

APPENDIX F

**Summary Statistics for Monitoring Data:
SRWP, USGS NAWQA,
Sacramento River CMP, and City of Redding**

R49-f
WPY

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SACRAMENTO
RIVER
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Summary Statistics: Mercury Data

Mercury, total

Units = ng/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SCKPP	Spring Ck PP Discharge to Keswick Res.	6/24/98	4/21/99	5	5	100%	0.83	1.56	1.04	1.36	1.36	1.50	1.54	—
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.19	10.40	0.89	1.11	1.19	1.73	2.74	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/14/98	28	28	100%	0.75	32.56	1.20	1.81	2.38	4.00	9.29	—
SRCOL	Sacramento River at Colusa	2/28/96	6/10/98	29	29	100%	1.70	105.16	2.19	2.91	4.57	10.41	18.38	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	4.11	30.80	5.87	7.43	8.66	12.40	16.81	—
COLDR	Colusa Basin Drain	3/6/96	4/15/98	26	26	100%	4.64	19.27	5.78	6.76	7.97	10.81	13.62	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	1.19	46.66	1.71	2.32	3.15	6.27	13.66	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	2.27	46.19	3.47	3.91	5.82	8.26	16.59	—
SRVON	Sacramento River at Verona	2/22/96	5/20/98	28	28	100%	2.46	39.80	3.73	4.83	6.36	8.84	16.97	—
SRVET	Sacramento River at Veterans Bridge	1/18/94	12/16/98	81	81	100%	4.11	25.00	4.69	6.28	9.07	12.52	16.00	—
ARDPK	American River at Discovery Park	1/18/94	12/16/98	79	79	100%	1.10	13.30	1.53	1.97	3.30	4.56	6.89	—
SREPT	Sacramento River at Freeport	2/15/94	12/17/98	110	110	100%	1.47	36.19	3.60	5.26	7.75	11.80	17.47	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	76	76	100%	2.80	73.41	4.02	5.48	7.79	13.29	19.62	—
CCHCK	Cache Creek near Rumsey	2/9/96	4/14/98	36	36	100%	2.68	2247.6	4.27	6.37	19.34	54.60	339.15	—
YOLOB	Yolo Bypass	1/31/96	12/31/98	10	10	100%	17.86	223.71	18.18	21.29	30.56	37.20	64.93	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	4.85	12.84	5.82	6.81	8.23	10.94	12.12	—

Methyl Mercury, total

Units = ng/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRCOL	Sacramento River at Colusa	2/28/96	6/10/98	29	28	97%	0.046	1.265	0.064	0.077	0.102	0.246	0.422	—
SACSL	Sacramento Slough	2/12/96	4/22/98	23	23	100%	0.057	1.18	0.080	0.094	0.152	0.313	0.544	—
COLDR	Colusa Basin Drain	3/6/96	4/15/98	25	25	100%	0.021	0.888	0.086	0.134	0.191	0.256	0.359	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	0.006	1.977	0.050	0.068	0.123	0.162	0.375	—
SREPT	Sacramento River at Freeport	2/20/96	6/9/98	27	26	96%	0.012	0.457	0.031	0.058	0.118	0.187	0.296	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Trace Metals Data

Arsenic, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.59	1.58	0.75	0.80	0.89	1.25	1.45	—
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	15	56%	1	1	<RL	<RL	1	1	1	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	23	85%	1	2	<RL	1	1	1.5	2	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	24	96%	1	6	1	2	4	5	6	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	26	96%	1	6	1.6	2	2	4	4.4	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	1	4%	1	1	<RL	<RL	<RL	<RL	<RL	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	1	4%	1	1	<RL	<RL	<RL	<RL	<RL	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	20	74%	1	2	<RL	<RL	1	1.5	2	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	27	96%	1	6	1	1	2	3	4	—
ARJST	American River at J Street	3/18/96	4/16/98	26	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	15	56%	1	2	<RL	<RL	1	1	1.4	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	1.12	2.09	1.15	1.18	1.28	1.60	1.89	—

Arsenic, total

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.22	2.04	0.67	0.82	0.97	1.41	1.55	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	78	94%	0.83	3.63	1.08	1.40	1.70	1.90	2.28	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	73	38	52%	0.07	1.23	<RL	<RL	0.62	1.00	1.00	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	81	74	91%	0.78	3.6	1.00	1.27	1.48	1.70	1.90	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	68	92%	0.76	3.07	1.04	1.20	1.45	1.80	2.05	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	1.21	2.56	1.28	1.36	1.52	1.88	2.26	—

Cadmium, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	23	96%	0.01	0.071	0.012	0.016	0.026	0.040	0.058	—
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SACSL	Sacramento Slough	2/12/96	4/22/98	25	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	81	26	32%	0.01	0.04	<RL	<RL	0.010	0.015	0.021	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARJST	American River at J Street	3/18/96	4/16/98	26	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARDPK	American River at Discovery Park	1/4/94	12/16/98	73	11	14%	0.01	0.04	<RL	<RL	<RL	<RL	0.015	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	106	29	27%	0.01	0.04	<RL	<RL	0.010	0.015	0.021	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	22	30%	0.01	0.04	<RL	<RL	0.010	0.015	0.021	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	0.004	0.012	0.005	0.006	0.009	0.010	0.011	—

Cadmium, total

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	23	96%	0.009	0.082	0.013	0.018	0.026	0.052	0.069	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	81	68	81%	0.019	0.74	0.016	0.024	0.038	0.059	0.088	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	79	21	27%	0.01	0.2	<RL	<RL	<RL	0.010	0.018	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	79	65	82%	0.017	0.35	0.015	0.021	0.033	0.050	0.061	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	72	54	75%	0.017	0.37	0.017	0.023	0.034	0.050	0.070	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	0.014	0.058	0.017	0.020	0.024	0.035	0.048	—

Summary Statistics: Trace Metals Data

Chromium, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	10	37%	1	1.5	<RL	<RL	<RL	1.0	1.1	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	12	44%	1	2	<RL	<RL	<RL	1.1	1.3	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	22	88%	1	3.2	<RL	1.0	1.9	2.0	2.5	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	25	93%	1	6.3	1.1	2.0	2.0	3.4	4.0	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	3	11%	1	1	<RL	<RL	<RL	<RL	1.0	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	4	15%	1	1.1	<RL	<RL	<RL	<RL	1.0	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	15	56%	1	1.6	<RL	<RL	1.0	1.3	1.5	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	24	86%	1	2.9	<RL	1.0	1.1	1.7	2.0	—
ARJST	American River at J Street	3/18/96	4/16/98	26	1	4%	1.4	1.4	<RL	<RL	<RL	<RL	<RL	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	8	30%	1	2	<RL	<RL	<RL	1.0	1.5	—

Chromium, total

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.59	3.65	0.63	0.74	0.96	1.47	1.81	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	74	89%	0.28	14.3	<RL	1.37	2.24	3.55	4.97	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	81	43	53%	0.13	2.2	<RL	<RL	1.00	1.00	1.10	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	81	69	85%	0.21	9.7	<RL	1.09	1.82	3.26	4.43	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	65	88%	0.8	10	<RL	1.20	1.84	2.96	4.19	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	2.79	10.3	3.51	4.29	4.98	6.60	8.89	—

