Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
Lower Willow synoptic samples										
LW-T0	UFA	18.0	1.60	4.90	0.93	21.3	42.4	0.24	< .01	18.0
LW-T0	FA	16.0	1.10	3.40	.94	21.3	42.4	.24	< .01	17.0
LW-T0	RA	17.0	1.60	4.40	.98	21.3	42.4	.24	< .01	18.0
LW-7586	UFA	19.0	1.60	5.10	.98	24.5	43.1	.29	1.39	19.0
LW-7586	FA	17.0	1.60	5.10	.88	24.5	43.1	.29	1.39	18.0
LW-7586	RA	19.0	1.40	4.50	.70	24.5	43.1	.29	1.39	18.0
W-D	UFA	17.0	1.70	5.20	.97	21.0	42.5	.28	1.05	18.0
W-D	FA	17.0	1.60	4.70	.79	21.0	42.5	.28	1.05	18.0
W-D	RA	16.0	1.40	4.30	1.00	21.0	42.5	.28	1.05	18.0
W-E	UFA	18.0	1.50	5.20	.89	22.7	42.2	.27	1.04	18.0
W-E	FA	16.0	1.60	5.20	.81	22.7	42.2	.27	1.04	18.0
W-E	RA	17.0	1.60	4.90	.92	22.7	42.2	.27	1.04	18.0
LW-8170	UFA	17.0	1.70	5.40	1.10	19.6	46.9	.29	1.06	18.0
LW-8170	FA	16.0	1.10	5.20	1.10	19.6	46.9	.29	1.06	15.0
LW-8170	FA	16.0	1.10	5.20	1.10	19.6	46.9	.29	1.06	15.0
LW-8170	RA	16.0	1.50	5.10	.96	19.6	46.9	.29	1.06	17.0
LW-8220	UFA	17.0	1.60	4.40	1.20	23.2	44.8	.32	1.02	18.0
LW-8220	FA	18.0	1.70	5.10	.85	23.2	44.8	.32	1.02	18.0
LW-8220	RA	17.0	1.70	5.20	.97	23.2	44.8	.32	1.02	19.0
LW-8340	UFA	77.0	33.0	12.0	3.90	< 4	1,920	1.17	< .01	100
LW-8340	FA	79.0	32.0	12.0	3.80	< 4	1,920	1.17	< .01	100
LW-8340	RA	79.0	34.0	12.0	3.80	< 4	1,920	1.17	< .01	100
W-F	UFA	110	44.0	15.0	4.90	< 4	1,920	.47	< .01	120
W-F	FA	110	43.0	13.0	4.70	< 4	1,920	.47	< .01	120
W-F	RA	110	44.0	18.0	4.40	< 4	1,920	.47	< .01	120
W-G	UFA	17.0	1.70	4.80	1.20	20.7	46.0	.32	.99	19.0
W-G	FA	17.0	1.20	4.10	1.00	20.7	46.0	.32	.99	17.0
W-G	RA	17.0	1.70	5.00	.96	20.7	46.0	.32	.99	19.0
W-G-East	UFA	16.0	1.80	4.40	1.10	37.8	48.5	.32	1.01	18.0
W-G-East	FA	17.0	1.60	4.30	.86	37.8	48.5	.32	1.01	18.0
W-G-East	RA	16.0	1.60	5.00	.89	37.8	48.5	.32	1.01	19.0
W-G-West	UFA	23.0	1.80	5.70	1.40	23.0	58.3	.36	.49	20.0
W-G-West	FA	20.0	1.90	5.20	1.10	23.0	58.3	.36	.49	20.0
W-G-West	RA	22.0	1.70	4.30	1.30	23.0	58.3	.36	.49	19.0
LW-9075	UFA	18.0	1.60	5.40	.97	36.9	46.5	.32	.98	18.0
LW-9075	FA	17.0	1.20	3.70	1.00	36.9	46.5	.32	.98	17.0

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Molybdenum	Nickel	Strontium	Zinc
					Lower Willow synoptic samples					
< 0.019	< 0.084	0.013	0.017	< 0.002	< 0.026	0.540	0.029		0.140	2.53
< .019	< .084	.014	.003	.035	.034	0.490	0.022		.110	2.80
.140	< .084	.014	.002	.120	.055	0.540	0.011		.140	2.50
