017	0.0007
08/07/2003	11:50 AM	100	2 of 2	<0.04	0.02	<0.009	0.003	<0.02	0.07	0.0026	0.0008

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (01064)		Thorium (Th) µg/L (82364)		Thallium (Tl) µg/L (01059)		Thulium (Tm) µg/L —	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	<0.06	0.01	<0.008	0.000	<0.06	0.00	0.003	0.001
10/31/2001	10:15 AM	12	2 of 2	<0.06	0.02	<0.008	0.001	<0.06	0.01	0.003	0.001
02/13/2002	9:00 AM	80	1 of 2	<0.09	0.02	0.024	0.001	<0.1	0.1	0.0016	0.0006
02/13/2002	9:00 AM	80	2 of 2	<0.09	0.02	0.017	0.011	<0.1	0.0	0.0020	0.0002
04/22/2002	10:40 AM	80	1 of 2	<0.03	0.02	0.013	0.006	<0.02	0.03	0.0020	0.0005
04/22/2002	10:40 AM	80	2 of 2	<0.03	0.00	0.016	0.006	<0.02	0.01	0.0021	0.0008
08/06/2002	5:50 PM	10	1 of 2	<0.07	0.01	0.014	0.007	<0.02	0.03	<0.001	0.001
08/06/2002	5:50 PM	10	2 of 2	<0.07	0.03	0.017	0.016	<0.02	0.02	<0.001	0.001
08/06/2002	6:20 PM	55	1 of 2	<0.07	0.05	0.019	0.013	0.03	0.05	0.002	0.001
08/06/2002	6:20 PM	55	2 of 2	<0.07	0.01	<0.008	0.000	<0.02	0.05	<0.001	0.000
11/05/2002	4:10 PM	7	1 of 2	<0.07	0.01	0.027	0.012	<0.04	0.01	0.004	0.000
11/05/2002	4:10 PM	7	2 of 2	<0.07	0.01	0.027	0.007	<0.04	0.02	0.003	0.001
01/29/2003	1:20 PM	10	1 of 2	<0.07	0.02	0.01	0.01	<0.03	0.00	0.002	0.000
01/29/2003	1:20 PM	10	2 of 2	<0.07	0.01	<0.01	0.01	<0.03	0.01	0.002	0.001
01/28/2003	2:50 PM	85	1 of 2	<0.07	0.03	<0.01	0.00	<0.03	0.03	0.003	0.000
01/28/2003	2:50 PM	85	2 of 2	<0.07	0.01	<0.01	0.01	<0.03	0.01	0.002	0.000
04/17/2003	11:30 AM	90	1 of 2	<0.06	0.05	<0.007	0.001	<0.06	0.06	0.002	0.001
04/17/2003	11:30 AM	90	2 of 2	<0.06	0.00	<0.007	0.001	<0.06	0.11	0.002	0.001
08/07/2003	10:00 AM	1	1 of 2	<0.04	0.00	<0.009	0.004	<0.02	0.01	0.0012	0.0011
08/07/2003	10:00 AM	1	2 of 2	<0.04	0.04	<0.009	0.002	<0.02	0.02	<0.0007	0.0004
08/06/2003	3:00 PM	100	1 of 2	<0.04	0.04	0.061	0.003	0.08	0.12	0.014	0.001
08/06/2003	3:00 PM	100	2 of 2	<0.04	0.03	0.037	0.008	<0.02	0.03	0.012	0.003
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	<0.06	0.01	<0.008	0.001	<0.06	0.02	<0.001	0.002
10/31/2001	1:00 PM	4	2 of 2	<0.06	0.02	<0.008	0.001	<0.06	0.00	<0.001	0.000
02/13/2002	1:00 PM	20	1 of 2	<0.09	0.03	0.011	0.006	<0.1	0.1	0.0010	0.0002
02/13/2002	1:00 PM	20	2 of 2	<0.09	0.01	0.036	0.000	<0.1	0.2	0.0014	0.0006
04/23/2002	12:10 PM	20	1 of 2	<0.03	0.01	<0.007	0.004	<0.02	0.03	0.0014	0.0003
04/23/2002	12:10 PM	20	2 of 2	<0.03	0.02	0.015	0.014	0.06	0.02	0.0008	0.0005
08/07/2002	6:50 PM	57	1 of 2	<0.07	0.03	0.009	0.010	<0.02	0.01	0.002	0.001
08/07/2002	6:50 PM	57	2 of 2	<0.07	0.01	0.015	0.002	<0.02	0.02	0.002	0.000
01/30/2003	3:30 PM	55	1 of 2	<0.07	0.03	<0.01	0.00	<0.03	0.01	0.002	0.001
01/30/2003	3:30 PM	55	2 of 2	<0.07	0.04	0.01	0.00	<0.03	0.03	0.002	0.001
04/17/2003	2:30 PM	55	1 of 2	<0.06	0.04	<0.007	0.001	<0.06	0.17	0.004	0.000
04/17/2003	2:30 PM	55	2 of 2	<0.06	0.02	<0.007	0.000	<0.06	0.18	0.002	0.002
08/07/2003	4:00 PM	1	1 of 2	<0.04	0.03	<0.009	0.003	<0.02	0.03	0.0017	0.0003
08/07/2003	4:00 PM	1	2 of 2	<0.04	0.01	<0.009	0.001	<0.02	0.03	0.0014	0.0010

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (01064)		Thorium (Th) µg/L (82364)		Thallium (Tl) µg/L (01059)		Thulium (Tm) µg/L –	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	<0.07	0.04	<0.008	0.001	<0.02	0.01	<0.001	0.000
08/07/2002	3:40 PM	10	2 of 2	<0.07	0.04	0.011	0.003	<0.02	0.01	<0.001	0.001
04/17/2003	1:20 PM	80	1 of 2	<0.06	0.03	<0.007	0.001	<0.06	0.04	0.002	0.001
04/17/2003	1:20 PM	80	2 of 2	<0.06	0.03	<0.007	0.000	<0.06	0.05	<0.002	0.001
08/07/2003	1:00 PM	1	1 of 2	<0.04	0.00	<0.009	0.001	<0.02	0.01	0.0013	0.0005
08/07/2003	1:00 PM	1	2 of 2	<0.04	0.04	<0.009	0.000	<0.02	0.02	0.0007	0.0007
08/07/2003	1:30 PM	40	1 of 2	<0.04	0.03	<0.009	0.002	<0.02	0.02	0.0010	0.0005
08/07/2003	1:30 PM	40	2 of 2	<0.04	0.02	<0.009	0.001	<0.02	0.03	0.0018	0.0011
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.06	0.00	0.23	0.09	0.55	0.08	0.52	0.02
10/31/2001	2:15 PM	1	2 of 2	<0.06	0.02	0.20	0.04	0.55	0.08	0.49	0.04
02/13/2002	3:10 PM	10	1 of 2	<0.09	0.03	0.012	0.003	<0.1	0.1	0.0013	0.0003
02/13/2002	3:10 PM	10	2 of 2	<0.09	0.03	0.010	0.007	<0.1	0.1	0.0019	0.0003
02/13/2002	3:30 PM	35	1of 1	<0.09	0.03	0.014	0.006	<0.1	0.0	0.0050	0.0006
04/24/2002	11:10 AM	30	1 of 2	<0.03	0.00	0.021	0.017	<0.02	0.00	0.0019	0.0004
04/24/2002	11:10 AM	30	2 of 2	<0.03	0.02	0.017	0.007	<0.02	0.01	0.0024	0.0004
08/07/2002	5:00 PM	1	1 of 2	<0.07	0.03	0.028	0.012	0.11	0.01	0.056	0.000
08/07/2002	5:00 PM	1	2 of 2	<0.07	0.03	0.045	0.005	0.11	0.01	0.053	0.001
11/05/2002	2:50 PM	0	1 of 2	<0.07	0.01	0.093	0.000	0.42	0.02	0.31	0.01
11/05/2002	2:50 PM	0	2 of 2	<0.07	0.05	0.11	0.03	0.43	0.03	0.31	0.02
01/30/2003	12:30 PM	10	1 of 2	<0.07	0.02	0.01	0.00	<0.03	0.01	0.001	0.000
01/30/2003	12:30 PM	10	2 of 2	<0.07	0.02	0.03	0.00	<0.03	0.00	0.001	0.001
01/30/2003	1:20 PM	38	1 of 2	<0.07	0.00	0.05	0.04	0.08	0.02	0.043	0.001
01/30/2003	1:20 PM	38	2 of 2	<0.07	0.04	0.05	0.04	0.08	0.01	0.046	0.005
04/17/2003	4:00 PM	40	1 of 2	<0.06	0.05	<0.007	0.000	<0.06	0.10	0.071	0.008
04/17/2003	4:00 PM	40	2 of 2	<0.06	0.04	<0.007	0.001	<0.06	0.05	0.076	0.001
08/07/2003	4:30 PM	1	1 of 2	<0.04	0.01	<0.009	0.002	<0.05	0.05	0.0033	0.0006
08/07/2003	4:30 PM	1	2 of 2	<0.04	0.05	<0.009	0.002	<0.05	0.01	0.0030	0.0004
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	<0.11	0.01	<0.014	0.001	<0.11	0.01	0.22	0.00
02/13/2002	2:20 PM	52	1 of 2	<0.09	0.05	0.019	0.011	<0.1	0.1	0.0050	0.0017
02/13/2002	2:20 PM	52	2 of 2	<0.09	0.00	0.009	0.009	<0.1	0.1	0.0037	0.0013
04/23/2002	1:10 PM	20	1 of 2	<0.03	0.01	0.010	0.004	0.04	0.01	0.0016	0.0003
04/23/2002	1:10 PM	20	2 of 2	<0.03	0.01	0.012	0.008	<0.02	0.02	0.0015	0.0007
11/05/2002	2:00 PM	1	1 of 2	<0.07	0.02	0.13	0.04	0.51	0.01	1.2	0.0
11/05/2002	2:00 PM	1	2 of 2	<0.07	0.02	0.100	0.011	0.51	0.00	1.2	0.0

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (28011)		Vanadium (V) µg/L (01087)		Yttrium (Y) µg/L (01203)		Ytterbium (Yb) µg/L (01196)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.066	0.009	2	1	0.094	0.012	0.009	0.001
10/30/2001	5:15 PM	10	2 of 2	0.067	0.003	3	0	0.095	0.010	0.012	0.003
02/12/2002	12:00 PM	8	1 of 2	0.014	0.005	<4	1	0.12	0.00	0.013	0.003
02/12/2002	12:00 PM	8	2 of 2	0.017	0.005	<4	1	0.12	0.00	0.011	0.001
04/22/2002	3:20 PM	10	1 of 2	0.022	0.002	<2	0	0.074	0.004	0.004	0.000
04/22/2002	3:20 PM	10	2 of 2	0.021	0.002	<2	1	0.068	0.005	0.006	0.002
08/06/2002	4:30 PM	10	1 of 2	0.012	0.001	2	1	0.043	0.006	<0.004	0.001
08/06/2002	4:30 PM	10	2 of 2	0.016	0.002	2	1	0.047	0.001	<0.004	0.002
04/15/2003	10:30 AM	40	1 of 2	0.064	0.001	6	3	0.46	0.02	0.059	0.003
04/15/2003	10:30 AM	40	2 of 2	0.037	0.008	5	1	0.30	0.00	0.032	0.004
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.047	0.000	<2	1	0.42	0.01	0.036	0.006
11/01/2001	8:30 AM	70	2 of 2	0.042	0.008	3	1	0.42	0.02	0.041	0.004
02/12/2002	11:00 AM	140	1 of 2	0.021	0.003	<4	1	0.16	0.01	0.012	0.002
02/12/2002	11:00 AM	140	2 of 2	0.027	0.008	<4	1	0.15	0.01	0.014	0.000
04/22/2002	3:00 PM	140	1 of 2	0.022	0.002	<2	2	0.15	0.01	0.015	0.001
04/22/2002	3:00 PM	140	2 of 2	0.024	0.001	<2	2	0.14	0.00	0.017	0.001
08/08/2002	12:00 PM	45	1 of 2	0.016	0.002	<2	1	0.063	0.005	0.008	0.001
08/08/2002	12:00 PM	45	2 of 2	0.012	0.001	<2	0	0.077	0.006	<0.004	0.002
08/08/2002	1:30 PM	113	1 of 2	0.010	0.002	<2	1	0.069	0.006	0.006	0.002
08/08/2002	1:30 PM	113	2 of 2	0.017	0.000	<2	1	0.065	0.002	0.005	0.002
11/04/2002	3:50 PM	10	1 of 2	0.048	0.002	4	1	0.35	0.01	0.033	0.004
11/04/2002	3:50 PM	10	2 of 2	0.052	0.004	3	1	0.35	0.02	0.030	0.004
11/04/2002	3:20 PM	55	1 of 2	0.046	0.005	3	1	0.26	0.01	0.015	0.004
11/04/2002	3:20 PM	55	2 of 2	0.045	0.000	4	1	0.25	0.01	0.022	0.004
01/29/2003	2:30 PM	10	1 of 2	0.018	0.003	<2	2	0.14	0.00	0.014	0.004
01/29/2003	2:30 PM	10	2 of 2	0.020	0.004	<2	1	0.13	0.01	0.013	0.004
01/28/2003	4:40 PM	140	1 of 2	0.028	0.003	<2	1	0.17	0.01	0.016	0.003
01/28/2003	4:40 PM	140	2 of 2	0.027	0.004	<2	1	0.17	0.01	0.014	0.003
04/16/2003	4:00 PM	150	1 of 2	0.019	0.000	<2	2	0.11	0.01	0.011	0.001
04/16/2003	4:00 PM	150	2 of 2	0.022	0.004	<2	1	0.11	0.00	0.009	0.000
08/05/2003	12:30 PM	1	1 of 2	<0.01	0.00	3	2	0.033	0.003	<0.003	0.003
08/05/2003	12:30 PM	1	2 of 2	<0.01	0.00	<2	1	0.038	0.003	<0.003	0.000
08/05/2003	3:30 PM	73	1 of 2	0.02	0.00	<2	0	0.10	0.00	0.008	0.001
08/05/2003	3:30 PM	73	2 of 2	0.02	0.01	<2	1	0.090	0.010	0.007	0.001
08/05/2003	1:00 PM	120	1 of 2	0.01	0.00	<2	1	0.092	0.016	0.009	0.001
08/05/2003	1:00 PM	120	2 of 2	<0.01	0.00	<2	0	0.081	0.011	0.010	0.003

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (28011)		Vanadium (V) µg/L (01087)		Yttrium (Y) µg/L (01203)		Ytterbium (Yb) µg/L (01196)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.067	0.002	<1	1	0.063	0.012	0.008	0.005
10/29/2001	4:15 PM	6	2 of 2	0.063	0.009	2	1	0.058	0.001	0.008	0.001
02/12/2002	1:30 PM	60	1 of 2	0.017	0.002	<4	1	0.13	0.00	0.011	0.003
02/12/2002	1:30 PM	60	2 of 2	0.017	0.003	<4	0	0.12	0.01	0.011	0.002
04/22/2002	1:50 PM	10	1 of 2	0.020	0.001	<2	0	0.073	0.003	0.004	0.002
04/22/2002	1:50 PM	10	2 of 2	0.019	0.001	<2	0	0.075	0.008	0.006	0.002
04/15/2003	12:40 PM	32	1 of 2	0.018	0.001	<2	1	0.087	0.007	0.007	0.002
04/15/2003	12:40 PM	32	2 of 2	0.014	0.006	<2	1	0.083	0.009	0.007	0.001
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.094	0.004	4	1	0.30	0.00	0.032	0.000
10/29/2001	2:45 PM	50	2 of 2	0.099	0.009	4	1	0.31	0.00	0.026	0.004
02/13/2002	8:30 AM	120	1 of 2	0.019	0.002	<4	1	0.14	0.01	0.015	0.002
02/13/2002	8:30 AM	120	2 of 2	0.019	0.003	<4	1	0.16	0.00	0.016	0.004
04/22/2002	12:20 PM	120	1 of 2	0.021	0.000	<2	1	0.16	0.01	0.013	0.003
04/22/2002	12:20 PM	120	2 of 2	0.021	0.001	<2	1	0.15	0.00	0.012	0.001
08/07/2002	12:10 PM	10	1 of 2	0.034	0.015	2	1	0.053	0.008	<0.004	0.001
08/07/2002	12:10 PM	10	2 of 2	0.013	0.002	2	1	0.054	0.004	0.005	0.004
08/07/2002	12:40 PM	47	1 of 2	0.012	0.004	<2	1	0.083	0.006	0.011	0.002
08/07/2002	12:40 PM	47	2 of 2	0.012	0.000	<2	0	0.080	0.006	0.007	0.002
08/08/2002	2:50 PM	80	1 of 2	0.018	0.006	<2	2	0.091	0.007	0.009	0.001
08/08/2002	2:50 PM	80	2 of 2	0.014	0.001	<2	1	0.093	0.004	0.006	0.003
11/05/2002	2:30 PM	10	1 of 2	0.049	0.001	2	2	0.22	0.01	0.021	0.004
11/05/2002	2:30 PM	10	2 of 2	0.050	0.005	3	1	0.21	0.01	0.023	0.004
11/05/2002	2:10 PM	30	1 of 2	0.067	0.003	4	1	0.47	0.01	0.037	0.002
11/05/2002	2:10 PM	30	2 of 2	0.064	0.001	3	1	0.44	0.02	0.037	0.012
01/29/2003	2:00 PM	10	1 of 2	0.025	0.005	<2	0	0.15	0.01	0.009	0.003
01/29/2003	2:00 PM	10	2 of 2	0.029	0.004	<2	1	0.15	0.01	0.016	0.005
01/28/2003	3:30 PM	120	1 of 2	0.026	0.000	<2	1	0.16	0.00	0.016	0.003
01/28/2003	3:30 PM	120	2 of 2	0.027	0.001	<2	1	0.17	0.00	0.015	0.002
04/17/2003	10:30 AM	125	1 of 2	0.019	0.003	<2	0	0.12	0.01	0.011	0.002
04/17/2003	10:30 AM	125	2 of 2	0.022	0.007	<2	3	0.12	0.01	0.014	0.000
08/07/2003	11:30 AM	1	1 of 2	0.01	0.00	3	1	0.043	0.005	0.007	0.001
08/07/2003	11:30 AM	1	2 of 2	<0.01	0.00	<2	0	0.043	0.001	0.004	0.002
08/07/2003	11:50 AM	100	1 of 2	0.01	0.00	<2	1	0.098	0.003	0.008	0.001
08/07/2003	11:50 AM	100	2 of 2	0.01	0.00	<2	1	0.11	0.01	0.013	0.002

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued.*

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (28011)		Vanadium (V) µg/L (01087)		Yttrium (Y) µg/L (01203)		Ytterbium (Yb) µg/L (01196)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.065	0.008	2	2	0.18	0.02	0.017	0.004
10/31/2001	10:15 AM	12	2 of 2	0.066	0.012	2	1	0.17	0.01	0.013	0.002
02/13/2002	9:00 AM	80	1 of 2	0.024	0.006	<4	0	0.16	0.01	0.010	0.001
02/13/2002	9:00 AM	80	2 of 2	0.023	0.001	<4	1	0.15	0.00	0.011	0.002
04/22/2002	10:40 AM	80	1 of 2	0.022	0.001	<2	0	0.14	0.01	0.011	0.002
04/22/2002	10:40 AM	80	2 of 2	0.027	0.006	<2	1	0.14	0.01	0.010	0.000
08/06/2002	5:50 PM	10	1 of 2	0.015	0.004	2	1	0.054	0.005	0.005	0.001
08/06/2002	5:50 PM	10	2 of 2	0.017	0.005	<2	0	0.054	0.006	<0.004	0.001
08/06/2002	6:20 PM	55	1 of 2	0.018	0.003	<2	1	0.10	0.01	0.007	0.002
08/06/2002	6:20 PM	55	2 of 2	0.016	0.003	<2	0	0.099	0.004	0.009	0.003
11/05/2002	4:10 PM	7	1 of 2	0.056	0.001	2	0	0.23	0.02	0.019	0.004
11/05/2002	4:10 PM	7	2 of 2	0.053	0.006	4	1	0.24	0.00	0.018	0.005
01/29/2003	1:20 PM	10	1 of 2	0.029	0.002	<2	0	0.14	0.01	0.012	0.002
01/29/2003	1:20 PM	10	2 of 2	0.027	0.002	<2	2	0.18	0.01	0.013	0.004
01/28/2003	2:50 PM	85	1 of 2	0.026	0.006	<2	1	0.14	0.00	0.009	0.002
01/28/2003	2:50 PM	85	2 of 2	0.026	0.002	<2	2	0.16	0.01	0.014	0.005
04/17/2003	11:30 AM	90	1 of 2	0.023	0.002	<2	1	0.18	0.02	0.014	0.001
04/17/2003	11:30 AM	90	2 of 2	0.021	0.002	<2	1	0.18	0.02	0.016	0.000
08/07/2003	10:00 AM	1	1 of 2	<0.01	0.00	2	0	0.055	0.006	<0.003	0.001
08/07/2003	10:00 AM	1	2 of 2	<0.01	0.00	2	1	0.058	0.004	0.003	0.003
08/06/2003	3:00 PM	100	1 of 2	0.08	0.00	4	0	0.89	0.01	0.074	0.007
08/06/2003	3:00 PM	100	2 of 2	0.05	0.01	6	0	0.91	0.02	0.074	0.005
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.064	0.006	2	1	0.092	0.007	0.007	0.003
10/31/2001	1:00 PM	4	2 of 2	0.064	0.000	2	0	0.097	0.013	0.007	0.002
02/13/2002	1:00 PM	20	1 of 2	0.016	0.004	<4	0	0.15	0.00	0.013	0.003
02/13/2002	1:00 PM	20	2 of 2	0.037	0.016	<4	1	0.14	0.01	0.012	0.003
04/23/2002	12:10 PM	20	1 of 2	0.024	0.001	<2	0	0.080	0.004	0.009	0.001
04/23/2002	12:10 PM	20	2 of 2	0.024	0.005	<2	2	0.084	0.002	0.010	0.001
08/07/2002	6:50 PM	57	1 of 2	0.012	0.000	<2	2	0.14	0.00	0.011	0.003
08/07/2002	6:50 PM	57	2 of 2	0.016	0.003	2	1	0.14	0.01	0.013	0.002
01/30/2003	3:30 PM	55	1 of 2	0.023	0.000	<2	2	0.19	0.01	0.016	0.002
01/30/2003	3:30 PM	55	2 of 2	0.026	0.002	<2	1	0.19	0.02	0.013	0.003
04/17/2003	2:30 PM	55	1 of 2	0.023	0.000	<2	1	0.25	0.02	0.029	0.001
04/17/2003	2:30 PM	55	2 of 2	0.023	0.004	<2	0	0.23	0.01	0.018	0.004
08/07/2003	4:00 PM	1	1 of 2	0.09	0.08	2	0	0.089	0.005	0.011	0.001
08/07/2003	4:00 PM	1	2 of 2	<0.01	0.00	2	0	0.092	0.009	0.005	0.002

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (28011)		Vanadium (V) µg/L (01087)		Yttrium (Y) µg/L (01203)		Ytterbium (Yb) µg/L (01196)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.012	0.002	2	1	0.055	0.001	0.005	0.004
08/07/2002	3:40 PM	10	2 of 2	0.014	0.000	2	1	0.056	0.003	<0.004	0.001
04/17/2003	1:20 PM	80	1 of 2	0.022	0.007	<2	1	0.15	0.00	0.011	0.004
04/17/2003	1:20 PM	80	2 of 2	0.020	0.003	<2	1	0.14	0.02	0.011	0.000
08/07/2003	1:00 PM	1	1 of 2	<0.01	0.00	<2	0	0.078	0.006	0.006	0.001
08/07/2003	1:00 PM	1	2 of 2	<0.01	0.00	<2	1	0.062	0.006	0.007	0.001
08/07/2003	1:30 PM	40	1 of 2	<0.01	0.00	<2	1	0.12	0.00	0.014	0.002
08/07/2003	1:30 PM	40	2 of 2	<0.01	0.00	2	0	0.11	0.00	0.011	0.002
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.50	0.06	<1	0	36	3	3.0	0.3
10/31/2001	2:15 PM	1	2 of 2	0.51	0.06	<1	1	36	2	3.0	0.3
02/13/2002	3:10 PM	10	1 of 2	0.018	0.003	<4	1	0.13	0.01	0.011	0.004
02/13/2002	3:10 PM	10	2 of 2	0.015	0.003	<4	1	0.14	0.00	0.010	0.001
02/13/2002	3:30 PM	35	1of 1	0.018	0.010	<4	1	0.36	0.01	0.027	0.001
04/24/2002	11:10 AM	30	1 of 2	0.019	0.003	<2	1	0.15	0.01	0.014	0.001
04/24/2002	11:10 AM	30	2 of 2	0.023	0.001	<2	1	0.15	0.00	0.015	0.003
08/07/2002	5:00 PM	1	1 of 2	0.057	0.001	<2	1	4.7	0.1	0.34	0.01
08/07/2002	5:00 PM	1	2 of 2	0.051	0.003	<2	0	4.4	0.3	0.34	0.01
11/05/2002	2:50 PM	0	1 of 2	0.32	0.00	<2	2	22	1	1.8	0.1
11/05/2002	2:50 PM	0	2 of 2	0.31	0.00	<2	2	23	0	1.8	0.0
01/30/2003	12:30 PM	10	1 of 2	0.023	0.002	<2	1	0.14	0.00	0.008	0.002
01/30/2003	12:30 PM	10	2 of 2	0.022	0.002	<2	1	0.13	0.00	0.011	0.001
01/30/2003	1:20 PM	38	1 of 2	0.074	0.002	<2	1	3.7	0.1	0.29	0.00
01/30/2003	1:20 PM	38	2 of 2	0.090	0.017	<2	0	3.5	0.1	0.28	0.03
04/17/2003	4:00 PM	40	1 of 2	0.11	0.00	<2	1	5.4	0.1	0.47	0.04
04/17/2003	4:00 PM	40	2 of 2	0.13	0.00	<2	1	5.5	0.5	0.46	0.01
08/07/2003	4:30 PM	1	1 of 2	<0.01	0.00	<2	2	0.26	0.03	0.017	0.005
08/07/2003	4:30 PM	1	2 of 2	<0.01	0.00	<2	0	0.27	0.01	0.019	0.002
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.13	0.02	<2	0	17.7	2.0	1.11	0.02
02/13/2002	2:20 PM	52	1 of 2	0.017	0.003	<4	2	0.33	0.02	0.026	0.002
02/13/2002	2:20 PM	52	2 of 2	0.017	0.001	<4	2	0.34	0.01	0.033	0.000
04/23/2002	1:10 PM	20	1 of 2	0.021	0.004	<2	1	0.079	0.003	0.007	0.003
04/23/2002	1:10 PM	20	2 of 2	0.019	0.001	<2	1	0.079	0.002	0.008	0.001
11/05/2002	2:00 PM	1	1 of 2	0.49	0.00	<2	0	103	4	7.5	0.1
11/05/2002	2:00 PM	1	2 of 2	0.47	0.04	<2	2	106	3	7.1	0.6

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (U)Zn µg/L (01092)		Zirconium (Zr) µg/L (01162)	
				Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)							
Station number 390317121185001							
10/30/2001	5:15 PM	10	1 of 2	4.3	0.1	0.03	0.01
10/30/2001	5:15 PM	10	2 of 2	5.5	0.1	0.03	0.01
02/12/2002	12:00 PM	8	1 of 2	8.6	0.7	0.040	0.007
02/12/2002	12:00 PM	8	2 of 2	9.7	1.5	0.035	0.012
04/22/2002	3:20 PM	10	1 of 2	4.6	0.1	0.04	0.01
04/22/2002	3:20 PM	10	2 of 2	4.9	0.8	0.03	0.01
08/06/2002	4:30 PM	10	1 of 2	10	2	0.008	0.005
08/06/2002	4:30 PM	10	2 of 2	6.9	1.0	0.021	0.013
04/15/2003	10:30 AM	40	1 of 2	14	1	0.06	0.00
04/15/2003	10:30 AM	40	2 of 2	9.2	0.2	0.05	0.01
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)							
Station number 390307121183801							
11/01/2001	8:30 AM	70	1 of 2	9.7	1.5	0.10	0.01
11/01/2001	8:30 AM	70	2 of 2	10	1	0.09	0.01
02/12/2002	11:00 AM	140	1 of 2	9.0	0.3	0.057	0.013
02/12/2002	11:00 AM	140	2 of 2	7.3	0.6	0.055	0.008
04/22/2002	3:00 PM	140	1 of 2	18	15	0.07	0.02
04/22/2002	3:00 PM	140	2 of 2	7.3	0.2	0.04	0.01
08/08/2002	12:00 PM	45	1 of 2	7.3	1.7	0.027	0.011
08/08/2002	12:00 PM	45	2 of 2	9.7	1.5	0.011	0.002
08/08/2002	1:30 PM	113	1 of 2	7.4	0.7	0.013	0.004
08/08/2002	1:30 PM	113	2 of 2	11	1	0.019	0.005
11/04/2002	3:50 PM	10	1 of 2	6.9	0.7	0.088	0.004
11/04/2002	3:50 PM	10	2 of 2	7.8	0.2	0.089	0.004
11/04/2002	3:20 PM	55	1 of 2	7.6	0.7	0.070	0.009
11/04/2002	3:20 PM	55	2 of 2	9.6	0.3	0.070	0.008
01/29/2003	2:30 PM	10	1 of 2	5.2	1.5	0.044	0.016
01/29/2003	2:30 PM	10	2 of 2	4.3	0.5	0.034	0.008
01/28/2003	4:40 PM	140	1 of 2	6.7	0.5	0.050	0.005
01/28/2003	4:40 PM	140	2 of 2	4.1	0.5	0.050	0.005
04/16/2003	4:00 PM	150	1 of 2	8.4	0.4	0.03	0.01
04/16/2003	4:00 PM	150	2 of 2	4.0	0.5	0.02	0.01
08/05/2003	12:30 PM	1	1 of 2	<4	6	<0.02	0.01
08/05/2003	12:30 PM	1	2 of 2	<4	2	<0.02	0.00
08/05/2003	3:30 PM	73	1 of 2	23	1	<0.02	0.01
08/05/2003	3:30 PM	73	2 of 2	11	11	<0.02	0.01
08/05/2003	1:00 PM	120	1 of 2	10	5	0.03	0.01
08/05/2003	1:00 PM	120	2 of 2	<4	1	<0.02	0.01

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (U)Zn µg/L (01092)		Zirconium (Zr) µg/L (01162)	
				Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)							
Station number 390244121171801							
10/29/2001	4:15 PM	6	1 of 2	3.6	0.9	0.02	0.01
10/29/2001	4:15 PM	6	2 of 2	3.8	0.2	<0.01	0.00
02/12/2002	1:30 PM	60	1 of 2	11	0	0.040	0.008
02/12/2002	1:30 PM	60	2 of 2	14	5	0.033	0.009
04/22/2002	1:50 PM	10	1 of 2	7.1	0.8	0.02	0.00
04/22/2002	1:50 PM	10	2 of 2	4.7	1.1	0.03	0.01
04/15/2003	12:40 PM	32	1 of 2	4.9	0.1	0.02	0.01
04/15/2003	12:40 PM	32	2 of 2	4.6	1.0	0.02	0.01
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)							
Station number 390238121173101							
10/29/2001	2:45 PM	50	1 of 2	20	5	0.08	0.01
10/29/2001	2:45 PM	50	2 of 2	11	1	0.08	0.02
02/13/2002	8:30 AM	120	1 of 2	12	1	0.053	0.008
02/13/2002	8:30 AM	120	2 of 2	17	0	0.052	0.010
04/22/2002	12:20 PM	120	1 of 2	8.8	0.7	0.06	0.01
04/22/2002	12:20 PM	120	2 of 2	9.2	0.1	0.10	0.01
08/07/2002	12:10 PM	10	1 of 2	8.0	2.8	0.014	0.003
08/07/2002	12:10 PM	10	2 of 2	9.9	1.0	0.034	0.002
08/07/2002	12:40 PM	47	1 of 2	17	3	0.021	0.008
08/07/2002	12:40 PM	47	2 of 2	18	1	0.023	0.004
08/08/2002	2:50 PM	80	1 of 2	12	1	0.032	0.004
08/08/2002	2:50 PM	80	2 of 2	5.7	0.2	0.025	0.005
11/05/2002	2:30 PM	10	1 of 2	11	0	0.055	0.006
11/05/2002	2:30 PM	10	2 of 2	6.8	0.9	0.065	0.017
11/05/2002	2:10 PM	30	1 of 2	14	2	0.11	0.03
11/05/2002	2:10 PM	30	2 of 2	19	0	0.12	0.01
01/29/2003	2:00 PM	10	1 of 2	14	2	0.039	0.006
01/29/2003	2:00 PM	10	2 of 2	5.0	0.3	0.039	0.010
01/28/2003	3:30 PM	120	1 of 2	4.5	0.8	0.048	0.007
01/28/2003	3:30 PM	120	2 of 2	4.2	0.4	0.046	0.011
04/17/2003	10:30 AM	125	1 of 2	4.4	0.4	0.04	0.02
04/17/2003	10:30 AM	125	2 of 2	5.4	0.7	0.03	0.01
08/07/2003	11:30 AM	1	1 of 2	<4	3	<0.02	0.00
08/07/2003	11:30 AM	1	2 of 2	<4	2	0.04	0.01
08/07/2003	11:50 AM	100	1 of 2	<4	3	0.03	0.01
08/07/2003	11:50 AM	100	2 of 2	10	2	0.03	0.01

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (U)Zn µg/L (01092)		Zirconium (Zr) µg/L (01162)	
				Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)							
Station number 390202121162201							
10/31/2001	10:15 AM	12	1 of 2	6.4	0.6	0.02	0.00
10/31/2001	10:15 AM	12	2 of 2	6.3	0.8	<0.01	0.00
02/13/2002	9:00 AM	80	1 of 2	6.1	0.1	0.064	0.005
02/13/2002	9:00 AM	80	2 of 2	6.1	0.1	0.057	0.014
04/22/2002	10:40 AM	80	1 of 2	10	2	0.05	0.01
04/22/2002	10:40 AM	80	2 of 2	9.5	0.9	0.05	0.01
08/06/2002	5:50 PM	10	1 of 2	4.4	0.0	0.014	0.005
08/06/2002	5:50 PM	10	2 of 2	4.4	1.2	0.030	0.012
08/06/2002	6:20 PM	55	1 of 2	7.7	2.2	0.026	0.009
08/06/2002	6:20 PM	55	2 of 2	18	16	0.025	0.003
11/05/2002	4:10 PM	7	1 of 2	20	1	0.15	0.01
11/05/2002	4:10 PM	7	2 of 2	12	0	0.083	0.011
01/29/2003	1:20 PM	10	1 of 2	3.4	0.2	0.044	0.015
01/29/2003	1:20 PM	10	2 of 2	4.2	1.6	0.052	0.015
01/28/2003	2:50 PM	85	1 of 2	2.6	0.2	0.038	0.010
01/28/2003	2:50 PM	85	2 of 2	5.4	1.3	0.084	0.000
04/17/2003	11:30 AM	90	1 of 2	8.1	0.6	0.04	0.01
04/17/2003	11:30 AM	90	2 of 2	6.6	1.2	0.03	0.00
08/07/2003	10:00 AM	1	1 of 2	<4	4	<0.02	0.00
08/07/2003	10:00 AM	1	2 of 2	19	13	<0.02	0.01
08/06/2003	3:00 PM	100	1 of 2	11	3	0.10	0.01
08/06/2003	3:00 PM	100	2 of 2	5	1	0.08	0.02
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)							
Station number 390159121171401							
10/31/2001	1:00 PM	4	1 of 2	24	1	<0.01	0.01
10/31/2001	1:00 PM	4	2 of 2	25	0	0.02	0.01
02/13/2002	1:00 PM	20	1 of 2	11	1	0.054	0.007
02/13/2002	1:00 PM	20	2 of 2	9.6	0.0	0.038	0.002
04/23/2002	12:10 PM	20	1 of 2	11	4	0.02	0.01
04/23/2002	12:10 PM	20	2 of 2	8.1	0.3	0.02	0.00
08/07/2002	6:50 PM	57	1 of 2	28	8	0.031	0.009
08/07/2002	6:50 PM	57	2 of 2	23	1	0.028	0.004
01/30/2003	3:30 PM	55	1 of 2	12	0	0.038	0.003
01/30/2003	3:30 PM	55	2 of 2	11	0	0.038	0.009
04/17/2003	2:30 PM	55	1 of 2	30	0	0.03	0.00
04/17/2003	2:30 PM	55	2 of 2	28	0	0.04	0.01
08/07/2003	4:00 PM	1	1 of 2	19	1	0.04	0.05
08/07/2003	4:00 PM	1	2 of 2	17	1	<0.02	0.00

Table G3. Concentrations of trace metals and selected major elements in unfiltered water samples, Camp Far West Reservoir, California—*Continued*.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Avg, average; thalweg, former river channel (low elevation path); ft, feet; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); s.d., standard deviation; <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (U)Zn µg/L (01092)		Zirconium (Zr) µg/L (01162)	
				Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)							
Station number 390331121174101							
08/07/2002	3:40 PM	10	1 of 2	5.4	0.7	0.018	0.010
08/07/2002	3:40 PM	10	2 of 2	4.3	0.7	0.034	0.012
04/17/2003	1:20 PM	80	1 of 2	4.3	0.6	0.03	0.01
04/17/2003	1:20 PM	80	2 of 2	5.4	0.5	0.03	0.01
08/07/2003	1:00 PM	1	1 of 2	<4	2	<0.02	0.01
08/07/2003	1:00 PM	1	2 of 2	19	7	<0.02	0.00
08/07/2003	1:30 PM	40	1 of 2	39	38	<0.02	0.01
08/07/2003	1:30 PM	40	2 of 2	<4	2	<0.02	0.00
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)							
Station number 390148121171701							
10/31/2001	2:15 PM	1	1 of 2	5,222	423	<0.01	0.01
10/31/2001	2:15 PM	1	2 of 2	5,220	259	0.03	0.02
02/13/2002	3:10 PM	10	1 of 2	13	1	0.036	0.010
02/13/2002	3:10 PM	10	2 of 2	11	1	0.041	0.012
02/13/2002	3:30 PM	35	1of 1	72	1	0.044	0.003
04/24/2002	11:10 AM	30	1 of 2	29	2	0.04	0.01
04/24/2002	11:10 AM	30	2 of 2	32	1	0.04	0.01
08/07/2002	5:00 PM	1	1 of 2	961	110	0.026	0.009
08/07/2002	5:00 PM	1	2 of 2	995	16	0.039	0.002
11/05/2002	2:50 PM	0	1 of 2	2,910	10	0.034	0.003
11/05/2002	2:50 PM	0	2 of 2	2,970	97	0.049	0.020
01/30/2003	12:30 PM	10	1 of 2	11	2	0.058	0.019
01/30/2003	12:30 PM	10	2 of 2	12	1	0.036	0.015
01/30/2003	1:20 PM	38	1 of 2	720	12	0.021	0.013
01/30/2003	1:20 PM	38	2 of 2	729	51	0.084	0.015
04/17/2003	4:00 PM	40	1 of 2	794	38	<0.02	0.01
04/17/2003	4:00 PM	40	2 of 2	753	16	0.02	0.01
08/07/2003	4:30 PM	1	1 of 2	243	23	<0.02	0.01
08/07/2003	4:30 PM	1	2 of 2	261	0	0.03	0.03
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)							
Station number 390152121171001							
10/31/2001	2:40 PM	1	1of 1	7,720	59	<0.02	0.02
02/13/2002	2:20 PM	52	1 of 2	53	1	0.045	0.002
02/13/2002	2:20 PM	52	2 of 2	53	1	0.048	0.002
04/23/2002	1:10 PM	20	1 of 2	7.5	0.2	0.03	0.01
04/23/2002	1:10 PM	20	2 of 2	11	7	0.03	0.00
11/05/2002	2:00 PM	1	1 of 2	37,000	2,202	0.056	0.002
11/05/2002	2:00 PM	1	2 of 2	37,800	363	0.060	0.000

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California.