Copper, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	28	27	96%	0.88	5.14	1.06	1.24	2.24	3.35	4.57	—
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	25	93%	1	3.6	1.00	1.00	1.50	2.00	2.58	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	25	93%	1	3.4	1.00	1.00	1.60	2.00	2.38	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	1	4	1.74	2.00	2.00	2.30	3.00	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	27	100%	1	3	2.00	2.00	2.60	3.00	3.46	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	12	44%	1	3	<RL	<RL	<RL	1.15	1.64	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	19	70%	1	2.1	<RL	<RL	1.00	1.30	2.00	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	25	93%	1	2.3	1.00	1.00	1.70	2.00	2.00	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	82	99%	0.5	2.9	0.98	1.19	1.40	1.68	2.10	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	28	100%	1.8	5	3.00	3.28	4.00	5.00	6.03	—
ARJST	American River at J Street	3/18/96	4/16/98	26	6	23%	1	2.9	<RL	<RL	<RL	<RL	1.70	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	79	66	84%	0.29	1.3	<RL	0.44	0.57	0.80	0.91	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	108	106	98%	0.5	3	0.99	1.05	1.32	1.70	2.20	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	76	75	99%	0.825	6	0.96	1.10	1.40	1.73	2.10	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	1.3	3.25	1.49	1.69	1.78	2.04	2.69	—

Copper, total

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.06	6.97	1.31	1.41	2.36	5.11	6.95	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	83	100%	1.4	16.9	2.43	2.95	3.69	5.14	6.53	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	81	78	96%	0.4	3.6	0.52	0.63	0.82	1.10	1.70	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	81	81	100%	1.54	14	2.01	2.50	3.40	4.66	6.79	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	74	100%	1.2	15	2.13	2.60	3.34	5.15	6.60	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	7	7	100%	3.36	8.08	3.44	3.68	4.90	6.34	7.17	—

Summary Statistics: Trace Metals Data

Lead, dissolved

Units = µg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	22	92%	0.004	0.125	0.006	0.014	0.020	0.036	0.091	—
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SACSL	Sacramento Slough	2/12/96	4/22/98	25	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	20	24%	0.1	0.4	<RL	<RL	<RL	<RL	0.192	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	1	4%	1.3	1.3	<RL	<RL	<RL	<RL	<RL	—
ARJST	American River at J Street	3/18/96	4/16/98	26	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARDPK	American River at Discovery Park	1/4/94	12/16/98	80	16	20%	0.1	0.5	<RL	<RL	<RL	<RL	0.101	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	108	18	17%	0.1	0.5	<RL	<RL	<RL	<RL	0.150	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	76	16	21%	0.04	0.3	<RL	<RL	<RL	<RL	0.100	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	6	6	100%	0.018	0.433	0.030	0.048	0.074	0.125	0.287	—

Lead, total

Units = µg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	23	96%	0.005	0.75	0.027	0.042	0.066	0.098	0.245	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	83	100%	0.2	7.2	0.300	0.400	0.520	0.780	1.100	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	81	71	88%	0.1	1.28	<RL	0.119	0.200	0.300	0.500	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	81	81	100%	0.16	3	0.200	0.300	0.500	0.900	1.270	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	74	100%	0.1	3.4	0.286	0.320	0.530	0.893	1.407	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	6	6	100%	0.437	1.41	0.494	0.553	0.628	1.059	1.295	—

Nickel, dissolved

Units = µg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	18	67%	1	2	<RL	<RL	1.0	1.5	2.0	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	19	70%	1	2	<RL	<RL	1.0	1.3	2.0	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	24	96%	1	3	1.3	1.8	2.0	2.4	3.0	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	27	100%	1.7	3	2.0	2.5	3.0	3.0	3.8	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	7	26%	1	2.1	<RL	<RL	<RL	1.0	1.0	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	5	19%	1	1	<RL	<RL	<RL	<RL	1.0	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	16	59%	1	2	<RL	<RL	1.0	1.1	1.4	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	28	100%	1.8	4.4	2.0	2.3	2.9	3.0	3.8	—
ARJST	American River at J Street	3/18/96	4/16/98	26	4	15%	1	1.3	<RL	<RL	<RL	<RL	1.0	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	8	30%	1	3	<RL	<RL	<RL	1.0	1.5	—

Nickel, total

Units = µg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.94	4.71	1.18	1.45	2.05	2.79	3.22	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	65	63	97%	1.1	22.5	1.95	2.46	4.76	6.60	9.68	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	62	49	79%	0.18	8	<RL	0.58	0.61	1.26	1.98	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	62	60	97%	1.2	18	1.50	2.11	4.03	6.60	9.08	—
SRRMF	Sacramento River at River Mile 44	2/1/94	12/17/98	54	53	98%	1.08	17	1.55	1.93	3.74	6.28	8.52	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	6	6	100%	3.85	13.9	4.51	5.34	7.02	10.14	12.35	—

Summary Statistics: Trace Metals Data

Selenium, dissolved

Units = µg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SACSL	Sacramento Slough	2/12/96	4/22/98	25	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARJST	American River at J Street	3/18/96	4/16/98	26	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1

Selenium, total

Units = µg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	6/24/98	4/21/99	8	8	100%	0.048	0.122	0.048	0.054	0.082	0.111	0.119	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	0.078	0.227	0.082	0.090	0.137	0.194	0.214	—

Silver, dissolved

Units = µg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SACSL	Sacramento Slough	2/12/96	4/22/98	25	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
ARJST	American River at J Street	3/18/96	4/16/98	26	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	1

Silver, total

Units = µg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	16	67%	0.002	0.029	<RL	<RL	0.0079	0.0098	0.0154	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	5	83%	0.01	0.027	<RL	0.0141	0.0147	0.0173	0.0225	—

Summary Statistics: Trace Metals Data

Zinc, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.2	8.3	1.59	2.29	3.05	4.53	6.76	—
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	26	96%	1	10	1.00	1.60	2.00	2.00	3.68	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	13	48%	1	2.3	<RL	<RL	<RL	1.30	2.00	—
SACSL	Sacramento Slough	2/12/96	4/22/98	24	7	29%	1	1.4	<RL	<RL	<RL	1.00	1.17	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	26	10	38%	1	6.1	<RL	<RL	<RL	1.88	2.75	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	8	30%	1	7	<RL	<RL	<RL	1.00	1.88	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	26	6	23%	1.2	2.1	<RL	<RL	<RL	<RL	1.55	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	8	31%	1	4	<RL	<RL	<RL	1.08	1.90	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	37	45%	0.23	23	<RL	0.26	0.57	1.23	2.47	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	28	28	100%	2.7	19	3.47	4.80	8.00	11.00	12.30	—
ARJST	American River at J Street	3/18/96	4/16/98	26	13	50%	1	11	<RL	<RL	1.00	1.65	2.70	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	80	31	39%	0.11	7.4	0.11	0.20	0.39	0.75	1.37	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	108	57	53%	0.29	27	0.13	0.26	0.57	1.23	2.47	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	76	37	49%	0.12	18	0.20	0.38	0.75	1.49	2.77	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	6	6	100%	0.284	3.04	0.40	0.57	0.71	0.82	1.95	—