< .019	< .084	.017	.025	< .002	< .026	0.570	0.022		.140	3.20
< .019	< .084	.017	.004	.034	.036	0.520	< .006		.130	3.60
.110	< .084	.022	.004	.130	.060	0.540	< .006		.120	3.90
< .019	< .084	.015	.017	< .002	< .026	0.530	< .006		.140	3.20
< .019	< .084	.016	.005	.032	.032	0.520	0.011		.130	3.20
.170	< .084	.017	.002	.120	.058	0.520	< .006		.130	3.20
< .019	< .084	.016	.019	< .002	< .026	0.530	0.013		.140	3.30
< .019	< .084	.016	.002	.031	< .026	0.500	< .006		.130	3.40
.130	< .084	.017	.010	.120	.054	0.530	0.011		.140	3.20
< .019	< .084	.013	.019	< .002	< .026	0.600	< .006		.140	2.06
.080	< .084	.015	.002	.013	< .026	0.540	0.020		.110	2.06
.080	< .084	.015	.002	.013	< .026	0.540	0.020		.110	2.06
.380	< .084	.015	.008	.068	.033	0.560	< .006		.130	2.03
< .019	< .084	.015	.011	< .002	< .026	0.570	0.025		.130	3.10
.110	< .084	.017	.006	.030	.030	0.560	< .006		.140	2.90
.230	< .084	.018	.012	.100	.055	0.560	< .006		.140	3.30
110	< .084	1.20	2.40	1.90	2.90	92.0	< .006		.330	320
120	< .084	1.30	2.40	1.80	2.90	93.0	< .006		.320	320
120	< .084	1.20	2.30	2.10	3.00	94.0	< .006		.330	310
130	< .084	2.00	2.40	12.0	.500	120	< .006		.400	420
130	< .084	2.10	2.40	13.0	.550	120	0.072		.380	420
130	< .084	2.00	2.40	13.0	.520	120	< .006		.420	410
< .019	< .084	.015	.048	< .002	< .026	0.540	0.028		.140	2.80
.110	< .084	.019	.003	.025	< .026	0.510	0.014		.120	2.70
.400	< .084	.017	.006	.110	.060	0.570	< .006		.140	2.80
< .019	< .084	.016	.020	< .002	< .026	0.700	< .006		.130	3.20
.097	< .084	.021	.009	< .002	< .026	0.750	< .006		.130	3.70
.440	< .084	.020	.012	.120	.045	0.780	0.011		.140	4.30
< .019	< .084	.040	.005	< .002	< .026	0.250	< .006		.160	5.30
< .019	< .084	.038	.003	.014	< .026	0.250	< .006		.160	6.00
< .019	< .084	.041	.002	.016	< .026	0.240	0.011		.150	6.30
< .019	< .084	.016	.021	< .002	< .026	0.520	0.032		.140	2.57
.086	< .084	.017	.003	.020	< .026	0.480	0.020		.120	2.57

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
LW-9075	RA	17.0	1.70	4.90	.91	36.9	46.5	.32	.98	19.0
LW-9335	UFA	20.0	2.00	4.40	1.90					19.0
LW-9335	FA	21.0	1.90	5.10	1.50	35.0	58.4	.40	.29	19.0
LW-9335	RA	20.0	1.30	5.20	2.00	35.0	58.4	.40	.29	18.0
LW-9482	UFA	16.0	1.70	4.40	1.40	32.9	48.3	.30	.85	17.0
LW-9482	UFA	17.0	1.80	4.80	1.30	30.1	48.1	.45	.83	18.0
LW-9482	FA	18.0	1.40	4.40	1.10	30.1	48.1	.45	.83	17.0