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. Thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equivalent to part per million); <, less than]

Date	Time	Depth (feet)	Replicate	Aluminum (Al) µg/L (01105)		Arsenic (As) µg/L (01000)		Boron (B) µg/L (01020)		Barium (Ba) µg/L (01005)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	1.3	0.0	0.91	0.03	8	1	21	1
10/30/2001	5:15 PM	10	2 of 2	1.3	0.1	0.92	0.02	8	1	22	0
02/12/2002	12:00 PM	8	1 of 2	7.0	0.4	0.58	0.02	8	1	15	0
02/12/2002	12:00 PM	8	2 of 2	7.0	0.5	0.58	0.02	7	1	16	1
04/22/2002	3:20 PM	10	1 of 2	4.3	0.1	0.49	0.01	5.3	0.1	14	0
04/22/2002	3:20 PM	10	2 of 2	4.4	0.2	0.49	0.01	5.5	0.4	13	0
08/06/2002	4:30 PM	10	1 of 2	2.2	0.2	0.56	0.03	5.3	0.9	11	0
08/06/2002	4:30 PM	10	2 of 2	2.5	0.0	0.57	0.00	5.4	0.8	11	0
04/15/2003	10:30 AM	40	1 of 2	5.7	0.2	0.43	0.02	5.8	0.8	12	0
04/15/2003	10:30 AM	40	2 of 2	5.8	0.2	0.42	0.02	5.5	0.4	12	0
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	1.2	0.1	2.3	0.0	6	0	26	0
11/01/2001	8:30 AM	70	2 of 2	1.3	0.0	2.5	0.0	7	0	28	1
02/12/2002	11:00 AM	140	1 of 2	6.3	0.1	0.51	0.01	5.8	0.4	16	1
02/12/2002	11:00 AM	140	2 of 2	6.5	0.2	0.52	0.00	6.8	0.8	17	0
04/22/2002	3:00 PM	140	1 of 2	6.3	0.2	0.46	0.01	5.6	0.1	15	0
04/22/2002	3:00 PM	140	2 of 2	6.0	0.1	0.48	0.01	5.4	0.2	15	0
08/08/2002	12:00 PM	45	1 of 2	1.6	0.1	0.58	0.01	4.2	0.5	13	0
08/08/2002	12:00 PM	45	2 of 2	1.3	0.1	0.55	0.02	4.3	0.5	13	0
08/08/2002	1:30 PM	113	1 of 2	1.0	0.1	0.41	0.02	4.8	0.1	10	0
08/08/2002	1:30 PM	113	2 of 2	1.0	0.0	0.42	0.01	5.0	0.4	11	0
11/04/2002	3:50 PM	10	1 of 2	0.91	0.00	0.68	0.02	7.4	0.4	25	0
11/04/2002	3:50 PM	10	2 of 2	0.95	0.06	0.64	0.01	6.6	0.2	25	0
11/04/2002	3:20 PM	55	1 of 2	1.6	0.1	0.80	0.03	6.8	0.2	21	1
11/04/2002	3:20 PM	55	2 of 2	2.0	0.1	0.83	0.03	8.0	1.2	20	1
01/29/2003	2:30 PM	10	1 of 2	6.1	0.1	0.53	0.01	6.4	0.0	13	0
01/29/2003	2:30 PM	10	2 of 2	6.0	0.1	0.54	0.02	6.4	0.3	13	0
01/28/2003	4:40 PM	140	1 of 2	4.4	0.0	0.45	0.02	4.5	0.4	12	0
01/28/2003	4:40 PM	140	2 of 2	4.3	0.0	0.45	0.03	4.4	0.2	12	0
04/16/2003	4:00 PM	150	1 of 2	4.1	0.4	0.43	0.01	4.2	0.3	12	0
04/16/2003	4:00 PM	150	2 of 2	4.5	0.0	0.42	0.03	4.3	0.9	12	0
08/05/2003	12:30 PM	1	1 of 2	2.5	0.1	0.53	0.04	4.9	0.1	10	0
08/05/2003	12:30 PM	1	2 of 2	2.4	0.2	0.52	0.01	4.6	0.5	11	0
08/05/2003	1:00 PM	120	1 of 2	0.91	0.21	0.60	0.02	4.7	0.6	11	0
08/05/2003	1:00 PM	120	2 of 2	0.86	0.25	0.61	0.02	4.6	0.4	12	0
08/05/2003	3:30 PM	73	1 of 2	1.4	0.2	0.41	0.02	4.7	0.8	15	0
08/05/2003	3:30 PM	73	2 of 2	1.3	0.2	0.41	0.02	4.0	0.1	15	0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (feet)	Replicate	Aluminum (Al) µg/L (01105)		Arsenic (As) µg/L (01000)		Boron (B) µg/L (01020)		Barium (Ba) µg/L (01005)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	1.6	0.2	0.98	0.02	9	0	20	0
10/29/2001	4:15 PM	6	2 of 2	1.4	0.1	0.98	0.01	9	0	20	1
02/12/2002	1:30 PM	60	1 of 2	7.9	0.1	0.57	0.02	7	1	16	0
02/12/2002	1:30 PM	60	2 of 2	8.1	0.5	0.58	0.02	7	1	16	0
04/22/2002	1:50 PM	10	1 of 2	5.1	0.1	0.51	0.01	5.3	0.1	14	0
04/22/2002	1:50 PM	10	2 of 2	5.1	0.3	0.51	0.01	5.5	0.1	14	0
04/15/2003	12:40 PM	32	1 of 2	7.5	0.5	0.44	0.03	4.9	0.5	13	0
04/15/2003	12:40 PM	32	2 of 2	7.4	0.2	0.45	0.01	5.0	0.5	12	0
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	1.6	0.1	1.4	0.0	7	1	24	0
10/29/2001	2:45 PM	50	2 of 2	1.5	0.2	1.4	0.0	7	1	23	0
02/13/2002	8:30 AM	120	1 of 2	6.4	0.3	0.51	0.01	6	1	15	0
02/13/2002	8:30 AM	120	2 of 2	6.4	0.4	0.52	0.01	6	2	16	0
04/22/2002	12:20 PM	120	1 of 2	5.6	0.1	0.47	0.01	5.4	0.4	15	0
04/22/2002	12:20 PM	120	2 of 2	5.4	0.0	0.48	0.00	5.4	0.2	15	0
08/07/2002	12:10 PM	10	1 of 2	3.3	0.1	0.62	0.02	5.2	0.2	12	0
08/07/2002	12:10 PM	10	2 of 2	3.1	0.1	0.65	0.00	4.9	0.1	12	0
08/07/2002	12:40 PM	47	1 of 2	1.9	0.1	0.82	0.02	4.3	0.1	14	0
08/07/2002	12:40 PM	47	2 of 2	1.9	0.1	0.80	0.02	4.3	0.3	14	1
08/08/2002	2:50 PM	80	1 of 2	1.5	0.0	0.41	0.01	4.6	0.2	14	0
08/08/2002	2:50 PM	80	2 of 2	1.5	0.1	0.40	0.01	4.4	0.0	14	0
11/05/2002	2:30 PM	10	1 of 2	1.2	0.3	1.3	0.1	9.3	2.6	19	1
11/05/2002	2:30 PM	10	2 of 2	1.1	0.1	1.3	0.0	7.9	0.5	19	1
11/05/2002	2:10 PM	30	1 of 2	1.6	0.2	1.7	0.0	7.7	0.4	22	0
11/05/2002	2:10 PM	30	2 of 2	1.4	0.1	1.6	0.1	8.2	0.8	22	0
01/29/2003	2:00 PM	10	1 of 2	6.7	0.1	0.50	0.02	6.2	0.7	12	0
01/29/2003	2:00 PM	10	2 of 2	6.9	0.0	0.48	0.01	5.6	0.2	12	0
01/28/2003	3:30 PM	120	1 of 2	5.4	0.2	0.44	0.03	4.6	0.4	12	0
01/28/2003	3:30 PM	120	2 of 2	5.0	0.1	0.45	0.02	5.1	1.0	12	0
04/17/2003	10:30 AM	125	1 of 2	3.4	0.1	0.44	0.03	4.4	0.6	13	0
04/17/2003	10:30 AM	125	2 of 2	3.4	0.1	0.45	0.02	4.9	0.1	13	0
08/07/2003	11:30 AM	1	1 of 2	4.1	0.1	0.55	0.02	4.7	0.2	11	0
08/07/2003	11:30 AM	1	2 of 2	3.8	0.2	0.54	0.03	4.8	0.4	11	0
08/07/2003	11:50 AM	100	1 of 2	0.95	0.23	0.45	0.01	4.8	0.3	12	0
08/07/2003	11:50 AM	100	2 of 2	0.85	0.29	0.46	0.01	4.9	0.6	12	0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (feet)	Replicate	Aluminum (Al) µg/L (01105)		Arsenic (As) µg/L (01000)		Boron (B) µg/L (01020)		Barium (Ba) µg/L (01005)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	1.8	0.1	2.2	0.0	9	0	22	0
10/31/2001	10:15 AM	12	2 of 2	1.9	0.1	2.1	0.0	9	1	22	0
02/13/2002	9:00 AM	80	1 of 2	4.3	0.1	0.50	0.02	5	1	15	1
02/13/2002	9:00 AM	80	2 of 2	4.1	0.4	0.51	0.01	6	0	15	1
04/22/2002	10:40 AM	80	1 of 2	5.3	0.2	0.51	0.01	5.1	0.2	15	0
04/22/2002	10:40 AM	80	2 of 2	5.6	0.0	0.52	0.01	5.3	0.1	15	0
08/06/2002	5:50 PM	10	1 of 2	2.4	0.1	0.67	0.01	5.3	0.4	13	0
08/06/2002	5:50 PM	10	2 of 2	2.6	0.1	0.66	0.02	4.9	0.0	13	0
08/06/2002	6:20 PM	55	1 of 2	1.1	0.0	2.1	0.0	5.3	1.1	14	0
08/06/2002	6:20 PM	55	2 of 2	1.1	0.1	2.1	0.1	5.9	0.4	15	0
11/05/2002	4:10 PM	7	1 of 2	3.8	0.4	1.8	0.0	7.9	0.2	20	1
11/05/2002	4:10 PM	7	2 of 2	3.3	0.0	1.7	0.1	7.9	0.2	19	0
01/29/2003	1:20 PM	10	1 of 2	5.3	0.1	0.44	0.02	3.7	0.2	12	0
01/29/2003	1:20 PM	10	2 of 2	5.6	0.2	0.43	0.01	4.3	0.7	12	0
01/28/2003	2:50 PM	85	1 of 2	5.1	0.1	0.50	0.01	4.7	0.4	12	0
01/28/2003	2:50 PM	85	2 of 2	5.0	0.0	0.48	0.02	4.5	0.3	12	0
04/17/2003	11:30 AM	90	1 of 2	4.7	0.0	0.50	0.03	5.3	0.4	13	0
04/17/2003	11:30 AM	90	2 of 2	4.6	0.1	0.47	0.00	5.3	0.5	13	0
08/07/2003	10:00 AM	1	1 of 2	4.8	0.1	0.65	0.02	5.0	0.5	13	1
08/07/2003	10:00 AM	1	2 of 2	4.7	0.0	0.66	0.01	5.0	0.1	13	0
08/06/2003	3:00 PM	100	1 of 2	0.81	0.06	0.74	0.03	4.7	0.2	22	1
08/06/2003	3:00 PM	100	2 of 2	0.67	0.15	0.72	0.02	4.5	0.2	22	0
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	7.9	4.6	0.91	0.03	7	0	21	0
10/31/2001	1:00 PM	4	2 of 2	3.6	0.2	0.97	0.04	8	1	22	0
02/13/2002	1:00 PM	20	1 of 2	12	0	0.55	0.02	7	0	16	0
02/13/2002	1:00 PM	20	2 of 2	12	0	0.54	0.01	7	1	16	0
04/23/2002	12:10 PM	20	1 of 2	14	0	0.51	0.02	5.5	0.1	14	0
04/23/2002	12:10 PM	20	2 of 2	13	0	0.50	0.02	5.2	0.2	14	0
08/07/2002	6:50 PM	57	1 of 2	2.8	0.1	1.1	0.0	7.0	0.6	14	0
08/07/2002	6:50 PM	57	2 of 2	2.9	0.2	1.1	0.0	5.8	1.8	15	0
01/30/2003	3:30 PM	55	1 of 2	9.9	0.1	0.41	0.01	5.5	0.8	12	0
01/30/2003	3:30 PM	55	2 of 2	10.0	0.2	0.43	0.02	6.2	1.1	12	0
04/17/2003	2:30 PM	55	1 of 2	18	0	0.44	0.03	4.7	0.3	13	0
04/17/2003	2:30 PM	55	2 of 2	17	0	0.43	0.03	5.7	1.2	13	0
08/07/2003	4:00 PM	1	1 of 2	36	0	0.54	0.01	4.9	0.3	12	0
08/07/2003	4:00 PM	1	2 of 2	36	0	0.55	0.02	5.1	0.3	12	0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (feet)	Replicate	Aluminum (Al) µg/L (01105)		Arsenic (As) µg/L (01000)		Boron (B) µg/L (01020)		Barium (Ba) µg/L (01005)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	1.9	0.2	0.58	0.00	5.1	0.3	11	0
08/07/2002	3:40 PM	10	2 of 2	1.7	0.1	0.57	0.01	4.8	0.3	11	0
04/17/2003	1:20 PM	80	1 of 2	4.1	0.2	0.47	0.03	4.6	0.2	13	0
04/17/2003	1:20 PM	80	2 of 2	4.1	0.1	0.49	0.02	4.8	0.3	13	0
08/07/2003	1:00 PM	1	1 of 2	1.6	0.2	0.54	0.02	4.6	0.5	10	0
08/07/2003	1:00 PM	1	2 of 2	1.6	0.2	0.53	0.02	4.6	0.4	11	0
08/07/2003	1:30 PM	40	1 of 2	0.43	0.20	0.48	0.03	3.8	0.4	13	0
08/07/2003	1:30 PM	40	2 of 2	0.45	0.20	0.47	0.01	4.0	0.3	13	0
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	30,000	0	0.69	0.01	8	0	32	0
10/31/2001	2:15 PM	1	2 of 2	31,000	1000	0.71	0.01	9	0	33	0
02/13/2002	3:10 PM	10	1 of 2	13	0	0.53	0.02	7.8	2.0	14	0
02/13/2002	3:10 PM	10	2 of 2	14	1	0.53	0.01	6.7	1.1	15	0
02/13/2002	3:30 PM	35	1 of 1	18	1	0.25	0.01	10	5	14	0
04/24/2002	11:10 AM	30	1 of 2	16	0	0.42	0.01	4.3	0.5	17	0
04/24/2002	11:10 AM	30	2 of 2	16	0	0.42	0.01	4.4	0.3	17	0
08/07/2002	5:00 PM	1	1 of 2	3,050	56	0.18	0.02	7.4	0.7	60	1
08/07/2002	5:00 PM	1	2 of 2	3,110	1	0.18	0.01	7.2	0.4	62	0
11/05/2002	2:50 PM	0	1 of 2	19,000	172	0.26	0.01	13	0	36	0
11/05/2002	2:50 PM	0	2 of 2	18,900	83	0.24	0.01	13	1	36	1
01/30/2003	12:30 PM	10	1 of 2	16	0	0.51	0.04	7.3	1.6	13	0
01/30/2003	12:30 PM	10	2 of 2	16	0	0.49	0.02	5.9	0.4	13	0
01/30/2003	1:20 PM	38	1 of 2	2,520	28	0.13	0.01	6.9	0.4	31	0
01/30/2003	1:20 PM	38	2 of 2	2,530	3	0.13	0.01	7.0	0.4	31	0
04/17/2003	4:00 PM	40	1 of 2	4,070	96	0.12	0.01	4.1	0.3	23	0
04/17/2003	4:00 PM	40	2 of 2	3,970	16	0.11	0.01	4.1	0.2	23	0
08/07/2003	4:30 PM	1	1 of 2	5.4	0.2	0.30	0.00	5.5	0.2	52	2
08/07/2003	4:30 PM	1	2 of 2	5.6	0.0	0.31	0.01	5.7	0.3	53	0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1 of 1	3,300	0	0.68	0.02	11	1	31	1
02/13/2002	2:20 PM	52	1 of 2	20	0	0.32	0.01	6.2	0.1	15	0
02/13/2002	2:20 PM	52	2 of 2	21	0	0.30	0.01	6.5	0.4	15	1
04/23/2002	1:10 PM	20	1 of 2	11	0	0.50	0.01	5.3	0.3	14	0
04/23/2002	1:10 PM	20	2 of 2	11	0	0.50	0.00	5.3	0.3	14	0
11/05/2002	2:00 PM	1	1 of 2	30,100	27	0.31	0.02	13	0	24	0
11/05/2002	2:00 PM	1	2 of 2	30,500	16	0.37	0.06	13	0	25	1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (01010)		Bismuth (Bi) µg/L (01015)		Calcium (Ca) µg/L (00915)		Cadmium (Cd) µg/L (01025)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	<0.005	0.005	<0.0008	0.0006	13	1	0.0077	0.0059
10/30/2001	5:15 PM	10	2 of 2	0.007	0.000	<0.0008	0.0007	13	0	0.0074	0.0037
02/12/2002	12:00 PM	8	1 of 2	<0.006	0.002	0.0076	0.0095	9.4	0.1	<0.004	0.002
02/12/2002	12:00 PM	8	2 of 2	<0.006	0.001	<0.0009	0.0004	9.2	0.2	<0.004	0.003
04/22/2002	3:20 PM	10	1 of 2	<0.006	0.001	0.002	0.003	7.8	0.0	0.006	0.001
04/22/2002	3:20 PM	10	2 of 2	<0.006	0.002	0.002	0.002	7.9	0.0	0.006	0.001
08/06/2002	4:30 PM	10	1 of 2	<0.008	0.003	<0.002	0.000	7.6	0.1	0.003	0.000
08/06/2002	4:30 PM	10	2 of 2	<0.008	0.004	0.004	0.005	7.6	0.1	0.004	0.001
04/15/2003	10:30 AM	40	1 of 2	<0.007	0.003	0.0024	0.0026	7.1	0.1	0.008	0.002
04/15/2003	10:30 AM	40	2 of 2	<0.007	0.002	0.0028	0.0012	7.1	0.1	0.006	0.000
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	<0.005	0.002	<0.0008	0.0001	11	0	0.012	0.002
11/01/2001	8:30 AM	70	2 of 2	<0.005	0.002	0.0011	0.0017	12	0	0.0099	0.0058
02/12/2002	11:00 AM	140	1 of 2	<0.006	0.001	<0.0009	0.0005	8.5	0.1	<0.004	0.002
02/12/2002	11:00 AM	140	2 of 2	<0.006	0.003	0.0009	0.0005	8.7	0.0	<0.004	0.001
04/22/2002	3:00 PM	140	1 of 2	<0.006	0.002	0.003	0.001	8.1	0.1	0.008	0.003
04/22/2002	3:00 PM	140	2 of 2	<0.006	0.003	0.002	0.002	8.1	0.0	0.011	0.002
08/08/2002	12:00 PM	45	1 of 2	<0.008	0.005	<0.002	0.000	6.7	0.0	0.017	0.001
08/08/2002	12:00 PM	45	2 of 2	<0.008	0.002	<0.002	0.001	6.6	0.1	0.017	0.001
08/08/2002	1:30 PM	113	1 of 2	<0.008	0.007	0.002	0.002	8.2	0.1	0.002	0.001
08/08/2002	1:30 PM	113	2 of 2	<0.008	0.003	<0.002	0.002	8.2	0.0	0.001	0.001
11/04/2002	3:50 PM	10	1 of 2	<0.007	0.000	0.005	0.004	11	0	0.010	0.000
11/04/2002	3:50 PM	10	2 of 2	<0.007	0.005	0.002	0.003	11	0	0.008	0.002
11/04/2002	3:20 PM	55	1 of 2	<0.007	0.005	0.001	0.002	11	0	0.010	0.003
11/04/2002	3:20 PM	55	2 of 2	<0.007	0.006	0.013	0.015	11	0	0.006	0.001
01/29/2003	2:30 PM	10	1 of 2	<0.003	0.001	0.0011	0.0008	7.7	0.1	0.006	0.000
01/29/2003	2:30 PM	10	2 of 2	0.004	0.001	0.0010	0.0013	7.8	0.1	0.006	0.001
01/28/2003	4:40 PM	140	1 of 2	<0.003	0.004	<0.0007	0.0009	6.3	0.0	0.006	0.001
01/28/2003	4:40 PM	140	2 of 2	0.005	0.003	<0.0007	0.0002	6.2	0.0	0.007	0.000
04/16/2003	4:00 PM	150	1 of 2	<0.007	0.003	0.0007	0.0010	6.6	0.1	0.008	0.000
04/16/2003	4:00 PM	150	2 of 2	<0.007	0.002	<0.0005	0.0006	6.7	0.1	0.011	0.000
08/05/2003	12:30 PM	1	1 of 2	<0.004	0.002	<0.0008	0.0002	6.8	0.3	<0.003	0.003
08/05/2003	12:30 PM	1	2 of 2	<0.004	0.003	<0.0008	0.0004	6.9	0.1	<0.003	0.001
08/05/2003	3:30 PM	73	1 of 2	<0.004	0.002	<0.0008	0.0003	6.7	0.1	0.008	0.000
08/05/2003	3:30 PM	73	2 of 2	<0.004	0.001	<0.0008	0.0004	6.5	0.1	0.009	0.001
08/05/2003	1:00 PM	120	1 of 2	<0.004	0.004	<0.0008	0.0004	7.5	0.2	0.018	0.002
08/05/2003	1:00 PM	120	2 of 2	<0.004	0.001	<0.0008	0.0005	7.5	0.3	0.017	0.002

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (01010)		Bismuth (Bi) µg/L (01015)		Calcium (Ca) µg/L (00915)		Cadmium (Cd) µg/L (01025)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	<0.005	0.002	<0.0008	0.0008	13	0	0.0048	0.0018
10/29/2001	4:15 PM	6	2 of 2	<0.005	0.004	<0.0008	0.0001	12	0	0.0055	0.0012
02/12/2002	1:30 PM	60	1 of 2	<0.006	0.001	0.0021	0.0012	9.2	0.6	<0.004	0.002
02/12/2002	1:30 PM	60	2 of 2	<0.006	0.004	<0.0009	0.0010	9.3	0.2	<0.004	0.004
04/22/2002	1:50 PM	10	1 of 2	<0.006	0.003	<0.001	0.001	7.7	0.0	0.005	0.001
04/22/2002	1:50 PM	10	2 of 2	<0.006	0.005	0.002	0.001	7.7	0.0	0.006	0.003
04/15/2003	12:40 PM	32	1 of 2	<0.007	0.001	0.0008	0.0003	7.1	0.1	0.008	0.002
04/15/2003	12:40 PM	32	2 of 2	<0.007	0.003	0.0020	0.0023	7.0	0.1	0.006	0.001
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	<0.005	0.003	<0.0008	0.0015	13	0	0.022	0.001
10/29/2001	2:45 PM	50	2 of 2	<0.005	0.000	<0.0008	0.0002	12	0	0.031	0.025
02/13/2002	8:30 AM	120	1 of 2	<0.006	0.002	0.0013	0.0016	8.1	0.4	0.056	0.003
02/13/2002	8:30 AM	120	2 of 2	<0.006	0.000	<0.0009	0.0004	7.9	0.6	0.055	0.002
04/22/2002	12:20 PM	120	1 of 2	<0.006	0.001	0.002	0.002	8.0	0.0	0.011	0.001
04/22/2002	12:20 PM	120	2 of 2	<0.006	0.004	<0.001	0.002	8.1	0.1	0.012	0.003
08/07/2002	12:10 PM	10	1 of 2	<0.008	0.003	<0.002	0.000	7.7	0.1	0.004	0.001
08/07/2002	12:10 PM	10	2 of 2	<0.008	0.003	<0.002	0.002	7.8	0.1	0.004	0.000
08/07/2002	12:40 PM	47	1 of 2	<0.008	0.004	<0.002	0.001	7.0	0.0	0.048	0.001
08/07/2002	12:40 PM	47	2 of 2	<0.008	0.002	<0.002	0.000	7.0	0.0	0.048	0.003
08/08/2002	2:50 PM	80	1 of 2	<0.008	0.000	<0.002	0.001	8.1	0.0	0.004	0.000
08/08/2002	2:50 PM	80	2 of 2	<0.008	0.002	<0.002	0.001	8.0	0.0	0.004	0.001
11/05/2002	2:30 PM	10	1 of 2	<0.007	0.001	0.003	0.001	11	0	0.008	0.005
11/05/2002	2:30 PM	10	2 of 2	<0.007	0.002	0.002	0.000	11	0	0.005	0.003
11/05/2002	2:10 PM	30	1 of 2	<0.007	0.003	0.003	0.004	12	0	0.011	0.002
11/05/2002	2:10 PM	30	2 of 2	<0.007	0.002	<0.001	0.002	12	0	0.010	0.001
01/29/2003	2:00 PM	10	1 of 2	<0.003	0.002	<0.0007	0.0002	7.1	0.1	0.006	0.000
01/29/2003	2:00 PM	10	2 of 2	<0.003	0.003	<0.0007	0.0003	7.1	0.1	0.006	0.001
01/28/2003	3:30 PM	120	1 of 2	0.005	0.002	0.0027	0.0009	6.2	0.0	0.008	0.001
01/28/2003	3:30 PM	120	2 of 2	<0.003	0.001	0.0031	0.0000	6.2	0.1	0.007	0.001
04/17/2003	10:30 AM	125	1 of 2	<0.007	0.002	0.0015	0.0014	6.9	0.1	0.012	0.002
04/17/2003	10:30 AM	125	2 of 2	<0.007	0.002	0.0016	0.0021	6.8	0.1	0.010	0.001
08/07/2003	11:30 AM	1	1 of 2	<0.004	0.002	<0.0008	0.0004	6.8	0.1	0.004	0.001
08/07/2003	11:30 AM	1	2 of 2	<0.004	0.001	0.0010	0.0011	6.7	0.1	<0.003	0.001
08/07/2003	11:50 AM	100	1 of 2	0.004	0.003	<0.0008	0.0006	7.7	0.2	0.033	0.001
08/07/2003	11:50 AM	100	2 of 2	<0.004	0.000	0.0011	0.0017	7.8	0.3	0.038	0.003

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (01010)		Bismuth (Bi) µg/L (01015)		Calcium (Ca) µg/L (00915)		Cadmium (Cd) µg/L (01025)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	<0.005	0.002	<0.0008	0.0008	13	0	0.0063	0.0021
10/31/2001	10:15 AM	12	2 of 2	<0.005	0.004	<0.0008	0.0016	12	1	0.0076	0.0022
02/13/2002	9:00 AM	80	1 of 2	<0.006	0.002	<0.0009	0.0008	7.3	0.2	<0.004	0.001
02/13/2002	9:00 AM	80	2 of 2	<0.006	0.002	0.0011	0.0013	7.3	0.3	<0.004	0.001
04/22/2002	10:40 AM	80	1 of 2	<0.006	0.000	0.002	0.000	7.3	0.0	0.009	0.001
04/22/2002	10:40 AM	80	2 of 2	<0.006	0.004	0.003	0.001	7.2	0.0	0.010	0.000
08/06/2002	5:50 PM	10	1 of 2	<0.008	0.002	<0.002	0.001	7.9	0.1	0.003	0.001
08/06/2002	5:50 PM	10	2 of 2	<0.008	0.001	0.003	0.002	7.8	0.3	0.003	0.001
08/06/2002	6:20 PM	55	1 of 2	<0.008	0.002	<0.002	0.001	8.0	0.0	0.010	0.001
08/06/2002	6:20 PM	55	2 of 2	<0.008	0.002	<0.002	0.002	7.9	0.1	0.010	0.001
11/05/2002	4:10 PM	7	1 of 2	<0.007	0.004	0.005	0.004	12	0	0.007	0.001
11/05/2002	4:10 PM	7	2 of 2	<0.007	0.001	0.002	0.001	12	0	0.006	0.001
01/29/2003	1:20 PM	10	1 of 2	<0.003	0.004	<0.0007	0.0003	6.1	0.0	0.003	0.001
01/29/2003	1:20 PM	10	2 of 2	<0.003	0.003	<0.0007	0.0003	6.1	0.0	0.005	0.001
01/28/2003	2:50 PM	85	1 of 2	0.005	0.002	0.017	0.000	6.3	0.0	0.008	0.001
01/28/2003	2:50 PM	85	2 of 2	<0.003	0.002	<0.0007	0.0006	6.4	0.1	0.007	0.000
04/17/2003	11:30 AM	90	1 of 2	<0.007	0.001	0.0011	0.0010	6.9	0.1	0.008	0.000
04/17/2003	11:30 AM	90	2 of 2	<0.007	0.002	0.0007	0.0001	7.0	0.2	0.008	0.001
08/07/2003	10:00 AM	1	1 of 2	<0.004	0.001	<0.0008	0.0003	7.4	0.1	0.007	0.001
08/07/2003	10:00 AM	1	2 of 2	<0.004	0.001	0.0016	0.0017	7.2	0.1	0.006	0.002
08/06/2003	3:00 PM	100	1 of 2	<0.004	0.002	0.0010	0.0006	8.0	0.3	0.008	0.001
08/06/2003	3:00 PM	100	2 of 2	<0.004	0.000	<0.0008	0.0005	8.1	0.5	0.007	0.000
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	<0.005	0.001	<0.0008	0.0009	12	0	0.057	0.005
10/31/2001	1:00 PM	4	2 of 2	<0.005	0.008	<0.0008	0.0008	13	0	0.055	0.000
02/13/2002	1:00 PM	20	1 of 2	<0.006	0.002	0.0012	0.0006	8.9	0.4	0.008	0.003
02/13/2002	1:00 PM	20	2 of 2	<0.006	0.002	<0.0009	0.0009	9.1	0.3	0.004	0.002
04/23/2002	12:10 PM	20	1 of 2	<0.006	0.003	0.003	0.002	7.7	0.1	0.008	0.002
04/23/2002	12:10 PM	20	2 of 2	<0.006	0.004	0.003	0.002	7.7	0.0	0.010	0.001
08/07/2002	6:50 PM	57	1 of 2	<0.008	0.004	<0.002	0.001	7.7	0.1	0.068	0.000
08/07/2002	6:50 PM	57	2 of 2	<0.008	0.004	<0.002	0.002	7.6	0.2	0.070	0.003
01/30/2003	3:30 PM	55	1 of 2	<0.003	0.003	0.0016	0.0008	7.0	0.1	0.029	0.002
01/30/2003	3:30 PM	55	2 of 2	0.003	0.003	0.0013	0.0017	7.0	0.1	0.030	0.002
04/17/2003	2:30 PM	55	1 of 2	<0.007	0.000	0.0011	0.0004	7.4	0.2	0.070	0.008
04/17/2003	2:30 PM	55	2 of 2	<0.007	0.002	0.0019	0.0016	7.4	0.1	0.067	0.004
08/07/2003	4:00 PM	1	1 of 2	<0.004	0.003	0.0013	0.0014	7.2	0.2	0.041	0.006
08/07/2003	4:00 PM	1	2 of 2	<0.004	0.000	0.0019	0.0025	7.1	0.2	0.042	0.003