Zinc, total

Units = ug/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	1/20/98	4/21/99	24	24	100%	0.51	13.5	2.12	2.97	4.39	8.95	10.13	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	83	76	92%	1.18	31	2.53	3.73	5.80	8.52	11.24	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	81	48	59%	0.18	230	<RL	<RL	1.24	3.45	6.60	—
SRFPT	Sacramento River at Freeport	1/4/94	12/17/98	81	68	84%	0.93	29	<RL	2.14	4.89	7.80	12.00	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	74	64	86%	1.36	52	<RL	3.06	5.97	9.74	15.49	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	7	7	100%	3.93	13.1	4.24	4.47	6.82	9.47	11.04	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Drinking Water Parameters

Organic Carbon, dissolved

Units = mg/L

Organic Carbon, dissolved		monitoring period					Units = mg/L								
Site ID	Site Description	start	end	n	n det	% det	min det	max det	percentile statistics					min RL	
									10th	25th	median (50th)	75th	90th		
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	26	100%	0.9	3.2	1.2	1.3	1.45	1.6	1.95	—	
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	1.1	6.4	1.16	1.25	1.4	1.55	2.68	—	
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	1.4	6.3	1.73	2.775	3.35	4.05	5.31	—	
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	29	100%	2.5	9.1	3.68	4.5	5.1	6.5	7.96	—	
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	0.7	2.4	0.8	0.8	0.9	1.25	1.74	—	
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	25	25	100%	1.2	3.2	1.2	1.3	1.5	1.7	2.66	—	
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	1.3	3.6	1.3	1.4	1.6	2	2.84	—	
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	1.1	6.4	1.2	1.3	1.5	1.6	1.9	—	
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	29	29	100%	0.3	3.7	1.3	1.4	1.6	1.8	2.4	—	

Organic Carbon, total

Units = mg/L

		monitoring period							percentile statistics							
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th	min RL		
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	26	100%	1.3	3.4	1.4	1.5	1.7	2.125	2.4	—		
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	25	25	100%	1.1	6.8	1.5	1.5	1.9	2.2	4.24	—		
SACSL	Sacramento Slough	2/12/96	4/22/98	23	23	100%	1.8	12.4	2.34	3.7	4.8	5.8	6.26	—		
COLDR	Colusa Basin Drain	2/7/96	4/15/98	28	28	100%	3.9	10.6	4.77	5.75	6.65	7.9	8.93	—		
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	0.8	3.2	0.96	1	1.2	1.7	2.1	—		
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	24	24	100%	1.4	3.6	1.5	1.6	1.85	2.225	2.89	—		
SRVON	Sacramento River at Verona	2/22/96	4/22/98	24	24	100%	1.5	4.4	1.63	1.8	2.15	2.55	3.33	—		
ARJST	American River at J Street	2/21/96	4/16/98	26	26	100%	1.2	8.1	1.35	1.525	1.75	2.075	2.5	—		
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	29	29	100%	0.8	4.4	1.6	1.7	2	2.6	3.34	—		

Total Dissolved Solids

Units = mg/L

Total Dissolved Solids		monitoring period			units = mg/L										
Site ID	Site Description	start	end	n	n det	% det	min det	max det	percentile statistics						min RL
									10th	25th	median (50th)	75th	90th		
PRSHA	Pit River above Shasta	7/22/98	5/19/99	5	5	100%	89	110	90	90	92	96	104	—	
MRSMA	McCloud River above Shasta	7/22/98	3/17/99	5	5	100%	58	83	59	64	72	75	80	—	
SRSHA	Sacramento River above Shasta	7/22/98	5/19/99	5	5	100%	60	91	61	62	65	69	80	—	
SCKPP	Spring Ck PP Discharge to Keswick Res	6/24/98	4/21/99	5	5	100%	43	59	46	48	51	54	57	—	
SRBKR	Sacramento River below Keswick	1/20/98	5/19/99	23	23	100%	52	94	61	70	75	80	98	—	
SRABB	Sacramento River above Bend Bridge	7/22/98	5/19/99	11	11	100%	60	94	59	71	81	86	93	—	
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	39	39	100%	17	114	51	87	94	101	107	—	
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	84	276	97	148	187	213	245	—	
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	140	479	303	317	352	404	447	—	
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	36	75	44	48	52	57	66	—	
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	38	38	100%	46	137	51	55	61	67	74	—	
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	53	126	73	83	90	101	105	—	
SRVET	Sacramento River at Veterans Bridge	6/24/98	5/18/99	12	12	100%	87	135	88	92	95	110	118	—	
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	24	52	33	35	40	45	48	—	
SRFPT	Sacramento River at Freeport	2/20/96	5/19/99	43	43	100%	37	111	69	78	84	96	104	—	
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	12	12	100%	63	107	76	83	88	100	104	—	
CCHSL	Cache Slough near Rivers Ferry	6/25/98	4/20/99	6	6	100%	122	198	123	129	152	163	181	—	

Summary Statistics: Drinking Water Parameters

Turbidity

Units = NTU

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	6	6	100%	2.3	23.9	2.3	2.5	3.5	11.4	18.9	—
MRSNA	McCloud River above Shasta	7/22/98	5/19/99	6	6	100%	0.8	6.3	1.1	1.3	2.3	4.6	5.7	—
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	6	6	100%	0.8	4.8	0.9	1.0	1.4	3.5	4.5	—
SCKPP	Spring Ck PP Discharge to Keswick Re	6/24/98	4/21/99	6	6	100%	0.6	1.9	0.8	1.1	1.6	1.8	1.9	—
SRBKR	Sacramento River below Keswick	1/20/98	5/19/99	28	28	100%	2.0	36.1	2.5	3.0	3.5	4.2	8.2	—
SRABB	Sacramento River above Bend Bridge	6/24/98	5/19/99	12	12	100%	2.4	48.2	2.8	3.0	4.7	9.9	25.6	—
SRCOL	Sacramento River at Colusa	6/24/98	5/19/99	12	12	100%	9.0	63.0	11.0	15.0	21.9	29.8	34.9	—
FRNIC	Feather River near Nicolaus	6/23/98	5/18/99	12	12	100%	1.1	11.8	3.1	4.7	5.8	7.1	8.4	—
SRVET	Sacramento River at Veterans Bridge	6/24/98	5/18/99	12	12	100%	3.8	44.6	17.0	21.4	24.6	26.1	27.6	—
SRFPT	Sacramento River at Freeport	6/23/98	5/19/99	12	12	100%	7.1	45.2	9.0	18.2	21.4	26.8	44.3	—
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	12	12	100%	7.5	53.4	9.6	18.2	22.6	30.9	40.6	—
CCHSL	Cache Slough near Ryers Ferry	6/25/98	4/20/99	6	6	100%	7.6	72.8	15.0	23.8	30.1	35.0	54.5	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Nutrients Data