LW-9482	FA	17.0	1.10	3.40	1.20	32.9	48.3	.30	.85	16.0
LW-9482	RA	17.0	1.60	4.90	1.10	30.1	48.1	.45	.83	18.0
LW-9482	RA	17.0	1.70	5.10	.92	32.9	48.3	.30	.85	18.0
LW-9500	UFA	18.0	1.90	5.10	1.10	25.9	49.0	.32	.89	18.0
LW-9500	FA	18.0	1.80	4.80	.93	25.9	49.0	.32	.89	18.0
LW-9500	RA	18.0	1.60	5.10	.85	25.9	49.0	.32	.89	17.0
LW-9520	UFA	18.0	1.70	5.20	.96	20.2	48.3	.34	1.02	18.0
LW-9520	FA	17.0	1.60	4.60	.93	20.2	48.3	.34	1.02	18.0
LW-9520	RA	17.0	1.80	4.90	.88	20.2	48.3	.34	1.02	19.0
LW-9540	UFA	16.0	1.80	4.50	1.10	36.7	49.2	.37	.98	18.0
LW-9540	FA	18.0	1.40	4.20	.91	36.7	49.2	.37	.98	17.0
LW-9540	RA	17.0	1.80	5.10	.88	36.7	49.2	.37	.98	18.0
LW-9782	UFA	16.0	1.50	3.90	1.40	21.4	48.3	.34	.84	17.0
LW-9782	FA	17.0	1.70	5.20	.99	21.4	48.3	.34	.84	18.0
LW-9782	RA	17.0	1.70	5.10	.99	21.4	48.3	.34	.84	19.0
LW-10082	UFA	17.0	1.40	4.60	1.20	22.1	48.0	.32	.81	17.0
LW-10082	FA	18.0	1.80	4.80	.94	22.1	48.0	.32	.81	18.0
LW-10082	RA	19.0	1.60	4.70	.85	22.1	48.0	.32	.81	17.0
LW-10090	UFA	18.0	1.90	5.00	1.90	21.9	55.6	.54	< .01	20.0
LW-10090	FA	19.0	2.00	4.90	1.20	21.9	55.6	.54	< .01	20.0
LW-10090	RA	20.0	1.80	5.20	1.20	21.9	55.6	.54	< .01	20.0
W-H	UFA	17.0	1.80	4.70	1.20	20.2	48.3	.31	1.00	18.0
W-H	FA	18.0	1.80	4.90	.86	20.2	48.3	.31	1.00	18.0
W-H	RA	17.0	1.80	4.80	.87	20.2	48.3	.31	1.00	19.0
W-I	UFA	16.0	1.70	4.70	1.40	20.6	47.4	.36	.78	18.0
W-J	UFA	17.0	2.00	4.90	1.10	34.3	49.6	.38	.91	19.0
W-I	FA	18.0	1.60	4.90	1.10	20.6	47.4	.36	.78	18.0
W-J	FA	18.0	1.50	4.50	1.10	34.3	49.6	.38	.91	18.0
W-I	RA	17.0	1.80	5.10	1.00	20.6	47.4	.36	.78	19.0
W-J	RA	17.0	1.80	5.10	.92	34.3	49.6	.38	.91	17.0
RG-A	UFA	10.0	1.60	4.00	1.60	36.1	5.07	.31	< .01	21.0

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manga-nese	Molybde-num	Nickel	Stron-tium	Zinc
.200	< .084	.017	.011	.090	.042	0.520	< .006		.140	2.89
< .019	< .084	.029	.002	< .002	< .026	0.089	0.051		.150	4.30
.087	< .084	.031	.002	.008	< .026	0.088	< .006		.150	4.10
< .019	< .084	.034	< .002	.017	< .026	0.085	0.033		.130	4.300
< .019	< .084	.013	.029	.008	< .026	0.370	< .006		.130	2.318
< .019	< .084	.015	.013	< .002	< .026	0.410	0.054		.140	2.555
.083	< .084	.019	.010	.021	< .026	0.390	< .006		.120	2.475
< .019	< .084	.017	.002	.019	< .026	0.360	0.021		.110	2.516
.240	< .084	.018	.002	.074	.033	0.390	< .006		.130	2.669
.170	< .084	.017	.004	.067	.028	0.390	< .006		.130	2.750