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Beryllium (Be) µg/L (01010)		Bismuth (Bi) µg/L (01015)		Calcium (Ca) µg/L (00915)		Cadmium (Cd) µg/L (01025)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	<0.008	0.000	<0.002	0.001	7.8	0.0	0.003	0.000
08/07/2002	3:40 PM	10	2 of 2	<0.008	0.004	0.002	0.001	7.7	0.1	0.002	0.001
04/17/2003	1:20 PM	80	1 of 2	<0.007	0.001	<0.0005	0.0005	7.1	0.1	0.007	0.002
04/17/2003	1:20 PM	80	2 of 2	<0.007	0.003	0.0007	0.0007	7.2	0.1	0.007	0.001
08/07/2003	1:00 PM	1	1 of 2	<0.004	0.002	<0.0008	0.0002	6.8	0.1	<0.003	0.000
08/07/2003	1:00 PM	1	2 of 2	<0.004	0.001	<0.0008	0.0003	6.9	0.3	<0.003	0.002
08/07/2003	1:30 PM	40	1 of 2	<0.004	0.000	<0.0008	0.0009	6.2	0.3	0.013	0.003
08/07/2003	1:30 PM	40	2 of 2	<0.004	0.001	<0.0008	0.0000	6.0	0.3	0.011	0.000
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.41	0.05	0.0012	0.0004	34	0	16	0
10/31/2001	2:15 PM	1	2 of 2	0.43	0.01	0.0014	0.0004	35	1	17	0
02/13/2002	3:10 PM	10	1 of 2	<0.006	0.004	<0.0009	0.0009	9.5	0.2	0.015	0.002
02/13/2002	3:10 PM	10	2 of 2	<0.006	0.004	0.0017	0.0014	9.4	0.0	0.013	0.001
02/13/2002	3:30 PM	35	1of 1	<0.006	0.001	0.0032	0.0017	8.9	0.0	0.21	0.00
04/24/2002	11:10 AM	30	1 of 2	<0.006	0.005	0.003	0.003	7.0	0.0	0.095	0.001
04/24/2002	11:10 AM	30	2 of 2	<0.006	0.003	0.001	0.001	7.0	0.1	0.094	0.004
08/07/2002	5:00 PM	1	1 of 2	0.076	0.002	<0.002	0.001	13	0	3.9	0.0
08/07/2002	5:00 PM	1	2 of 2	0.092	0.005	<0.002	0.000	13	0	4.0	0.0
11/05/2002	2:50 PM	0	1 of 2	0.35	0.02	0.011	0.014	25	0	9.0	0.2
11/05/2002	2:50 PM	0	2 of 2	0.34	0.04	0.001	0.002	25	0	9.0	0.0
01/30/2003	12:30 PM	10	1 of 2	<0.003	0.003	0.0010	0.0005	7.4	0.0	0.024	0.001
01/30/2003	12:30 PM	10	2 of 2	<0.003	0.001	0.0018	0.0008	7.4	0.0	0.025	0.001
01/30/2003	1:20 PM	38	1 of 2	0.062	0.003	<0.0007	0.0000	11	0	2.8	0.0
01/30/2003	1:20 PM	38	2 of 2	0.066	0.002	<0.0007	0.0004	11	0	2.8	0.0
04/17/2003	4:00 PM	40	1 of 2	0.085	0.005	0.0012	0.0008	10	0	2.9	0.0
04/17/2003	4:00 PM	40	2 of 2	0.077	0.001	0.0005	0.0002	10	0	2.8	0.0
08/07/2003	4:30 PM	1	1 of 2	0.015	0.001	0.0008	0.0006	8.0	0.2	1.1	0.0
08/07/2003	4:30 PM	1	2 of 2	0.012	0.002	<0.0008	0.0009	8.0	0.3	1.1	0.0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.12	0.00	<0.0008	0.0006	41	0	32	0
02/13/2002	2:20 PM	52	1 of 2	<0.006	0.004	0.0028	0.0035	9.1	0.1	0.19	0.00
02/13/2002	2:20 PM	52	2 of 2	<0.006	0.003	0.0016	0.0027	8.8	0.0	0.18	0.00
04/23/2002	1:10 PM	20	1 of 2	<0.006	0.004	0.002	0.003	7.6	0.0	0.012	0.002
04/23/2002	1:10 PM	20	2 of 2	<0.006	0.004	0.002	0.001	7.7	0.1	0.011	0.001
11/05/2002	2:00 PM	1	1 of 2	0.80	0.04	0.005	0.006	114	0	132	3
11/05/2002	2:00 PM	1	2 of 2	0.82	0.04	0.003	0.001	115	0	137	3

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01110)		Cobalt (Co) µg/L (01035)		Chromium (Cr) µg/L (01030)		Cesium (Cs) µg/L (01115)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.0048	0.0018	<0.003	0.001	<0.2	0.1	<0.009	0.002
10/30/2001	5:15 PM	10	2 of 2	0.0040	0.0004	<0.003	0.001	<0.2	0.1	<0.009	0.003
02/12/2002	12:00 PM	8	1 of 2	0.022	0.001	0.030	0.001	0.13	0.03	<0.003	0.000
02/12/2002	12:00 PM	8	2 of 2	0.023	0.001	0.031	0.000	0.14	0.04	<0.003	0.001
04/22/2002	3:20 PM	10	1 of 2	0.017	0.000	0.027	0.001	0.12	0.01	<0.009	0.004
04/22/2002	3:20 PM	10	2 of 2	0.017	0.000	0.026	0.002	0.11	0.03	<0.009	0.001
08/06/2002	4:30 PM	10	1 of 2	0.0038	0.0003	0.014	0.003	<0.2	0.1	<0.007	0.003
08/06/2002	4:30 PM	10	2 of 2	0.0037	0.0003	0.011	0.000	<0.2	0.1	<0.007	0.003
04/15/2003	10:30 AM	40	1 of 2	0.018	0.001	0.070	0.006	0.39	0.09	<0.008	0.001
04/15/2003	10:30 AM	40	2 of 2	0.019	0.001	0.068	0.002	0.41	0.10	<0.008	0.000
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.046	0.002	1.6	0.0	<0.2	0.1	<0.009	0.003
11/01/2001	8:30 AM	70	2 of 2	0.050	0.000	1.8	0.0	<0.2	0.1	<0.009	0.004
02/12/2002	11:00 AM	140	1 of 2	0.024	0.001	0.073	0.004	1.3	0.0	<0.003	0.002
02/12/2002	11:00 AM	140	2 of 2	0.026	0.001	0.073	0.001	1.4	0.1	<0.003	0.001
04/22/2002	3:00 PM	140	1 of 2	0.027	0.000	0.025	0.001	0.13	0.03	<0.009	0.003
04/22/2002	3:00 PM	140	2 of 2	0.028	0.001	0.025	0.000	0.10	0.02	<0.009	0.003
08/08/2002	12:00 PM	45	1 of 2	0.014	0.002	0.014	0.002	<0.2	0.1	<0.007	0.001
08/08/2002	12:00 PM	45	2 of 2	0.013	0.001	0.013	0.000	<0.2	0.1	<0.007	0.007
08/08/2002	1:30 PM	113	1 of 2	0.0034	0.0004	0.017	0.003	<0.2	0.0	<0.007	0.003
08/08/2002	1:30 PM	113	2 of 2	0.0035	0.0001	0.019	0.002	<0.2	0.0	<0.007	0.001
11/04/2002	3:50 PM	10	1 of 2	0.022	0.000	0.44	0.00	<0.4	0.1	0.007	0.002
11/04/2002	3:50 PM	10	2 of 2	0.022	0.001	0.44	0.00	<0.4	0.1	<0.006	0.001
11/04/2002	3:20 PM	55	1 of 2	0.015	0.001	0.065	0.006	<0.4	0.0	<0.006	0.001
11/04/2002	3:20 PM	55	2 of 2	0.015	0.001	0.064	0.004	<0.4	0.0	<0.006	0.004
01/29/2003	2:30 PM	10	1 of 2	0.032	0.000	0.026	0.002	<0.1	0.0	<0.004	0.000
01/29/2003	2:30 PM	10	2 of 2	0.034	0.001	0.027	0.002	<0.1	0.0	<0.004	0.001
01/28/2003	4:40 PM	140	1 of 2	0.036	0.001	0.018	0.001	<0.1	0.0	<0.004	0.001
01/28/2003	4:40 PM	140	2 of 2	0.036	0.001	0.019	0.000	<0.1	0.1	0.005	0.003
04/16/2003	4:00 PM	150	1 of 2	0.017	0.001	0.019	0.001	<0.1	0.0	<0.008	0.003
04/16/2003	4:00 PM	150	2 of 2	0.018	0.002	0.017	0.002	<0.1	0.1	<0.008	0.004
08/05/2003	12:30 PM	1	1 of 2	0.0026	0.0003	0.013	0.004	0.22	0.01	<0.002	0.001
08/05/2003	12:30 PM	1	2 of 2	0.0026	0.0003	0.014	0.002	<0.1	0.1	<0.002	0.000
08/05/2003	3:30 PM	73	1 of 2	0.013	0.001	0.021	0.005	<0.1	0.1	<0.002	0.001
08/05/2003	3:30 PM	73	2 of 2	0.013	0.000	0.021	0.002	<0.1	0.1	<0.002	0.000
08/05/2003	1:00 PM	120	1 of 2	0.0094	0.0002	0.073	0.000	<0.1	0.0	<0.002	0.001
08/05/2003	1:00 PM	120	2 of 2	0.0091	0.0005	0.075	0.002	<0.1	0.0	<0.002	0.001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01110)		Cobalt (Co) µg/L (01035)		Chromium (Cr) µg/L (01030)		Cesium (Cs) µg/L (01115)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.0044	0.0006	<0.003	0.003	<0.2	0.2	<0.009	0.004
10/29/2001	4:15 PM	6	2 of 2	0.0042	0.0009	<0.003	0.017	<0.2	0.1	<0.009	0.003
02/12/2002	1:30 PM	60	1 of 2	0.023	0.000	0.038	0.004	0.34	0.02	<0.003	0.002
02/12/2002	1:30 PM	60	2 of 2	0.023	0.002	0.037	0.007	0.36	0.02	0.004	0.004
04/22/2002	1:50 PM	10	1 of 2	0.018	0.001	0.025	0.002	0.07	0.02	<0.009	0.003
04/22/2002	1:50 PM	10	2 of 2	0.017	0.000	0.025	0.002	0.11	0.02	<0.009	0.004
04/15/2003	12:40 PM	32	1 of 2	0.016	0.001	0.028	0.000	<0.1	0.0	<0.008	0.001
04/15/2003	12:40 PM	32	2 of 2	0.016	0.001	0.025	0.001	<0.1	0.1	<0.008	0.002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.041	0.002	0.17	0.01	0.4	0.1	<0.009	0.002
10/29/2001	2:45 PM	50	2 of 2	0.039	0.000	0.16	0.01	0.4	0.0	<0.009	0.002
02/13/2002	8:30 AM	120	1 of 2	0.025	0.000	0.036	0.004	0.27	0.05	<0.003	0.004
02/13/2002	8:30 AM	120	2 of 2	0.025	0.001	0.035	0.000	0.26	0.08	<0.003	0.001
04/22/2002	12:20 PM	120	1 of 2	0.030	0.001	0.026	0.002	0.11	0.03	<0.009	0.002
04/22/2002	12:20 PM	120	2 of 2	0.029	0.001	0.024	0.002	0.12	0.03	<0.009	0.003
08/07/2002	12:10 PM	10	1 of 2	0.0046	0.0003	0.012	0.001	<0.2	0.1	<0.007	0.004
08/07/2002	12:10 PM	10	2 of 2	0.0042	0.0005	0.011	0.000	<0.2	0.1	<0.007	0.001
08/07/2002	12:40 PM	47	1 of 2	0.010	0.000	0.020	0.003	<0.2	0.1	<0.007	0.001
08/07/2002	12:40 PM	47	2 of 2	0.011	0.000	0.019	0.001	<0.2	0.1	<0.007	0.000
08/08/2002	2:50 PM	80	1 of 2	0.0097	0.0003	0.019	0.001	<0.2	0.0	<0.007	0.004
08/08/2002	2:50 PM	80	2 of 2	0.010	0.001	0.022	0.001	<0.2	0.1	<0.007	0.004
11/05/2002	2:30 PM	10	1 of 2	0.015	0.001	0.048	0.004	<0.4	0.0	<0.006	0.009
11/05/2002	2:30 PM	10	2 of 2	0.016	0.001	0.047	0.004	<0.4	0.1	<0.006	0.005
11/05/2002	2:10 PM	30	1 of 2	0.026	0.000	0.17	0.01	<0.4	0.1	<0.006	0.001
11/05/2002	2:10 PM	30	2 of 2	0.025	0.001	0.17	0.00	<0.4	0.1	<0.006	0.003
01/29/2003	2:00 PM	10	1 of 2	0.033	0.000	0.023	0.001	<0.1	0.0	<0.004	0.002
01/29/2003	2:00 PM	10	2 of 2	0.032	0.001	0.024	0.002	<0.1	0.0	<0.004	0.002
01/28/2003	3:30 PM	120	1 of 2	0.033	0.001	0.020	0.001	<0.1	0.0	<0.004	0.001
01/28/2003	3:30 PM	120	2 of 2	0.033	0.001	0.018	0.003	<0.1	0.0	<0.004	0.002
04/17/2003	10:30 AM	125	1 of 2	0.018	0.000	0.022	0.001	<0.1	0.1	<0.008	0.002
04/17/2003	10:30 AM	125	2 of 2	0.019	0.000	0.022	0.001	<0.1	0.0	<0.008	0.003
08/07/2003	11:30 AM	1	1 of 2	0.0041	0.0002	0.009	0.004	<0.1	0.1	<0.002	0.001
08/07/2003	11:30 AM	1	2 of 2	0.0040	0.0004	0.011	0.000	0.10	0.07	<0.002	0.000
08/07/2003	11:50 AM	100	1 of 2	0.0098	0.0005	0.071	0.002	<0.1	0.1	<0.002	0.001
08/07/2003	11:50 AM	100	2 of 2	0.0100	0.0004	0.073	0.003	<0.1	0.1	<0.002	0.000

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01110)		Cobalt (Co) µg/L (01035)		Chromium (Cr) µg/L (01030)		Cesium (Cs) µg/L (01115)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.021	0.001	0.096	0.005	<0.2	0.1	<0.009	0.003
10/31/2001	10:15 AM	12	2 of 2	0.021	0.001	0.097	0.006	<0.2	0.1	<0.009	0.003
02/13/2002	9:00 AM	80	1 of 2	0.028	0.001	0.059	0.001	<0.08	0.02	0.005	0.000
02/13/2002	9:00 AM	80	2 of 2	0.027	0.000	0.054	0.001	0.12	0.02	<0.003	0.001
04/22/2002	10:40 AM	80	1 of 2	0.029	0.000	0.033	0.002	0.18	0.02	<0.009	0.001
04/22/2002	10:40 AM	80	2 of 2	0.029	0.001	0.034	0.001	0.16	0.04	<0.009	0.004
08/06/2002	5:50 PM	10	1 of 2	0.0062	0.0002	0.011	0.003	<0.2	0.0	<0.007	0.001
08/06/2002	5:50 PM	10	2 of 2	0.0072	0.0003	0.011	0.001	<0.2	0.1	<0.007	0.002
08/06/2002	6:20 PM	55	1 of 2	0.020	0.001	0.67	0.00	<0.2	0.1	<0.007	0.002
08/06/2002	6:20 PM	55	2 of 2	0.021	0.001	0.66	0.01	<0.2	0.1	<0.007	0.002
11/05/2002	4:10 PM	7	1 of 2	0.021	0.001	0.057	0.002	<0.4	0.2	<0.006	0.008
11/05/2002	4:10 PM	7	2 of 2	0.018	0.000	0.060	0.000	<0.4	0.1	<0.006	0.002
01/29/2003	1:20 PM	10	1 of 2	0.038	0.000	0.017	0.000	<0.1	0.0	<0.004	0.001
01/29/2003	1:20 PM	10	2 of 2	0.040	0.002	0.016	0.001	<0.1	0.0	<0.004	0.002
01/28/2003	2:50 PM	85	1 of 2	0.033	0.001	0.026	0.003	0.2	0.0	<0.004	0.001
01/28/2003	2:50 PM	85	2 of 2	0.033	0.000	0.026	0.003	0.2	0.0	<0.004	0.002
04/17/2003	11:30 AM	90	1 of 2	0.038	0.001	0.026	0.003	<0.1	0.0	<0.008	0.003
04/17/2003	11:30 AM	90	2 of 2	0.038	0.000	0.025	0.003	<0.1	0.1	<0.008	0.002
08/07/2003	10:00 AM	1	1 of 2	0.0051	0.0001	0.011	0.000	<0.1	0.0	<0.002	0.001
08/07/2003	10:00 AM	1	2 of 2	0.0052	0.0005	0.013	0.003	<0.1	0.0	<0.002	0.001
08/06/2003	3:00 PM	100	1 of 2	0.028	0.001	1.5	0.0	<0.1	0.1	<0.002	0.000
08/06/2003	3:00 PM	100	2 of 2	0.027	0.001	1.5	0.0	<0.1	0.1	<0.002	0.001
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.013	0.002	0.17	0.02	<0.2	0.1	<0.009	0.002
10/31/2001	1:00 PM	4	2 of 2	0.011	0.000	0.17	0.01	<0.2	0.2	<0.009	0.004
02/13/2002	1:00 PM	20	1 of 2	0.029	0.001	0.034	0.002	0.14	0.01	<0.003	0.004
02/13/2002	1:00 PM	20	2 of 2	0.028	0.001	0.034	0.001	0.11	0.02	<0.003	0.001
04/23/2002	12:10 PM	20	1 of 2	0.019	0.000	0.027	0.001	0.14	0.03	<0.009	0.003
04/23/2002	12:10 PM	20	2 of 2	0.019	0.001	0.026	0.001	0.13	0.02	<0.009	0.006
08/07/2002	6:50 PM	57	1 of 2	0.021	0.001	0.060	0.003	<0.2	0.1	<0.007	0.004
08/07/2002	6:50 PM	57	2 of 2	0.021	0.000	0.062	0.003	<0.2	0.0	<0.007	0.003
01/30/2003	3:30 PM	55	1 of 2	0.040	0.000	0.045	0.004	0.1	0.0	<0.004	0.003
01/30/2003	3:30 PM	55	2 of 2	0.040	0.001	0.044	0.001	<0.1	0.0	<0.004	0.003
04/17/2003	2:30 PM	55	1 of 2	0.039	0.001	0.20	0.00	<0.1	0.1	<0.008	0.003
04/17/2003	2:30 PM	55	2 of 2	0.041	0.001	0.20	0.01	<0.1	0.0	<0.008	0.002
08/07/2003	4:00 PM	1	1 of 2	0.010	0.001	0.013	0.002	<0.1	0.0	<0.002	0.000
08/07/2003	4:00 PM	1	2 of 2	0.0098	0.0008	0.011	0.001	<0.1	0.0	<0.002	0.001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Cerium (Ce) µg/L (01110)		Cobalt (Co) µg/L (01035)		Chromium (Cr) µg/L (01030)		Cesium (Cs) µg/L (01115)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.0040	0.0004	0.012	0.002	<0.2	0.2	<0.007	0.002
08/07/2002	3:40 PM	10	2 of 2	0.0040	0.0004	0.010	0.002	<0.2	0.1	<0.007	0.004
04/17/2003	1:20 PM	80	1 of 2	0.019	0.001	0.021	0.003	<0.1	0.0	<0.008	0.001
04/17/2003	1:20 PM	80	2 of 2	0.020	0.001	0.020	0.001	<0.1	0.1	<0.008	0.004
08/07/2003	1:00 PM	1	1 of 2	0.0044	0.0002	0.009	0.003	0.10	0.07	<0.002	0.001
08/07/2003	1:00 PM	1	2 of 2	0.0038	0.0003	0.010	0.002	<0.1	0.0	<0.002	0.000
08/07/2003	1:30 PM	40	1 of 2	0.0079	0.0007	0.014	0.001	<0.1	0.0	<0.002	0.000
08/07/2003	1:30 PM	40	2 of 2	0.0075	0.0001	0.014	0.001	<0.1	0.0	<0.002	0.001
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	25	0	110	0	11	0	0.063	0.003
10/31/2001	2:15 PM	1	2 of 2	26	0	120	0	11	0	0.070	0.005
02/13/2002	3:10 PM	10	1 of 2	0.028	0.001	0.036	0.001	0.13	0.04	<0.003	0.002
02/13/2002	3:10 PM	10	2 of 2	0.028	0.001	0.038	0.001	0.12	0.02	<0.003	0.001
02/13/2002	3:30 PM	35	1of 1	0.065	0.001	1.0	0.0	0.11	0.03	0.004	0.001
04/24/2002	11:10 AM	30	1 of 2	0.039	0.000	0.35	0.00	0.06	0.02	<0.009	0.001
04/24/2002	11:10 AM	30	2 of 2	0.039	0.000	0.36	0.00	0.05	0.03	<0.009	0.001
08/07/2002	5:00 PM	1	1 of 2	2.8	0.0	21	1	<0.2	0.1	<0.007	0.003
08/07/2002	5:00 PM	1	2 of 2	2.9	0.0	21	0	<0.2	0.1	<0.007	0.005
11/05/2002	2:50 PM	0	1 of 2	14	0	66	2	4.0	0.1	0.042	0.002
11/05/2002	2:50 PM	0	2 of 2	14	0	66	3	3.9	0.1	0.040	0.001
01/30/2003	12:30 PM	10	1 of 2	0.032	0.001	0.029	0.002	<0.1	0.0	<0.004	0.001
01/30/2003	12:30 PM	10	2 of 2	0.032	0.001	0.029	0.002	<0.1	0.0	<0.004	0.005
01/30/2003	1:20 PM	38	1 of 2	2.1	0.0	11	0	0.4	0.0	<0.004	0.002
01/30/2003	1:20 PM	38	2 of 2	2.0	0.0	11	0	0.5	0.0	<0.004	0.003
04/17/2003	4:00 PM	40	1 of 2	3.3	0.0	14	0	0.23	0.09	<0.008	0.001
04/17/2003	4:00 PM	40	2 of 2	3.4	0.0	14	1	0.21	0.10	<0.008	0.002
08/07/2003	4:30 PM	1	1 of 2	0.085	0.001	4.4	0.1	<0.1	0.1	<0.002	0.000
08/07/2003	4:30 PM	1	2 of 2	0.089	0.000	4.4	0.2	<0.1	0.0	<0.002	0.001
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	10	0	120	0	0.8	0.2	0.017	0.005
02/13/2002	2:20 PM	52	1 of 2	0.072	0.003	0.85	0.00	0.10	0.02	<0.003	0.002
02/13/2002	2:20 PM	52	2 of 2	0.068	0.001	0.85	0.01	0.13	0.04	<0.003	0.001
04/23/2002	1:10 PM	20	1 of 2	0.019	0.000	0.027	0.001	0.16	0.05	<0.009	0.003
04/23/2002	1:10 PM	20	2 of 2	0.019	0.001	0.028	0.002	0.07	0.04	<0.009	0.002
11/05/2002	2:00 PM	1	1 of 2	39	1	473	3	2.0	0.2	0.018	0.004
11/05/2002	2:00 PM	1	2 of 2	40	1	482	19	2.2	0.1	0.019	0.005

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01040)		Dysprosium (Dy) µg/L (82331)		Erbium (Er) µg/L (50573)		Europium (Eu) µg/L (50574)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	1.4	0.0	0.0018	0.0004	0.0021	0.0002	0.0020	0.0012
10/30/2001	5:15 PM	10	2 of 2	1.5	0.0	0.0017	0.0003	0.0019	0.0006	0.0017	0.0006
02/12/2002	12:00 PM	8	1 of 2	2.8	0.0	0.0090	0.0007	0.0053	0.0002	0.0020	0.0010
02/12/2002	12:00 PM	8	2 of 2	2.8	0.0	0.0099	0.0007	0.0057	0.0001	0.0023	0.0001
04/22/2002	3:20 PM	10	1 of 2	1.9	0.0	0.0050	0.0006	0.0032	0.0000	0.0012	0.0006
04/22/2002	3:20 PM	10	2 of 2	1.9	0.0	0.0048	0.0001	0.0036	0.0005	0.0008	0.0003
08/06/2002	4:30 PM	10	1 of 2	1.6	0.0	0.0013	0.0003	0.0007	0.0002	0.0006	0.0002
08/06/2002	4:30 PM	10	2 of 2	1.7	0.1	0.0016	0.0003	0.0010	0.0005	<0.0002	0.0002
04/15/2003	10:30 AM	40	1 of 2	2.1	0.0	0.0061	0.0017	0.0044	0.0001	0.0009	0.0002
04/15/2003	10:30 AM	40	2 of 2	2.2	0.0	0.0058	0.0006	0.0044	0.0006	0.0007	0.0002
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.89	0.09	0.0078	0.0005	0.0059	0.0005	0.0037	0.0015
11/01/2001	8:30 AM	70	2 of 2	0.59	0.02	0.0086	0.0006	0.0069	0.0004	0.0043	0.0006
02/12/2002	11:00 AM	140	1 of 2	1.9	0.1	0.0093	0.0001	0.0068	0.0002	0.0019	0.0005
02/12/2002	11:00 AM	140	2 of 2	2.0	0.0	0.011	0.000	0.0061	0.0003	0.0018	0.0005
04/22/2002	3:00 PM	140	1 of 2	1.8	0.0	0.0095	0.0006	0.0063	0.0002	0.0026	0.0003
04/22/2002	3:00 PM	140	2 of 2	1.7	0.0	0.010	0.001	0.0074	0.0012	0.0027	0.0009
08/08/2002	12:00 PM	45	1 of 2	2.0	0.1	0.0041	0.0004	0.0022	0.0006	0.0005	0.0002
08/08/2002	12:00 PM	45	2 of 2	2.0	0.1	0.0036	0.0006	0.0028	0.0007	0.0016	0.0001
08/08/2002	1:30 PM	113	1 of 2	1.4	0.0	0.0036	0.0002	0.0034	0.0005	0.0010	0.0001
08/08/2002	1:30 PM	113	2 of 2	1.6	0.0	0.0040	0.0007	0.0028	0.0009	0.0008	0.0003
11/04/2002	3:50 PM	10	1 of 2	1.0	0.0	0.0039	0.0001	0.004	0.001	0.0010	0.0007
11/04/2002	3:50 PM	10	2 of 2	1.0	0.0	0.0044	0.0003	0.003	0.000	0.0020	0.0021
11/04/2002	3:20 PM	55	1 of 2	1.5	0.0	0.0033	0.0000	0.002	0.000	0.0013	0.0007
11/04/2002	3:20 PM	55	2 of 2	1.4	0.0	0.0032	0.0007	0.003	0.000	0.0017	0.0014
01/29/2003	2:30 PM	10	1 of 2	2.2	0.0	0.013	0.000	0.0093	0.0007	0.0034	0.0002
01/29/2003	2:30 PM	10	2 of 2	2.2	0.0	0.013	0.001	0.0099	0.0007	0.0031	0.0002
01/28/2003	4:40 PM	140	1 of 2	1.1	0.0	0.011	0.000	0.0080	0.0007	0.0026	0.0004
01/28/2003	4:40 PM	140	2 of 2	1.0	0.0	0.011	0.001	0.0076	0.0005	0.0027	0.0003
04/16/2003	4:00 PM	150	1 of 2	1.5	0.0	0.0086	0.0013	0.0050	0.0008	0.0013	0.0001
04/16/2003	4:00 PM	150	2 of 2	1.4	0.0	0.0069	0.0011	0.0052	0.0004	0.0017	0.0004
08/05/2003	12:30 PM	1	1 of 2	1.3	0.0	0.0016	0.0002	0.0009	0.0003	<0.0002	0.0007
08/05/2003	12:30 PM	1	2 of 2	1.3	0.0	0.0018	0.0006	0.0012	0.0003	<0.0002	0.0003
08/05/2003	3:30 PM	73	1 of 2	1.3	0.0	0.0046	0.0007	0.0045	0.0005	0.0015	0.0002
08/05/2003	3:30 PM	73	2 of 2	1.4	0.0	0.0054	0.0007	0.0048	0.0003	0.0016	0.0001
08/05/2003	1:00 PM	120	1 of 2	1.6	0.0	0.0047	0.0003	0.0045	0.0001	0.0008	0.0002
08/05/2003	1:00 PM	120	2 of 2	1.2	0.0	0.0055	0.0000	0.0042	0.0004	0.0008	0.0004

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01040)		Dysprosium (Dy) µg/L (82331)		Erbium (Er) µg/L (50573)		Europium (Eu) µg/L (50574)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	1.4	0.1	0.0017	0.0002	0.0021	0.0003	0.0022	0.0010
10/29/2001	4:15 PM	6	2 of 2	1.4	0.0	0.0018	0.0004	0.0019	0.0004	0.0018	0.0009
02/12/2002	1:30 PM	60	1 of 2	2.9	0.0	0.0081	0.0004	0.0058	0.0003	0.0027	0.0001
02/12/2002	1:30 PM	60	2 of 2	3.0	0.2	0.0093	0.0000	0.0054	0.0003	0.0019	0.0004
04/22/2002	1:50 PM	10	1 of 2	1.9	0.0	0.0052	0.0006	0.0035	0.0006	0.0010	0.0002
04/22/2002	1:50 PM	10	2 of 2	2.0	0.0	0.0048	0.0006	0.0037	0.0012	0.0011	0.0005
04/15/2003	12:40 PM	32	1 of 2	2.3	0.0	0.0057	0.0007	0.0043	0.0003	0.0011	0.0006
04/15/2003	12:40 PM	32	2 of 2	2.4	0.0	0.0061	0.0010	0.0041	0.0003	0.0011	0.0004
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	1.2	0.0	0.0073	0.0032	0.0047	0.0020	0.0030	0.0014
10/29/2001	2:45 PM	50	2 of 2	1.4	0.0	0.0047	0.0002	0.0033	0.0008	0.0033	0.0026
02/13/2002	8:30 AM	120	1 of 2	2.2	0.1	0.0096	0.0004	0.0071	0.0003	0.0022	0.0010
02/13/2002	8:30 AM	120	2 of 2	2.2	0.0	0.0095	0.0006	0.0068	0.0001	0.0013	0.0002
04/22/2002	12:20 PM	120	1 of 2	1.9	0.0	0.0099	0.0003	0.0066	0.0010	0.0031	0.0005
04/22/2002	12:20 PM	120	2 of 2	2.0	0.0	0.010	0.002	0.0072	0.0006	0.0023	0.0002
08/07/2002	12:10 PM	10	1 of 2	1.9	0.0	0.0018	0.0004	0.0009	0.0003	0.0004	0.0004
08/07/2002	12:10 PM	10	2 of 2	2.0	0.1	0.0015	0.0005	0.0010	0.0006	0.0006	0.0002
08/07/2002	12:40 PM	47	1 of 2	2.7	0.2	0.0031	0.0003	0.0028	0.0008	<0.0002	0.0004
08/07/2002	12:40 PM	47	2 of 2	2.4	0.1	0.0039	0.0010	0.0020	0.0002	0.0008	0.0003
08/08/2002	2:50 PM	80	1 of 2	2.0	0.0	0.0045	0.0002	0.0038	0.0004	0.0008	0.0002
08/08/2002	2:50 PM	80	2 of 2	1.7	0.1	0.0050	0.0014	0.0035	0.0002	0.0010	0.0006
11/05/2002	2:30 PM	10	1 of 2	1.4	0.2	0.0025	0.0001	0.003	0.000	0.0004	0.0001
11/05/2002	2:30 PM	10	2 of 2	1.4	0.1	0.0030	0.0003	0.002	0.000	0.0011	0.0005
11/05/2002	2:10 PM	30	1 of 2	1.4	0.1	0.0046	0.0003	0.003	0.001	0.0016	0.0006
11/05/2002	2:10 PM	30	2 of 2	1.4	0.1	0.0037	0.0008	0.003	0.001	0.0016	0.0003
01/29/2003	2:00 PM	10	1 of 2	1.8	0.0	0.012	0.001	0.0077	0.0004	0.0025	0.0005
01/29/2003	2:00 PM	10	2 of 2	1.9	0.0	0.012	0.000	0.0078	0.0011	0.0031	0.0007
01/28/2003	3:30 PM	120	1 of 2	1.1	0.0	0.011	0.001	0.0074	0.0012	0.0026	0.0003
01/28/2003	3:30 PM	120	2 of 2	1.1	0.0	0.010	0.001	0.0083	0.0010	0.0025	0.0004
04/17/2003	10:30 AM	125	1 of 2	1.4	0.0	0.0072	0.0006	0.0053	0.0010	0.0019	0.0001
04/17/2003	10:30 AM	125	2 of 2	1.4	0.0	0.0067	0.0008	0.0058	0.0001	0.0018	0.0002
08/07/2003	11:30 AM	1	1 of 2	1.7	0.1	0.0012	0.0005	<0.0007	0.0004	<0.0002	0.0005
08/07/2003	11:30 AM	1	2 of 2	1.7	0.0	0.0015	0.0002	0.0013	0.0004	<0.0002	0.0004
08/07/2003	11:50 AM	100	1 of 2	1.4	0.0	0.0049	0.0005	0.0034	0.0005	0.0008	0.0002
08/07/2003	11:50 AM	100	2 of 2	1.4	0.0	0.0046	0.0005	0.0037	0.0005	0.0011	0.0001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01040)		Dysprosium (Dy) µg/L (82331)		Erbium (Er) µg/L (50573)		Europium (Eu) µg/L (50574)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	1.3	0.0	0.0036	0.0003	0.0024	0.0005	0.0021	0.0012
10/31/2001	10:15 AM	12	2 of 2	1.3	0.1	0.0033	0.0002	0.0027	0.0007	0.0027	0.0012
02/13/2002	9:00 AM	80	1 of 2	0.80	0.00	0.0082	0.0009	0.0048	0.0001	0.0023	0.0003
02/13/2002	9:00 AM	80	2 of 2	0.83	0.02	0.0089	0.0001	0.0040	0.0002	0.0022	0.0002
04/22/2002	10:40 AM	80	1 of 2	1.6	0.0	0.0079	0.0005	0.0067	0.0013	0.0027	0.0003
04/22/2002	10:40 AM	80	2 of 2	1.7	0.0	0.0088	0.0009	0.0068	0.0006	0.0022	0.0000
08/06/2002	5:50 PM	10	1 of 2	1.9	0.0	0.0017	0.0001	0.0008	0.0001	0.0004	0.0005
08/06/2002	5:50 PM	10	2 of 2	2.0	0.1	0.0017	0.0003	0.0011	0.0007	0.0010	0.0001
08/06/2002	6:20 PM	55	1 of 2	1.4	0.1	0.0039	0.0004	0.0022	0.0000	0.0007	0.0001
08/06/2002	6:20 PM	55	2 of 2	1.4	0.1	0.0036	0.0002	0.0029	0.0005	0.0007	0.0005
11/05/2002	4:10 PM	7	1 of 2	1.4	0.0	0.0038	0.0001	0.003	0.001	0.0010	0.0011
11/05/2002	4:10 PM	7	2 of 2	1.3	0.1	0.0039	0.0010	0.003	0.000	0.0010	0.0002
01/29/2003	1:20 PM	10	1 of 2	0.70	0.01	0.011	0.001	0.0075	0.0006	0.0026	0.0005
01/29/2003	1:20 PM	10	2 of 2	0.73	0.02	0.010	0.001	0.0072	0.0010	0.0030	0.0003
01/28/2003	2:50 PM	85	1 of 2	1.1	0.0	0.011	0.000	0.0077	0.0007	0.0028	0.0003
01/28/2003	2:50 PM	85	2 of 2	1.1	0.0	0.010	0.001	0.0071	0.0000	0.0026	0.0007
04/17/2003	11:30 AM	90	1 of 2	1.4	0.0	0.0097	0.0007	0.0064	0.0004	0.0033	0.0005
04/17/2003	11:30 AM	90	2 of 2	1.3	0.0	0.0100	0.0009	0.0066	0.0015	0.0021	0.0003
08/07/2003	10:00 AM	1	1 of 2	2.0	0.0	0.0021	0.0002	0.0017	0.0004	<0.0002	0.0001
08/07/2003	10:00 AM	1	2 of 2	2.0	0.1	0.0019	0.0002	0.0012	0.0002	0.0004	0.0004
08/06/2003	3:00 PM	100	1 of 2	0.95	0.04	0.0059	0.0006	0.0035	0.0003	0.0017	0.0003
08/06/2003	3:00 PM	100	2 of 2	0.88	0.04	0.0061	0.0000	0.0034	0.0003	0.0012	0.0001
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	2.5	0.3	0.0025	0.0012	0.0028	0.0002	0.0022	0.0021
10/31/2001	1:00 PM	4	2 of 2	2.3	0.0	0.0028	0.0013	0.0031	0.0010	0.0020	0.0014
02/13/2002	1:00 PM	20	1 of 2	4.1	0.0	0.010	0.001	0.0091	0.0000	0.0021	0.0008
02/13/2002	1:00 PM	20	2 of 2	4.2	0.0	0.011	0.001	0.0078	0.0005	0.0025	0.0009
04/23/2002	12:10 PM	20	1 of 2	2.8	0.1	0.0044	0.0003	0.0038	0.0009	0.0006	0.0002
04/23/2002	12:10 PM	20	2 of 2	2.8	0.0	0.0051	0.0010	0.0043	0.0003	0.0012	0.0013
08/07/2002	6:50 PM	57	1 of 2	3.1	0.0	0.0055	0.0002	0.0034	0.0007	0.0014	0.0007
08/07/2002	6:50 PM	57	2 of 2	3.1	0.1	0.0045	0.0000	0.0041	0.0005	0.0007	0.0001
01/30/2003	3:30 PM	55	1 of 2	3.5	0.0	0.014	0.001	0.0098	0.0010	0.0033	0.0005
01/30/2003	3:30 PM	55	2 of 2	3.7	0.0	0.014	0.001	0.010	0.001	0.0036	0.0002
04/17/2003	2:30 PM	55	1 of 2	6.0	0.2	0.013	0.001	0.0084	0.0003	0.0034	0.0007
04/17/2003	2:30 PM	55	2 of 2	6.0	0.1	0.014	0.000	0.0081	0.0005	0.0023	0.0001
08/07/2003	4:00 PM	1	1 of 2	4.5	0.0	0.0033	0.0003	0.0023	0.0007	0.0003	0.0004
08/07/2003	4:00 PM	1	2 of 2	4.6	0.1	0.0032	0.0003	0.0022	0.0004	0.0009	0.0003