Nitrate as NO₃⁻

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	26	100%	0.07	0.23	0.079	0.094	0.1	0.1275	0.192	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	28	100%	0.04	0.312	0.079	0.106	0.145	0.19	0.29	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	22	88%	0.05	0.34	<RL	0.078	0.113	0.161	0.216	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	29	100%	0.05	1.44	0.129	0.181	0.38	0.63	0.906	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	26	17	65%	0.05	0.67	<RL	<RL	0.055	0.0925	0.112	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	25	93%	0.04	1.63	0.051	0.06	0.077	0.1	0.217	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	0.023	0.26	0.07	0.093	0.12	0.1545	0.212	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	36	36	100%	0.123	2.27	0.332	0.396	0.569	0.9515	1.507	—
ARJST	American River at J Street	2/21/96	4/16/98	27	14	52%	0.05	0.18	<RL	<RL	0.05	0.1085	0.126	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	0.058	0.246	0.075	0.095	0.12	0.156	0.2	—
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	11	11	100%	0.37	1.3	0.37	0.395	0.484	1	1	—

Nitrite as NO₂⁻

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	5	19%	0.01	0.02	<RL	<RL	<RL	<RL	0.015	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	7	25%	0.01	0.029	<RL	<RL	<RL	0.01	0.015	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	13	52%	0.01	0.02	<RL	<RL	0.01	0.013	0.02	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	27	93%	0.01	0.06	0.01	0.015	0.027	0.03	0.046	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	8	30%	0.01	0.192	<RL	<RL	<RL	0.01	0.017	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	9	33%	0.01	0.032	<RL	<RL	<RL	0.01	0.02	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	10	37%	0.01	0.035	<RL	<RL	<RL	0.01	0.018	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	36	34	94%	0.01	0.09	0.01	0.02	0.03	0.045	0.062	—
ARJST	American River at J Street	2/21/96	4/16/98	27	8	30%	0.01	0.02	<RL	<RL	<RL	0.01	0.01	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	9	29%	0.01	0.03	<RL	<RL	<RL	0.01	0.011	—
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	11	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	0.1

Ammonia as N

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	4	15%	0.02	0.09	<RL	<RL	<RL	<RL	0.02	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	9	32%	0.02	0.03	<RL	<RL	<RL	0.02	0.023	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	12	48%	0.02	0.13	<RL	<RL	<RL	0.04	0.056	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	23	79%	0.02	0.159	<RL	0.02	0.035	0.06	0.088	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	9	33%	0.015	0.068	<RL	<RL	<RL	0.02	0.025	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	12	44%	0.018	0.058	<RL	<RL	<RL	0.029	0.036	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	9	33%	0.015	0.05	<RL	<RL	<RL	0.0215	0.036	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	36	31	86%	0.02	0.841	<RL	0.032	0.0535	0.1015	0.278	—
ARJST	American River at J Street	2/21/96	4/16/98	27	8	30%	0.017	0.07	<RL	<RL	<RL	0.02	0.029	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	10	32%	0.02	0.035	<RL	<RL	<RL	0.0205	0.03	—
SRRMF	Sacramento River at River Mile 44	6/23/98	4/21/99	22	10	45%	0.099	0.231	<RL	<RL	<RL	0.144	0.189	—

Nitrogen, total Kjeldahl

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	7	3	43%	0.21	0.48	<RL	<RL	<RL	0.31	0.438	—

Summary Statistics: Nutrients Data

Orthophosphate as P, dissolved

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	22	85%	0.014	0.031	<RL	0.02	0.02	0.021	0.028	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	26	93%	0.01	0.04	0.012	0.02	0.02	0.0293	0.031	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	24	96%	0.026	0.13	0.026	0.04	0.087	0.096	0.11	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	29	100%	0.017	0.193	0.055	0.08	0.098	0.11	0.16	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	5	19%	0.01	0.02	<RL	<RL	<RL	<RL	0.013	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	16	59%	0.01	0.029	<RL	<RL	0.01	0.0125	0.018	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	25	93%	0.017	0.042	0.017	0.02	0.02	0.0275	0.032	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	36	35	97%	0.05	0.278	0.069	0.08	0.1285	0.191	0.238	—
ARJST	American River at J Street	2/21/96	4/16/98	27	6	22%	0.01	0.02	<RL	<RL	<RL	<RL	0.015	—
SREPT	Sacramento River at Freeport	2/20/96	4/7/98	31	28	90%	0.01	0.038	0.01	0.016	0.02	0.024	0.03	—
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	12	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	0.5

Phosphorus, total

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	26	25	96%	0.01	0.23	0.013	0.022	0.0355	0.0478	0.099	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	28	100%	0.01	0.294	0.02	0.032	0.0415	0.0985	0.161	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	0.03	0.27	0.076	0.121	0.154	0.19	0.206	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	29	29	100%	0.11	0.36	0.129	0.18	0.23	0.27	0.304	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	14	52%	0.01	0.11	<RL	<RL	0.015	0.02	0.031	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	23	85%	0.01	0.07	<RL	0.017	0.02	0.031	0.051	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	0.01	0.17	0.029	0.04	0.05	0.075	0.092	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	36	36	100%	0.11	1.16	0.135	0.168	0.236	0.3058	0.417	—
ARJST	American River at J Street	2/21/96	4/16/98	27	14	52%	0.01	0.09	<RL	<RL	0.01	0.02	0.044	—
SREPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	0.015	0.21	0.02	0.027	0.04	0.06	0.08	—
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	12	10	83%	0.04	1.09	<RL	0.043	0.062	0.0958	0.12	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

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Summary Statistics: Pathogens Data

Cryptosporidium

Units = oocysts/100 L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	6/24/98	5/19/99	12	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	2.9
SRCOL	Sacramento River at Colusa	6/24/98	5/19/99	12	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	2.5
FRNIC	Feather River near Nicolaus	6/23/98	5/18/99	12	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	3
SRVET	Sacramento River at Veterans Bridge	6/24/98	5/18/99	11	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	8
SRFPT	Sacramento River at Freeport	6/23/98	4/21/99	7	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	9.1
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	6	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	6.5

Giardia

Units = cysts/100 L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	6/24/98	5/19/99	12	6	50%	5.1	19.6	—	—	—	—	—	—
SRCOL	Sacramento River at Colusa	6/24/98	5/19/99	12	2	17%	8.3	28.8	—	—	—	—	—	—
FRNIC	Feather River near Nicolaus	6/23/98	5/18/99	12	5	42%	9.2	42	—	—	—	—	—	—
SRVET	Sacramento River at Veterans Bridge	6/24/98	5/18/99	11	5	45%	10.2	47.6	—	—	—	—	—	—
SRFPT	Sacramento River at Freeport	6/23/98	4/21/99	7	6	86%	9.3	30.6	—	—	—	—	—	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	6	0	0%	—	—	—	—	—	—	—	6.5