< .019	< .084	.015	.012	< .002	< .026	0.480	0.015		.140	3.700
< .019	< .084	.016	.009	.022	< .026	0.450	< .006		.140	3.400
.160	< .084	.017	.005	.058	.028	0.390	< .006		.140	3.600
< .019	< .084	.020	.011	.009	< .026	0.780	0.030		.140	4.000
.110	< .084	.021	.005	.015	< .026	0.750	< .006		.130	3.900
.440	< .084	.022	.010	.130	.057	0.770	< .006		.140	3.800
< .019	< .084	.016	.007	< .002	< .026	0.640	< .006		.130	3.100
.086	< .084	.020	.003	.014	< .026	0.640	< .006		.130	4.000
.350	< .084	.019	.009	.099	.039	0.660	< .006		.140	4.300
< .019	< .084	.015	.011	< .002	< .026	0.360	0.047		.130	2.400
.099	< .084	.016	.008	.020	< .026	0.360	< .006		.140	2.400
.180	< .084	.017	.006	.070	.027	0.400	< .006		.140	2.400
.110	< .084	.017	.012	< .002	< .026	0.340	< .006		.130	2.134
< .019	< .084	.016	.005	< .002	< .026	0.350	< .006		.140	2.149
.160	< .084	.019	.005	.067	.032	0.350	< .006		.130	2.436
< .019	< .084	.025	.013	< .002	< .026	0.002	0.046		.140	4.200
< .019	< .084	.028	.003	< .002	< .026	< .001	0.032		.140	4.500
< .019	< .084	.028	< .002	.008	< .026	< .001	0.018		.140	4.300
< .019	< .084	.018	.010	< .002	< .026	0.760	< .006		.140	4.400
.200	< .084	.021	.009	.022	< .026	0.770	< .006		.140	4.600
.400	< .084	.021	.012	.110	.039	0.800	< .006		.140	4.100
< .019	< .084	.011	.019	< .002	< .026	0.300	0.012		.130	1.823
< .019	< .084	.012	.019	< .002	< .026	0.510	< .006		.140	2.027
< .019	< .084	.015	.013	.017	< .026	0.330	0.015		.140	1.841
.120	< .084	.016	.006	.019	< .026	0.500	0.012		.130	2.106
.130	< .084	.015	.007	.059	< .026	0.340	< .006		.140	2.042
.250	< .084	.015	.008	.069	.030	0.480	< .006		.140	2.475
< .019	< .084	< .001	.025	< .002	< .026	0.007	< .006		.079	.013

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
RG-A	FA	10.0	1.60	3.40	1.40	36.1	5.07	.31	< .01	21.0
RG-A	RA	11.0	1.50	3.60	1.30	36.1	5.07	.31	< .01	21.0
RG-B	UFA	11.0	1.50	4.00	1.60	34.6	7.93	.34	.04	21.0
RG-B	FA	11.0	1.50	3.20	1.40	34.6	7.93	.34	.04	21.0
RG-B	RA	11.0	1.40	3.60	1.40	34.6	7.93	.34	.04	21.0
W-DH81	UFA	< .005	< .001	.56	< .03	< 4	< .26	< .09	< .01	.03
W-DH81	FA	< .005	< .001	< .003	< .03	< 4	< .26	< .09	< .01	< .007
W-DH81	RA	< .005	< .001	.18	< .03	< 4	< .26	< .09	< .01	< .007
East Willow synoptic samples										
EW-T0	UFA	6.30	.71	3.10	.60	24.7	1.83	.17	.09	19.0
EW-T0	FA	5.90	.60	3.00	.68	24.7	1.83	.17	.09	17.0