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Copper (Cu) µg/L (01040)		Dysprosium (Dy) µg/L (82331)		Erbium (Er) µg/L (50573)		Europium (Eu) µg/L (50574)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	1.9	0.1	0.0018	0.0002	0.0011	0.0002	0.0003	0.0000
08/07/2002	3:40 PM	10	2 of 2	1.7	0.1	0.0015	0.0006	0.0013	0.0004	0.0006	0.0001
04/17/2003	1:20 PM	80	1 of 2	1.5	0.0	0.0091	0.0009	0.0055	0.0006	0.0023	0.0004
04/17/2003	1:20 PM	80	2 of 2	1.6	0.0	0.0074	0.0015	0.0056	0.0003	0.0017	0.0004
08/07/2003	1:00 PM	1	1 of 2	1.4	0.0	0.0016	0.0001	0.0011	0.0003	0.0004	0.0002
08/07/2003	1:00 PM	1	2 of 2	1.4	0.1	0.0016	0.0001	0.0009	0.0002	<0.0002	0.0002
08/07/2003	1:30 PM	40	1 of 2	1.4	0.0	0.0036	0.0014	0.0024	0.0001	0.0007	0.0003
08/07/2003	1:30 PM	40	2 of 2	1.3	0.0	0.0031	0.0006	0.0024	0.0004	0.0006	0.0002
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	1,300	0	5.4	0.0	3.2	0.0	1.4	0.0
10/31/2001	2:15 PM	1	2 of 2	1,400	0	5.7	0.0	3.3	0.1	1.4	0.0
02/13/2002	3:10 PM	10	1 of 2	5.1	0.1	0.011	0.001	0.0083	0.0000	0.0029	0.0002
02/13/2002	3:10 PM	10	2 of 2	5.2	0.0	0.011	0.002	0.0072	0.0000	0.0028	0.0002
02/13/2002	3:30 PM	35	1of 1	17	0	0.016	0.001	0.012	0.000	0.0042	0.0001
04/24/2002	11:10 AM	30	1 of 2	5.9	0.0	0.0095	0.0004	0.0068	0.0013	0.0028	0.0003
04/24/2002	11:10 AM	30	2 of 2	5.8	0.0	0.011	0.002	0.0081	0.0008	0.0023	0.0006
08/07/2002	5:00 PM	1	1 of 2	288	2	0.69	0.01	0.43	0.01	0.15	0.00
08/07/2002	5:00 PM	1	2 of 2	294	11	0.71	0.01	0.42	0.00	0.15	0.00
11/05/2002	2:50 PM	0	1 of 2	844	20	3.4	0.1	2.0	0.0	0.82	0.02
11/05/2002	2:50 PM	0	2 of 2	838	42	3.4	0.1	2.0	0.0	0.82	0.00
01/30/2003	12:30 PM	10	1 of 2	3.7	0.2	0.012	0.001	0.0085	0.0000	0.0025	0.0007
01/30/2003	12:30 PM	10	2 of 2	3.7	0.2	0.012	0.001	0.0090	0.0003	0.0024	0.0005
01/30/2003	1:20 PM	38	1 of 2	319	6	0.57	0.02	0.36	0.01	0.12	0.00
01/30/2003	1:20 PM	38	2 of 2	321	6	0.56	0.00	0.37	0.02	0.13	0.00
04/17/2003	4:00 PM	40	1 of 2	369	2	0.90	0.00	0.53	0.00	0.20	0.00
04/17/2003	4:00 PM	40	2 of 2	371	0	0.91	0.01	0.55	0.00	0.20	0.01
08/07/2003	4:30 PM	1	1 of 2	47	0	0.019	0.001	0.014	0.002	0.0031	0.0001
08/07/2003	4:30 PM	1	2 of 2	47	1	0.019	0.002	0.013	0.000	0.0035	0.0004
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	1,200	0	2.4	0.0	1.4	0.1	0.50	0.01
02/13/2002	2:20 PM	52	1 of 2	16	0	0.018	0.000	0.014	0.000	0.0044	0.0001
02/13/2002	2:20 PM	52	2 of 2	16	0	0.018	0.000	0.013	0.001	0.0043	0.0004
04/23/2002	1:10 PM	20	1 of 2	2.8	0.1	0.0047	0.0009	0.0033	0.0007	0.0014	0.0003
04/23/2002	1:10 PM	20	2 of 2	2.7	0.0	0.0051	0.0010	0.0040	0.0004	0.0009	0.0005
11/05/2002	2:00 PM	1	1 of 2	4,760	88	14	0	8.8	0.1	2.8	0.1
11/05/2002	2:00 PM	1	2 of 2	4,740	56	15	1	9.1	0.2	2.8	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01046)		Gadolinium (Gd) µg/L (50575)		Holmium (Ho) µg/L (50577)		Potassium (K) mg/L (00935)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	2.9	1.0	0.0015	0.0003	0.0006	0.0002	0.76	0.03
10/30/2001	5:15 PM	10	2 of 2	2.3	0.2	0.0017	0.0004	0.0005	0.0001	0.76	0.05
02/12/2002	12:00 PM	8	1 of 2	27	1	0.0096	0.0011	0.0020	0.0001	0.77	0.01
02/12/2002	12:00 PM	8	2 of 2	25	2	0.0096	0.0009	0.0023	0.0001	0.75	0.03
04/22/2002	3:20 PM	10	1 of 2	22	0	0.0056	0.0002	0.0012	0.0001	0.68	0.01
04/22/2002	3:20 PM	10	2 of 2	22	0	0.0051	0.0011	0.0011	0.0002	0.67	0.00
08/06/2002	4:30 PM	10	1 of 2	3.8	1.4	0.0016	0.0006	0.0004	0.0002	0.62	0.01
08/06/2002	4:30 PM	10	2 of 2	4.3	1.5	0.0014	0.0005	0.0003	0.0001	0.62	0.01
04/15/2003	10:30 AM	40	1 of 2	19	0	0.0062	0.0005	0.0013	0.0000	0.64	0.02
04/15/2003	10:30 AM	40	2 of 2	19	0	0.0063	0.0011	0.0015	0.0002	0.66	0.02
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	6.5	4.5	0.0091	0.0004	0.0020	0.0001	0.84	0.01
11/01/2001	8:30 AM	70	2 of 2	4.5	0.8	0.011	0.000	0.0022	0.0000	0.92	0.02
02/12/2002	11:00 AM	140	1 of 2	34	1	0.0086	0.0006	0.0021	0.0001	0.65	0.01
02/12/2002	11:00 AM	140	2 of 2	36	2	0.0090	0.0001	0.0020	0.0000	0.67	0.01
04/22/2002	3:00 PM	140	1 of 2	30	1	0.012	0.001	0.0022	0.0002	0.73	0.01
04/22/2002	3:00 PM	140	2 of 2	28	0	0.011	0.001	0.0023	0.0003	0.74	0.00
08/08/2002	12:00 PM	45	1 of 2	6.8	2.4	0.0042	0.0007	0.0008	0.0001	0.54	0.02
08/08/2002	12:00 PM	45	2 of 2	6.4	1.5	0.0037	0.0005	0.0008	0.0001	0.52	0.02
08/08/2002	1:30 PM	113	1 of 2	4.0	0.9	0.0048	0.0001	0.0009	0.0001	0.67	0.02
08/08/2002	1:30 PM	113	2 of 2	4.6	1.3	0.0044	0.0002	0.0008	0.0001	0.67	0.01
11/04/2002	3:50 PM	10	1 of 2	28	1	0.0051	0.0003	0.0012	0.0000	0.79	0.01
11/04/2002	3:50 PM	10	2 of 2	29	1	0.0051	0.0006	0.0010	0.0001	0.76	0.02
11/04/2002	3:20 PM	55	1 of 2	22	1	0.0043	0.0003	0.0007	0.0000	0.75	0.04
11/04/2002	3:20 PM	55	2 of 2	23	1	0.0032	0.0002	0.0007	0.0001	0.73	0.08
01/29/2003	2:30 PM	10	1 of 2	28	0	0.014	0.000	0.0029	0.0002	0.88	0.02
01/29/2003	2:30 PM	10	2 of 2	28	0	0.014	0.000	0.0031	0.0002	0.90	0.00
01/28/2003	4:40 PM	140	1 of 2	23	0	0.012	0.001	0.0026	0.0002	0.62	0.01
01/28/2003	4:40 PM	140	2 of 2	22	0	0.012	0.001	0.0025	0.0000	0.62	0.00
04/16/2003	4:00 PM	150	1 of 2	14	1	0.0068	0.0003	0.0018	0.0002	0.58	0.04
04/16/2003	4:00 PM	150	2 of 2	13	0	0.0089	0.0016	0.0016	0.0001	0.61	0.01
08/05/2003	12:30 PM	1	1 of 2	2.8	0.2	0.0015	0.0006	<0.0001	0.0001	0.62	0.04
08/05/2003	12:30 PM	1	2 of 2	3.0	0.3	0.0012	0.0002	0.0002	0.0000	0.60	0.01
08/05/2003	3:30 PM	73	1 of 2	7.9	0.1	0.0052	0.0000	0.0011	0.0000	0.61	0.03
08/05/2003	3:30 PM	73	2 of 2	7.7	0.2	0.0046	0.0000	0.0010	0.0001	0.61	0.03
08/05/2003	1:00 PM	120	1 of 2	10	0	0.0053	0.0013	0.0012	0.0001	0.65	0.02
08/05/2003	1:00 PM	120	2 of 2	9.3	0.7	0.0050	0.0002	0.0014	0.0000	0.66	0.03

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01046)		Gadolinium (Gd) µg/L (50575)		Holmium (Ho) µg/L (50577)		Potassium (K) mg/L (00935)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	6.0	1.8	0.0018	0.0001	0.0005	0.0000	0.85	0.00
10/29/2001	4:15 PM	6	2 of 2	4.6	0.2	0.0014	0.0002	0.0005	0.0001	0.82	0.02
02/12/2002	1:30 PM	60	1 of 2	38	13	0.0095	0.0007	0.0021	0.0003	0.75	0.04
02/12/2002	1:30 PM	60	2 of 2	29	1	0.0094	0.0006	0.0021	0.0002	0.77	0.00
04/22/2002	1:50 PM	10	1 of 2	22	1	0.0053	0.0007	0.0013	0.0001	0.68	0.01
04/22/2002	1:50 PM	10	2 of 2	21	1	0.0048	0.0004	0.0011	0.0002	0.68	0.01
04/15/2003	12:40 PM	32	1 of 2	17	0	0.0056	0.0008	0.0011	0.0001	0.65	0.05
04/15/2003	12:40 PM	32	2 of 2	16	1	0.0061	0.0010	0.0016	0.0003	0.66	0.02
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	93	2	0.0062	0.0007	0.0013	0.0001	0.73	0.00
10/29/2001	2:45 PM	50	2 of 2	83	0	0.0058	0.0002	0.0013	0.0001	0.69	0.04
02/13/2002	8:30 AM	120	1 of 2	26	0	0.010	0.000	0.0021	0.0002	0.64	0.01
02/13/2002	8:30 AM	120	2 of 2	28	2	0.0096	0.0003	0.0022	0.0002	0.64	0.03
04/22/2002	12:20 PM	120	1 of 2	28	0	0.010	0.000	0.0023	0.0002	0.71	0.02
04/22/2002	12:20 PM	120	2 of 2	26	0	0.011	0.001	0.0022	0.0002	0.72	0.01
08/07/2002	12:10 PM	10	1 of 2	5.3	0.6	0.0020	0.0005	0.0003	0.0001	0.61	0.03
08/07/2002	12:10 PM	10	2 of 2	5.3	0.4	0.0014	0.0003	0.0004	0.0001	0.61	0.03
08/07/2002	12:40 PM	47	1 of 2	6.2	0.3	0.0032	0.0010	0.0009	0.0001	0.55	0.03
08/07/2002	12:40 PM	47	2 of 2	6.5	0.5	0.0042	0.0005	0.0008	0.0001	0.55	0.02
08/08/2002	2:50 PM	80	1 of 2	6.8	1.9	0.0040	0.0005	0.0010	0.0003	0.65	0.04
08/08/2002	2:50 PM	80	2 of 2	6.2	0.4	0.0042	0.0004	0.0010	0.0001	0.65	0.03
11/05/2002	2:30 PM	10	1 of 2	32	1	0.0036	0.0000	0.0006	0.0001	0.79	0.07
11/05/2002	2:30 PM	10	2 of 2	30	1	0.0037	0.0006	0.0007	0.0002	0.76	0.00
11/05/2002	2:10 PM	30	1 of 2	50	0	0.0052	0.0011	0.0011	0.0001	0.81	0.08
11/05/2002	2:10 PM	30	2 of 2	52	2	0.0042	0.0001	0.0008	0.0001	0.81	0.07
01/29/2003	2:00 PM	10	1 of 2	28	2	0.011	0.001	0.0024	0.0001	0.75	0.01
01/29/2003	2:00 PM	10	2 of 2	28	1	0.012	0.001	0.0025	0.0001	0.76	0.00
01/28/2003	3:30 PM	120	1 of 2	26	0	0.011	0.001	0.0026	0.0001	0.64	0.00
01/28/2003	3:30 PM	120	2 of 2	23	1	0.011	0.001	0.0025	0.0001	0.63	0.01
04/17/2003	10:30 AM	125	1 of 2	14	0	0.0072	0.0004	0.0015	0.0004	0.59	0.03
04/17/2003	10:30 AM	125	2 of 2	15	1	0.0079	0.0008	0.0016	0.0002	0.59	0.03
08/07/2003	11:30 AM	1	1 of 2	3.6	0.3	0.0015	0.0001	0.0003	0.0001	0.60	0.03
08/07/2003	11:30 AM	1	2 of 2	3.9	0.6	0.0013	0.0002	0.0002	0.0001	0.60	0.01
08/07/2003	11:50 AM	100	1 of 2	6.1	0.2	0.0042	0.0000	0.0011	0.0001	0.65	0.01
08/07/2003	11:50 AM	100	2 of 2	6.6	0.3	0.0042	0.0008	0.0010	0.0002	0.68	0.04

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01046)		Gadolinium (Gd) µg/L (50575)		Holmium (Ho) µg/L (50577)		Potassium (K) mg/L (00935)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	71	1	0.0037	0.0003	0.0008	0.0001	0.82	0.01
10/31/2001	10:15 AM	12	2 of 2	66	5	0.0036	0.0005	0.0008	0.0001	0.75	0.08
02/13/2002	9:00 AM	80	1 of 2	32	2	0.0080	0.0017	0.0016	0.0000	0.51	0.00
02/13/2002	9:00 AM	80	2 of 2	32	1	0.0084	0.0002	0.0020	0.0001	0.51	0.01
04/22/2002	10:40 AM	80	1 of 2	33	0	0.0097	0.0006	0.0020	0.0001	0.64	0.01
04/22/2002	10:40 AM	80	2 of 2	33	0	0.0087	0.0003	0.0020	0.0003	0.65	0.01
08/06/2002	5:50 PM	10	1 of 2	9.4	3.9	0.0020	0.0001	0.0005	0.0001	0.60	0.02
08/06/2002	5:50 PM	10	2 of 2	8.8	2.3	0.0016	0.0005	0.0005	0.0001	0.61	0.01
08/06/2002	6:20 PM	55	1 of 2	90	2	0.0046	0.0006	0.0009	0.0000	0.58	0.02
08/06/2002	6:20 PM	55	2 of 2	87	1	0.0045	0.0002	0.0008	0.0001	0.58	0.04
11/05/2002	4:10 PM	7	1 of 2	54	1	0.0043	0.0001	0.0010	0.0000	1.0	0.0
11/05/2002	4:10 PM	7	2 of 2	46	1	0.0034	0.0013	0.0008	0.0000	0.99	0.05
01/29/2003	1:20 PM	10	1 of 2	26	1	0.011	0.001	0.0024	0.0001	0.56	0.01
01/29/2003	1:20 PM	10	2 of 2	26	0	0.012	0.001	0.0027	0.0001	0.56	0.00
01/28/2003	2:50 PM	85	1 of 2	29	1	0.012	0.001	0.0026	0.0001	0.63	0.01
01/28/2003	2:50 PM	85	2 of 2	28	1	0.012	0.001	0.0026	0.0001	0.63	0.01
04/17/2003	11:30 AM	90	1 of 2	21	1	0.011	0.001	0.0024	0.0001	0.64	0.00
04/17/2003	11:30 AM	90	2 of 2	21	0	0.0096	0.0006	0.0022	0.0002	0.64	0.01
08/07/2003	10:00 AM	1	1 of 2	7.3	0.3	0.0017	0.0001	0.0003	0.0000	0.57	0.01
08/07/2003	10:00 AM	1	2 of 2	7.4	0.2	0.0014	0.0003	0.0004	0.0000	0.59	0.02
08/06/2003	3:00 PM	100	1 of 2	23	1	0.0057	0.0005	0.0012	0.0001	0.59	0.04
08/06/2003	3:00 PM	100	2 of 2	22	1	0.0061	0.0007	0.0014	0.0001	0.56	0.00
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	17	0	0.0029	0.0006	0.0014	0.0008	0.78	0.03
10/31/2001	1:00 PM	4	2 of 2	14	0	0.0026	0.0002	0.0006	0.0000	0.79	0.01
02/13/2002	1:00 PM	20	1 of 2	28	2	0.012	0.000	0.0023	0.0000	0.73	0.03
02/13/2002	1:00 PM	20	2 of 2	29	1	0.010	0.001	0.0025	0.0001	0.74	0.02
04/23/2002	12:10 PM	20	1 of 2	26	0	0.0056	0.0009	0.0010	0.0000	0.67	0.01
04/23/2002	12:10 PM	20	2 of 2	26	0	0.0059	0.0007	0.0013	0.0004	0.67	0.01
08/07/2002	6:50 PM	57	1 of 2	13	1	0.0059	0.0002	0.0013	0.0001	0.57	0.03
08/07/2002	6:50 PM	57	2 of 2	14	1	0.0059	0.0009	0.0011	0.0001	0.57	0.04
01/30/2003	3:30 PM	55	1 of 2	32	1	0.014	0.001	0.0029	0.0002	0.69	0.01
01/30/2003	3:30 PM	55	2 of 2	32	1	0.015	0.000	0.0030	0.0004	0.71	0.02
04/17/2003	2:30 PM	55	1 of 2	28	0	0.013	0.000	0.0029	0.0002	0.60	0.02
04/17/2003	2:30 PM	55	2 of 2	29	0	0.013	0.000	0.0026	0.0001	0.59	0.02
08/07/2003	4:00 PM	1	1 of 2	21	0	0.0029	0.0002	0.0006	0.0001	0.58	0.01
08/07/2003	4:00 PM	1	2 of 2	20	1	0.0030	0.0005	0.0009	0.0001	0.60	0.03

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Iron (Fe) µg/L (01046)		Gadolinium (Gd) µg/L (50575)		Holmium (Ho) µg/L (50577)		Potassium (K) mg/L (00935)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	5.5	0.4	0.0019	0.0002	0.0004	0.0001	0.61	0.03
08/07/2002	3:40 PM	10	2 of 2	6.0	0.6	0.0015	0.0002	0.0004	0.0002	0.60	0.03
04/17/2003	1:20 PM	80	1 of 2	16	0	0.0084	0.0013	0.0016	0.0001	0.62	0.00
04/17/2003	1:20 PM	80	2 of 2	17	0	0.0077	0.0014	0.0017	0.0004	0.63	0.02
08/07/2003	1:00 PM	1	1 of 2	4.1	0.2	0.0013	0.0006	0.0003	0.0001	0.61	0.01
08/07/2003	1:00 PM	1	2 of 2	4.8	0.6	0.0015	0.0001	0.0002	0.0001	0.59	0.01
08/07/2003	1:30 PM	40	1 of 2	3.4	0.2	0.0032	0.0003	0.0009	0.0002	0.57	0.01
08/07/2003	1:30 PM	40	2 of 2	3.4	0.1	0.0036	0.0001	0.0007	0.0001	0.59	0.00
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	29,000	0	4.9	0.0	1.1	0.0	5.7	0.0
10/31/2001	2:15 PM	1	2 of 2	30,000	1,000	5.0	0.0	1.2	0.0	5.9	0.3
02/13/2002	3:10 PM	10	1 of 2	38	2	0.011	0.001	0.0023	0.0002	0.78	0.03
02/13/2002	3:10 PM	10	2 of 2	39	1	0.011	0.001	0.0028	0.0001	0.76	0.01
02/13/2002	3:30 PM	35	1of 1	26	1	0.016	0.001	0.0037	0.0002	0.73	0.00
04/24/2002	11:10 AM	30	1 of 2	27	0	0.0095	0.0011	0.0022	0.0002	0.62	0.01
04/24/2002	11:10 AM	30	2 of 2	28	1	0.013	0.001	0.0024	0.0003	0.62	0.01
08/07/2002	5:00 PM	1	1 of 2	520	2	0.59	0.00	0.15	0.00	1.5	0.1
08/07/2002	5:00 PM	1	2 of 2	520	1	0.59	0.01	0.15	0.00	1.4	0.0
11/05/2002	2:50 PM	0	1 of 2	8,170	27	3.0	0.1	0.71	0.00	4.3	0.1
11/05/2002	2:50 PM	0	2 of 2	8,120	86	3.0	0.2	0.72	0.01	4.3	0.3
01/30/2003	12:30 PM	10	1 of 2	29	1	0.012	0.000	0.0026	0.0001	0.80	0.01
01/30/2003	12:30 PM	10	2 of 2	28	1	0.011	0.001	0.0026	0.0001	0.82	0.03
01/30/2003	1:20 PM	38	1 of 2	40	0	0.49	0.01	0.12	0.00	1.2	0.0
01/30/2003	1:20 PM	38	2 of 2	40	1	0.49	0.00	0.12	0.00	1.2	0.0
04/17/2003	4:00 PM	40	1 of 2	88	0	0.77	0.00	0.19	0.00	1.0	0.0
04/17/2003	4:00 PM	40	2 of 2	87	1	0.79	0.00	0.19	0.01	1.0	0.0
08/07/2003	4:30 PM	1	1 of 2	7.2	0.9	0.015	0.000	0.0045	0.0000	1.0	0.0
08/07/2003	4:30 PM	1	2 of 2	6.7	0.3	0.019	0.000	0.0047	0.0002	0.97	0.02
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	3,500	0	2.1	0.0	0.53	0.01	2.1	0.0
02/13/2002	2:20 PM	52	1 of 2	69	2	0.019	0.002	0.0039	0.0001	0.69	0.01
02/13/2002	2:20 PM	52	2 of 2	73	3	0.020	0.000	0.0043	0.0001	0.69	0.02
04/23/2002	1:10 PM	20	1 of 2	26	0	0.0055	0.0006	0.0011	0.0003	0.67	0.01
04/23/2002	1:10 PM	20	2 of 2	26	1	0.0045	0.0001	0.0012	0.0002	0.67	0.01
11/05/2002	2:00 PM	1	1 of 2	924	12	11	0	3.1	0.1	3.0	0.0
11/05/2002	2:00 PM	1	2 of 2	919	2	12	0	3.2	0.1	3.0	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01180)		Lithium (Li) µg/L (01130)		Lutetium (Lu) µg/L (62844)		Magnesium (Mg) mg/L (00925)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.0041	0.0003	0.10	0.01	0.0006	0.0001	5.8	0.1
10/30/2001	5:15 PM	10	2 of 2	0.0037	0.0001	0.10	0.01	0.0005	0.0000	5.7	0.1
02/12/2002	12:00 PM	8	1 of 2	0.017	0.001	0.20	0.01	0.0012	0.0001	4.3	0.1
02/12/2002	12:00 PM	8	2 of 2	0.019	0.001	0.20	0.03	0.0012	0.0001	4.2	0.2
04/22/2002	3:20 PM	10	1 of 2	0.011	0.000	0.27	0.02	0.0004	0.0001	3.5	0.0
04/22/2002	3:20 PM	10	2 of 2	0.010	0.000	0.27	0.03	0.0006	0.0001	3.5	0.0
08/06/2002	4:30 PM	10	1 of 2	0.0032	0.0002	0.23	0.02	0.0002	0.0001	3.3	0.1
08/06/2002	4:30 PM	10	2 of 2	0.0036	0.0005	0.19	0.03	0.0002	0.0001	3.3	0.0
04/15/2003	10:30 AM	40	1 of 2	0.012	0.000	0.20	0.01	0.0007	0.0000	2.9	0.0
04/15/2003	10:30 AM	40	2 of 2	0.012	0.001	0.22	0.01	0.0008	0.0002	3.0	0.0
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.019	0.001	0.16	0.01	0.0012	0.0001	4.8	0.2
11/01/2001	8:30 AM	70	2 of 2	0.020	0.000	0.14	0.01	0.0013	0.0000	5.2	0.2
02/12/2002	11:00 AM	140	1 of 2	0.020	0.001	0.24	0.03	0.0010	0.0002	3.6	0.0
02/12/2002	11:00 AM	140	2 of 2	0.021	0.000	0.23	0.03	0.0013	0.0001	3.6	0.0
04/22/2002	3:00 PM	140	1 of 2	0.022	0.001	0.26	0.01	0.0011	0.0001	3.5	0.0
04/22/2002	3:00 PM	140	2 of 2	0.023	0.001	0.27	0.02	0.0010	0.0002	3.5	0.0
08/08/2002	12:00 PM	45	1 of 2	0.0085	0.0010	0.23	0.04	0.0005	0.0000	2.8	0.0
08/08/2002	12:00 PM	45	2 of 2	0.0082	0.0006	0.22	0.01	0.0006	0.0001	2.8	0.1
08/08/2002	1:30 PM	113	1 of 2	0.0066	0.0009	0.20	0.03	0.0008	0.0001	3.5	0.0
08/08/2002	1:30 PM	113	2 of 2	0.0062	0.0001	0.26	0.03	0.0006	0.0001	3.5	0.0
11/04/2002	3:50 PM	10	1 of 2	0.011	0.000	0.13	0.01	0.0005	0.0003	4.8	0.0
11/04/2002	3:50 PM	10	2 of 2	0.011	0.000	0.12	0.00	0.0007	0.0002	4.8	0.0
11/04/2002	3:20 PM	55	1 of 2	0.0081	0.0008	0.10	0.00	0.0005	0.0000	5.0	0.0
11/04/2002	3:20 PM	55	2 of 2	0.0081	0.0001	0.11	0.01	0.0007	0.0002	5.0	0.1
01/29/2003	2:30 PM	10	1 of 2	0.027	0.000	0.19	0.00	0.0014	0.0001	3.3	0.0
01/29/2003	2:30 PM	10	2 of 2	0.027	0.000	0.20	0.00	0.0014	0.0000	3.4	0.0
01/28/2003	4:40 PM	140	1 of 2	0.026	0.000	0.23	0.01	0.0011	0.0002	2.5	0.0
01/28/2003	4:40 PM	140	2 of 2	0.026	0.001	0.23	0.01	0.0011	0.0002	2.5	0.0
04/16/2003	4:00 PM	150	1 of 2	0.015	0.000	0.22	0.00	0.0011	0.0002	2.6	0.0
04/16/2003	4:00 PM	150	2 of 2	0.016	0.000	0.20	0.01	0.0009	0.0001	2.7	0.1
08/05/2003	12:30 PM	1	1 of 2	0.0025	0.0005	0.23	0.01	0.0002	0.0001	3.0	0.1
08/05/2003	12:30 PM	1	2 of 2	0.0024	0.0000	0.22	0.02	0.0002	0.0001	3.0	0.0
08/05/2003	3:30 PM	73	1 of 2	0.0089	0.0011	0.26	0.01	0.0008	0.0002	2.8	0.1
08/05/2003	3:30 PM	73	2 of 2	0.0094	0.0005	0.26	0.00	0.0008	0.0000	2.8	0.1
08/05/2003	1:00 PM	120	1 of 2	0.0092	0.0007	0.22	0.01	0.0008	0.0002	3.0	0.1
08/05/2003	1:00 PM	120	2 of 2	0.0089	0.0005	0.23	0.01	0.0008	0.0002	3.0	0.0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01180)		Lithium (Li) µg/L (01130)		Lutetium (Lu) µg/L (62844)		Magnesium (Mg) mg/L (00925)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.0042	0.0002	0.096	0.009	0.0004	0.0001	6.2	0.0
10/29/2001	4:15 PM	6	2 of 2	0.0037	0.0003	0.10	0.02	0.0006	0.0001	5.9	0.1
02/12/2002	1:30 PM	60	1 of 2	0.017	0.000	0.19	0.02	0.0010	0.0001	4.2	0.3
02/12/2002	1:30 PM	60	2 of 2	0.017	0.000	0.22	0.03	0.0010	0.0002	4.3	0.1
04/22/2002	1:50 PM	10	1 of 2	0.012	0.000	0.30	0.03	0.0006	0.0001	3.5	0.1
04/22/2002	1:50 PM	10	2 of 2	0.012	0.000	0.27	0.01	0.0005	0.0001	3.5	0.0
04/15/2003	12:40 PM	32	1 of 2	0.012	0.001	0.21	0.00	0.0007	0.0001	3.0	0.1
04/15/2003	12:40 PM	32	2 of 2	0.012	0.001	0.21	0.01	0.0007	0.0002	3.0	0.1
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.023	0.004	0.12	0.01	0.0009	0.0002	5.4	0.0
10/29/2001	2:45 PM	50	2 of 2	0.019	0.001	0.12	0.02	0.0007	0.0000	5.0	0.0
02/13/2002	8:30 AM	120	1 of 2	0.021	0.000	0.26	0.02	0.0011	0.0001	3.6	0.2
02/13/2002	8:30 AM	120	2 of 2	0.021	0.001	0.25	0.02	0.0011	0.0002	3.5	0.3
04/22/2002	12:20 PM	120	1 of 2	0.024	0.001	0.27	0.03	0.0011	0.0001	3.5	0.1
04/22/2002	12:20 PM	120	2 of 2	0.022	0.000	0.26	0.01	0.0010	0.0000	3.5	0.0
08/07/2002	12:10 PM	10	1 of 2	0.0036	0.0002	0.20	0.02	0.0005	0.0001	3.4	0.0
08/07/2002	12:10 PM	10	2 of 2	0.0039	0.0006	0.18	0.03	0.0003	0.0001	3.4	0.0
08/07/2002	12:40 PM	47	1 of 2	0.0068	0.0003	0.18	0.00	0.0006	0.0001	3.0	0.0
08/07/2002	12:40 PM	47	2 of 2	0.0067	0.0004	0.21	0.01	0.0006	0.0001	3.0	0.0
08/08/2002	2:50 PM	80	1 of 2	0.010	0.001	0.23	0.03	0.0010	0.0000	3.4	0.0
08/08/2002	2:50 PM	80	2 of 2	0.0098	0.0004	0.21	0.02	0.0007	0.0000	3.4	0.0
11/05/2002	2:30 PM	10	1 of 2	0.0093	0.0004	0.11	0.00	0.0005	0.0001	5.0	0.0
11/05/2002	2:30 PM	10	2 of 2	0.0091	0.0006	0.12	0.01	0.0005	0.0001	5.0	0.1
11/05/2002	2:10 PM	30	1 of 2	0.013	0.000	0.11	0.01	0.0006	0.0000	5.2	0.0
11/05/2002	2:10 PM	30	2 of 2	0.014	0.001	0.11	0.00	0.0006	0.0001	5.2	0.0
01/29/2003	2:00 PM	10	1 of 2	0.025	0.001	0.22	0.01	0.0013	0.0002	3.1	0.0
01/29/2003	2:00 PM	10	2 of 2	0.025	0.001	0.22	0.02	0.0012	0.0001	3.0	0.0
01/28/2003	3:30 PM	120	1 of 2	0.025	0.001	0.24	0.01	0.0013	0.0001	2.5	0.0
01/28/2003	3:30 PM	120	2 of 2	0.026	0.001	0.25	0.02	0.0012	0.0001	2.5	0.0
04/17/2003	10:30 AM	125	1 of 2	0.015	0.001	0.22	0.03	0.0008	0.0001	2.8	0.0
04/17/2003	10:30 AM	125	2 of 2	0.016	0.001	0.22	0.01	0.0010	0.0001	2.8	0.1
08/07/2003	11:30 AM	1	1 of 2	0.0035	0.0003	0.22	0.01	0.0002	0.0001	3.0	0.1
08/07/2003	11:30 AM	1	2 of 2	0.0032	0.0003	0.22	0.01	0.0003	0.0001	2.9	0.0
08/07/2003	11:50 AM	100	1 of 2	0.0093	0.0006	0.23	0.01	0.0008	0.0001	3.1	0.1
08/07/2003	11:50 AM	100	2 of 2	0.0094	0.0004	0.24	0.02	0.0008	0.0001	3.1	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01180)		Lithium (Li) µg/L (01130)		Lutetium (Lu) µg/L (62844)		Magnesium (Mg) mg/L (00925)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.012	0.000	0.11	0.01	0.0005	0.0001	5.9	0.1
10/31/2001	10:15 AM	12	2 of 2	0.012	0.000	0.12	0.01	0.0006	0.0000	5.4	0.4
02/13/2002	9:00 AM	80	1 of 2	0.020	0.001	0.29	0.02	0.0008	0.0001	3.1	0.1
02/13/2002	9:00 AM	80	2 of 2	0.021	0.001	0.30	0.03	0.0008	0.0002	3.0	0.1
04/22/2002	10:40 AM	80	1 of 2	0.021	0.000	0.27	0.02	0.0009	0.0001	3.2	0.0
04/22/2002	10:40 AM	80	2 of 2	0.021	0.000	0.28	0.02	0.0009	0.0001	3.1	0.0
08/06/2002	5:50 PM	10	1 of 2	0.0045	0.0003	0.19	0.02	0.0003	0.0001	3.5	0.0
08/06/2002	5:50 PM	10	2 of 2	0.0052	0.0007	0.21	0.02	0.0003	0.0000	3.5	0.0
08/06/2002	6:20 PM	55	1 of 2	0.0096	0.0006	0.20	0.02	0.0006	0.0001	3.3	0.0
08/06/2002	6:20 PM	55	2 of 2	0.0099	0.0002	0.20	0.01	0.0005	0.0001	3.4	0.0
11/05/2002	4:10 PM	7	1 of 2	0.013	0.000	0.13	0.00	0.0007	0.0000	5.2	0.1
11/05/2002	4:10 PM	7	2 of 2	0.011	0.000	0.12	0.00	0.0005	0.0000	5.2	0.0
01/29/2003	1:20 PM	10	1 of 2	0.027	0.001	0.25	0.00	0.0012	0.0001	2.3	0.0
01/29/2003	1:20 PM	10	2 of 2	0.028	0.000	0.27	0.00	0.0011	0.0000	2.3	0.0
01/28/2003	2:50 PM	85	1 of 2	0.026	0.001	0.25	0.01	0.0012	0.0000	2.5	0.0
01/28/2003	2:50 PM	85	2 of 2	0.025	0.000	0.25	0.01	0.0013	0.0002	2.6	0.0
04/17/2003	11:30 AM	90	1 of 2	0.026	0.001	0.23	0.01	0.0013	0.0001	2.7	0.0
04/17/2003	11:30 AM	90	2 of 2	0.026	0.001	0.20	0.00	0.0012	0.0001	2.8	0.1
08/07/2003	10:00 AM	1	1 of 2	0.0047	0.0002	0.23	0.02	0.0003	0.0001	3.2	0.1
08/07/2003	10:00 AM	1	2 of 2	0.0042	0.0002	0.22	0.01	0.0003	0.0000	3.2	0.1
08/06/2003	3:00 PM	100	1 of 2	0.013	0.000	0.21	0.02	0.0007	0.0001	3.2	0.1
08/06/2003	3:00 PM	100	2 of 2	0.013	0.001	0.20	0.01	0.0006	0.0002	3.2	0.1
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.0070	0.0007	0.11	0.02	0.0009	0.0000	5.9	0.1
10/31/2001	1:00 PM	4	2 of 2	0.0060	0.0004	0.12	0.01	0.0007	0.0001	6.2	0.1
02/13/2002	1:00 PM	20	1 of 2	0.021	0.000	0.21	0.03	0.0014	0.0003	4.0	0.2
02/13/2002	1:00 PM	20	2 of 2	0.022	0.001	0.22	0.03	0.0012	0.0000	4.1	0.2
04/23/2002	12:10 PM	20	1 of 2	0.012	0.001	0.28	0.02	0.0006	0.0002	3.5	0.0
04/23/2002	12:10 PM	20	2 of 2	0.012	0.000	0.30	0.02	0.0006	0.0002	3.4	0.0
08/07/2002	6:50 PM	57	1 of 2	0.011	0.000	0.23	0.01	0.0008	0.0000	3.3	0.0
08/07/2002	6:50 PM	57	2 of 2	0.012	0.001	0.20	0.05	0.0008	0.0000	3.3	0.1
01/30/2003	3:30 PM	55	1 of 2	0.029	0.000	0.25	0.00	0.0015	0.0001	2.9	0.0
01/30/2003	3:30 PM	55	2 of 2	0.030	0.001	0.25	0.00	0.0012	0.0001	2.9	0.0
04/17/2003	2:30 PM	55	1 of 2	0.026	0.000	0.23	0.01	0.0014	0.0001	3.1	0.1
04/17/2003	2:30 PM	55	2 of 2	0.025	0.000	0.23	0.01	0.0013	0.0000	3.0	0.1
08/07/2003	4:00 PM	1	1 of 2	0.0060	0.0003	0.25	0.02	0.0005	0.0001	3.3	0.1
08/07/2003	4:00 PM	1	2 of 2	0.0065	0.0003	0.25	0.01	0.0004	0.0001	3.3	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Lanthanum (La) µg/L (01180)		Lithium (Li) µg/L (01130)		Lutetium (Lu) µg/L (62844)		Magnesium (Mg) mg/L (00925)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.0036	0.0001	0.20	0.01	0.0003	0.0001	3.4	0.0
08/07/2002	3:40 PM	10	2 of 2	0.0035	0.0001	0.18	0.02	0.0003	0.0001	3.4	0.0
04/17/2003	1:20 PM	80	1 of 2	0.016	0.000	0.21	0.01	0.0007	0.0001	2.9	0.0
04/17/2003	1:20 PM	80	2 of 2	0.017	0.001	0.20	0.01	0.0010	0.0001	2.9	0.0
08/07/2003	1:00 PM	1	1 of 2	0.0036	0.0002	0.21	0.01	0.0002	0.0001	3.0	0.0
08/07/2003	1:00 PM	1	2 of 2	0.0033	0.0002	0.21	0.01	0.0003	0.0002	2.9	0.0
08/07/2003	1:30 PM	40	1 of 2	0.0053	0.0008	0.23	0.01	0.0004	0.0001	2.6	0.1
08/07/2003	1:30 PM	40	2 of 2	0.0054	0.0002	0.24	0.02	0.0005	0.0001	2.5	0.1
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	8.7	0.2	5.8	0.0	0.38	0.00	32	0
10/31/2001	2:15 PM	1	2 of 2	9.0	0.2	5.9	0.0	0.40	0.00	32	1
02/13/2002	3:10 PM	10	1 of 2	0.020	0.001	0.21	0.03	0.0011	0.0001	4.2	0.0
02/13/2002	3:10 PM	10	2 of 2	0.021	0.000	0.24	0.00	0.0010	0.0002	4.0	0.0
02/13/2002	3:30 PM	35	1of 1	0.031	0.000	0.31	0.04	0.0016	0.0000	4.0	0.1
04/24/2002	11:10 AM	30	1 of 2	0.023	0.001	0.33	0.01	0.0010	0.0003	3.2	0.0
04/24/2002	11:10 AM	30	2 of 2	0.023	0.001	0.34	0.03	0.0012	0.0002	3.2	0.0
08/07/2002	5:00 PM	1	1 of 2	1.2	0.0	1.7	0.0	0.047	0.000	9.2	0.3
08/07/2002	5:00 PM	1	2 of 2	1.2	0.0	1.7	0.1	0.046	0.000	9.4	0.1
11/05/2002	2:50 PM	0	1 of 2	5.2	0.0	4.8	0.3	0.24	0.00	24	0
11/05/2002	2:50 PM	0	2 of 2	5.2	0.1	4.8	0.4	0.24	0.01	23	0
01/30/2003	12:30 PM	10	1 of 2	0.023	0.000	0.23	0.02	0.0013	0.0001	3.3	0.0
01/30/2003	12:30 PM	10	2 of 2	0.024	0.000	0.24	0.03	0.0013	0.0002	3.2	0.0
01/30/2003	1:20 PM	38	1 of 2	0.83	0.00	1.07	0.05	0.040	0.000	7.1	0.0
01/30/2003	1:20 PM	38	2 of 2	0.81	0.00	1.08	0.03	0.039	0.000	7.1	0.0
04/17/2003	4:00 PM	40	1 of 2	1.4	0.0	1.3	0.0	0.062	0.000	6.7	0.1
04/17/2003	4:00 PM	40	2 of 2	1.4	0.0	1.3	0.0	0.063	0.001	6.6	0.0
08/07/2003	4:30 PM	1	1 of 2	0.048	0.000	0.63	0.02	0.0018	0.0001	4.8	0.0
08/07/2003	4:30 PM	1	2 of 2	0.050	0.001	0.60	0.02	0.0016	0.0002	4.6	0.0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	3.8	0.2	1.1	0.0	0.16	0.00	42	0
02/13/2002	2:20 PM	52	1 of 2	0.038	0.000	0.25	0.03	0.0018	0.0003	4.2	0.1
02/13/2002	2:20 PM	52	2 of 2	0.037	0.002	0.28	0.04	0.0018	0.0000	4.0	0.1
04/23/2002	1:10 PM	20	1 of 2	0.011	0.001	0.29	0.02	0.0007	0.0000	3.5	0.0
04/23/2002	1:10 PM	20	2 of 2	0.012	0.001	0.31	0.01	0.0005	0.0001	3.5	0.0
11/05/2002	2:00 PM	1	1 of 2	14	0	6.3	0.1	0.97	0.02	130	2
11/05/2002	2:00 PM	1	2 of 2	14	0	6.7	0.0	0.98	0.06	130	0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01056)		Molybdenum (Mo) µg/L (01060)		Sodium (Na) mg/L (00930)		Neodymium (Nd) µg/L (50579)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.5	0.0	0.55	0.02	5.5	0.0	0.0060	0.0013
10/30/2001	5:15 PM	10	2 of 2	0.5	0.0	0.56	0.05	5.4	0.5	0.0046	0.0001
02/12/2002	12:00 PM	8	1 of 2	0.5	0.0	0.31	0.05	4.1	0.1	0.028	0.001
02/12/2002	12:00 PM	8	2 of 2	0.4	0.0	0.31	0.05	4.0	0.2	0.030	0.003
04/22/2002	3:20 PM	10	1 of 2	0.54	0.09	0.27	0.02	3.4	0.1	0.018	0.001
04/22/2002	3:20 PM	10	2 of 2	0.51	0.03	0.27	0.02	3.4	0.0	0.017	0.002
08/06/2002	4:30 PM	10	1 of 2	0.28	0.03	0.29	0.01	3.6	0.0	0.0037	0.0005
08/06/2002	4:30 PM	10	2 of 2	0.27	0.03	0.35	0.06	3.7	0.0	0.0042	0.0007
04/15/2003	10:30 AM	40	1 of 2	2.6	0.0	0.39	0.13	3.1	0.1	0.018	0.001
04/15/2003	10:30 AM	40	2 of 2	2.5	0.0	0.35	0.10	3.1	0.1	0.017	0.001
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	3,100	100	0.99	0.04	4.1	0.2	0.033	0.002
11/01/2001	8:30 AM	70	2 of 2	3,300	100	1.1	0.0	4.4	0.2	0.037	0.001
02/12/2002	11:00 AM	140	1 of 2	6.4	0.1	0.36	0.05	3.4	0.0	0.032	0.003
02/12/2002	11:00 AM	140	2 of 2	6.4	0.1	0.35	0.04	3.5	0.1	0.033	0.002
04/22/2002	3:00 PM	140	1 of 2	4.4	0.1	0.26	0.01	3.3	0.1	0.039	0.001
04/22/2002	3:00 PM	140	2 of 2	4.4	0.0	0.25	0.02	3.3	0.0	0.037	0.002
08/08/2002	12:00 PM	45	1 of 2	2.7	0.0	0.29	0.02	3.2	0.0	0.013	0.001
08/08/2002	12:00 PM	45	2 of 2	2.6	0.1	0.27	0.03	3.2	0.0	0.012	0.000
08/08/2002	1:30 PM	113	1 of 2	0.95	0.02	0.24	0.06	3.3	0.0	0.013	0.002
08/08/2002	1:30 PM	113	2 of 2	1.0	0.0	0.29	0.12	3.3	0.0	0.012	0.000
11/04/2002	3:50 PM	10	1 of 2	1,250	0	0.56	0.04	4.2	0.0	0.019	0.001
11/04/2002	3:50 PM	10	2 of 2	1,260	1	0.54	0.02	4.3	0.0	0.019	0.005
11/04/2002	3:20 PM	55	1 of 2	205	6	0.54	0.08	4.5	0.0	0.013	0.001
11/04/2002	3:20 PM	55	2 of 2	202	1	0.50	0.10	4.6	0.0	0.012	0.002
01/29/2003	2:30 PM	10	1 of 2	0.33	0.01	0.27	0.01	3.2	0.1	0.043	0.001
01/29/2003	2:30 PM	10	2 of 2	0.33	0.06	0.26	0.03	3.2	0.1	0.046	0.001
01/28/2003	4:40 PM	140	1 of 2	17	0	0.29	0.02	2.7	0.0	0.045	0.000
01/28/2003	4:40 PM	140	2 of 2	17	0	0.28	0.00	2.6	0.0	0.043	0.003
04/16/2003	4:00 PM	150	1 of 2	17	0	0.29	0.03	3.0	0.1	0.028	0.002
04/16/2003	4:00 PM	150	2 of 2	17	0	0.25	0.03	3.0	0.1	0.026	0.001
08/05/2003	12:30 PM	1	1 of 2	0.22	0.03	0.29	0.02	3.4	0.2	0.0035	0.0007
08/05/2003	12:30 PM	1	2 of 2	0.19	0.07	0.28	0.01	3.4	0.1	0.0022	0.0007
08/05/2003	3:30 PM	73	1 of 2	2.5	0.1	0.22	0.01	3.1	0.1	0.016	0.001
08/05/2003	3:30 PM	73	2 of 2	2.4	0.1	0.21	0.03	2.9	0.1	0.016	0.002
08/05/2003	1:00 PM	120	1 of 2	390	3	0.34	0.01	3.1	0.1	0.016	0.002
08/05/2003	1:00 PM	120	2 of 2	393	6	0.31	0.01	3.0	0.1	0.015	0.000