Coliform, total

Units = MPN/100 mL

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	7/22/98	5/19/99	11	11	100%	2	42	6	10	16	25.5	27	—
SRABB	Sacramento River above Bend Bridge	6/24/98	5/19/99	12	12	100%	13	1600	17.6	43.25	175	300	1470	—
SRCOL	Sacramento River at Colusa	6/24/98	5/19/99	12	12	100%	30	1600	30	45	130	285	480	—
FRNIC	Feather River near Nicolaus	6/23/98	5/18/99	12	12	100%	3	1600	3.6	28.25	57	500	860	—
SRVET	Sacramento River at Veterans Bridge	10/29/96	12/16/98	25	25	100%	50	5000	100	170	800	1300	1660	—
ARDPK	American River at Discovery Park	10/29/96	12/16/98	25	25	100%	50	16000	80	220	240	800	1600	—
SRFPT	Sacramento River at Freeport	10/29/96	12/17/98	26	26	100%	13	3000	80	140	500	1250	1600	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	6	6	100%	30	1600	30	35	60	392.5	1050	—

Coliform, fecal

Units = MPN/100 mL

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRBKR	Sacramento River below Keswick	7/22/98	5/19/99	11	2	18%	2	7	<RL	<RL	<RL	<RL	2	—
SRABB	Sacramento River above Bend Bridge	6/24/98	5/19/99	12	11	92%	11	240	11.2	16	24.5	50	122	—
SRCOL	Sacramento River at Colusa	6/24/98	5/19/99	12	12	100%	8	500	8	10.25	19.5	57.5	278	—
FRNIC	Feather River near Nicolaus	6/23/98	5/18/99	12	12	100%	2	170	2.1	3.75	9.5	21.5	23	—
SRVET	Sacramento River at Veterans Bridge	10/29/96	12/16/98	25	25	100%	2	2400	13	22	40	130	226	—
ARDPK	American River at Discovery Park	10/29/96	12/16/98	25	25	100%	12	3000	23	30	50	110	196	—
SRFPT	Sacramento River at Freeport	10/29/96	12/17/98	25	25	100%	4	300	4.8	13	30	90	206	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	6	6	100%	8	1600	8	8	10.5	20.5	811.5	—

Summary Statistics Table Notes:

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n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Minerals Data

Calcium, dissolved

Units = mg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics				
		start	end						median				
									10th	25th	(50th)	75th	90th
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	8.9	12.0	9.0	9.4	11.0	11.0	11.0
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	9.1	15.0	9.8	10.0	12.0	13.0	14.0
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	12.0	33.0	12.3	19.3	24.0	26.0	26.0
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	17.0	47.9	26.0	31.0	34.0	35.0	37.0
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	4.3	11.0	6.2	7.1	7.8	9.0	9.7
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	5.0	11.0	7.2	7.7	8.1	8.7	9.2
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	5.4	15.0	9.4	10.0	12.0	12.0	13.5
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	6.4	34.0	11.8	18.0	22.0	23.8	26.6
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	7.0	7.8	7.2	7.4	7.5	7.7	7.7
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	4.8	13.0	8.7	9.3	10.0	11.5	13.0

Calcium, total

Units = mg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics				
		start	end						median				
									10th	25th	(50th)	75th	90th
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	11.4	19.3	11.55	11.73	12.4	14.725	17.3

Chloride

Units = mg/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics				
		start	end						median				
									10th	25th	(50th)	75th	90th
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	1.7	4.8	1.7	1.8	2.1	2.6	3.9
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	28	100%	1.9	4.7	2.1	2.5	3.0	4.0	4.3
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	2.1	35.0	3.6	7.3	9.4	14.0	26.6
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	6.5	41.0	19.0	24.0	28.0	32.5	37.0
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	0.7	1.9	0.8	0.9	1.0	1.3	1.6
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	1.0	4.8	1.2	1.4	1.7	2.2	3.3
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	1.4	19.0	2.5	3.2	4.2	5.1	6.4
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	3.6	44.0	5.9	15.0	25.5	29.0	34.2
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	0.5	1.0	0.6	0.6	0.7	0.7	0.8
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	1.1	6.5	2.4	3.0	3.8	5.4	6.0
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	7.7	15.6	7.9	7.9	8.8	12.0	14.3

Iron, dissolved

Units = ug/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics				
		start	end						median				
									10th	25th	(50th)	75th	90th
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	24	39%	3.0	65.0	<RL	7.1	11.0	15.5	24.4
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	25	93%	3.6	46.0	5.8	7.4	11.0	15.0	21.6
SACSL	Sacramento Slough	2/12/96	4/22/98	24	19	75%	3.9	49.0	<RL	6.7	11.5	22.5	31.1
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	26	84%	3.0	74.0	<RL	4.0	11.0	20.0	35.0
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	25	93%	4.3	86.0	3.6	8.0	13.0	18.5	27.6
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	6.6	34.0	10.4	13.0	17.0	22.0	41.6
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	25	96%	4.7	110.0	8.8	8.4	12.5	17.3	38.5
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	27.0	360.0	54.0	70.0	81.0	110.0	159.0
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	3.0	48.0	4.5	6.5	8.0	13.0	25.0
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	30	97%	3.5	37.0	6.9	9.7	12.0	17.5	24.0

Iron, total

Units = ug/L

Site ID	Site Description	monitoring period		n n det % det			min det	max det	percentile statistics				
		start	end						median				
									10th	25th	(50th)	75th	90th
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	360	3920	553.5	777.3	1139	2287.5	3250

Summary Statistics: Minerals Data

Magnesium, dissolved

Units = mg/L

		monitoring period					percentile statistics								
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th	min RL	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	3.9	6.0	4.7	4.8	5.0	5.3	5.4	—	
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	3.9	7.1	5.0	5.1	5.5	6.5	6.9	—	
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	5.4	22.0	6.2	12.3	16.0	18.0	19.0	—	
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	9.1	31.0	18.0	20.5	24.0	25.5	27.0	—	
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	1.6	4.5	2.2	2.5	2.6	3.2	3.7	—	
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	2.3	5.5	3.0	3.2	3.3	3.8	4.1	—	
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	2.5	8.0	4.5	5.0	5.9	6.5	6.9	—	
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	1.7	10.0	3.0	5.0	6.7	8.8	9.2	—	
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	4.0	6.4	4.5	4.9	5.1	5.5	6.0	—	
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	1.7	7.4	4.1	4.7	5.3	5.9	6.5	—	

Magnesium, total

Units = mg/L

		monitoring period					percentile statistics								min RL
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th		
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	7.3	16.5	7.3	7.51	8.225	10.628	13.95	—	