EW-T0	RA	6.20	.54	2.30	.57	24.7	1.83	.17	.09	18.0
TRN	UFA	6.50	.55	3.50	.80	21.8	2.18	.26	< .01	24.0
TRN	FA	5.80	.46	3.00	.69	21.8	2.18	.26	< .01	21.0
TRN	RA	6.40	.46	2.50	.77	21.8	2.18	.26	< .01	23.0
TRS	FA	6.50	.49	3.50	.84	25.2	2.22	.22	< .01	24.0
TRS	RA	7.10	.51	2.80	.81	25.2	2.22	.22	< .01	25.0
EW-K	UFA	5.70	.65	2.80	.49	20.9	1.86	.20	1.51	18.0
EW-K	FA	5.80	.59	2.90	.57	20.9	1.86	.20	1.51	18.0
EW-K	RA	6.20	.52	2.60	.58	20.9	1.86	.20	1.51	18.0
EW-J	UFA	5.60	.66	2.70	.48	22.6	2.01	.19	1.48	18.0
EW-J	FA	5.90	.60	3.40	.57	22.6	2.01	.19	1.48	18.0
EW-J	RA	6.30	.55	2.70	.57	22.6	2.01	.19	1.48	18.0
EW-1807	UFA	6.00	.65	3.00	.53	23.5	2.08	.18	1.48	18.0
EW-1807	FA	5.90	.61	31.0	.68	23.5	2.08	.18	1.48	18.0
EW-1807	RA	6.30	.54	2.60	.60	23.5	2.08	.18	1.48	18.0
EW-2175	UFA	6.15	.66	2.90	.59	24.1	2.06	.17	1.48	15.9
EW-2175	FA	5.80	.60	3.10	.53	24.1	2.06	.17	1.48	17.0
EW-2175	RA	6.00	.67	3.10	.54	24.1	2.06	.17	1.48	18.0
EW-I	UFA	6.70	.75	3.60	.63	22.3	2.09	.20	1.46	20.0
EW-I	FA	6.00	.65	3.00	.48	22.3	2.09	.20	1.46	18.0
EW-I	RA	6.50	.54	2.70	.62	22.3	2.09	.20	1.46	18.0
PC	FA	8.00	.77	3.40	.91	26.1	7.27	.21	< .01	19.0
PC	RA	8.50	.89	3.30	.81	26.1	7.27	.21	< .01	21.0
EW-H	UFA	6.00	.69	2.70	.47	34.5	2.13	.20	1.45	18.0
EW-H	FA	6.10	.64	3.30	.67	34.5	2.13	.20	1.45	17.0
EW-H	RA	6.10	.68	3.00	.57	34.5	2.13	.20	1.45	18.0

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manga-nese	Molybde-num	Nickel	Stron-tium	Zinc
< .019	< .084	< .001	.003	.100	< .026	0.002	< .006		.078	.007
.160	< .084	< .001	< .002	.290	< .026	0.023	< .006		.078	.004
< .019	< .084	< .001	.002	< .002	< .026	0.030	0.012		.081	.098
< .019	< .084	< .001	< .002	.110	< .026	0.028	< .006		.076	.150
.170	< .084	.002	< .002	.300	< .026	0.054	< .006		.077	.150
< .019	< .084	< .001	.046	< .002	< .026	< .001	0.021		< .008	.013
< .019	< .084	< .001	.002	< .002	< .026	< .001	< .006		< .008	.010
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006		< .008	.006
East Willow synoptic samples										
< .019	< .084	< .001	.013	< .002	< .026	0.003	< .006	< .003	.032	.006
.080	< .084	< .001	.002	.070	< .026	0.003	< .006	< .003	.029	< .001
.110	< .084	< .001	< .002	.110	< .026	< .001	0.019	< .003	.028	.003
< .019	< .084	< .001	.031	< .002	< .026	< .001	< .006	< .003	.043	.017
.230	< .084	< .001	.003	.079	< .026	< .001	< .006	< .003	.037	< .001