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01056)		Molybdenum (Mo) µg/L (01060)		Sodium (Na) mg/L (00930)		Neodymium (Nd) µg/L (50579)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.2	0.1	0.55	0.02	5.6	0.3	0.0064	0.0016
10/29/2001	4:15 PM	6	2 of 2	0.2	0.0	0.56	0.02	5.6	0.3	0.0057	0.0010
02/12/2002	1:30 PM	60	1 of 2	0.7	0.1	0.29	0.01	4.1	0.4	0.029	0.001
02/12/2002	1:30 PM	60	2 of 2	0.7	0.0	0.30	0.01	4.1	0.2	0.031	0.000
04/22/2002	1:50 PM	10	1 of 2	0.69	0.03	0.30	0.03	3.4	0.0	0.019	0.001
04/22/2002	1:50 PM	10	2 of 2	0.66	0.02	0.26	0.01	3.4	0.0	0.020	0.000
04/15/2003	12:40 PM	32	1 of 2	1.1	0.0	0.26	0.00	3.1	0.1	0.020	0.001
04/15/2003	12:40 PM	32	2 of 2	1.2	0.0	0.26	0.01	3.1	0.1	0.020	0.002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	230	0	0.48	0.00	5.1	0.3	0.032	0.005
10/29/2001	2:45 PM	50	2 of 2	210	0	0.43	0.03	4.8	0.3	0.028	0.000
02/13/2002	8:30 AM	120	1 of 2	2.4	0.1	0.31	0.02	3.8	0.1	0.036	0.001
02/13/2002	8:30 AM	120	2 of 2	2.4	0.0	0.28	0.03	3.8	0.1	0.033	0.001
04/22/2002	12:20 PM	120	1 of 2	3.4	0.0	0.28	0.05	3.3	0.0	0.041	0.000
04/22/2002	12:20 PM	120	2 of 2	3.5	0.0	0.27	0.04	3.4	0.0	0.036	0.002
08/07/2002	12:10 PM	10	1 of 2	0.19	0.08	0.31	0.02	3.7	0.0	0.0043	0.0006
08/07/2002	12:10 PM	10	2 of 2	0.19	0.05	0.30	0.02	3.7	0.0	0.0052	0.0002
08/07/2002	12:40 PM	47	1 of 2	38	0	0.27	0.01	3.3	0.0	0.013	0.001
08/07/2002	12:40 PM	47	2 of 2	38	0	0.29	0.02	3.3	0.0	0.012	0.002
08/08/2002	2:50 PM	80	1 of 2	1.6	0.0	0.25	0.05	3.4	0.0	0.016	0.001
08/08/2002	2:50 PM	80	2 of 2	1.5	0.0	0.26	0.05	3.4	0.0	0.015	0.001
11/05/2002	2:30 PM	10	1 of 2	68	0	0.58	0.05	4.6	0.0	0.012	0.001
11/05/2002	2:30 PM	10	2 of 2	68	1	0.51	0.03	4.6	0.1	0.014	0.002
11/05/2002	2:10 PM	30	1 of 2	153	0	0.48	0.01	4.7	0.0	0.018	0.002
11/05/2002	2:10 PM	30	2 of 2	153	3	0.49	0.02	4.8	0.1	0.020	0.002
01/29/2003	2:00 PM	10	1 of 2	0.32	0.04	0.28	0.02	3.0	0.0	0.040	0.001
01/29/2003	2:00 PM	10	2 of 2	0.31	0.02	0.27	0.03	3.0	0.1	0.042	0.001
01/28/2003	3:30 PM	120	1 of 2	5.4	0.1	0.26	0.01	2.7	0.0	0.042	0.001
01/28/2003	3:30 PM	120	2 of 2	5.4	0.1	0.27	0.01	2.7	0.0	0.042	0.001
04/17/2003	10:30 AM	125	1 of 2	16	0	0.26	0.03	3.1	0.1	0.024	0.000
04/17/2003	10:30 AM	125	2 of 2	16	0	0.31	0.12	3.2	0.2	0.027	0.003
08/07/2003	11:30 AM	1	1 of 2	0.26	0.02	0.33	0.04	3.4	0.1	0.0036	0.0010
08/07/2003	11:30 AM	1	2 of 2	0.32	0.03	0.29	0.02	3.4	0.1	0.0037	0.0009
08/07/2003	11:50 AM	100	1 of 2	311	9	0.37	0.01	3.0	0.1	0.014	0.001
08/07/2003	11:50 AM	100	2 of 2	325	1	0.39	0.02	3.1	0.1	0.016	0.003

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01056)		Molybdenum (Mo) µg/L (01060)		Sodium (Na) mg/L (00930)		Neodymium (Nd) µg/L (50579)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	34	1	0.49	0.02	5.7	0.2	0.014	0.001
10/31/2001	10:15 AM	12	2 of 2	32	2	0.52	0.00	5.5	0.2	0.016	0.001
02/13/2002	9:00 AM	80	1 of 2	14	0	0.32	0.03	3.6	0.1	0.032	0.001
02/13/2002	9:00 AM	80	2 of 2	14	1	0.32	0.07	3.6	0.1	0.031	0.002
04/22/2002	10:40 AM	80	1 of 2	9.3	0.1	0.28	0.02	3.3	0.0	0.036	0.002
04/22/2002	10:40 AM	80	2 of 2	9.2	0.1	0.30	0.05	3.3	0.0	0.037	0.003
08/06/2002	5:50 PM	10	1 of 2	0.17	0.04	0.33	0.04	3.7	0.1	0.0061	0.0010
08/06/2002	5:50 PM	10	2 of 2	0.18	0.08	0.32	0.02	3.7	0.1	0.0072	0.0008
08/06/2002	6:20 PM	55	1 of 2	323	1	0.35	0.02	3.4	0.0	0.016	0.001
08/06/2002	6:20 PM	55	2 of 2	323	2	0.38	0.04	3.5	0.0	0.015	0.002
11/05/2002	4:10 PM	7	1 of 2	1.4	0.3	0.98	0.64	4.8	0.0	0.017	0.001
11/05/2002	4:10 PM	7	2 of 2	1.2	0.1	0.52	0.04	4.7	0.0	0.013	0.002
01/29/2003	1:20 PM	10	1 of 2	1.2	0.0	0.32	0.04	2.8	0.0	0.048	0.003
01/29/2003	1:20 PM	10	2 of 2	1.2	0.1	0.30	0.04	2.8	0.0	0.049	0.001
01/28/2003	2:50 PM	85	1 of 2	8.3	0.1	0.28	0.03	2.7	0.0	0.045	0.001
01/28/2003	2:50 PM	85	2 of 2	8.5	0.1	0.29	0.01	2.7	0.0	0.043	0.003
04/17/2003	11:30 AM	90	1 of 2	6.5	0.1	0.26	0.01	3.0	0.1	0.044	0.001
04/17/2003	11:30 AM	90	2 of 2	6.7	0.2	0.27	0.05	3.1	0.1	0.038	0.002
08/07/2003	10:00 AM	1	1 of 2	0.68	0.03	0.28	0.02	3.6	0.2	0.0058	0.0008
08/07/2003	10:00 AM	1	2 of 2	0.70	0.06	0.29	0.01	3.5	0.1	0.0052	0.0004
08/06/2003	3:00 PM	100	1 of 2	646	35	0.41	0.07	3.1	0.1	0.022	0.000
08/06/2003	3:00 PM	100	2 of 2	653	53	0.37	0.05	3.1	0.2	0.022	0.002
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	37	0	0.58	0.06	5.2	0.1	0.011	0.000
10/31/2001	1:00 PM	4	2 of 2	38	0	0.63	0.10	5.5	0.4	0.0095	0.0018
02/13/2002	1:00 PM	20	1 of 2	0.6	0.0	0.30	0.01	3.8	0.3	0.032	0.001
02/13/2002	1:00 PM	20	2 of 2	0.6	0.1	0.33	0.05	4.0	0.2	0.033	0.001
04/23/2002	12:10 PM	20	1 of 2	0.85	0.02	0.31	0.08	3.4	0.0	0.018	0.001
04/23/2002	12:10 PM	20	2 of 2	0.83	0.03	0.27	0.02	3.4	0.1	0.019	0.001
08/07/2002	6:50 PM	57	1 of 2	123	0	0.31	0.02	3.5	0.1	0.016	0.000
08/07/2002	6:50 PM	57	2 of 2	120	4	0.37	0.08	3.4	0.1	0.019	0.003
01/30/2003	3:30 PM	55	1 of 2	3.0	0.0	0.27	0.05	3.0	0.0	0.049	0.001
01/30/2003	3:30 PM	55	2 of 2	3.0	0.1	0.32	0.09	3.0	0.1	0.049	0.002
04/17/2003	2:30 PM	55	1 of 2	13	0	0.33	0.12	3.3	0.1	0.039	0.002
04/17/2003	2:30 PM	55	2 of 2	13	0	0.31	0.13	3.3	0.1	0.039	0.002
08/07/2003	4:00 PM	1	1 of 2	0.97	0.01	0.29	0.03	3.5	0.1	0.0092	0.0006
08/07/2003	4:00 PM	1	2 of 2	0.99	0.06	0.29	0.03	3.5	0.1	0.0091	0.0011

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Manganese (Mn) µg/L (01056)		Molybdenum (Mo) µg/L (01060)		Sodium (Na) mg/L (00930)		Neodymium (Nd) µg/L (50579)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.11	0.04	0.32	0.03	3.7	0.0	0.0053	0.0004
08/07/2002	3:40 PM	10	2 of 2	0.10	0.02	0.34	0.06	3.7	0.0	0.0044	0.0001
04/17/2003	1:20 PM	80	1 of 2	1.1	0.1	0.31	0.05	3.2	0.1	0.027	0.002
04/17/2003	1:20 PM	80	2 of 2	1.1	0.1	0.26	0.01	3.2	0.1	0.030	0.002
08/07/2003	1:00 PM	1	1 of 2	0.11	0.04	0.30	0.04	3.4	0.1	0.0051	0.0004
08/07/2003	1:00 PM	1	2 of 2	0.12	0.01	0.28	0.02	3.4	0.2	0.0041	0.0006
08/07/2003	1:30 PM	40	1 of 2	23	1	0.24	0.01	3.1	0.1	0.0092	0.0014
08/07/2003	1:30 PM	40	2 of 2	23	1	0.24	0.04	3.0	0.1	0.0089	0.0012
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	3,900	0	0.09	0.03	6.0	0.3	16	0
10/31/2001	2:15 PM	1	2 of 2	3,900	100	0.06	0.00	6.1	0.2	16	0
02/13/2002	3:10 PM	10	1 of 2	1.0	0.1	0.29	0.03	4.0	0.2	0.033	0.001
02/13/2002	3:10 PM	10	2 of 2	1.1	0.1	0.32	0.04	3.9	0.1	0.031	0.002
02/13/2002	3:30 PM	35	1of 1	40	1	0.34	0.06	3.8	0.1	0.053	0.000
04/24/2002	11:10 AM	30	1 of 2	15	0	0.25	0.03	3.3	0.0	0.037	0.001
04/24/2002	11:10 AM	30	2 of 2	15	0	0.25	0.01	3.3	0.1	0.040	0.003
08/07/2002	5:00PM	1	1 of 2	716	5	<0.04	0.04	4.1	0.0	1.7	0.0
08/07/2002	5:00PM	1	2 of 2	716	1	<0.04	0.01	4.2	0.0	1.7	0.0
11/05/2002	2:50 PM	0	1 of 2	2,280	43	0.07	0.05	6.2	0.1	8.9	0.2
11/05/2002	2:50 PM	0	2 of 2	2,280	49	0.07	0.07	6.1	0.0	9.0	0.0
01/30/2003	12:30 PM	10	1 of 2	0.63	0.04	0.32	0.06	3.1	0.0	0.038	0.001
01/30/2003	12:30 PM	10	2 of 2	0.62	0.03	0.28	0.03	3.1	0.0	0.040	0.002
01/30/2003	1:20 PM	38	1 of 2	347	0	0.04	0.02	3.5	0.0	1.4	0.0
01/30/2003	1:20 PM	38	2 of 2	345	1	0.05	0.05	3.5	0.1	1.3	0.0
04/17/2003	4:00 PM	40	1 of 2	445	1	0.08	0.06	3.3	0.1	2.1	0.0
04/17/2003	4:00 PM	40	2 of 2	444	1	0.04	0.04	3.2	0.0	2.2	0.0
08/07/2003	4:30 PM	1	1 of 2	194	5	0.10	0.04	3.3	0.1	0.055	0.000
08/07/2003	4:30 PM	1	2 of 2	198	0	0.14	0.09	3.3	0.1	0.051	0.003
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	5,900	0	0.26	0.01	11	0	5.8	0.2
02/13/2002	2:20 PM	52	1 of 2	38	1	0.31	0.05	3.7	0.1	0.058	0.002
02/13/2002	2:20 PM	52	2 of 2	37	0	0.40	0.12	3.6	0.0	0.058	0.002
04/23/2002	1:10 PM	20	1 of 2	0.92	0.02	0.28	0.00	3.4	0.0	0.020	0.002
04/23/2002	1:10 PM	20	2 of 2	0.94	0.01	0.27	0.03	3.4	0.0	0.018	0.002
11/05/2002	2:00 PM	1	1 of 2	17,000	401	0.49	0.42	15	0	26	0
11/05/2002	2:00 PM	1	2 of 2	17,000	263	0.27	0.10	15	0	27	1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01065)		Lead (Pb) µg/L (01049)		Praseodymium (Pr) µg/L (50582)		Rubidium (Rb) µg/L (01134)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	1.1	0.2	0.055	0.002	0.0010	0.0002	0.83	0.00
10/30/2001	5:15 PM	10	2 of 2	1.1	0.1	0.11	0.01	0.0010	0.0002	0.83	0.01
02/12/2002	12:00 PM	8	1 of 2	1.2	0.0	0.058	0.001	0.0056	0.0002	0.63	0.01
02/12/2002	12:00 PM	8	2 of 2	1.2	0.0	0.039	0.000	0.0062	0.0001	0.64	0.01
04/22/2002	3:20 PM	10	1 of 2	1.1	0.0	0.031	0.001	0.0037	0.0003	0.60	0.01
04/22/2002	3:20 PM	10	2 of 2	1.1	0.0	0.033	0.000	0.0036	0.0004	0.60	0.00
08/06/2002	4:30 PM	10	1 of 2	0.72	0.06	0.007	0.000	0.0007	0.0001	0.54	0.01
08/06/2002	4:30 PM	10	2 of 2	0.77	0.02	0.006	0.000	0.0007	0.0001	0.54	0.01
04/15/2003	10:30 AM	40	1 of 2	3.1	0.0	0.020	0.013	0.0042	0.0002	0.58	0.02
04/15/2003	10:30 AM	40	2 of 2	3.2	0.0	0.013	0.004	0.0041	0.0002	0.59	0.01
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	1.6	0.1	0.30	0.00	0.0067	0.0002	1.1	0.0
11/01/2001	8:30 AM	70	2 of 2	1.7	0.1	0.043	0.005	0.0072	0.0004	1.2	0.0
02/12/2002	11:00 AM	140	1 of 2	3.2	0.0	0.015	0.002	0.0062	0.0001	0.67	0.02
02/12/2002	11:00 AM	140	2 of 2	3.3	0.0	0.017	0.001	0.0067	0.0003	0.68	0.01
04/22/2002	3:00 PM	140	1 of 2	1.0	0.0	0.026	0.004	0.0074	0.0003	0.62	0.00
04/22/2002	3:00 PM	140	2 of 2	1.1	0.0	0.020	0.001	0.0078	0.0001	0.62	0.01
08/08/2002	12:00 PM	45	1 of 2	0.68	0.01	0.013	0.002	0.0028	0.0001	0.65	0.03
08/08/2002	12:00 PM	45	2 of 2	0.66	0.03	0.009	0.002	0.0029	0.0002	0.64	0.01
08/08/2002	1:30 PM	113	1 of 2	0.52	0.03	0.004	0.002	0.0018	0.0001	0.79	0.01
08/08/2002	1:30 PM	113	2 of 2	0.59	0.04	0.007	0.005	0.0020	0.0001	0.80	0.01
11/04/2002	3:50 PM	10	1 of 2	1.1	0.0	0.022	0.004	0.0032	0.0000	0.98	0.01
11/04/2002	3:50 PM	10	2 of 2	1.1	0.1	0.022	0.002	0.0033	0.0005	0.98	0.01
11/04/2002	3:20 PM	55	1 of 2	1.0	0.0	0.027	0.018	0.0024	0.0003	0.81	0.02
11/04/2002	3:20 PM	55	2 of 2	0.99	0.00	0.017	0.004	0.0022	0.0001	0.79	0.07
01/29/2003	2:30 PM	10	1 of 2	1.2	0.1	0.016	0.001	0.0087	0.0002	0.65	0.02
01/29/2003	2:30 PM	10	2 of 2	1.2	0.1	0.018	0.003	0.0092	0.0001	0.66	0.02
01/28/2003	4:40 PM	140	1 of 2	1.0	0.0	0.019	0.001	0.0087	0.0004	0.72	0.01
01/28/2003	4:40 PM	140	2 of 2	0.99	0.04	0.012	0.000	0.0090	0.0002	0.71	0.01
04/16/2003	4:00 PM	150	1 of 2	0.94	0.02	0.010	0.004	0.0055	0.0002	0.66	0.02
04/16/2003	4:00 PM	150	2 of 2	1.0	0.1	0.011	0.002	0.0051	0.0003	0.66	0.04
08/05/2003	12:30 PM	1	1 of 2	0.57	0.04	0.013	0.001	0.0006	0.0001	0.59	0.01
08/05/2003	12:30 PM	1	2 of 2	0.58	0.01	0.010	0.002	0.0006	0.0002	0.60	0.01
08/05/2003	3:30 PM	73	1 of 2	1.1	0.0	0.021	0.005	0.0030	0.0001	0.69	0.01
08/05/2003	3:30 PM	73	2 of 2	1.1	0.0	0.016	0.001	0.0032	0.0001	0.70	0.01
08/05/2003	1:00 PM	120	1 of 2	1.2	0.0	0.014	0.002	0.0026	0.0003	0.82	0.00
08/05/2003	1:00 PM	120	2 of 2	1.2	0.0	0.014	0.002	0.0025	0.0003	0.80	0.01

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01065)		Lead (Pb) µg/L (01049)		Praseodymium (Pr) µg/L (50582)		Rubidium (Rb) µg/L (01134)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.77	0.15	0.017	0.001	0.0012	0.0001	0.87	0.02
10/29/2001	4:15 PM	6	2 of 2	0.71	0.15	0.037	0.002	0.0010	0.0003	0.87	0.01
02/12/2002	1:30 PM	60	1 of 2	1.6	0.0	0.016	0.002	0.0060	0.0001	0.63	0.00
02/12/2002	1:30 PM	60	2 of 2	1.7	0.0	0.018	0.003	0.0062	0.0002	0.64	0.00
04/22/2002	1:50 PM	10	1 of 2	0.97	0.04	0.040	0.001	0.0037	0.0004	0.60	0.01
04/22/2002	1:50 PM	10	2 of 2	0.96	0.02	0.033	0.001	0.0039	0.0001	0.62	0.01
04/15/2003	12:40 PM	32	1 of 2	1.1	0.1	0.025	0.005	0.0037	0.0005	0.63	0.02
04/15/2003	12:40 PM	32	2 of 2	1.1	0.0	0.026	0.003	0.0038	0.0005	0.64	0.01
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	2.3	0.1	0.11	0.02	0.0073	0.0020	0.79	0.01
10/29/2001	2:45 PM	50	2 of 2	2.3	0.2	0.22	0.06	0.0058	0.0002	0.75	0.02
02/13/2002	8:30 AM	120	1 of 2	1.3	0.0	0.023	0.005	0.0073	0.0001	0.68	0.00
02/13/2002	8:30 AM	120	2 of 2	1.3	0.1	0.019	0.002	0.0069	0.0003	0.67	0.00
04/22/2002	12:20 PM	120	1 of 2	1.1	0.0	0.063	0.002	0.0081	0.0003	0.61	0.01
04/22/2002	12:20 PM	120	2 of 2	1.1	0.0	0.050	0.004	0.0078	0.0003	0.63	0.01
08/07/2002	12:10 PM	10	1 of 2	0.42	0.01	0.009	0.002	0.0010	0.0001	0.56	0.01
08/07/2002	12:10 PM	10	2 of 2	0.42	0.01	0.009	0.001	0.0010	0.0001	0.57	0.02
08/07/2002	12:40 PM	47	1 of 2	0.86	0.06	0.009	0.002	0.0020	0.0002	0.71	0.00
08/07/2002	12:40 PM	47	2 of 2	0.86	0.04	0.009	0.001	0.0025	0.0002	0.69	0.00
08/08/2002	2:50 PM	80	1 of 2	0.61	0.04	0.004	0.003	0.0027	0.0002	0.81	0.00
08/08/2002	2:50 PM	80	2 of 2	0.57	0.02	0.003	0.002	0.0031	0.0002	0.81	0.01
11/05/2002	2:30 PM	10	1 of 2	0.84	0.02	0.030	0.001	0.0027	0.0001	0.80	0.05
11/05/2002	2:30 PM	10	2 of 2	0.84	0.08	0.025	0.003	0.0027	0.0001	0.78	0.01
11/05/2002	2:10 PM	30	1 of 2	0.99	0.04	0.050	0.004	0.0038	0.0002	0.83	0.02
11/05/2002	2:10 PM	30	2 of 2	0.97	0.04	0.045	0.008	0.0037	0.0003	0.84	0.01
01/29/2003	2:00 PM	10	1 of 2	1.1	0.0	0.015	0.001	0.0084	0.0005	0.69	0.01
01/29/2003	2:00 PM	10	2 of 2	1.1	0.0	0.015	0.002	0.0089	0.0001	0.70	0.01
01/28/2003	3:30 PM	120	1 of 2	1.0	0.1	0.016	0.004	0.0090	0.0004	0.74	0.01
01/28/2003	3:30 PM	120	2 of 2	1.0	0.1	0.013	0.000	0.0088	0.0005	0.73	0.02
04/17/2003	10:30 AM	125	1 of 2	0.95	0.03	0.023	0.002	0.0053	0.0003	0.69	0.02
04/17/2003	10:30 AM	125	2 of 2	0.93	0.02	0.025	0.004	0.0051	0.0004	0.69	0.04
08/07/2003	11:30 AM	1	1 of 2	0.39	0.00	0.013	0.003	0.0008	0.0002	0.62	0.01
08/07/2003	11:30 AM	1	2 of 2	0.43	0.01	0.014	0.002	0.0006	0.0001	0.63	0.01
08/07/2003	11:50 AM	100	1 of 2	1.7	0.0	0.009	0.001	0.0026	0.0003	0.89	0.01
08/07/2003	11:50 AM	100	2 of 2	1.7	0.0	0.009	0.004	0.0030	0.0001	0.90	0.01

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01065)		Lead (Pb) µg/L (01049)		Praseodymium (Pr) µg/L (50582)		Rubidium (Rb) µg/L (01134)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	1.0	0.1	0.091	0.006	0.0031	0.0001	0.82	0.01
10/31/2001	10:15 AM	12	2 of 2	1.0	0.1	0.10	0.01	0.0033	0.0001	0.83	0.01
02/13/2002	9:00 AM	80	1 of 2	0.98	0.01	0.025	0.006	0.0064	0.0001	0.74	0.00
02/13/2002	9:00 AM	80	2 of 2	1.0	0.0	0.026	0.003	0.0072	0.0004	0.73	0.02
04/22/2002	10:40 AM	80	1 of 2	1.3	0.0	0.019	0.002	0.0069	0.0002	0.65	0.00
04/22/2002	10:40 AM	80	2 of 2	1.3	0.0	0.020	0.001	0.0073	0.0002	0.65	0.00
08/06/2002	5:50 PM	10	1 of 2	0.46	0.05	0.011	0.001	0.0011	0.0001	0.56	0.01
08/06/2002	5:50 PM	10	2 of 2	0.47	0.03	0.021	0.005	0.0012	0.0001	0.56	0.01
08/06/2002	6:20 PM	55	1 of 2	1.2	0.0	0.024	0.001	0.0032	0.0004	0.71	0.01
08/06/2002	6:20 PM	55	2 of 2	1.2	0.0	0.023	0.001	0.0030	0.0003	0.72	0.01
11/05/2002	4:10 PM	7	1 of 2	0.76	0.05	0.061	0.023	0.0033	0.0011	1.0	0.0
11/05/2002	4:10 PM	7	2 of 2	0.76	0.06	0.042	0.005	0.0027	0.0003	0.98	0.00
01/29/2003	1:20 PM	10	1 of 2	0.89	0.02	0.016	0.004	0.0092	0.0001	0.76	0.01
01/29/2003	1:20 PM	10	2 of 2	0.88	0.02	0.024	0.003	0.0097	0.0001	0.76	0.01
01/28/2003	2:50 PM	85	1 of 2	1.2	0.0	0.017	0.003	0.0087	0.0002	0.73	0.00
01/28/2003	2:50 PM	85	2 of 2	1.2	0.1	0.017	0.001	0.0083	0.0002	0.74	0.00
04/17/2003	11:30 AM	90	1 of 2	1.2	0.0	0.040	0.002	0.0091	0.0002	0.64	0.01
04/17/2003	11:30 AM	90	2 of 2	1.2	0.1	0.033	0.003	0.0088	0.0006	0.64	0.00
08/07/2003	10:00 AM	1	1 of 2	0.58	0.01	0.019	0.005	0.0010	0.0001	0.64	0.00
08/07/2003	10:00 AM	1	2 of 2	0.60	0.05	0.013	0.002	0.0011	0.0002	0.65	0.01
08/06/2003	3:00 PM	100	1 of 2	2.0	0.1	0.034	0.009	0.0044	0.0001	0.86	0.00
08/06/2003	3:00 PM	100	2 of 2	1.9	0.0	0.023	0.005	0.0041	0.0002	0.86	0.00
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	1.0	0.2	0.12	0.01	0.0022	0.0003	0.80	0.00
10/31/2001	1:00 PM	4	2 of 2	1.0	0.1	0.075	0.025	0.0018	0.0004	0.84	0.01
02/13/2002	1:00 PM	20	1 of 2	1.2	0.1	0.018	0.002	0.0068	0.0005	0.64	0.01
02/13/2002	1:00 PM	20	2 of 2	1.2	0.1	0.021	0.002	0.0075	0.0005	0.64	0.00
04/23/2002	12:10 PM	20	1 of 2	1.1	0.0	0.032	0.001	0.0039	0.0003	0.61	0.00
04/23/2002	12:10 PM	20	2 of 2	1.1	0.0	0.027	0.002	0.0039	0.0002	0.61	0.01
08/07/2002	6:50 PM	57	1 of 2	1.1	0.0	0.017	0.001	0.0040	0.0000	0.70	0.01
08/07/2002	6:50 PM	57	2 of 2	1.0	0.0	0.015	0.003	0.0035	0.0001	0.71	0.02
01/30/2003	3:30 PM	55	1 of 2	1.1	0.1	0.021	0.004	0.010	0.000	0.70	0.01
01/30/2003	3:30 PM	55	2 of 2	1.1	0.1	0.021	0.006	0.011	0.000	0.70	0.00
04/17/2003	2:30 PM	55	1 of 2	1.2	0.0	0.030	0.001	0.0085	0.0006	0.64	0.02
04/17/2003	2:30 PM	55	2 of 2	1.1	0.1	0.039	0.009	0.0084	0.0004	0.67	0.00
08/07/2003	4:00 PM	1	1 of 2	0.59	0.05	0.036	0.004	0.0017	0.0002	0.62	0.00
08/07/2003	4:00 PM	1	2 of 2	0.57	0.01	0.032	0.004	0.0020	0.0001	0.64	0.00