Manganese, dissolved

Units = µg/L

		monitoring period						percentile statistics						
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th	min RL
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	2.0	6.4	2.0	2.1	3.0	4.0	5.6	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	1.8	18.0	2.7	3.3	4.0	9.3	11.8	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	3.7	72.0	5.5	9.4	18.0	28.0	33.6	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	27	27	100%	1.2	71.0	2.0	4.5	15.0	29.0	44.6	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	1.5	48.0	3.0	4.4	6.6	15.0	27.2	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	26	96%	1.0	14.0	1.2	2.0	4.0	6.4	10.4	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	1.0	24.0	1.8	3.1	5.0	7.1	10.4	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	7.0	106.0	10.5	14.0	25.5	43.0	65.9	—
ARJST	American River at J Street	3/18/96	4/16/98	26	26	100%	1.5	11.0	1.9	2.0	3.0	3.9	6.3	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	27	24	89%	1.1	10.0	<RL	2.0	2.6	3.6	4.4	—

Manganese, total

Units = µg/L

		monitoring period						percentile statistics						
Site ID	Site Description	start	end	n	n det	% det	min det	max det	median					min RL
									10th	25th	(50th)	75th	90th	
CCHSL	Cache Slough near Rivers Ferry	6/25/98	4/20/99	6	6	100%	21.4	64.7	23.2	25.7	35.2	52.125	60	—

Potassium, dissolved

Units = mg/L

		monitoring period			percentile statistics										min
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th	RL	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	0.77	1.4	0.9	0.99	1.1	1.2	1.3	—	
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	0.95	1.5	1	1.1	1.1	1.25	1.4	—	
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	0.96	4.2	1.13	1.3	1.5	2.15	3.2	—	
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	1.2	5.8	1.8	2.1	2.4	3.15	4.3	—	
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	0.4	0.77	0.4	0.48	0.51	0.555	0.622	—	
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	0.6	1.6	0.68	0.8	0.9	0.985	1.24	—	
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	0.8	2	0.9	1	1.1	1.275	1.45	—	
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	2	5.5	2.71	3.225	4.05	4.4	5	—	
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	1.4	2.6	1.8	1.9	2	2.2	2.34	—	
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	0.8	1.9	0.9	1	1	1.2	1.4	—	

Potassium, total

Units = mg/L

		monitoring period				min		percentile statistics					
Site ID	Site Description	start	end	n	n det	% det	min det	max det	10th	25th	median	75th	90th
											(50th)		
CCHSL	Cache Slough near Rivers Ferry	6/25/98	4/20/99	6	6	100%	0.97	1.8	1.075	1.183	1.31	1.5875	1.72

Summary Statistics: Minerals Data

Silica as SiO₂, dissolved

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	18	24	18.6	20	20	21	23	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	15	24	19	19	20	21	21	—
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	18	30	18.9	22	25	26.25	27.7	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	10	29	13	15	18	22.5	25	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	10	14	11	11.5	12	13	13	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	11	14	12	12.5	13	13	13.4	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	11	22	15.5	16.25	18	18	20	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	6.5	45	10.8	17	24.5	38	40	—
ARJST	American River at J Street	2/21/96	4/16/98	27	0	0%	0	0	<RL	<RL	<RL	<RL	<RL	0.1
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	9.2	20	15	16	16	17	18	—

Sodium, dissolved

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	4.6	7.9	4.96	5.1	5.7	6.1	7.2	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	27	27	100%	4	8.7	5.42	5.75	6.2	7.2	8.1	—
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	5.2	30	7.26	13	16	18.25	25.4	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	18	84	49	51	59	69.5	75	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	1.5	3	1.86	2	2.1	2.4	2.84	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	2.1	4.8	2.86	3	3.2	3.65	4.14	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	2.6	12	4.75	5.825	6.95	7.975	9	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	3.4	29	5.97	13.25	18	21	25.3	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	1.3	3	1.4	1.4	1.6	2.05	2.34	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	1.8	11	4.7	5.5	6.5	7.15	8.6	—

Sodium, total

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	9.81	21.2	10.16	10.53	11.6	16.2	19.3	—

Sulfate

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
SRABB	Sacramento River above Bend Bridge	2/13/96	4/9/98	27	27	100%	2.8	7.4	3.1	3.2	4.0	5.4	6.7	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	28	100%	3.3	8.4	3.8	4.2	4.9	6.2	7.4	—
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	5.3	15.0	6.0	6.8	8.0	9.1	10.7	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	19.0	110.0	41.0	54.5	66.0	82.5	93.0	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	1.5	10.0	2.5	3.0	3.4	4.8	6.8	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	1.9	6.4	2.2	2.4	2.8	3.4	5.0	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	2.4	11.0	3.6	4.2	5.3	6.3	8.4	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	38	38	100%	3.6	24.0	6.3	8.5	10.5	13.0	16.0	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	0.9	2.3	1.3	1.3	1.4	1.7	1.9	—
SRFPT	Sacramento River at Freeport	2/20/96	4/7/98	31	31	100%	1.7	9.5	3.1	4.0	5.0	6.3	7.6	—
CCHSL	Cache Slough near Rvers Ferry	6/25/98	4/20/99	6	6	100%	8.5	23.3	9.1	9.9	11.5	17.3	21.1	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Other Conventional Water Chemistry Parameters

Alkalinity, total

Units = mg/L

Site ID		Site Description		monitoring period			percentile statistics								min RL	
				start	end	n	n det	% det	min det	max det	10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	6	6	100%	60	72	60	61	63	64	68	—		
MRSNA	McCloud River above Shasta	7/22/98	5/19/99	6	6	100%	38	64	45	52	53	59	62	—		
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	6	6	100%	44	64	45	47	52	59	62	—		
SCKPP	Spring Ck PP Discharge to Keswick Re	6/24/98	4/21/99	6	6	100%	34	46	36	38	40	42	44	—		
SRBKR	Sacramento River below Keswick	6/24/98	5/19/99	12	12	100%	44	230	46	48	52	58	60	—		
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	39	39	100%	35	60	45	47	50	53	56	—		
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	40	40	100%	37	72	48	52	57	60	64	—		
SACSL	Sacramento Slough	2/12/96	5/18/99	38	38	100%	50	206	62	84	130	140	160	—		
COLDR	Colusa Basin Drain	2/7/96	5/19/99	43	43	100%	60	480	132	159	180	210	244	—		
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	16	36	23	27	30	32	33	—		
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	22	48	32	33	35	39	42	—		
SRVON	Sacramento River at Verona	3/19/96	4/22/98	26	26	100%	24	73	45	50	55	58	63	—		
SRVET	Sacramento River at Veterans Bridge	6/24/98	5/18/99	12	12	100%	34	84	47	57	65	67	77	—		
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	5/19/99	52	52	100%	19	110	42	53	67	84	94	—		
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	16	27	17	18	20	22	22	—		
ARDPK	American River at Discovery Park	6/23/98	5/18/99	12	12	100%	18	74	20	23	24	30	30	—		
SREFPT	Sacramento River at Freeport	2/20/96	5/18/99	42	42	100%	21	80	42	47	53	56	61	—		
SRRMF	Sacramento River at River Mile 44	6/23/98	5/19/99	11	11	100%	36	61	37	46	53	55	56	—		
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	12	12	100%	40	128	60	62	67	75	98	—		