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Nickel (Ni) µg/L (01065)		Lead (Pb) µg/L (01049)		Praseodymium (Pr) µg/L (50582)		Rubidium (Rb) µg/L (01134)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.40	0.04	0.017	0.001	0.0010	0.0004	0.54	0.01
08/07/2002	3:40 PM	10	2 of 2	0.37	0.05	0.012	0.001	0.0011	0.0000	0.53	0.00
04/17/2003	1:20 PM	80	1 of 2	0.90	0.03	0.012	0.002	0.0054	0.0004	0.66	0.01
04/17/2003	1:20 PM	80	2 of 2	0.91	0.06	0.013	0.002	0.0054	0.0004	0.68	0.00
08/07/2003	1:00 PM	1	1 of 2	0.36	0.05	0.014	0.001	0.0010	0.0001	0.58	0.00
08/07/2003	1:00 PM	1	2 of 2	0.37	0.02	0.010	0.001	0.0008	0.0002	0.57	0.02
08/07/2003	1:30 PM	40	1 of 2	0.67	0.04	0.023	0.001	0.0020	0.0001	0.73	0.00
08/07/2003	1:30 PM	40	2 of 2	0.67	0.00	0.017	0.002	0.0018	0.0002	0.74	0.01
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	87	2	44	0	3.3	0.0	10	0
10/31/2001	2:15 PM	1	2 of 2	91	0	45	0	3.3	0.0	10	0
02/13/2002	3:10 PM	10	1 of 2	1.3	0.0	0.025	0.001	0.0067	0.0004	0.64	0.00
02/13/2002	3:10 PM	10	2 of 2	1.3	0.0	0.032	0.002	0.0068	0.0001	0.63	0.01
02/13/2002	3:30 PM	35	1of 1	2.1	0.1	0.082	0.003	0.011	0.000	0.61	0.00
04/24/2002	11:10 AM	30	1 of 2	1.5	0.0	0.058	0.003	0.0075	0.0002	0.69	0.00
04/24/2002	11:10 AM	30	2 of 2	1.5	0.0	0.041	0.002	0.0083	0.0001	0.68	0.01
08/07/2002	5:00 PM	1	1 of 2	17	0	2.5	0.0	0.36	0.01	2.0	0.0
08/07/2002	5:00 PM	1	2 of 2	18	0	2.5	0.0	0.37	0.00	2.1	0.0
11/05/2002	2:50 PM	0	1 of 2	55	1	34	1	1.9	0.0	7.1	0.1
11/05/2002	2:50 PM	0	2 of 2	55	2	34	0	1.9	0.0	7.0	0.0
01/30/2003	12:30 PM	10	1 of 2	1.2	0.1	0.019	0.001	0.0080	0.0002	0.68	0.02
01/30/2003	12:30 PM	10	2 of 2	1.2	0.1	0.019	0.004	0.0080	0.0002	0.67	0.01
01/30/2003	1:20 PM	38	1 of 2	11	0	0.71	0.01	0.28	0.00	1.3	0.0
01/30/2003	1:20 PM	38	2 of 2	11	0	0.70	0.00	0.28	0.00	1.2	0.0
04/17/2003	4:00 PM	40	1 of 2	13	0	1.8	0.0	0.47	0.01	1.5	0.0
04/17/2003	4:00 PM	40	2 of 2	13	0	1.8	0.0	0.47	0.01	1.5	0.0
08/07/2003	4:30 PM	1	1 of 2	5.1	0.0	0.066	0.002	0.011	0.000	1.2	0.0
08/07/2003	4:30 PM	1	2 of 2	5.1	0.1	0.067	0.004	0.012	0.000	1.2	0.0
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	72	0	0.37	0.00	1.2	0.0	2.5	0.0
02/13/2002	2:20 PM	52	1 of 2	1.9	0.0	0.024	0.001	0.013	0.001	0.66	0.00
02/13/2002	2:20 PM	52	2 of 2	1.9	0.0	0.029	0.004	0.012	0.000	0.64	0.01
04/23/2002	1:10 PM	20	1 of 2	0.95	0.03	0.053	0.003	0.0042	0.0001	0.61	0.01
04/23/2002	1:10 PM	20	2 of 2	0.97	0.00	0.039	0.001	0.0038	0.0004	0.61	0.01
11/05/2002	2:00 PM	1	1 of 2	225	0	13	0	5.3	0.0	4.1	0.1
11/05/2002	2:00 PM	1	2 of 2	231	9	13	0	5.4	0.2	4.2	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (50583)		Sulfur (S) mg/L (63719)		Antimony (Sb) µg/L (01095)		Selenium (Se) µg/L (01145)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.0012	0.0000	3.5	0.1	0.16	0.01	<0.2	0.1
10/30/2001	5:15 PM	10	2 of 2	0.0014	0.0001	3.5	0.1	0.17	0.01	<0.2	0.1
02/12/2002	12:00 PM	8	1 of 2	0.0018	0.0003	2.9	0.1	0.061	0.003	<0.1	0.0
02/12/2002	12:00 PM	8	2 of 2	0.0015	0.0002	2.8	0.1	0.060	0.004	<0.1	0.0
04/22/2002	3:20 PM	10	1 of 2	0.0015	0.0001	2.2	0.0	0.043	0.003	<0.1	0.0
04/22/2002	3:20 PM	10	2 of 2	0.0011	0.0002	2.2	0.0	0.044	0.004	<0.1	0.0
08/06/2002	4:30 PM	10	1 of 2	0.0008	0.0002	1.9	0.0	0.045	0.007	<0.1	0.1
08/06/2002	4:30 PM	10	2 of 2	0.0009	0.0002	1.9	0.0	0.046	0.003	<0.1	0.1
04/15/2003	10:30 AM	40	1 of 2	0.0009	0.0003	1.8	0.0	0.05	0.02	<0.07	0.02
04/15/2003	10:30 AM	40	2 of 2	0.0009	0.0002	1.9	0.0	0.03	0.00	<0.07	0.02
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.0009	0.0001	2.3	0.1	0.14	0.01	<0.2	0.1
11/01/2001	8:30 AM	70	2 of 2	0.0012	0.0000	2.4	0.1	0.13	0.00	<0.2	0.1
02/12/2002	11:00 AM	140	1 of 2	0.0012	0.0002	2.5	0.1	0.049	0.003	<0.1	0.0
02/12/2002	11:00 AM	140	2 of 2	0.0017	0.0001	2.5	0.0	0.050	0.003	<0.1	0.0
04/22/2002	3:00 PM	140	1 of 2	0.0010	0.0002	2.2	0.0	0.041	0.003	<0.1	0.0
04/22/2002	3:00 PM	140	2 of 2	0.0014	0.0003	2.2	0.0	0.044	0.002	<0.1	0.0
08/08/2002	12:00 PM	45	1 of 2	0.0008	0.0003	1.7	0.0	0.035	0.004	<0.1	0.0
08/08/2002	12:00 PM	45	2 of 2	0.0006	0.0003	1.7	0.0	0.040	0.004	<0.1	0.0
08/08/2002	1:30 PM	113	1 of 2	0.0013	0.0003	2.0	0.0	0.028	0.001	<0.1	0.1
08/08/2002	1:30 PM	113	2 of 2	0.0010	0.0003	2.0	0.0	0.033	0.001	<0.1	0.0
11/04/2002	3:50 PM	10	1 of 2	0.0011	0.0003	2.5	0.0	0.095	0.006	<0.2	0.1
11/04/2002	3:50 PM	10	2 of 2	0.0012	0.0001	2.5	0.0	0.097	0.002	<0.2	0.1
11/04/2002	3:20 PM	55	1 of 2	0.0012	0.0003	2.8	0.1	0.095	0.009	<0.2	0.1
11/04/2002	3:20 PM	55	2 of 2	0.0012	0.0004	2.8	0.0	0.095	0.007	<0.2	0.1
01/29/2003	2:30 PM	10	1 of 2	0.0014	0.0002	2.4	0.0	0.054	0.002	<0.05	0.00
01/29/2003	2:30 PM	10	2 of 2	0.0013	0.0001	2.4	0.0	0.056	0.002	<0.05	0.01
01/28/2003	4:40 PM	140	1 of 2	0.0011	0.0001	1.8	0.0	0.034	0.001	<0.05	0.05
01/28/2003	4:40 PM	140	2 of 2	0.0010	0.0001	1.8	0.0	0.035	0.001	0.08	0.00
04/16/2003	4:00 PM	150	1 of 2	0.0007	0.0001	1.7	0.0	0.04	0.00	<0.07	0.03
04/16/2003	4:00 PM	150	2 of 2	0.0009	0.0004	1.7	0.0	0.04	0.01	<0.07	0.01
08/05/2003	12:30 PM	1	1 of 2	0.0009	0.0003	1.7	0.0	0.050	0.018	<0.1	0.1
08/05/2003	12:30 PM	1	2 of 2	0.0007	0.0002	1.7	0.0	0.040	0.011	<0.1	0.1
08/05/2003	3:30 PM	73	1 of 2	0.0008	0.0002	1.8	0.0	0.041	0.010	<0.1	0.1
08/05/2003	3:30 PM	73	2 of 2	0.0008	0.0002	1.7	0.0	0.034	0.003	<0.1	0.1
08/05/2003	1:00 PM	120	1 of 2	0.0007	0.0002	1.7	0.1	0.028	0.004	<0.1	0.1
08/05/2003	1:00 PM	120	2 of 2	0.0009	0.0003	1.7	0.1	0.028	0.004	<0.1	0.0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (50583)		Sulfur (S) mg/L (63719)		Antimony (Sb) µg/L (01095)		Selenium (Se) µg/L (01145)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.0012	0.0002	3.6	0.0	0.16	0.01	<0.2	0.1
10/29/2001	4:15 PM	6	2 of 2	0.0011	0.0002	3.4	0.0	0.16	0.00	<0.2	0.1
02/12/2002	1:30 PM	60	1 of 2	0.0017	0.0001	2.8	0.1	0.055	0.003	<0.1	0.0
02/12/2002	1:30 PM	60	2 of 2	0.0015	0.0003	2.9	0.1	0.058	0.003	<0.1	0.0
04/22/2002	1:50 PM	10	1 of 2	0.0009	0.0001	2.1	0.0	0.042	0.001	<0.1	0.0
04/22/2002	1:50 PM	10	2 of 2	0.0008	0.0002	2.2	0.0	0.039	0.001	<0.1	0.0
04/15/2003	12:40 PM	32	1 of 2	0.0008	0.0002	1.9	0.0	0.04	0.01	<0.07	0.05
04/15/2003	12:40 PM	32	2 of 2	0.0010	0.0001	1.9	0.0	0.04	0.01	<0.07	0.01
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.0012	0.0001	3.1	0.1	0.16	0.00	<0.2	0.1
10/29/2001	2:45 PM	50	2 of 2	0.0009	0.0002	2.9	0.1	0.16	0.00	<0.2	0.1
02/13/2002	8:30 AM	120	1 of 2	0.0015	0.0004	2.5	0.1	0.049	0.001	0.1	0.0
02/13/2002	8:30 AM	120	2 of 2	0.0015	0.0003	2.4	0.1	0.048	0.005	0.1	0.1
04/22/2002	12:20 PM	120	1 of 2	0.0010	0.0000	2.2	0.0	0.048	0.001	<0.1	0.0
04/22/2002	12:20 PM	120	2 of 2	0.0010	0.0004	2.2	0.0	0.042	0.002	<0.1	0.0
08/07/2002	12:10 PM	10	1 of 2	0.0008	0.0003	2.0	0.0	0.044	0.001	<0.1	0.1
08/07/2002	12:10 PM	10	2 of 2	0.0008	0.0002	2.0	0.0	0.048	0.003	<0.1	0.1
08/07/2002	12:40 PM	47	1 of 2	0.0007	0.0000	1.7	0.0	0.039	0.001	<0.1	0.0
08/07/2002	12:40 PM	47	2 of 2	0.0008	0.0001	1.7	0.0	0.040	0.004	<0.1	0.1
08/08/2002	2:50 PM	80	1 of 2	0.0013	0.0004	1.9	0.0	0.035	0.003	<0.1	0.0
08/08/2002	2:50 PM	80	2 of 2	0.0009	0.0001	1.9	0.0	0.033	0.003	<0.1	0.1
11/05/2002	2:30 PM	10	1 of 2	0.0015	0.0002	3.0	0.0	0.094	0.003	<0.2	0.0
11/05/2002	2:30 PM	10	2 of 2	0.0010	0.0002	3.0	0.0	0.093	0.004	<0.2	0.1
11/05/2002	2:10 PM	30	1 of 2	0.0011	0.0005	3.4	0.0	0.093	0.000	<0.2	0.0
11/05/2002	2:10 PM	30	2 of 2	0.0010	0.0002	3.5	0.1	0.091	0.001	<0.2	0.1
01/29/2003	2:00 PM	10	1 of 2	0.0012	0.0001	2.1	0.0	0.042	0.001	0.06	0.06
01/29/2003	2:00 PM	10	2 of 2	0.0012	0.0001	2.1	0.0	0.041	0.001	<0.05	0.05
01/28/2003	3:30 PM	120	1 of 2	0.0012	0.0002	1.8	0.0	0.037	0.005	<0.05	0.00
01/28/2003	3:30 PM	120	2 of 2	0.0011	0.0001	1.8	0.0	0.037	0.005	<0.05	0.02
04/17/2003	10:30 AM	125	1 of 2	0.0009	0.0002	1.8	0.0	0.04	0.01	<0.07	0.01
04/17/2003	10:30 AM	125	2 of 2	0.0009	0.0003	1.8	0.0	0.04	0.02	<0.07	0.01
08/07/2003	11:30 AM	1	1 of 2	0.0007	0.0002	1.7	0.0	0.042	0.003	<0.1	0.1
08/07/2003	11:30 AM	1	2 of 2	0.0009	0.0001	1.7	0.0	0.042	0.004	<0.1	0.1
08/07/2003	11:50 AM	100	1 of 2	0.0008	0.0001	1.7	0.0	0.029	0.008	<0.1	0.1
08/07/2003	11:50 AM	100	2 of 2	0.0009	0.0002	1.7	0.0	0.034	0.018	<0.1	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (50583)		Sulfur (S) mg/L (63719)		Antimony (Sb) µg/L (01095)		Selenium (Se) µg/L (01145)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.0015	0.0002	3.4	0.1	0.18	0.01	<0.2	0.1
10/31/2001	10:15 AM	12	2 of 2	0.0014	0.0001	3.2	0.2	0.18	0.01	<0.2	0.1
02/13/2002	9:00 AM	80	1 of 2	0.0009	0.0001	2.2	0.1	0.045	0.003	<0.1	0.0
02/13/2002	9:00 AM	80	2 of 2	0.0010	0.0003	2.2	0.1	0.047	0.002	<0.1	0.0
04/22/2002	10:40 AM	80	1 of 2	0.0011	0.0001	2.0	0.0	0.042	0.004	<0.1	0.0
04/22/2002	10:40 AM	80	2 of 2	0.0010	0.0002	2.0	0.0	0.040	0.003	<0.1	0.0
08/06/2002	5:50 PM	10	1 of 2	0.0010	0.0002	1.9	0.1	0.045	0.003	<0.1	0.1
08/06/2002	5:50 PM	10	2 of 2	0.0007	0.0000	1.9	0.1	0.047	0.004	<0.1	0.0
08/06/2002	6:20 PM	55	1 of 2	0.0009	0.0004	1.7	0.0	0.039	0.002	<0.1	0.1
08/06/2002	6:20 PM	55	2 of 2	0.0009	0.0002	1.7	0.0	0.045	0.003	<0.1	0.0
11/05/2002	4:10 PM	7	1 of 2	0.0017	0.0000	3.2	0.0	0.096	0.012	<0.2	0.1
11/05/2002	4:10 PM	7	2 of 2	0.0017	0.0000	3.2	0.0	0.093	0.001	<0.2	0.1
01/29/2003	1:20 PM	10	1 of 2	0.0011	0.0001	1.6	0.0	0.031	0.002	<0.05	0.01
01/29/2003	1:20 PM	10	2 of 2	0.0009	0.0002	1.6	0.0	0.031	0.004	<0.05	0.04
01/28/2003	2:50 PM	85	1 of 2	0.0011	0.0001	1.8	0.0	0.035	0.004	0.08	0.06
01/28/2003	2:50 PM	85	2 of 2	0.0010	0.0004	1.8	0.0	0.037	0.001	0.08	0.04
04/17/2003	11:30 AM	90	1 of 2	0.0009	0.0002	1.6	0.0	0.04	0.00	<0.07	0.02
04/17/2003	11:30 AM	90	2 of 2	0.0009	0.0002	1.6	0.0	0.05	0.02	<0.07	0.01
08/07/2003	10:00 AM	1	1 of 2	0.0007	0.0001	1.7	0.1	0.044	0.006	<0.1	0.0
08/07/2003	10:00 AM	1	2 of 2	0.0007	0.0003	1.7	0.0	0.043	0.005	<0.1	0.0
08/06/2003	3:00 PM	100	1 of 2	0.0007	0.0002	1.5	0.0	0.047	0.013	<0.1	0.1
08/06/2003	3:00 PM	100	2 of 2	0.0007	0.0003	1.6	0.1	0.040	0.009	<0.1	0.1
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.0015	0.0002	4.0	0.0	0.18	0.01	<0.2	0.1
10/31/2001	1:00 PM	4	2 of 2	0.0014	0.0004	4.1	0.1	0.17	0.02	<0.2	0.1
02/13/2002	1:00 PM	20	1 of 2	0.0015	0.0001	2.9	0.1	0.062	0.000	0.1	0.1
02/13/2002	1:00 PM	20	2 of 2	0.0016	0.0001	2.9	0.1	0.055	0.004	<0.1	0.0
04/23/2002	12:10 PM	20	1 of 2	0.0013	0.0004	2.2	0.0	0.042	0.001	<0.1	0.0
04/23/2002	12:10 PM	20	2 of 2	0.0015	0.0003	2.2	0.0	0.042	0.004	<0.1	0.0
08/07/2002	6:50 PM	57	1 of 2	0.0009	0.0002	1.9	0.0	0.042	0.004	<0.1	0.0
08/07/2002	6:50 PM	57	2 of 2	0.0009	0.0002	1.9	0.0	0.045	0.001	<0.1	0.0
01/30/2003	3:30 PM	55	1 of 2	0.0009	0.0001	2.1	0.0	0.038	0.004	0.14	0.01
01/30/2003	3:30 PM	55	2 of 2	0.0011	0.0001	2.1	0.0	0.042	0.004	<0.05	0.02
04/17/2003	2:30 PM	55	1 of 2	0.0009	0.0002	2.2	0.0	0.05	0.03	<0.07	0.02
04/17/2003	2:30 PM	55	2 of 2	0.0007	0.0001	2.2	0.0	0.07	0.01	<0.07	0.01
08/07/2003	4:00 PM	1	1 of 2	0.0008	0.0003	2.6	0.0	0.042	0.009	<0.1	0.0
08/07/2003	4:00 PM	1	2 of 2	0.0007	0.0002	2.6	0.0	0.049	0.009	<0.1	0.0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Rhenium (Re) µg/L (50583)		Sulfur (S) mg/L (63719)		Antimony (Sb) µg/L (01095)		Selenium (Se) µg/L (01145)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.0012	0.0003	1.9	0.0	0.046	0.002	<0.1	0.1
08/07/2002	3:40 PM	10	2 of 2	0.0012	0.0003	1.9	0.0	0.048	0.002	<0.1	0.0
04/17/2003	1:20 PM	80	1 of 2	0.0008	0.0002	1.7	0.0	0.04	0.00	<0.07	0.01
04/17/2003	1:20 PM	80	2 of 2	0.0010	0.0002	1.8	0.0	0.04	0.00	<0.07	0.04
08/07/2003	1:00 PM	1	1 of 2	0.0008	0.0001	1.6	0.0	0.043	0.014	0.1	0.1
08/07/2003	1:00 PM	1	2 of 2	0.0007	0.0002	1.6	0.0	0.040	0.010	<0.1	0.0
08/07/2003	1:30 PM	40	1 of 2	0.0007	0.0003	1.5	0.1	0.035	0.006	<0.1	0.0
08/07/2003	1:30 PM	40	2 of 2	0.0008	0.0003	1.5	0.0	0.035	0.003	<0.1	0.0
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.0099	0.0003	230	0	0.093	0.004	2.4	0.0
10/31/2001	2:15 PM	1	2 of 2	0.010	0.000	230	10	0.085	0.005	2.2	0.1
02/13/2002	3:10 PM	10	1 of 2	0.0014	0.0001	3.2	0.0	0.057	0.003	<0.1	0.0
02/13/2002	3:10 PM	10	2 of 2	0.0017	0.0002	3.1	0.0	0.059	0.004	<0.1	0.0
02/13/2002	3:30 PM	35	1of 1	0.0015	0.0003	5.2	0.0	0.055	0.004	<0.1	0.0
04/24/2002	11:10 AM	30	1 of 2	0.0012	0.0002	3.1	0.0	0.037	0.003	<0.1	0.0
04/24/2002	11:10 AM	30	2 of 2	0.0009	0.0002	3.1	0.0	0.036	0.003	<0.1	0.0
08/07/2002	5:00 PM	1	1 of 2	0.0033	0.0002	38	1	0.013	0.002	0.5	0.0
08/07/2002	5:00 PM	1	2 of 2	0.0037	0.0003	39	1	0.013	0.002	0.5	0.1
11/05/2002	2:50 PM	0	1 of 2	0.0088	0.0002	136	1	0.008	0.002	1.3	0.1
11/05/2002	2:50 PM	0	2 of 2	0.0097	0.0000	135	0	0.004	0.000	1.2	0.1
01/30/2003	12:30 PM	10	1 of 2	0.0014	0.0001	2.5	0.0	0.048	0.005	0.07	0.01
01/30/2003	12:30 PM	10	2 of 2	0.0010	0.0001	2.5	0.0	0.046	0.004	<0.05	0.02
01/30/2003	1:20 PM	38	1 of 2	0.0031	0.0000	28	0	0.022	0.002	0.31	0.01
01/30/2003	1:20 PM	38	2 of 2	0.0028	0.0002	28	0	0.022	0.002	0.36	0.03
04/17/2003	4:00 PM	40	1 of 2	0.0028	0.0003	32	0	0.03	0.00	0.21	0.01
04/17/2003	4:00 PM	40	2 of 2	0.0036	0.0005	32	0	0.01	0.01	0.22	0.03
08/07/2003	4:30 PM	1	1 of 2	0.0012	0.0000	14	0	0.042	0.011	0.2	0.1
08/07/2003	4:30 PM	1	2 of 2	0.0018	0.0003	14	0	0.038	0.005	0.2	0.1
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.0083	0.0005	140	0	0.099	0.006	1.2	0.1
02/13/2002	2:20 PM	52	1 of 2	0.0013	0.0001	4.3	0.0	0.053	0.005	<0.1	0.0
02/13/2002	2:20 PM	52	2 of 2	0.0014	0.0002	4.2	0.0	0.054	0.003	<0.1	0.0
04/23/2002	1:10 PM	20	1 of 2	0.0009	0.0001	2.2	0.0	0.041	0.000	<0.1	0.0
04/23/2002	1:10 PM	20	2 of 2	0.0009	0.0003	2.2	0.0	0.046	0.000	<0.1	0.0
11/05/2002	2:00 PM	1	1 of 2	0.029	0.001	394	1	0.026	0.029	4.1	0.4
11/05/2002	2:00 PM	1	2 of 2	0.031	0.002	398	0	0.007	0.003	4.5	0.4

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00955)		Samarium (Sm) µg/L (82323)		Strontium (Sr) µg/L (01080)		Terbium (Tb) µg/L (50586)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	9.2	0.1	0.0013	0.0005	64	1	0.0003	0.0001
10/30/2001	5:15 PM	10	2 of 2	9.1	0.2	0.0013	0.0004	63	0	0.0003	0.0001
02/12/2002	12:00 PM	8	1 of 2	11	1	0.0065	0.0004	49	1	0.0015	0.0000
02/12/2002	12:00 PM	8	2 of 2	10	0	0.0071	0.0007	50	0	0.0014	0.0001
04/22/2002	3:20 PM	10	1 of 2	9.0	0.1	0.0042	0.0009	43	0	0.0007	0.0002
04/22/2002	3:20 PM	10	2 of 2	8.9	0.1	0.0047	0.0010	43	0	0.0009	0.0002
08/06/2002	4:30 PM	10	1 of 2	7.8	0.2	0.0014	0.0007	42	0	<0.0001	0.0001
08/06/2002	4:30 PM	10	2 of 2	7.8	0.1	0.0012	0.0005	43	1	0.0002	0.0001
04/15/2003	10:30 AM	40	1 of 2	9.4	0.2	0.006	0.001	38	1	0.0009	0.0001
04/15/2003	10:30 AM	40	2 of 2	9.6	0.1	0.005	0.001	38	1	0.0007	0.0002
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	11	0	0.0084	0.0005	61	1	0.0014	0.0001
11/01/2001	8:30 AM	70	2 of 2	12	0	0.0092	0.0011	67	0	0.0015	0.0000
02/12/2002	11:00 AM	140	1 of 2	11	0	0.0085	0.0003	46	1	0.0014	0.0002
02/12/2002	11:00 AM	140	2 of 2	11	0	0.0088	0.0008	47	0	0.0019	0.0000
04/22/2002	3:00 PM	140	1 of 2	11	0	0.0095	0.0015	45	0	0.0014	0.0003
04/22/2002	3:00 PM	140	2 of 2	11	0	0.0092	0.0014	45	0	0.0015	0.0001
08/08/2002	12:00 PM	45	1 of 2	8.7	0.1	0.0030	0.0011	40	0	0.0006	0.0002
08/08/2002	12:00 PM	45	2 of 2	8.4	0.2	0.0030	0.0008	39	0	0.0005	0.0002
08/08/2002	1:30 PM	113	1 of 2	11	0	0.0023	0.0006	46	0	0.0006	0.0001
08/08/2002	1:30 PM	113	2 of 2	11	0	0.0022	0.0007	47	0	0.0005	0.0001
11/04/2002	3:50 PM	10	1 of 2	11	0	0.0036	0.0017	56	0	0.0007	0.0001
11/04/2002	3:50 PM	10	2 of 2	11	0	0.0037	0.0009	56	0	0.0007	0.0001
11/04/2002	3:20 PM	55	1 of 2	10	0	0.0025	0.0007	54	0	0.0004	0.0002
11/04/2002	3:20 PM	55	2 of 2	10	0	0.0035	0.0009	53	3	0.0005	0.0000
01/29/2003	2:30 PM	10	1 of 2	10.0	0.0	0.011	0.000	40	0	0.0020	0.0001
01/29/2003	2:30 PM	10	2 of 2	10	0	0.010	0.000	40	1	0.0019	0.0000
01/28/2003	4:40 PM	140	1 of 2	9.9	0.1	0.010	0.001	37	0	0.0016	0.0003
01/28/2003	4:40 PM	140	2 of 2	9.8	0.1	0.0092	0.0009	37	0	0.0017	0.0002
04/16/2003	4:00 PM	150	1 of 2	9.8	0.1	0.007	0.001	38	0	0.0010	0.0001
04/16/2003	4:00 PM	150	2 of 2	10	0	0.007	0.002	39	2	0.0010	0.0001
08/05/2003	12:30 PM	1	1 of 2	8.6	0.3	0.0012	0.0007	41	1	0.0001	0.0000
08/05/2003	12:30 PM	1	2 of 2	8.8	0.0	0.0010	0.0009	41	0	0.0002	0.0001
08/05/2003	3:30 PM	73	1 of 2	11	0	0.0035	0.0006	42	1	0.0006	0.0001
08/05/2003	3:30 PM	73	2 of 2	11	0	0.0047	0.0005	42	0	0.0007	0.0001
08/05/2003	1:00 PM	120	1 of 2	12	0	0.0048	0.0009	46	0	0.0007	0.0000
08/05/2003	1:00 PM	120	2 of 2	11	0	0.0040	0.0012	46	0	0.0008	0.0001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00955)		Samarium (Sm) µg/L (82323)		Strontium (Sr) µg/L (01080)		Terbium (Tb) µg/L (50586)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	9.6	0.1	0.0015	0.0007	65	1	0.0002	0.0001
10/29/2001	4:15 PM	6	2 of 2	9.3	0.2	0.0011	0.0005	65	1	0.0002	0.0000
02/12/2002	1:30 PM	60	1 of 2	10	0	0.0076	0.0003	48	0	0.0014	0.0002
02/12/2002	1:30 PM	60	2 of 2	11	0	0.0075	0.0009	49	0	0.0015	0.0000
04/22/2002	1:50 PM	10	1 of 2	9.0	0.2	0.0049	0.0015	43	0	0.0008	0.0002
04/22/2002	1:50 PM	10	2 of 2	9.0	0.1	0.0052	0.0011	43	0	0.0008	0.0002
04/15/2003	12:40 PM	32	1 of 2	9.6	0.2	0.005	0.001	41	0	0.0007	0.0001
04/15/2003	12:40 PM	32	2 of 2	9.4	0.1	0.004	0.001	40	1	0.0008	0.0001
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	9.4	0.2	0.0052	0.0005	65	1	0.0009	0.0002
10/29/2001	2:45 PM	50	2 of 2	8.8	0.3	0.0069	0.0011	61	1	0.0009	0.0001
02/13/2002	8:30 AM	120	1 of 2	10	0	0.010	0.000	46	1	0.0015	0.0000
02/13/2002	8:30 AM	120	2 of 2	9.8	0.2	0.0086	0.0002	47	0	0.0017	0.0001
04/22/2002	12:20 PM	120	1 of 2	11	0	0.0100	0.0021	44	0	0.0016	0.0001
04/22/2002	12:20 PM	120	2 of 2	11	0	0.0096	0.0015	45	0	0.0015	0.0000
08/07/2002	12:10 PM	10	1 of 2	7.9	0.1	0.0010	0.0008	43	0	0.0003	0.0001
08/07/2002	12:10 PM	10	2 of 2	7.9	0.1	<0.001	0.0002	43	1	0.0002	0.0002
08/07/2002	12:40 PM	47	1 of 2	8.9	0.1	0.0027	0.0001	41	1	0.0006	0.0001
08/07/2002	12:40 PM	47	2 of 2	8.9	0.1	0.0028	0.0011	41	1	0.0005	0.0003
08/08/2002	2:50 PM	80	1 of 2	11	0	0.0027	0.0007	47	1	0.0007	0.0001
08/08/2002	2:50 PM	80	2 of 2	11	0	0.0045	0.0004	47	0	0.0007	0.0001
11/05/2002	2:30 PM	10	1 of 2	9.8	0.1	0.0032	0.0003	55	3	0.0005	0.0002
11/05/2002	2:30 PM	10	2 of 2	9.7	0.1	0.0029	0.0012	54	1	0.0004	0.0001
11/05/2002	2:10 PM	30	1 of 2	9.8	0.1	0.0049	0.0001	58	2	0.0007	0.0001
11/05/2002	2:10 PM	30	2 of 2	9.8	0.2	0.0033	0.0004	59	1	0.0009	0.0003
01/29/2003	2:00 PM	10	1 of 2	10	0	0.010	0.001	39	1	0.0019	0.0001
01/29/2003	2:00 PM	10	2 of 2	10	0	0.010	0.000	39	1	0.0019	0.0002
01/28/2003	3:30 PM	120	1 of 2	9.7	0.1	0.0096	0.0013	37	1	0.0018	0.0002
01/28/2003	3:30 PM	120	2 of 2	9.7	0.0	0.011	0.000	37	1	0.0018	0.0002
04/17/2003	10:30 AM	125	1 of 2	10	0	0.006	0.001	40	1	0.0010	0.0003
04/17/2003	10:30 AM	125	2 of 2	10	0	0.006	0.001	39	1	0.0009	0.0001
08/07/2003	11:30 AM	1	1 of 2	8.6	0.2	0.0009	0.0002	41	0	0.0002	0.0001
08/07/2003	11:30 AM	1	2 of 2	8.5	0.1	0.0011	0.0006	41	0	0.0003	0.0001
08/07/2003	11:50 AM	100	1 of 2	12	0	0.0038	0.0010	46	0	0.0008	0.0000
08/07/2003	11:50 AM	100	2 of 2	12	1	0.0043	0.0002	46	0	0.0008	0.0001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00955)		Samarium (Sm) µg/L (82323)		Strontium (Sr) µg/L (01080)		Terbium (Tb) µg/L (50586)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	9.7	0.1	0.0033	0.0005	63	1	0.0005	0.0000
10/31/2001	10:15 AM	12	2 of 2	9.2	0.6	0.0036	0.0005	63	0	0.0006	0.0001
02/13/2002	9:00 AM	80	1 of 2	8.9	0.5	0.0068	0.0004	46	0	0.0013	0.0001
02/13/2002	9:00 AM	80	2 of 2	9.0	0.6	0.0070	0.0008	46	0	0.0013	0.0002
04/22/2002	10:40 AM	80	1 of 2	11	0	0.0091	0.0013	43	1	0.0013	0.0003
04/22/2002	10:40 AM	80	2 of 2	11	0	0.0078	0.0014	43	0	0.0016	0.0003
08/06/2002	5:50 PM	10	1 of 2	8.0	0.4	0.0010	0.0007	43	0	0.0004	0.0001
08/06/2002	5:50 PM	10	2 of 2	8.2	0.1	0.0012	0.0008	43	1	0.0002	0.0001
08/06/2002	6:20 PM	55	1 of 2	9.3	0.1	0.0025	0.0009	45	0	0.0004	0.0000
08/06/2002	6:20 PM	55	2 of 2	9.4	0.2	0.0032	0.0004	45	0	0.0006	0.0001
11/05/2002	4:10 PM	7	1 of 2	9.8	0.2	0.0033	0.0010	62	2	0.0005	0.0001
11/05/2002	4:10 PM	7	2 of 2	9.9	0.1	0.0027	0.0016	59	1	0.0007	0.0001
01/29/2003	1:20 PM	10	1 of 2	9.7	0.0	0.011	0.001	37	0	0.0018	0.0002
01/29/2003	1:20 PM	10	2 of 2	9.7	0.1	0.011	0.001	38	1	0.0017	0.0001
01/28/2003	2:50 PM	85	1 of 2	9.7	0.0	0.011	0.001	38	0	0.0018	0.0002
01/28/2003	2:50 PM	85	2 of 2	9.8	0.1	0.0093	0.0005	37	0	0.0017	0.0001
04/17/2003	11:30 AM	90	1 of 2	9.9	0.2	0.010	0.001	40	0	0.0015	0.0000
04/17/2003	11:30 AM	90	2 of 2	10	0	0.009	0.001	40	0	0.0014	0.0001
08/07/2003	10:00 AM	1	1 of 2	9.0	0.3	0.0015	0.0004	42	0	0.0003	0.0001
08/07/2003	10:00 AM	1	2 of 2	9.1	0.1	0.0015	0.0003	43	0	0.0002	0.0001
08/06/2003	3:00 PM	100	1 of 2	11	0	0.0062	0.0020	48	0	0.0009	0.0002
08/06/2003	3:00 PM	100	2 of 2	11	0	0.0055	0.0006	47	0	0.0008	0.0001
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	9.1	0.3	0.0039	0.0019	61	1	0.0004	0.0001
10/31/2001	1:00 PM	4	2 of 2	9.4	0.1	0.0024	0.0010	65	0	0.0004	0.0000
02/13/2002	1:00 PM	20	1 of 2	11	1	0.0084	0.0002	48	0	0.0016	0.0000
02/13/2002	1:00 PM	20	2 of 2	11	0	0.0087	0.0009	49	0	0.0018	0.0001
04/23/2002	12:10 PM	20	1 of 2	8.9	0.1	0.0045	0.0001	43	0	0.0007	0.0001
04/23/2002	12:10 PM	20	2 of 2	8.9	0.1	0.0045	0.0011	43	0	0.0008	0.0001
08/07/2002	6:50 PM	57	1 of 2	9.3	0.1	0.0048	0.0006	44	1	0.0007	0.0000
08/07/2002	6:50 PM	57	2 of 2	9.0	0.3	0.0052	0.0005	44	1	0.0008	0.0002
01/30/2003	3:30 PM	55	1 of 2	10	0	0.010	0.001	38	0	0.0023	0.0002
01/30/2003	3:30 PM	55	2 of 2	10	0	0.013	0.001	39	0	0.0022	0.0002
04/17/2003	2:30 PM	55	1 of 2	10.0	0.3	0.011	0.001	41	0	0.0017	0.0001
04/17/2003	2:30 PM	55	2 of 2	9.9	0.2	0.010	0.001	42	2	0.0018	0.0001
08/07/2003	4:00 PM	1	1 of 2	8.9	0.1	0.0021	0.0002	41	0	0.0005	0.0000
08/07/2003	4:00 PM	1	2 of 2	8.9	0.2	0.0024	0.0008	42	1	0.0004	0.0000

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Silica (as SiO_2) mg/L (00955)		Samarium (Sm) µg/L (82323)		Strontium (Sr) µg/L (01080)		Terbium (Tb) µg/L (50586)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	7.9	0.0	0.0013	0.0008	42	1	0.0002	0.0000
08/07/2002	3:40 PM	10	2 of 2	7.9	0.0	0.0010	0.0005	42	1	<0.0001	0.0000
04/17/2003	1:20 PM	80	1 of 2	10	0	0.007	0.001	41	1	0.0012	0.0002
04/17/2003	1:20 PM	80	2 of 2	10	0	0.006	0.001	43	0	0.0010	0.0002
08/07/2003	1:00 PM	1	1 of 2	8.6	0.1	0.0020	0.0003	40	0	0.0002	0.0001
08/07/2003	1:00 PM	1	2 of 2	8.4	0.1	0.0012	0.0005	41	1	0.0002	0.0001
08/07/2003	1:30 PM	40	1 of 2	9.9	0.4	0.0029	0.0006	38	0	0.0006	0.0001
08/07/2003	1:30 PM	40	2 of 2	9.6	0.4	0.0026	0.0007	39	0	0.0006	0.0001
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	51	0	4.2	0.1	130	0	0.86	0.00
10/31/2001	2:15 PM	1	2 of 2	52	1	4.2	0.0	130	0	0.90	0.01
02/13/2002	3:10 PM	10	1 of 2	11	0	0.0086	0.0007	48	0	0.0017	0.0003
02/13/2002	3:10 PM	10	2 of 2	11	0	0.0081	0.0010	47	1	0.0016	0.0001
02/13/2002	3:30 PM	35	1of 1	11	0	0.012	0.002	46	1	0.0024	0.0004
04/24/2002	11:10 AM	30	1 of 2	11	0	0.0091	0.0011	42	0	0.0016	0.0001
04/24/2002	11:10 AM	30	2 of 2	11	0	0.0090	0.0007	41	0	0.0017	0.0001
08/07/2002	5:00 PM	1	1 of 2	22	1	0.42	0.01	63	1	0.10	0.00
08/07/2002	5:00 PM	1	2 of 2	23	0	0.42	0.00	63	0	0.10	0.00
11/05/2002	2:50 PM	0	1 of 2	46	1	2.4	0.0	101	1	0.53	0.01
11/05/2002	2:50 PM	0	2 of 2	46	0	2.4	0.0	100	1	0.52	0.00
01/30/2003	12:30 PM	10	1 of 2	10	0	0.011	0.001	40	1	0.0018	0.0002
01/30/2003	12:30 PM	10	2 of 2	10	0	0.0096	0.0005	40	1	0.0019	0.0001
01/30/2003	1:20 PM	38	1 of 2	16	0	0.36	0.00	52	0	0.088	0.000
01/30/2003	1:20 PM	38	2 of 2	15	0	0.36	0.00	52	1	0.086	0.000
04/17/2003	4:00 PM	40	1 of 2	19	0	0.55	0.01	48	1	0.14	0.00
04/17/2003	4:00 PM	40	2 of 2	19	0	0.56	0.01	48	1	0.14	0.00
08/07/2003	4:30 PM	1	1 of 2	15	0	0.011	0.001	46	0	0.0028	0.0000
08/07/2003	4:30 PM	1	2 of 2	15	0	0.015	0.001	46	2	0.0028	0.0001
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	22	0	1.5	0.0	92	0	0.37	0.00
02/13/2002	2:20 PM	52	1 of 2	11	0	0.015	0.001	47	0	0.0031	0.0001
02/13/2002	2:20 PM	52	2 of 2	11	0	0.015	0.000	47	0	0.0028	0.0002
04/23/2002	1:10 PM	20	1 of 2	9.0	0.0	0.0052	0.0012	43	1	0.0007	0.0002
04/23/2002	1:10 PM	20	2 of 2	9.0	0.0	0.0055	0.0012	43	1	0.0008	0.0001
11/05/2002	2:00 PM	1	1 of 2	49	1	7.6	0.0	160	3	2.2	0.0
11/05/2002	2:00 PM	1	2 of 2	49	1	7.7	0.4	166	3	2.2	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (50585)		Thorium (Th) µg/L (82365)		Thallium (Tl) µg/L (01057)		Thulium (Tm) µg/L ??	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	<0.005	0.003	<0.001	0.001	0.002	0.001	0.0004	0.0001
10/30/2001	5:15 PM	10	2 of 2	<0.005	0.003	<0.001	0.003	0.002	0.001	0.0003	0.0001
02/12/2002	12:00 PM	8	1 of 2	<0.008	0.003	0.0056	0.0042	0.0079	0.0069	0.0011	0.0002
02/12/2002	12:00 PM	8	2 of 2	<0.008	0.002	0.0012	0.0001	0.0027	0.0005	0.0011	0.0001
04/22/2002	3:20 PM	10	1 of 2	<0.004	0.001	0.0017	0.0020	0.003	0.002	0.0005	0.0002
04/22/2002	3:20 PM	10	2 of 2	<0.004	0.003	0.0018	0.0013	0.002	0.001	0.0005	0.0001
08/06/2002	4:30 PM	10	1 of 2	<0.006	0.003	<0.001	0.000	<0.003	0.000	0.0002	0.0001
08/06/2002	4:30 PM	10	2 of 2	<0.006	0.004	0.007	0.006	0.005	0.003	0.0003	0.0001
04/15/2003	10:30 AM	40	1 of 2	<0.007	0.002	0.0015	0.0002	0.023	0.025	0.0005	0.0000
04/15/2003	10:30 AM	40	2 of 2	<0.007	0.001	0.0007	0.0001	0.009	0.006	0.0006	0.0002
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	<0.005	0.001	0.002	0.001	<0.002	0.003	0.0011	0.0000
11/01/2001	8:30 AM	70	2 of 2	0.006	0.004	0.003	0.001	<0.002	0.002	0.0011	0.0002
02/12/2002	11:00 AM	140	1 of 2	<0.008	0.003	0.0033	0.0015	0.0069	0.0027	0.0010	0.0001
02/12/2002	11:00 AM	140	2 of 2	<0.008	0.003	0.0026	0.0008	0.0045	0.0013	0.0010	0.0000
04/22/2002	3:00 PM	140	1 of 2	<0.004	0.000	0.0033	0.0006	0.002	0.000	0.0010	0.0001
04/22/2002	3:00 PM	140	2 of 2	<0.004	0.004	0.0027	0.0012	0.002	0.001	0.0010	0.0001
08/08/2002	12:00 PM	45	1 of 2	<0.006	0.002	0.001	0.001	0.005	0.002	0.0005	0.0001
08/08/2002	12:00 PM	45	2 of 2	<0.006	0.003	0.002	0.002	0.006	0.003	0.0003	0.0001
08/08/2002	1:30 PM	113	1 of 2	0.007	0.000	0.002	0.001	0.008	0.006	0.0005	0.0001
08/08/2002	1:30 PM	113	2 of 2	0.006	0.002	0.003	0.003	0.009	0.006	0.0006	0.0000
11/04/2002	3:50 PM	10	1 of 2	<0.01	0.00	0.0053	0.0029	0.010	0.001	0.0006	0.0001
11/04/2002	3:50 PM	10	2 of 2	<0.01	0.00	0.0033	0.0036	0.006	0.001	0.0005	0.0001
11/04/2002	3:20 PM	55	1 of 2	<0.01	0.00	0.0015	0.0016	0.007	0.005	0.0005	0.0001
11/04/2002	3:20 PM	55	2 of 2	<0.01	0.00	0.0067	0.0062	0.018	0.007	0.0003	0.0001
01/29/2003	2:30 PM	10	1 of 2	<0.003	0.002	0.0029	0.0002	0.005	0.002	0.0013	0.0000
01/29/2003	2:30 PM	10	2 of 2	0.006	0.001	0.0029	0.0006	0.004	0.001	0.0014	0.0000
01/28/2003	4:40 PM	140	1 of 2	<0.003	0.002	0.0027	0.0009	0.004	0.000	0.0011	0.0001
01/28/2003	4:40 PM	140	2 of 2	<0.003	0.003	0.0015	0.0000	0.005	0.003	0.0010	0.0001
04/16/2003	4:00 PM	150	1 of 2	<0.007	0.001	0.0009	0.0001	0.007	0.006	0.0008	0.0001
04/16/2003	4:00 PM	150	2 of 2	<0.007	0.004	0.0011	0.0001	0.009	0.006	0.0007	0.0002
08/05/2003	12:30 PM	1	1 of 2	<0.007	0.002	0.0005	0.0002	0.010	0.008	0.0002	0.0000
08/05/2003	12:30 PM	1	2 of 2	<0.007	0.002	0.0007	0.0006	0.006	0.004	0.0003	0.0001
08/05/2003	3:30 PM	73	1 of 2	<0.007	0.004	0.0011	0.0001	0.007	0.006	0.0006	0.0001
08/05/2003	3:30 PM	73	2 of 2	<0.007	0.001	0.0012	0.0002	<0.004	0.000	0.0008	0.0001
08/05/2003	1:00 PM	120	1 of 2	<0.007	0.002	0.0013	0.0003	<0.004	0.003	0.0006	0.0001
08/05/2003	1:00 PM	120	2 of 2	<0.007	0.005	0.0017	0.0001	0.005	0.004	0.0006	0.0001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (50585)		Thorium (Th) µg/L (82365)		Thallium (Tl) µg/L (01057)		Thulium (Tm) µg/L ??	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	<0.005	0.001	0.002	0.001	0.002	0.001	0.0004	0.0001
10/29/2001	4:15 PM	6	2 of 2	<0.005	0.002	<0.001	0.000	0.004	0.002	0.0004	0.0000
02/12/2002	1:30 PM	60	1 of 2	<0.008	0.003	0.0032	0.0019	0.0033	0.0015	0.0009	0.0001
02/12/2002	1:30 PM	60	2 of 2	<0.008	0.003	0.0033	0.0016	0.0032	0.0012	0.0010	0.0001
04/22/2002	1:50 PM	10	1 of 2	<0.004	0.000	0.0014	0.0010	0.002	0.001	0.0004	0.0000
04/22/2002	1:50 PM	10	2 of 2	<0.004	0.001	0.0018	0.0014	0.002	0.001	0.0005	0.0001
04/15/2003	12:40 PM	32	1 of 2	<0.007	0.002	0.0011	0.0003	0.005	0.003	0.0005	0.0001
04/15/2003	12:40 PM	32	2 of 2	<0.007	0.003	0.0008	0.0002	0.005	0.002	0.0006	0.0002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	<0.005	0.002	<0.001	0.000	0.003	0.002	0.0006	0.0000
10/29/2001	2:45 PM	50	2 of 2	<0.005	0.002	<0.001	0.001	0.003	0.003	0.0004	0.0001
02/13/2002	8:30 AM	120	1 of 2	<0.008	0.001	0.0033	0.0015	0.0062	0.0032	0.0012	0.0000
02/13/2002	8:30 AM	120	2 of 2	<0.008	0.003	0.0011	0.0001	0.0037	0.0018	0.0011	0.0000
04/22/2002	12:20 PM	120	1 of 2	<0.004	0.002	0.0023	0.0013	0.003	0.002	0.0010	0.0002
04/22/2002	12:20 PM	120	2 of 2	<0.004	0.004	0.0011	0.0003	0.002	0.001	0.0009	0.0003
08/07/2002	12:10 PM	10	1 of 2	<0.006	0.003	<0.001	0.000	0.005	0.002	0.0002	0.0001
08/07/2002	12:10 PM	10	2 of 2	<0.006	0.005	0.002	0.002	0.005	0.003	0.0003	0.0001
08/07/2002	12:40 PM	47	1 of 2	0.007	0.003	0.001	0.001	0.005	0.001	0.0004	0.0001
08/07/2002	12:40 PM	47	2 of 2	<0.006	0.002	0.002	0.000	0.004	0.002	0.0004	0.0001
08/08/2002	2:50 PM	80	1 of 2	0.008	0.006	<0.001	0.001	0.005	0.004	0.0006	0.0001
08/08/2002	2:50 PM	80	2 of 2	<0.006	0.002	0.003	0.001	0.004	0.001	0.0005	0.0000
11/05/2002	2:30 PM	10	1 of 2	<0.01	0.00	0.0040	0.0037	0.015	0.001	0.0004	0.0001
11/05/2002	2:30 PM	10	2 of 2	<0.01	0.01	0.0017	0.0007	0.008	0.001	0.0003	0.0001
11/05/2002	2:10 PM	30	1 of 2	<0.01	0.01	0.0018	0.0022	0.008	0.007	0.0005	0.0001
11/05/2002	2:10 PM	30	2 of 2	<0.01	0.01	<0.001	0.001	0.007	0.006	0.0005	0.0001
01/29/2003	2:00 PM	10	1 of 2	<0.003	0.004	0.0020	0.0002	0.003	0.001	0.0011	0.0001
01/29/2003	2:00 PM	10	2 of 2	0.005	0.001	0.0021	0.0002	0.002	0.000	0.0012	0.0000
01/28/2003	3:30 PM	120	1 of 2	<0.003	0.003	0.0033	0.0007	0.008	0.005	0.0012	0.0001
01/28/2003	3:30 PM	120	2 of 2	<0.003	0.004	0.0022	0.0001	0.004	0.000	0.0010	0.0002
04/17/2003	10:30 AM	125	1 of 2	<0.007	0.005	0.0013	0.0002	0.008	0.007	0.0006	0.0002
04/17/2003	10:30 AM	125	2 of 2	<0.007	0.003	0.0012	0.0003	0.009	0.007	0.0008	0.0002
08/07/2003	11:30 AM	1	1 of 2	0.007	0.003	0.0006	0.0003	0.006	0.007	0.0002	0.0001
08/07/2003	11:30 AM	1	2 of 2	<0.007	0.000	0.0009	0.0006	0.005	0.001	0.0003	0.0001
08/07/2003	11:50 AM	100	1 of 2	<0.007	0.002	0.0012	0.0004	0.007	0.003	0.0008	0.0001
08/07/2003	11:50 AM	100	2 of 2	0.007	0.004	0.0009	0.0004	0.010	0.008	0.0006	0.0002

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (50585)		Thorium (Th) µg/L (82365)		Thallium (Tl) µg/L (01057)		Thulium (Tm) µg/L ??	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	<0.005	0.002	0.002	0.002	0.002	0.000	0.0004	0.0000
10/31/2001	10:15 AM	12	2 of 2	<0.005	0.001	<0.001	0.001	0.002	0.000	0.0004	0.0000
02/13/2002	9:00 AM	80	1 of 2	<0.008	0.002	0.0025	0.0003	0.0043	0.0015	0.0008	0.0001
02/13/2002	9:00 AM	80	2 of 2	<0.008	0.003	0.0022	0.0015	0.0054	0.0033	0.0007	0.0001
04/22/2002	10:40 AM	80	1 of 2	<0.004	0.004	0.0030	0.0018	0.004	0.001	0.0008	0.0001
04/22/2002	10:40 AM	80	2 of 2	<0.004	0.005	0.0041	0.0014	0.004	0.002	0.0009	0.0000
08/06/2002	5:50 PM	10	1 of 2	0.007	0.002	0.002	0.001	0.004	0.002	0.0002	0.0001
08/06/2002	5:50 PM	10	2 of 2	<0.006	0.002	0.002	0.000	<0.003	0.002	0.0003	0.0001
08/06/2002	6:20 PM	55	1 of 2	<0.006	0.004	0.002	0.002	<0.003	0.000	0.0005	0.0000
08/06/2002	6:20 PM	55	2 of 2	0.006	0.001	0.003	0.002	0.004	0.001	0.0005	0.0001
11/05/2002	4:10 PM	7	1 of 2	<0.01	0.00	0.0077	0.0055	0.029	0.029	0.0004	0.0001
11/05/2002	4:10 PM	7	2 of 2	<0.01	0.00	0.0024	0.0002	0.009	0.006	0.0004	0.0002
01/29/2003	1:20 PM	10	1 of 2	<0.003	0.003	0.0018	0.0002	0.004	0.003	0.0011	0.0001
01/29/2003	1:20 PM	10	2 of 2	<0.003	0.002	0.0019	0.0006	0.003	0.002	0.0012	0.0000
01/28/2003	2:50 PM	85	1 of 2	<0.003	0.003	0.0027	0.0011	0.005	0.003	0.0012	0.0002
01/28/2003	2:50 PM	85	2 of 2	0.003	0.002	0.0023	0.0009	0.002	0.001	0.0012	0.0001
04/17/2003	11:30 AM	90	1 of 2	<0.007	0.002	0.0014	0.0003	0.005	0.003	0.0009	0.0001
04/17/2003	11:30 AM	90	2 of 2	<0.007	0.001	0.0012	0.0002	0.004	0.002	0.0010	0.0001
08/07/2003	10:00 AM	1	1 of 2	<0.007	0.003	0.0010	0.0005	<0.004	0.002	0.0002	0.0001
08/07/2003	10:00 AM	1	2 of 2	<0.007	0.005	0.0011	0.0009	0.006	0.003	0.0003	0.0000
08/06/2003	3:00 PM	100	1 of 2	<0.007	0.002	0.0012	0.0003	0.011	0.011	0.0005	0.0001
08/06/2003	3:00 PM	100	2 of 2	<0.007	0.004	0.0009	0.0002	0.006	0.005	0.0007	0.0001
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	<0.005	0.003	<0.001	0.002	0.005	0.002	0.0004	0.0000
10/31/2001	1:00 PM	4	2 of 2	<0.005	0.003	0.002	0.002	0.010	0.009	0.0005	0.0001
02/13/2002	1:00 PM	20	1 of 2	<0.008	0.005	0.0032	0.0011	0.0051	0.0023	0.0012	0.0002
02/13/2002	1:00 PM	20	2 of 2	<0.008	0.006	0.0029	0.0010	0.0048	0.0013	0.0013	0.0000
04/23/2002	12:10 PM	20	1 of 2	<0.004	0.003	0.0020	0.0006	<0.002	0.001	0.0005	0.0000
04/23/2002	12:10 PM	20	2 of 2	<0.004	0.001	0.0025	0.0021	0.003	0.001	0.0005	0.0002
08/07/2002	6:50 PM	57	1 of 2	<0.006	0.006	<0.001	0.000	0.005	0.003	0.0006	0.0002
08/07/2002	6:50 PM	57	2 of 2	<0.006	0.004	0.002	0.001	0.008	0.004	0.0007	0.0001
01/30/2003	3:30 PM	55	1 of 2	<0.003	0.005	0.0036	0.0007	0.004	0.000	0.0015	0.0001
01/30/2003	3:30 PM	55	2 of 2	0.004	0.004	0.0034	0.0017	0.005	0.003	0.0015	0.0001
04/17/2003	2:30 PM	55	1 of 2	<0.007	0.002	0.0014	0.0000	0.006	0.001	0.0014	0.0001
04/17/2003	2:30 PM	55	2 of 2	<0.007	0.001	0.0017	0.0006	0.005	0.003	0.0012	0.0001
08/07/2003	4:00 PM	1	1 of 2	<0.007	0.004	0.0009	0.0007	0.011	0.007	0.0004	0.0001
08/07/2003	4:00 PM	1	2 of 2	<0.007	0.004	0.0003	0.0003	0.017	0.000	0.0003	0.0001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Tellurium (Te) µg/L (50585)		Thorium (Th) µg/L (82365)		Thallium (Tl) µg/L (01057)		Thulium (Tm) µg/L ??	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	<0.006	0.003	0.001	0.001	0.004	0.002	0.0002	0.0001
08/07/2002	3:40 PM	10	2 of 2	<0.006	0.003	0.002	0.000	0.006	0.002	0.0002	0.0001
04/17/2003	1:20 PM	80	1 of 2	<0.007	0.000	0.0012	0.0003	0.004	0.003	0.0008	0.0003
04/17/2003	1:20 PM	80	2 of 2	<0.007	0.005	0.0017	0.0000	0.005	0.001	0.0008	0.0001
08/07/2003	1:00 PM	1	1 of 2	<0.007	0.007	0.0003	0.0000	<0.004	0.004	0.0003	0.0000
08/07/2003	1:00 PM	1	2 of 2	<0.007	0.002	<0.0002	0.0001	0.005	0.007	0.0002	0.0000
08/07/2003	1:30 PM	40	1 of 2	<0.007	0.002	0.0004	0.0003	<0.004	0.003	0.0005	0.0001
08/07/2003	1:30 PM	40	2 of 2	<0.007	0.003	0.0007	0.0002	<0.004	0.001	0.0004	0.0000
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.039	0.003	0.16	0.01	0.53	0.00	0.44	0.00
10/31/2001	2:15 PM	1	2 of 2	0.031	0.001	0.17	0.00	0.56	0.00	0.47	0.00
02/13/2002	3:10 PM	10	1 of 2	<0.008	0.000	0.0023	0.0010	0.0044	0.0015	0.0011	0.0000
02/13/2002	3:10 PM	10	2 of 2	<0.008	0.001	0.0035	0.0008	0.0063	0.0028	0.0011	0.0002
02/13/2002	3:30 PM	35	1of 1	<0.008	0.002	0.0045	0.0011	0.011	0.004	0.0015	0.0002
04/24/2002	11:10 AM	30	1 of 2	<0.004	0.001	0.0016	0.0017	0.006	0.000	0.0010	0.0001
04/24/2002	11:10 AM	30	2 of 2	<0.004	0.000	0.0014	0.0008	0.008	0.002	0.0009	0.0001
08/07/2002	5:00 PM	1	1 of 2	0.012	0.005	0.005	0.001	0.16	0.00	0.059	0.000
08/07/2002	5:00 PM	1	2 of 2	0.019	0.001	0.005	0.001	0.16	0.00	0.058	0.000
11/05/2002	2:50 PM	0	1 of 2	0.03	0.01	0.080	0.028	0.47	0.02	0.28	0.00
11/05/2002	2:50 PM	0	2 of 2	0.04	0.00	0.054	0.006	0.47	0.00	0.27	0.00
01/30/2003	12:30 PM	10	1 of 2	0.004	0.001	0.0023	0.0004	0.006	0.001	0.0011	0.0001
01/30/2003	12:30 PM	10	2 of 2	<0.003	0.002	0.0021	0.0002	0.005	0.003	0.0012	0.0001
01/30/2003	1:20 PM	38	1 of 2	0.030	0.005	0.0025	0.0004	0.084	0.005	0.048	0.000
01/30/2003	1:20 PM	38	2 of 2	0.028	0.002	0.0032	0.0005	0.083	0.003	0.049	0.002
04/17/2003	4:00 PM	40	1 of 2	0.010	0.000	0.0013	0.0002	0.12	0.00	0.075	0.001
04/17/2003	4:00 PM	40	2 of 2	0.021	0.001	0.0011	0.0003	0.12	0.01	0.078	0.000
08/07/2003	4:30 PM	1	1 of 2	0.009	0.002	0.0007	0.0003	0.065	0.000	0.0017	0.0001
08/07/2003	4:30 PM	1	2 of 2	0.010	0.003	0.0004	0.0004	0.069	0.011	0.0017	0.0003
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.025	0.001	0.026	0.001	0.11	0.00	0.19	0.01
02/13/2002	2:20 PM	52	1 of 2	<0.008	0.003	0.0065	0.0049	0.0052	0.0010	0.0019	0.0001
02/13/2002	2:20 PM	52	2 of 2	<0.008	0.002	0.0062	0.0049	0.0094	0.0055	0.0019	0.0001
04/23/2002	1:10 PM	20	1 of 2	<0.004	0.003	0.0008	0.0004	0.003	0.001	0.0005	0.0002
04/23/2002	1:10 PM	20	2 of 2	<0.004	0.004	0.0009	0.0005	0.003	0.001	0.0005	0.0001
11/05/2002	2:00 PM	1	1 of 2	0.02	0.01	0.081	0.036	0.51	0.01	1.2	0.0
11/05/2002	2:00 PM	1	2 of 2	0.03	0.01	0.086	0.023	0.52	0.03	1.2	0.0

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (22703)		Vanadium (V) µg/L (01085)		Yttrium (Y) µg/L (01201)		Ytterbium (Yb) µg/L (01194)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)											
Station number 390317121185001											
10/30/2001	5:15 PM	10	1 of 2	0.054	0.000	1.2	0.0	0.016	0.001	0.0027	0.0004
10/30/2001	5:15 PM	10	2 of 2	0.054	0.001	1.2	0.0	0.016	0.000	0.0025	0.0002
02/12/2002	12:00 PM	8	1 of 2	0.019	0.001	0.58	0.04	0.064	0.002	0.0065	0.0005
02/12/2002	12:00 PM	8	2 of 2	0.021	0.001	0.59	0.06	0.063	0.001	0.0058	0.0001
04/22/2002	3:20 PM	10	1 of 2	0.019	0.001	0.59	0.01	0.032	0.001	0.0035	0.0002
04/22/2002	3:20 PM	10	2 of 2	0.019	0.000	0.59	0.00	0.033	0.001	0.0030	0.0002
08/06/2002	4:30 PM	10	1 of 2	0.012	0.000	1.5	0.0	0.0097	0.0002	0.0012	0.0001
08/06/2002	4:30 PM	10	2 of 2	0.012	0.000	1.4	0.0	0.010	0.000	0.0016	0.0005
04/15/2003	10:30 AM	40	1 of 2	0.017	0.001	0.45	0.02	0.039	0.001	0.0048	0.0002
04/15/2003	10:30 AM	40	2 of 2	0.016	0.001	0.44	0.04	0.040	0.001	0.0041	0.0002
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)											
Station number 390307121183801											
11/01/2001	8:30 AM	70	1 of 2	0.026	0.001	0.89	0.03	0.065	0.001	0.0073	0.0008
11/01/2001	8:30 AM	70	2 of 2	0.029	0.000	0.94	0.03	0.073	0.001	0.0072	0.0004
02/12/2002	11:00 AM	140	1 of 2	0.019	0.000	0.46	0.04	0.061	0.001	0.0060	0.0000
02/12/2002	11:00 AM	140	2 of 2	0.020	0.001	0.45	0.03	0.063	0.002	0.0064	0.0002
04/22/2002	3:00 PM	140	1 of 2	0.017	0.001	0.51	0.02	0.065	0.002	0.0062	0.0006
04/22/2002	3:00 PM	140	2 of 2	0.015	0.001	0.52	0.02	0.066	0.002	0.0064	0.0005
08/08/2002	12:00 PM	45	1 of 2	0.0067	0.0007	0.7	0.1	0.027	0.002	0.0037	0.0003
08/08/2002	12:00 PM	45	2 of 2	0.0068	0.0010	0.7	0.1	0.026	0.001	0.0025	0.0005
08/08/2002	1:30 PM	113	1 of 2	0.012	0.001	0.2	0.0	0.031	0.000	0.0031	0.0001
08/08/2002	1:30 PM	113	2 of 2	0.012	0.000	0.2	0.0	0.030	0.000	0.0029	0.0002
11/04/2002	3:50 PM	10	1 of 2	0.026	0.000	0.75	0.09	0.033	0.000	0.0038	0.0005
11/04/2002	3:50 PM	10	2 of 2	0.026	0.001	0.73	0.06	0.033	0.001	0.0037	0.0003
11/04/2002	3:20 PM	55	1 of 2	0.028	0.000	0.77	0.00	0.023	0.000	0.0027	0.0004
11/04/2002	3:20 PM	55	2 of 2	0.027	0.001	0.79	0.00	0.023	0.001	0.0032	0.0005
01/29/2003	2:30 PM	10	1 of 2	0.017	0.000	0.53	0.02	0.090	0.001	0.0087	0.0005
01/29/2003	2:30 PM	10	2 of 2	0.017	0.001	0.52	0.01	0.092	0.002	0.0087	0.0000
01/28/2003	4:40 PM	140	1 of 2	0.019	0.000	0.39	0.02	0.075	0.002	0.0072	0.0004
01/28/2003	4:40 PM	140	2 of 2	0.018	0.001	0.39	0.02	0.076	0.001	0.0079	0.0004
04/16/2003	4:00 PM	150	1 of 2	0.016	0.000	0.37	0.03	0.052	0.000	0.0057	0.0002
04/16/2003	4:00 PM	150	2 of 2	0.016	0.000	0.37	0.05	0.052	0.002	0.0055	0.0006
08/05/2003	12:30 PM	1	1 of 2	0.012	0.000	1.5	0.0	0.0075	0.0008	0.0014	0.0002
08/05/2003	12:30 PM	1	2 of 2	0.013	0.000	1.4	0.0	0.0080	0.0002	0.0013	0.0003
08/05/2003	3:30 PM	73	1 of 2	0.011	0.000	0.36	0.00	0.036	0.002	0.0045	0.0002
08/05/2003	3:30 PM	73	2 of 2	0.011	0.000	0.40	0.04	0.037	0.001	0.0051	0.0006
08/05/2003	1:00 PM	120	1 of 2	0.012	0.000	0.25	0.00	0.039	0.001	0.0042	0.0001
08/05/2003	1:00 PM	120	2 of 2	0.013	0.001	0.25	0.01	0.040	0.001	0.0043	0.0007

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (22703)		Vanadium (V) µg/L (01085)		Yttrium (Y) µg/L (01201)		Ytterbium (Yb) µg/L (01194)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)											
Station number 390244121171801											
10/29/2001	4:15 PM	6	1 of 2	0.054	0.004	1.2	0.1	0.015	0.001	0.0027	0.0001
10/29/2001	4:15 PM	6	2 of 2	0.055	0.001	1.2	0.1	0.016	0.001	0.0023	0.0003
02/12/2002	1:30 PM	60	1 of 2	0.019	0.000	0.55	0.08	0.061	0.001	0.0068	0.0005
02/12/2002	1:30 PM	60	2 of 2	0.021	0.001	0.57	0.06	0.061	0.000	0.0066	0.0004
04/22/2002	1:50 PM	10	1 of 2	0.019	0.000	0.57	0.01	0.034	0.002	0.0034	0.0004
04/22/2002	1:50 PM	10	2 of 2	0.018	0.000	0.56	0.02	0.036	0.000	0.0034	0.0006
04/15/2003	12:40 PM	32	1 of 2	0.017	0.001	0.48	0.01	0.041	0.001	0.0041	0.0006
04/15/2003	12:40 PM	32	2 of 2	0.016	0.000	0.47	0.01	0.040	0.000	0.0040	0.0006
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)											
Station number 390238121173101											
10/29/2001	2:45 PM	50	1 of 2	0.055	0.000	1.2	0.0	0.040	0.001	0.0049	0.0013
10/29/2001	2:45 PM	50	2 of 2	0.050	0.001	1.1	0.0	0.036	0.002	0.0036	0.0003
02/13/2002	8:30 AM	120	1 of 2	0.020	0.001	0.51	0.04	0.066	0.001	0.0066	0.0004
02/13/2002	8:30 AM	120	2 of 2	0.018	0.001	0.50	0.04	0.066	0.001	0.0071	0.0004
04/22/2002	12:20 PM	120	1 of 2	0.016	0.001	0.49	0.00	0.066	0.001	0.0064	0.0002
04/22/2002	12:20 PM	120	2 of 2	0.015	0.001	0.50	0.01	0.069	0.002	0.0054	0.0002
08/07/2002	12:10 PM	10	1 of 2	0.010	0.000	1.3	0.0	0.012	0.000	0.0014	0.0003
08/07/2002	12:10 PM	10	2 of 2	0.011	0.001	1.3	0.1	0.012	0.000	0.0009	0.0001
08/07/2002	12:40 PM	47	1 of 2	0.0066	0.0006	0.6	0.1	0.028	0.000	0.0035	0.0001
08/07/2002	12:40 PM	47	2 of 2	0.0068	0.0006	0.6	0.0	0.026	0.001	0.0034	0.0001
08/08/2002	2:50 PM	80	1 of 2	0.011	0.000	0.3	0.0	0.034	0.001	0.0038	0.0001
08/08/2002	2:50 PM	80	2 of 2	0.011	0.000	0.3	0.0	0.034	0.000	0.0035	0.0006
11/05/2002	2:30 PM	10	1 of 2	0.034	0.002	0.90	0.06	0.023	0.003	0.0032	0.0003
11/05/2002	2:30 PM	10	2 of 2	0.034	0.001	0.87	0.09	0.023	0.000	0.0028	0.0004
11/05/2002	2:10 PM	30	1 of 2	0.039	0.001	0.94	0.01	0.030	0.002	0.0027	0.0001
11/05/2002	2:10 PM	30	2 of 2	0.039	0.000	0.92	0.01	0.030	0.002	0.0033	0.0001
01/29/2003	2:00 PM	10	1 of 2	0.019	0.001	0.48	0.03	0.082	0.001	0.0071	0.0000
01/29/2003	2:00 PM	10	2 of 2	0.019	0.000	0.48	0.01	0.080	0.001	0.0073	0.0004
01/28/2003	3:30 PM	120	1 of 2	0.019	0.000	0.40	0.00	0.076	0.002	0.0067	0.0002
01/28/2003	3:30 PM	120	2 of 2	0.019	0.000	0.38	0.03	0.081	0.002	0.0076	0.0003
04/17/2003	10:30 AM	125	1 of 2	0.016	0.001	0.37	0.01	0.048	0.001	0.0046	0.0005
04/17/2003	10:30 AM	125	2 of 2	0.016	0.000	0.37	0.02	0.047	0.000	0.0058	0.0006
08/07/2003	11:30 AM	1	1 of 2	0.011	0.000	1.3	0.0	0.010	0.001	0.0013	0.0002
08/07/2003	11:30 AM	1	2 of 2	0.010	0.001	1.3	0.0	0.011	0.001	0.0011	0.0002
08/07/2003	11:50 AM	100	1 of 2	0.012	0.000	0.27	0.00	0.036	0.001	0.0042	0.0002
08/07/2003	11:50 AM	100	2 of 2	0.013	0.000	0.27	0.03	0.035	0.001	0.0043	0.0004