Total Suspended Solids

Units = mg/L

Total Suspended Solids		monitoring period						Units = mg/L						
Site ID	Site Description	start	end	n	n det	% det	min det	max det	percentile statistics					min RL
									10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	6	2	33%	6	12	<RL	<RL	<RL	6	9	—
MRSNA	McCloud River above Shasta	7/22/98	5/19/99	6	1	17%	10	10	<RL	<RL	<RL	<RL	8	—
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	6	0	0%	—	—	<RL	<RL	<RL	<RL	<RL	5
SCKPP	Spring Ck PP Discharge to Keswick Re	6/24/98	4/21/99	6	1	17%	5	5	<RL	<RL	<RL	<RL	5	—
SRBKR	Sacramento River below Keswick	4/21/98	5/19/99	24	12	50%	0	7	<RL	<RL	5	5	5	—
SRABB	Sacramento River above Bend Bridge	3/8/96	4/9/98	26	26	100%	3	355	5	9	16	38	59	—
SRCOL	Sacramento River at Colusa	2/28/96	4/8/98	28	28	100%	23	579	29	35	47	145	185	—
SACSL	Sacramento Slough	2/12/96	3/25/98	23	23	100%	30	162	43	55	68	88	129	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	30	30	100%	60	373	74	103	133	156	204	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	26	26	100%	1	153	2	4	12	36	93	—
FRNIC	Feather River near Nicolaus	2/23/96	4/20/98	27	27	100%	8	123	11	16	18	53	82	—
SRVON	Sacramento River at Verona	2/22/96	3/25/98	25	25	100%	24	117	28	38	49	77	107	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	12/16/98	82	82	100%	4	200	15	21	33	49	66	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	4/23/98	37	37	100%	5	656	13	20	26	69	170	—
ARJST	American River at J Street	2/21/96	4/16/98	26	26	100%	2	116	3	3	5	11	33	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	80	53	66%	1	41	<RL	<RL	3	3	14	—
SREFPT	Sacramento River at Freeport	1/4/94	12/17/98	113	112	99%	2	368	11	15	26	46	90	—
SRRMF	Sacramento River at River Mile 44	1/18/94	12/17/98	75	74	99%	2	230	7	14	26	47	73	—
CCHSL	Cache Slough near Rivers Ferry	6/25/98	4/20/99	6	6	100%	9	40	11	13	18	29	36	—

Summary Statistics: Other Conventional Water Chemistry Parameters

Hardness

Units = mg/L

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	6	6	100%	44	68	44	45	50	55	62	—
MRSNA	McCloud River above Shasta	7/22/98	5/19/99	6	6	100%	48	94	48	48	52	59	77	—
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	6	6	100%	32	76	36	40	44	48	62	—
SCKPP	Spring Ck PP Discharge to Keswick Re:	6/24/98	4/21/99	6	6	100%	28	36	30	33	36	36	36	—
SRBKR	Sacramento River below Keswick	2/18/98	5/19/99	27	27	100%	36	82	40	40	42	47.5	52	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	39	39	100%	32	64	42	44	48	49	52	—
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	39	39	100%	36	104	44.8	48	52	57	64	—
SACSL	Sacramento Slough	2/12/96	5/18/99	38	38	100%	52	232	58.8	86	120	138	150.6	—
COLDR	Colusa Basin Drain	2/7/96	5/19/99	43	43	100%	48	372	140	162	180	200	218.4	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	18	45	24.2	28	30	36	39.8	—
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	22	84	31.8	32.5	35	39	43.2	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	26	26	100%	24	69	42.5	45.25	53.5	58	60.5	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	5/18/99	76	76	100%	28	90	45	49.75	58	68	75	—
ARCNW	Arcade Ck at Norwood Ave.	2/6/96	5/19/99	50	50	100%	23	130	45	64.5	83.5	95	104.6	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	16	28	17	18	20	22	23.8	—
ARDPK	American River at Discovery Park	1/18/94	5/18/99	74	74	100%	14	56	16	20	24	30	34.7	—
SRFPT	Sacramento River at Freeport	1/4/94	5/18/99	106	106	100%	19	94	39.5	44	50	59.75	72.5	—
SRRMF	Sacramento River at River Mile 44	2/1/94	12/17/98	56	56	100%	24	94	41.5	45.75	52.5	70	78	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	11	11	100%	58.5	116	59.2	61.8	72	82.5	104	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.

Summary Statistics: Field Data

Dissolved Oxygen

Units = mg/L

Site ID	Site Description	monitoring period					min det	max det	percentile statistics					min RL
		start	end	n	n det	% det			10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	5	5	100%	9.9	11.6	10.1	10.5	11.5	11.6	11.6	—
MRSOA	McCloud River above Shasta	7/22/98	5/18/99	5	5	100%	8.3	11.4	8.4	8.5	10.1	11.3	11.4	—
SRSOA	Sacramento River above Shasta	7/22/98	5/19/99	5	5	100%	9.8	11.6	9.8	9.9	11.2	11.4	11.5	—
SCKPP	Spring Ck PP Discharge to Keswick Res	6/24/98	4/21/99	6	6	100%	9.6	11.7	9.8	10.1	10.5	10.8	11.3	—
SRBKR	Sacramento River below Keswick	6/24/98	5/18/99	11	11	100%	9.5	12.9	10.0	10.2	10.8	11.1	11.3	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	39	39	100%	8.2	12.2	9.7	10.4	10.8	11.3	11.6	—
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	40	40	100%	8.9	11.9	9.4	9.6	10.1	10.5	11.2	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	5.1	11.2	6.2	7.0	7.6	9.5	10.1	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	30	30	100%	5.0	12.5	5.7	6.1	8.2	9.2	9.9	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	8.0	15.9	10.0	10.4	11.6	12.1	12.6	—
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	8.7	15.7	9.0	9.3	10.4	11.0	11.7	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	7.3	12.8	8.5	9.0	9.6	10.6	10.9	—
SRVET	Sacramento River at Veterans Bridge	1/18/94	5/18/99	83	83	100%	8.1	12.4	8.6	9.0	10.0	10.6	11.4	—
ARJST	American River at J Street	2/21/96	4/16/98	26	26	100%	8.2	12.8	8.8	9.2	10.6	11.2	12.1	—
SRFPT	Sacramento River at Freeport	2/20/96	5/19/99	39	39	100%	6.5	12.2	8.5	8.9	9.8	10.5	11.0	—
SRRMF	Sacramento River at River Mile 44	1/18/94	5/19/99	80	80	100%	7.6	12.2	8.2	8.6	9.6	10.6	11.1	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	11	11	100%	7.6	11.0	8.4	9.0	9.5	10.7	10.9	—