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (22703)		Vanadium (V) µg/L (01085)		Yttrium (Y) µg/L (01201)		Ytterbium (Yb) µg/L (01194)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)											
Station number 390202121162201											
10/31/2001	10:15 AM	12	1 of 2	0.050	0.001	1.1	0.1	0.026	0.001	0.0031	0.0002
10/31/2001	10:15 AM	12	2 of 2	0.050	0.001	1.1	0.1	0.025	0.001	0.0035	0.0002
02/13/2002	9:00 AM	80	1 of 2	0.020	0.001	0.36	0.07	0.052	0.001	0.0053	0.0002
02/13/2002	9:00 AM	80	2 of 2	0.019	0.001	0.42	0.00	0.052	0.001	0.0053	0.0012
04/22/2002	10:40 AM	80	1 of 2	0.016	0.001	0.51	0.03	0.059	0.000	0.0055	0.0002
04/22/2002	10:40 AM	80	2 of 2	0.017	0.001	0.51	0.03	0.060	0.001	0.0066	0.0005
08/06/2002	5:50 PM	10	1 of 2	0.010	0.000	1.3	0.0	0.014	0.001	0.0021	0.0002
08/06/2002	5:50 PM	10	2 of 2	0.012	0.001	1.3	0.0	0.014	0.001	0.0017	0.0001
08/06/2002	6:20 PM	55	1 of 2	0.0083	0.0006	0.5	0.0	0.028	0.000	0.0036	0.0001
08/06/2002	6:20 PM	55	2 of 2	0.0071	0.0004	0.5	0.0	0.027	0.001	0.0028	0.0005
11/05/2002	4:10 PM	7	1 of 2	0.044	0.007	1.2	0.1	0.024	0.002	0.0033	0.0006
11/05/2002	4:10 PM	7	2 of 2	0.040	0.002	1.2	0.0	0.023	0.001	0.0025	0.0005
01/29/2003	1:20 PM	10	1 of 2	0.022	0.001	0.34	0.02	0.074	0.000	0.0069	0.0002
01/29/2003	1:20 PM	10	2 of 2	0.022	0.000	0.34	0.01	0.075	0.001	0.0069	0.0003
01/28/2003	2:50 PM	85	1 of 2	0.019	0.000	0.40	0.02	0.077	0.003	0.0072	0.0003
01/28/2003	2:50 PM	85	2 of 2	0.020	0.001	0.41	0.00	0.077	0.001	0.0075	0.0005
04/17/2003	11:30 AM	90	1 of 2	0.016	0.000	0.47	0.02	0.069	0.000	0.0068	0.0006
04/17/2003	11:30 AM	90	2 of 2	0.015	0.000	0.46	0.03	0.066	0.000	0.0068	0.0004
08/07/2003	10:00 AM	1	1 of 2	0.0099	0.0008	1.2	0.0	0.012	0.001	0.0017	0.0005
08/07/2003	10:00 AM	1	2 of 2	0.0092	0.0003	1.2	0.0	0.013	0.000	0.0017	0.0001
08/06/2003	3:00 PM	100	1 of 2	0.0063	0.0004	0.18	0.02	0.037	0.002	0.0046	0.0006
08/06/2003	3:00 PM	100	2 of 2	0.0059	0.0005	0.17	0.00	0.036	0.001	0.0039	0.0001
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)											
Station number 390159121171401											
10/31/2001	1:00 PM	4	1 of 2	0.052	0.001	0.97	0.08	0.027	0.006	0.0033	0.0001
10/31/2001	1:00 PM	4	2 of 2	0.057	0.002	1.0	0.1	0.022	0.002	0.0035	0.0003
02/13/2002	1:00 PM	20	1 of 2	0.020	0.000	0.56	0.03	0.073	0.000	0.0074	0.0010
02/13/2002	1:00 PM	20	2 of 2	0.019	0.001	0.58	0.03	0.073	0.001	0.0069	0.0002
04/23/2002	12:10 PM	20	1 of 2	0.018	0.002	0.56	0.03	0.036	0.002	0.0035	0.0004
04/23/2002	12:10 PM	20	2 of 2	0.018	0.001	0.58	0.03	0.036	0.000	0.0037	0.0004
08/07/2002	6:50 PM	57	1 of 2	0.0081	0.0002	0.7	0.1	0.038	0.001	0.0036	0.0004
08/07/2002	6:50 PM	57	2 of 2	0.0087	0.0012	0.7	0.1	0.040	0.001	0.0043	0.0001
01/30/2003	3:30 PM	55	1 of 2	0.018	0.000	0.41	0.00	0.093	0.002	0.0090	0.0009
01/30/2003	3:30 PM	55	2 of 2	0.018	0.000	0.41	0.03	0.096	0.001	0.0092	0.0005
04/17/2003	2:30 PM	55	1 of 2	0.018	0.001	0.41	0.01	0.081	0.000	0.0077	0.0004
04/17/2003	2:30 PM	55	2 of 2	0.017	0.001	0.41	0.01	0.087	0.000	0.0082	0.0001
08/07/2003	4:00 PM	1	1 of 2	0.010	0.001	1.1	0.0	0.022	0.001	0.0024	0.0004
08/07/2003	4:00 PM	1	2 of 2	0.011	0.000	1.1	0.0	0.022	0.002	0.0024	0.0002

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. — Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Uranium (U) µg/L (22703)		Vanadium (V) µg/L (01085)		Yttrium (Y) µg/L (01201)		Ytterbium (Yb) µg/L (01194)	
				Avg	s.d.	Avg	s.d.	Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)											
Station number 390331121174101											
08/07/2002	3:40 PM	10	1 of 2	0.0092	0.0008	1.4	0.1	0.013	0.000	0.0018	0.0006
08/07/2002	3:40 PM	10	2 of 2	0.0094	0.0009	1.4	0.1	0.012	0.000	0.0015	0.0003
04/17/2003	1:20 PM	80	1 of 2	0.016	0.000	0.44	0.02	0.052	0.000	0.0063	0.0005
04/17/2003	1:20 PM	80	2 of 2	0.016	0.001	0.47	0.00	0.053	0.002	0.0063	0.0004
08/07/2003	1:00 PM	1	1 of 2	0.0094	0.0005	1.5	0.0	0.0093	0.0009	0.0015	0.0002
08/07/2003	1:00 PM	1	2 of 2	0.0094	0.0005	1.5	0.0	0.0094	0.0002	0.0014	0.0003
08/07/2003	1:30 PM	40	1 of 2	0.0055	0.0004	0.73	0.01	0.021	0.001	0.0021	0.0005
08/07/2003	1:30 PM	40	2 of 2	0.0053	0.0003	0.74	0.01	0.020	0.001	0.0026	0.0003
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)											
Station number 390148121171701											
10/31/2001	2:15 PM	1	1 of 2	0.48	0.01	0.32	0.07	34	0	2.6	0.0
10/31/2001	2:15 PM	1	2 of 2	0.50	0.01	0.29	0.05	34	0	2.8	0.0
02/13/2002	3:10 PM	10	1 of 2	0.019	0.001	0.49	0.07	0.073	0.001	0.0071	0.0002
02/13/2002	3:10 PM	10	2 of 2	0.019	0.001	0.50	0.06	0.073	0.001	0.0081	0.0004
02/13/2002	3:30 PM	35	1of 1	0.024	0.001	0.26	0.05	0.12	0.00	0.011	0.000
04/24/2002	11:10 AM	30	1 of 2	0.015	0.001	0.35	0.02	0.072	0.000	0.0079	0.0005
04/24/2002	11:10 AM	30	2 of 2	0.014	0.001	0.35	0.02	0.070	0.003	0.0067	0.0007
08/07/2002	5:00 PM	1	1 of 2	0.052	0.002	<0.1	0.1	4.5	0.1	0.35	0.01
08/07/2002	5:00 PM	1	2 of 2	0.049	0.002	<0.1	0.1	4.5	0.0	0.35	0.01
11/05/2002	2:50 PM	0	1 of 2	0.31	0.01	0.07	0.01	20	0	1.7	0.0
11/05/2002	2:50 PM	0	2 of 2	0.31	0.00	0.06	0.02	19	0	1.7	0.0
01/30/2003	12:30 PM	10	1 of 2	0.019	0.000	0.52	0.03	0.084	0.002	0.0086	0.0001
01/30/2003	12:30 PM	10	2 of 2	0.018	0.001	0.50	0.00	0.083	0.004	0.0078	0.0005
01/30/2003	1:20 PM	38	1 of 2	0.064	0.001	0.04	0.02	3.6	0.0	0.29	0.00
01/30/2003	1:20 PM	38	2 of 2	0.065	0.001	0.04	0.02	3.7	0.0	0.28	0.00
04/17/2003	4:00 PM	40	1 of 2	0.11	0.00	<0.02	0.01	5.1	0.0	0.44	0.01
04/17/2003	4:00 PM	40	2 of 2	0.11	0.00	<0.02	0.02	5.3	0.0	0.45	0.01
08/07/2003	4:30 PM	1	1 of 2	0.0071	0.0011	0.09	0.01	0.18	0.00	0.011	0.000
08/07/2003	4:30 PM	1	2 of 2	0.0076	0.0022	0.10	0.03	0.18	0.00	0.011	0.001
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)											
Station number 390152121171001											
10/31/2001	2:40 PM	1	1of 1	0.15	0.00	0.10	0.08	18	0	1.1	0.0
02/13/2002	2:20 PM	52	1 of 2	0.014	0.000	0.26	0.06	0.13	0.00	0.012	0.001
02/13/2002	2:20 PM	52	2 of 2	0.014	0.001	0.28	0.07	0.14	0.00	0.011	0.001
04/23/2002	1:10 PM	20	1 of 2	0.018	0.001	0.56	0.01	0.034	0.001	0.0034	0.0006
04/23/2002	1:10 PM	20	2 of 2	0.019	0.000	0.56	0.03	0.034	0.001	0.0036	0.0004
11/05/2002	2:00 PM	1	1 of 2	0.44	0.00	<0.04	0.05	91	2	6.9	0.0
11/05/2002	2:00 PM	1	2 of 2	0.46	0.01	0.06	0.09	94	3	7.1	0.1

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (Zn) µg/L (01090)		Zirconium (Zr) µg/L (01160)	
				Avg	s.d.	Avg	s.d.
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3:00 mile north of dam abutment)							
Station number 390317121185001							
10/30/2001	5:15 PM	10	1 of 2	0.94	0.09	0.0080	0.0033
10/30/2001	5:15 PM	10	2 of 2	1.3	0.0	0.0068	0.0035
02/12/2002	12:00 PM	8	1 of 2	6.1	0.1	0.055	0.000
02/12/2002	12:00 PM	8	2 of 2	5.2	0.0	0.022	0.002
04/22/2002	3:20 PM	10	1 of 2	2.0	0.0	0.0068	0.0005
04/22/2002	3:20 PM	10	2 of 2	1.7	0.0	0.0082	0.0021
08/06/2002	4:30 PM	10	1 of 2	0.70	0.07	0.0050	0.0026
08/06/2002	4:30 PM	10	2 of 2	0.72	0.09	0.016	0.004
04/15/2003	10:30 AM	40	1 of 2	1.9	0.0	0.011	0.001
04/15/2003	10:30 AM	40	2 of 2	1.9	0.0	0.012	0.001
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)							
Station number 390307121183801							
11/01/2001	8:30 AM	70	1 of 2	2.7	0.0	0.015	0.002
11/01/2001	8:30 AM	70	2 of 2	1.9	0.0	0.018	0.004
02/12/2002	11:00 AM	140	1 of 2	2.7	0.0	0.028	0.004
02/12/2002	11:00 AM	140	2 of 2	2.8	0.0	0.024	0.003
04/22/2002	3:00 PM	140	1 of 2	2.0	0.0	0.015	0.003
04/22/2002	3:00 PM	140	2 of 2	1.9	0.0	0.016	0.002
08/08/2002	12:00 PM	45	1 of 2	4.4	0.1	0.0077	0.0025
08/08/2002	12:00 PM	45	2 of 2	4.3	0.2	0.0065	0.0032
08/08/2002	1:30 PM	113	1 of 2	1.0	0.1	0.017	0.009
08/08/2002	1:30 PM	113	2 of 2	0.95	0.06	0.010	0.002
11/04/2002	3:50 PM	10	1 of 2	1.9	0.0	0.014	0.010
11/04/2002	3:50 PM	10	2 of 2	6.6	6.4	0.0075	0.0030
11/04/2002	3:20 PM	55	1 of 2	2.6	0.7	0.0054	0.0047
11/04/2002	3:20 PM	55	2 of 2	2.4	0.3	0.025	0.025
01/29/2003	2:30 PM	10	1 of 2	1.5	0.0	0.020	0.001
01/29/2003	2:30 PM	10	2 of 2	1.5	0.1	0.021	0.003
01/28/2003	4:40 PM	140	1 of 2	1.2	0.0	0.017	0.002
01/28/2003	4:40 PM	140	2 of 2	1.5	0.1	0.016	0.002
04/16/2003	4:00 PM	150	1 of 2	2.1	0.1	0.014	0.001
04/16/2003	4:00 PM	150	2 of 2	2.2	0.1	0.014	0.001
08/05/2003	12:30 PM	1	1 of 2	0.29	0.04	0.011	0.002
08/05/2003	12:30 PM	1	2 of 2	0.28	0.01	0.002	0.001
08/05/2003	3:30 PM	73	1 of 2	2.2	0.0	0.009	0.001
08/05/2003	3:30 PM	73	2 of 2	2.2	0.1	0.010	0.003
08/05/2003	1:00 PM	120	1 of 2	1.4	0.1	0.010	0.001
08/05/2003	1:00 PM	120	2 of 2	1.5	0.1	0.012	0.002

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (Zn) µg/L (01090)		Zirconium (Zr) µg/L (01160)	
				Avg	s.d.	Avg	s.d.
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)							
Station number 390244121171801							
10/29/2001	4:15 PM	6	1 of 2	0.59	0.06	0.0095	0.0004
10/29/2001	4:15 PM	6	2 of 2	0.64	0.09	0.0085	0.0067
02/12/2002	1:30 PM	60	1 of 2	3.0	0.1	0.026	0.006
02/12/2002	1:30 PM	60	2 of 2	3.0	0.0	0.023	0.004
04/22/2002	1:50 PM	10	1 of 2	1.3	0.0	0.0090	0.0022
04/22/2002	1:50 PM	10	2 of 2	1.4	0.1	0.011	0.003
04/15/2003	12:40 PM	32	1 of 2	2.0	0.1	0.012	0.002
04/15/2003	12:40 PM	32	2 of 2	2.7	0.1	0.012	0.002
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)							
Station number 390238121173101							
10/29/2001	2:45 PM	50	1 of 2	1.8	0.1	0.0048	0.0013
10/29/2001	2:45 PM	50	2 of 2	1.7	0.0	0.0065	0.0008
02/13/2002	8:30 AM	120	1 of 2	5.3	0.1	0.020	0.003
02/13/2002	8:30 AM	120	2 of 2	5.2	0.1	0.020	0.001
04/22/2002	12:20 PM	120	1 of 2	3.7	0.1	0.016	0.001
04/22/2002	12:20 PM	120	2 of 2	3.7	0.0	0.012	0.002
08/07/2002	12:10 PM	10	1 of 2	0.86	0.11	0.0041	0.0011
08/07/2002	12:10 PM	10	2 of 2	0.96	0.18	0.0059	0.0028
08/07/2002	12:40 PM	47	1 of 2	7.7	0.2	0.0043	0.0022
08/07/2002	12:40 PM	47	2 of 2	7.6	0.0	0.0064	0.0017
08/08/2002	2:50 PM	80	1 of 2	1.4	0.1	0.012	0.002
08/08/2002	2:50 PM	80	2 of 2	1.5	0.0	0.012	0.002
11/05/2002	2:30 PM	10	1 of 2	2.1	0.5	0.0063	0.0004
11/05/2002	2:30 PM	10	2 of 2	2.4	0.7	0.0056	0.0022
11/05/2002	2:10 PM	30	1 of 2	4.5	0.1	0.030	0.036
11/05/2002	2:10 PM	30	2 of 2	5.6	1.8	0.0056	0.0013
01/29/2003	2:00 PM	10	1 of 2	1.5	0.0	0.017	0.003
01/29/2003	2:00 PM	10	2 of 2	1.4	0.0	0.017	0.002
01/28/2003	3:30 PM	120	1 of 2	1.7	0.0	0.017	0.001
01/28/2003	3:30 PM	120	2 of 2	1.7	0.1	0.016	0.001
04/17/2003	10:30 AM	125	1 of 2	2.1	0.0	0.015	0.003
04/17/2003	10:30 AM	125	2 of 2	2.1	0.1	0.011	0.002
08/07/2003	11:30 AM	1	1 of 2	0.83	0.06	0.003	0.002
08/07/2003	11:30 AM	1	2 of 2	0.67	0.14	0.003	0.001
08/07/2003	11:50 AM	100	1 of 2	2.4	0.0	0.009	0.001
08/07/2003	11:50 AM	100	2 of 2	2.3	0.0	0.008	0.001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (Zn) µg/L (01090)		Zirconium (Zr) µg/L (01160)	
				Avg	s.d.	Avg	s.d.
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland)							
Station number 390202121162201							
10/31/2001	10:15 AM	12	1 of 2	0.51	0.08	0.0062	0.0029
10/31/2001	10:15 AM	12	2 of 2	0.59	0.01	0.0046	0.0015
02/13/2002	9:00 AM	80	1 of 2	2.1	0.1	0.020	0.002
02/13/2002	9:00 AM	80	2 of 2	2.0	0.1	0.020	0.008
04/22/2002	10:40 AM	80	1 of 2	3.3	0.1	0.010	0.001
04/22/2002	10:40 AM	80	2 of 2	3.4	0.1	0.014	0.001
08/06/2002	5:50 PM	10	1 of 2	0.90	0.09	0.0051	0.0008
08/06/2002	5:50 PM	10	2 of 2	1.4	0.3	0.013	0.003
08/06/2002	6:20 PM	55	1 of 2	2.6	0.0	0.0073	0.0029
08/06/2002	6:20 PM	55	2 of 2	2.9	0.1	0.0062	0.0026
11/05/2002	4:10 PM	7	1 of 2	2.1	0.1	0.015	0.002
11/05/2002	4:10 PM	7	2 of 2	1.8	0.1	0.028	0.018
01/29/2003	1:20 PM	10	1 of 2	0.61	0.06	0.015	0.001
01/29/2003	1:20 PM	10	2 of 2	1.3	0.0	0.016	0.000
01/28/2003	2:50 PM	85	1 of 2	1.3	0.1	0.018	0.002
01/28/2003	2:50 PM	85	2 of 2	1.3	0.0	0.016	0.001
04/17/2003	11:30 AM	90	1 of 2	2.0	0.0	0.020	0.006
04/17/2003	11:30 AM	90	2 of 2	3.6	0.0	0.020	0.003
08/07/2003	10:00 AM	1	1 of 2	1.3	0.0	0.004	0.001
08/07/2003	10:00 AM	1	2 of 2	1.4	0.0	0.005	0.002
08/06/2003	3:00 PM	100	1 of 2	1.3	0.0	0.007	0.001
08/06/2003	3:00 PM	100	2 of 2	1.1	0.0	0.008	0.002
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland)							
Station number 390159121171401							
10/31/2001	1:00 PM	4	1 of 2	14	1	0.0031	0.0017
10/31/2001	1:00 PM	4	2 of 2	13	0	0.0035	0.0007
02/13/2002	1:00 PM	20	1 of 2	6.3	0.1	0.023	0.006
02/13/2002	1:00 PM	20	2 of 2	6.5	0.0	0.019	0.003
04/23/2002	12:10 PM	20	1 of 2	1.8	0.0	0.0098	0.0018
04/23/2002	12:10 PM	20	2 of 2	1.9	0.0	0.0087	0.0011
08/07/2002	6:50 PM	57	1 of 2	13	0	0.0041	0.0018
08/07/2002	6:50 PM	57	2 of 2	13	0	0.0048	0.0018
01/30/2003	3:30 PM	55	1 of 2	7.0	0.0	0.020	0.002
01/30/2003	3:30 PM	55	2 of 2	7.3	0.1	0.017	0.000
04/17/2003	2:30 PM	55	1 of 2	16	0	0.018	0.003
04/17/2003	2:30 PM	55	2 of 2	16	1	0.020	0.005
08/07/2003	4:00 PM	1	1 of 2	9.8	0.0	0.002	0.000
08/07/2003	4:00 PM	1	2 of 2	9.9	0.1	0.002	0.001

Table G4. Concentrations of trace metals and selected major elements in filtered water samples, Camp Far West Reservoir, California. —Continued

[Number in parentheses is the data parameter code, a five-digit code used in the U.S. Geological Survey computerized data system. thalweg, former river channel (low elevation path); s.d., standard deviation; µg/L, microgram per liter (equivalent to part per billion); mg/L, milligram per liter (at low concentration, equiivalent to part per million); <, less than]

Date	Time	Depth (ft)	Replicate	Zinc (Zn) µg/L (01090)		Zirconium (Zr) µg/L (01160)	
				Avg	s.d.	Avg	s.d.
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)							
Station number 390331121174101							
08/07/2002	3:40 PM	10	1 of 2	0.72	0.01	0.0046	0.0020
08/07/2002	3:40 PM	10	2 of 2	0.88	0.01	0.0051	0.0030
04/17/2003	1:20 PM	80	1 of 2	1.7	0.0	0.014	0.001
04/17/2003	1:20 PM	80	2 of 2	1.8	0.1	0.015	0.001
08/07/2003	1:00 PM	1	1 of 2	0.31	0.04	0.002	0.001
08/07/2003	1:00 PM	1	2 of 2	0.23	0.03	0.008	0.003
08/07/2003	1:30 PM	40	1 of 2	1.3	0.0	0.005	0.001
08/07/2003	1:30 PM	40	2 of 2	1.2	0.1	0.006	0.000
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)							
Station number 390148121171701							
10/31/2001	2:15 PM	1	1 of 2	4,800	0	0.020	0.002
10/31/2001	2:15 PM	1	2 of 2	4,900	0	0.022	0.004
02/13/2002	3:10 PM	10	1 of 2	8.4	0.0	0.023	0.004
02/13/2002	3:10 PM	10	2 of 2	8.6	0.1	0.030	0.004
02/13/2002	3:30 PM	35	1of 1	58	2	0.025	0.011
04/24/2002	11:10 AM	30	1 of 2	22	0	0.0092	0.0006
04/24/2002	11:10 AM	30	2 of 2	22	0	0.0087	0.0004
08/07/2002	5:00 PM	1	1 of 2	901	11	0.0051	0.0023
08/07/2002	5:00 PM	1	2 of 2	926	40	0.0063	0.0029
11/05/2002	2:50 PM	0	1 of 2	2,710	13	0.019	0.018
11/05/2002	2:50 PM	0	2 of 2	2,680	69	0.015	0.001
01/30/2003	12:30 PM	10	1 of 2	4.6	0.2	0.016	0.002
01/30/2003	12:30 PM	10	2 of 2	4.4	0.1	0.017	0.002
01/30/2003	1:20 PM	38	1 of 2	658	7	0.0046	0.0007
01/30/2003	1:20 PM	38	2 of 2	676	3	0.0041	0.0009
04/17/2003	4:00 PM	40	1 of 2	673	0	0.0075	0.0032
04/17/2003	4:00 PM	40	2 of 2	680	0	0.0054	0.0022
08/07/2003	4:30 PM	1	1 of 2	223	1	0.002	0.001
08/07/2003	4:30 PM	1	2 of 2	221	6	0.005	0.002
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)							
Station number 390152121171001							
10/31/2001	2:40 PM	1	1of 1	7,700	0	0.032	0.005
02/13/2002	2:20 PM	52	1 of 2	51	1	0.029	0.014
02/13/2002	2:20 PM	52	2 of 2	50	0	0.032	0.013
04/23/2002	1:10 PM	20	1 of 2	2.2	0.1	0.0087	0.0013
04/23/2002	1:10 PM	20	2 of 2	2.1	0.0	0.0092	0.0025
11/05/2002	2:00 PM	1	1 of 2	31,700	701	0.023	0.012
11/05/2002	2:00 PM	1	2 of 2	33,400	381	0.025	0.013

Table G5. Concentrations of chlorophyll-a and pheophytin-a in water samples, Camp Far West Reservoir, California.

[thalweg, former river channel (low elevation path). ft, foot; μg/L, microgram per liter. E, estimated; <, less than; –, not determined]

Date	Time	Depth (ft)	Pheophytin-a (μg/L)	Chlorophyll-a (μg/L)
Site 1, LRS: Lower Reservoir, Shallow (Camp Far West Reservoir 0.3 mile north of dam abutment)				
Station number 390317121185001				
10/30/2001	5:15:00 PM	10	–	–
2/12/2002	12:00:00 PM	8	–	–
4/22/2002	3:20:00 PM	10	1.7	1.4
8/6/2002	4:30:00 PM	10	2.9	3.7
4/15/2003	10:30:00 AM	40	1.1	1.4
Site 2, LRT: Lower Reservoir, Thalweg (Camp Far West Reservoir in thalweg near dam near Wheatland)				
Station number 390307121183801				
11/1/2001	8:30:00 AM	70	–	–
2/12/2002	11:00:00 AM	140	–	–
4/22/2002	3:00:00 PM	140	–	–
8/8/2002	12:00:00 PM	45	1.9	0.8
8/8/2002	1:30:00 PM	113	0.7	0.1
11/4/2002	3:50:00 PM	10	–	–
11/4/2002	3:20:00 PM	55	–	–
1/29/2003	2:30:00 PM	10	–	–
1/28/2003	4:40:00 PM	140	–	–
4/16/2003	4:00:00 PM	150	0.7	0.1
8/5/2003	12:30:00 PM	1	1.1	1.4
8/5/2003	3:30:00 PM	73	0.9	0.2
8/5/2003	1:00:00 PM	120	0.5	0.2
Site 3, MRS: Middle Reservoir, Shallow (Camp Far West Reservoir east shoreline 1.6 miles above dam)				
Station number 390244121171801				
10/29/2001	4:15:00 PM	6	–	–
2/12/2002	1:30:00 PM	60	–	–
4/22/2002	1:50:00 PM	10	2.1	1.4
4/15/2003	12:40:00 PM	32	1.1	2.2
Site 4, MRT: Middle Reservoir, Thalweg (Camp Far West Reservoir in thalweg 1.5 miles above dam)				
Station number 390238121173101				
10/29/2001	2:45:00 PM	50		
2/13/2002	8:30:00 AM	120	0.9	0.3
4/22/2002	12:20:00 PM	120	–	–
8/7/2002	12:10:00 PM	10	–	–
8/7/2002	12:40:00 PM	47	2.4	0.9
8/8/2002	2:50:00 PM	80	1.4	0.5
11/5/2002	2:30:00 PM	10	–	–
11/5/2002	2:10:00 PM	30	–	–
1/29/2003	2:00:00 PM	10	4.6	7.6
1/28/2003	3:30:00 PM	120	0.4	E0.1
4/17/2003	10:30:00 AM	125	0.8	0.2
8/7/2003	11:30:00 AM	1	1.1	1.7
8/7/2003	11:50:00 AM	100	0.5	0.1

Table G5. Concentrations of chlorophyll-a and pheophytin-a in water samples, Camp Far West Reservoir, California.—*Continued*

[thalweg, former river channel (low elevation path). ft, foot; mg/L, milligram per liter. E, estimated; <, less than; –, not determined]

Date	Time	Depth (ft)	Pheophytin-a (μg/L)	Chlorophyll-a (μg/L)
Site 5, BRA: Bear River arm (Camp Far West Reservoir Bear River arm near Wheatland				
Station number 390202121162201				
10/31/2001	10:15:00 AM	12	–	–
2/13/2002	9:00:00 AM	80	1.4	0.9
4/22/2002	10:40:00 AM	80	–	–
8/6/2002	5:50:00 PM	10	2.5	3.5
8/6/2002	6:20:00 PM	55	1.9	1
11/5/2002	4:10:00 PM	7	–	–
1/29/2003	1:20:00 PM	10	0.6	0.5
1/28/2003	2:50:00 PM	85	0.4	E0.1
4/17/2003	11:30:00 AM	90	1.1	0.4
8/7/2003	10:00:00 AM	1	1.6	2.2
8/6/2003	3:00:00 PM	100	3.9	0.8
Site 6, DFA: Dairy Farm arm (Camp Far West Reservoir Dairy Farm arm near Wheatland))				
Station number 390159121171401				
10/31/2001	1:00:00 PM	4	–	–
2/13/2002	1:00:00 PM	20	2.3	1.9
4/23/2002	12:10:00 PM	20	–	–
8/7/2002	6:50:00 PM	57	2.4	1.7
1/30/2003	3:30:00 PM	55	0.8	0.4
4/17/2003	2:30:00 PM	55	1.4	0.4
8/7/2003	4:00:00 PM	1	0.8	0.9
Site 7, RCA: Rock Creek arm (Camp Far West Reservoir Rock Creek arm)				
Station number 390331121174101				
8/7/2002	03:40:00 PM	10	2.8	2.9
4/17/2003	01:20:00 PM	80	1	0.2
8/7/2003	01:00:00 PM	1	1	1.5
8/7/2003	01:30:00 PM	40	1.9	0.6
Site 8, DFP: Dairy Farm Mine Pit Lake (Dairy Farm Mine pit lake near Wheatland)				
Station number 390148121171701				
10/31/2001	2:15:00 PM	1	–	–
2/13/2002	3:10:00 PM	10	2.2	2
2/13/2002	3:30:00 PM	35	0.8	0.6
4/24/2002	11:10:00 AM	30	–	–
8/7/2002	5:00:00 PM	0.5	–	–
11/5/2002	2:50:00 PM	1	–	–
1/30/2003	12:30:00 PM	10	5.5	9.4
1/30/2003	1:20:00 PM	38	–	–
4/17/2003	4:00:00 PM	40	0.4	<0.1
8/7/2003	4:30:00 PM	1	0.2	0.3
Site 9, DFI: Dairy Farm Mine Impoundments (Camp Far West Reservoir impoundment Dairy Farm Mine arm)				
Station number 390152121171001				
10/31/2001	2:40:00 PM	0.5	–	–
2/13/2002	2:20:00 PM	52	0.7	0.3
4/23/2002	1:10:00 PM	20	2.1	1.7
11/5/2002	2:00:00 PM	0.5	–	–

Appendix H. Data Tables for Methylmercury Bioaccumulation Factors, Camp Far West Reservoir, California.

Table H1. Methylmercury bioaccumulation factors for spotted bass, 2002–03, Camp Far West Reservoir, California.

[mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Total	Number of fish samples	Arithmetic mean total Hg in fillet (µg/g wet)	Standard deviation total Hg in fillet (µg/g wet)	Arithmetic mean total Hg in whole body (µg/g wet)	Standard deviation total Hg in whole body (µg/g wet)	Average total length (mm)	Standard deviation total length (mm)	Arithmetic mean methyl-mercury in filtered water (ng/L)	Spotted bass fillet methylmercury BAF (L/kg) (wet basis)	Spotted bass fillet methyl-mercury log BAF (wet basis)	Spotted bass whole body methyl-mercury BAF (L/kg) (wet basis)	Spotted bass whole body methyl-mercury log BAF (wet basis)
0-100	46	0.12	0.05	0.10	0.04	71	9	0.04	2.9E+06	6.5	2.5E+06	6.4
101-200	44	0.26	0.06	0.20	0.05	158	26	0.04	6.5E+06	6.8	5.1E+06	6.7
201-300	30	0.39	0.17	0.31	0.12	239	30	0.04	9.9E+06	7.0	7.6E+06	6.9
301-400	46	0.69	0.18	0.53	0.14	347	29	0.04	1.7E+07	7.2	1.3E+07	7.1
401+	14	1.02	0.31	0.77	0.23	420	11	0.04	2.5E+07	7.4	1.9E+07	7.3
all	180	0.42	0.31	0.32	0.23	218	121	0.04	1.0E+07	7.0	8.0E+06	6.9

Table H2. Methylmercury bioaccumulation factors for bluegill, 2002–03, Camp Far West Reservoir, California.

[mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Total length (mm)	Number of fish samples	Arithmetic mean total Hg in fillet (µg/g wet)	Standard deviation total Hg in fillet (µg/g wet)	Arithmetic mean total Hg in whole body (µg/g wet)	Standard deviation total Hg in whole body (µg/g wet)	Average total length (mm)	Standard deviation total length (mm)	Arithmetic mean methylmercury in filtered water (ng/L)	Bluegill fillet methylmercury BAF (L/kg) (wet basis)	Bluegill fillet methylmercury log BAF (wet basis)	Bluegill whole body methylmercury BAF (L/kg) (wet basis)	Bluegill methylmercury log BAF (wet basis)
0-75	15	0.11	0.02	0.09	0.02	50	10	0.04	2.9E+06	6.5	2.2E+06	6.3
76-100	46	0.14	0.05	0.11	0.04	90	7	0.04	3.4E+06	6.5	2.6E+06	6.4
101-125	23	0.15	0.05	0.11	0.04	112	6	0.04	3.7E+06	6.6	2.8E+06	6.5
126-150	24	0.24	0.14	0.19	0.11	138	7	0.04	6.1E+06	6.8	4.7E+06	6.7
150 +	12	0.22	0.06	0.17	0.05	162	11	0.04	5.5E+06	6.7	4.3E+06	6.6
all	120	0.17	0.11	0.13	0.07	106	33	0.04	4.2E+06	6.6	3.2E+06	6.5

Table H3. Methylmercury bioaccumulation factors for threadfin shad, 2002–03, Camp Far West Reservoir, California.

[mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Total length (mm)	Number of fish samples	Arithmetic mean total Hg in whole body (µg/g wet)	Standard deviation total Hg in whole body (µg/g wet)	Average total length (mm)	Standard deviation total length (mm)	Arithmetic mean methylmercury in filtered water (ng/L)	Threadfin shad whole body methylmercury BAF (L/kg) (wet basis)	Threadfin shad whole body methylmercury log BAF (wet basis)
0-60	44	0.07	0.01	51	9	0.04	1.7E+06	6.2
61-90	41	0.12	0.04	80	8	0.04	3.1E+06	6.5
91 +	19	0.17	0.07	102	8	0.04	4.1E+06	6.6
all	104	0.11	0.05	72	21	0.04	2.7E+06	6.4

Table H4. Methylmercury bioaccumulation factors for crayfish, 2002–03, Camp Far West Reservoir, California.

[mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Total length (mm)	Number of crayfish samples	Arithmetic mean methylmercury in whole body (µg/g wet)	Standard deviation methylmercury in whole body (µg/g wet)	Average total length (mm)	Standard deviation total length (mm)	Arithmetic mean methylmercury in filtered water (ng/L)	Crayfish whole body methylmercury BAF (L/kg) (wet basis)	Crayfish whole body methylmercury log BAF (wet basis)
0-60	12	0.027	0.008	52	8	0.04	6.7E+05	5.8
61-80	15	0.038	0.019	72	6	0.04	9.6E+05	6.0
81 +	17	0.043	0.024	89	7	0.04	1.1E+06	6.0
all	44	0.037	0.024	73	17	0.04	9.3E+05	6.0

Table H5. Bioaccumulation factors for mayfly nymphs and midge larvae, 2002, Camp Far West Reservoir, California.

[mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Invertebrate Taxom	Number of invertebrate samples	Arithmetic mean methylmercury in whole body (µg/g wet)	Standard deviation methylmercury in whole body (µg/g wet)	Arithmetic mean methylmercury in filtered water (ng/L)	Invertebrate methylmercury BAF (L/kg) (wet basis)	Invertebrate methylmercury log BAF (wet basis)
Mayfly nymphs	7	0.024	0.011	0.04	5.9E+05	5.8
Midge larvae	9	0.019	0.009	0.04	4.7E+05	5.7

Table H6. Bioaccumulation factors for zooplankton, 2001–03, Camp Far West Reservoir, California.

[Zooplankton methylmercury concentrations converted from dry weight to wet weight assuming water content of 94 percent. mm, millimeter; µg/g, microgram per gram; ng/L, nanogram per liter; Hg, mercury; L/kg, liter per kilogram; BAF, bioaccumulation factor]

Season	Number of samples	Arithmetic mean methylmercury			Zooplankton methylmercury			
		In whole zooplankton body (µg/g dry)	In whole zooplankton body (µg/g wet)	In filtered water (ng/L)	BAF (L/kg) (wet basis)	log BAF (wet basis)	BAF (L/kg) (dry basis)	log BAF (dry basis)
Fall	3	0.004	0.0002	0.04	6.0E+03	3.8	1.0E+05	5.0
Winter	6	0.045	0.0027	0.04	6.8E+04	4.8	1.1E+06	6.1
Spring	8	0.077	0.0046	0.04	1.2E+05	5.1	1.9E+06	6.3
Summer	7	0.027	0.0016	0.04	4.1E+04	4.6	6.8E+05	5.8
Overall	21	0.038	0.0023	0.04	5.7E+04	4.8	9.6E+05	6.0