Temperature

Units = °C

Site ID	Site Description	monitoring period					min det	max det	percentile statistics					min RL
		start	end	n	n det	% det			10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	5	5	100%	7.3	18.9	7.6	8.1	13.4	16.6	18.0	—
MRSOA	McCloud River above Shasta	7/22/98	5/18/99	5	5	100%	8.3	27.1	8.3	8.4	14.5	18.2	23.5	—
SRSOA	Sacramento River above Shasta	7/22/98	5/19/99	5	5	100%	7.6	17.6	7.8	8.1	9.9	16.6	17.2	—
SCKPP	Spring Ck PP Discharge to Keswick Res	6/24/98	4/21/99	6	6	100%	7.6	12.1	8.1	8.9	10.4	11.6	12.0	—
SRBKR	Sacramento River below Keswick	1/20/98	5/18/99	27	27	100%	8.2	13.9	9.1	9.8	10.8	12.3	12.7	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	39	39	100%	8.6	13.6	9.1	10.4	12.0	12.6	13.2	—
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	40	40	100%	8.6	21.1	10.0	10.8	15.0	18.2	18.7	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	8.3	27.3	10.5	12.7	16.1	23.4	25.8	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	3.7	27.3	9.2	13.1	15.1	22.0	25.9	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	8.1	21.4	8.8	9.3	11.4	14.8	15.6	—
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	8.3	25.3	9.8	10.5	14.1	19.6	20.5	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	8.7	22.5	9.5	11.6	14.3	19.6	20.4	—
SRVET	Sacramento River at Veterans Bridge	1/18/94	5/18/99	88	88	100%	7.6	23.6	9.4	10.8	14.6	19.1	20.9	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	8.4	19.7	9.2	10.3	14.4	17.0	18.9	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	30	30	100%	7.6	24.4	9.1	10.1	13.9	17.3	20.3	—
SRFPT	Sacramento River at Freeport	2/20/96	5/19/99	41	41	100%	8.6	22.3	9.6	11.2	15.5	20.0	21.0	—
SRRMF	Sacramento River at River Mile 44	1/18/94	5/19/99	86	86	100%	7.9	22.9	9.6	11.1	15.4	19.4	21.3	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	11	11	100%	8.4	21.3	8.6	9.2	15.4	18.0	21.1	—

Summary Statistics: Field Data

pH

Units = standard units

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	5	5	100%	7.9	8.5	7.9	7.9	8.0	8.2	8.4	—
MRSNA	McCloud River above Shasta	7/22/98	5/18/99	5	5	100%	7.5	8.0	7.7	8.0	8.0	8.0	8.0	—
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	5	5	100%	7.5	8.1	7.6	7.8	8.0	8.0	8.1	—
SCKPP	Spring Ck PP Discharge to Keswick Re: 6/24/98	4/21/99		6	6	100%	7.3	7.4	7.3	7.3	7.3	7.3	7.4	—
SRBKR	Sacramento River below Keswick	1/20/98	5/18/99	27	27	100%	7.3	8.6	7.3	7.4	7.8	8.1	8.2	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	38	38	100%	7.2	8.1	7.5	7.6	7.7	7.9	7.9	—
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	40	40	100%	7.3	8.1	7.6	7.7	7.8	7.9	8.0	—
SACSL	Sacramento Slough	2/12/96	4/22/98	25	25	100%	7.5	8.7	7.6	7.8	7.9	8.0	8.0	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	7.7	8.6	7.8	7.9	8.0	8.2	8.3	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	7.0	7.8	7.3	7.4	7.6	7.6	7.7	—
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	6.6	8.4	7.3	7.5	7.6	7.7	7.8	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	7.5	8.1	7.6	7.8	7.8	7.9	8.0	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	5/18/99	88	88	100%	6.8	8.9	7.1	7.4	7.6	7.8	8.2	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	7.0	7.7	7.3	7.4	7.5	7.5	7.6	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	77	77	100%	6.4	8.6	6.8	7.0	7.1	7.4	7.7	—
SRFPT	Sacramento River at Freeport	2/20/96	5/19/99	42	42	100%	7.0	8.8	7.4	7.6	7.7	7.9	8.0	—
SRRMF	Sacramento River at River Mile 44	1/18/94	5/19/99	84	84	100%	6.1	8.8	7.0	7.2	7.4	7.6	7.9	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	11	11	100%	6.9	7.9	6.9	7.0	7.5	7.6	7.8	—

Specific Conductance

Units = μ mhos/cm at 25°C

Site ID	Site Description	monitoring period		n	n det	% det	min det	max det	percentile statistics					min RL
		start	end						10th	25th	median (50th)	75th	90th	
PRSHA	Pit River above Shasta	7/22/98	5/19/99	5	5	100%	121	131	122	124	129	130	131	—
MRSNA	McCloud River above Shasta	7/22/98	5/18/99	5	5	100%	77	112	87	101	103	112	112	—
SRSNA	Sacramento River above Shasta	7/22/98	5/19/99	5	5	100%	76	131	81	89	92	99	118	—
SCKPP	Spring Ck PP Discharge to Keswick Re: 6/24/98	4/21/99		6	6	100%	69	80	70	72	76	77	79	—
SRBKR	Sacramento River below Keswick	1/20/98	5/18/99	27	27	100%	74	155	87	95	100	108	132	—
SRABB	Sacramento River above Bend Bridge	2/13/96	5/19/99	39	39	100%	100	165	107	110	118	137	158	—
SRCOL	Sacramento River at Colusa	2/28/96	5/19/99	40	40	100%	95	195	118	122	134	150	161	—
SACSL	Sacramento Slough	2/12/96	4/22/98	24	24	100%	124	476	146	259	310	342	395	—
COLDR	Colusa Basin Drain	2/7/96	4/15/98	31	31	100%	237	765	486	545	595	656	714	—
YRMRY	Yuba River at Marysville	2/27/96	4/6/98	27	27	100%	44	105	59	65	70	83	92	—
FRNIC	Feather River near Nicolaus	2/23/96	5/18/99	39	39	100%	56	133	72	78	82	95	108	—
SRVON	Sacramento River at Verona	2/22/96	4/22/98	27	27	100%	62	186	101	118	135	148	157	—
SRVET	Sacramento River at Veterans Bridge	1/4/94	5/18/99	83	83	100%	62	235	106	124	139	159	186	—
ARJST	American River at J Street	2/21/96	4/16/98	27	27	100%	40	82	45	47	50	57	58	—
ARDPK	American River at Discovery Park	1/4/94	12/16/98	77	77	100%	28	80	39	44	52	61	67	—
SRFPT	Sacramento River at Freeport	2/20/96	5/19/99	42	42	100%	51	205	98	115	125	144	153	—
SRRMF	Sacramento River at River Mile 44	1/18/94	5/19/99	86	86	100%	62	224	90	107	130	155	192	—
CCHSL	Cache Slough near Rvers Ferry	6/23/98	4/20/99	6	6	100%	106	303	115	136	174	216	267	—

Summary Statistics Table Notes:

monitoring period start and end — Dates of first and last reported data.

n — Total number of data reported.

n det — Total number of data above reporting limits.

% det — Percent of data above reporting limits.

min det — Minimum value for data detected above reporting limits.

max det — Maximum value of data detected above reporting limits.

percentiles — Percentile data are provided for data above reporting limits. "<RL" indicates insufficient data to calculate statistic.

min RL — Lowest reporting limit for data below detection. min RL only reported where percent detection (% det) = 0.