.580	< .084	< .001	< .002	.190	< .026	< .001	0.011	< .003	.036	.005
.170	< .084	< .001	.002	.062	< .026	< .001	< .006	< .003	.040	.008
.580	< .084	< .001	< .002	.180	< .026	< .001	0.022	< .003	.039	.010
< .019	< .084	< .001	.069	.014	< .026	0.004	< .006	< .003	.030	.029
< .019	< .084	< .001	.050	.082	< .026	0.004	< .006	< .003	.029	.026
.094	< .084	< .001	< .002	.110	< .026	< .001	< .006	< .003	.028	< .001
< .019	< .084	< .001	.017	< .002	< .026	0.005	< .006	< .003	.030	.007
< .019	< .084	< .001	< .002	.063	< .026	0.005	< .006	< .003	.029	.002
.094	< .084	< .001	< .002	.110	< .026	< .001	0.021	< .003	.028	.006
< .019	< .084	< .001	.009	< .002	< .026	0.005	< .006	< .003	.032	.011
< .019	< .084	< .001	.008	.068	< .026	0.004	< .006	< .003	.030	.002
.100	< .084	< .001	.004	.098	< .026	< .001	0.025	< .003	.029	.006
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.011	< .001
< .019	< .084	< .001	< .002	.063	< .026	0.004	< .006	< .003	.029	< .001
.120	< .084	< .001	.002	.130	< .026	0.009	< .006	< .003	.032	.011
< .019	< .084	< .001	.029	.010	< .026	0.003	< .006	< .003	.034	.015
< .019	< .084	< .001	.006	.058	< .026	0.004	< .006	< .003	.031	.005
.110	< .084	< .001	.002	.110	< .026	< .001	0.014	< .003	.029	.007
.084	< .084	.003	.006	.023	.092	< .001	< .006	< .003	.042	.660
.086	< .084	.004	< .002	.040	.110	0.002	< .006	< .003	.046	.680
< .019	< .084	< .001	.047	.009	< .026	0.003	< .006	< .003	.031	.025
< .019	< .084	< .001	.003	.060	< .026	0.003	0.015	< .003	.031	.015
.150	< .084	< .001	< .002	.130	< .026	0.009	< .006	< .003	.032	.026

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
SMA	UFA	52.0	17.0	9.70	4.30	< 4	302	.72	< .01	31.0
SMA	FA	51.0	16.0	10.0	4.40	< 4	302	.72	< .01	30.0
SMA	RA	50.0	16.0	8.60	3.80	< 4	302	.72	< .01	30.0
EW-2830	UFA	20.0	4.50	4.60	1.70	33.4	72.3	.28	< .01	21.0
EW-2830	FA	19.0	4.10	4.80	1.90	33.4	72.3	.28	< .01	21.0
EW-2830	RA	19.0	4.40	4.30	1.60	33.4	72.3	.28	< .01	22.0
EW-2825	UFA	60.0	16.0	11.0	4.50	< 4	278	.53	< .01	32.0
EW-2825	FA	59.0	16.0	10.0	4.80	< 4	278	.53	< .01	31.0
EW-2825	RA	58.0	16.0	10.0	4.60	< 4	278	.53	< .01	33.0
EW-2995	UFA	6.60	.70	3.50	.56	24.6	2.40	.19	1.43	20.0
EW-2995	FA	5.90	.61	3.30	.63	24.6	2.40	.19	1.43	17.0
EW-2995	RA	6.60	.58	2.60	.58	24.6	2.40	.19	1.43	18.0
EW-G	UFA	6.20	.64	3.80	.67	23.4	2.34	.19	1.42	18.0
EW-G	FA	6.20	.65	3.00	.52	23.4	2.34	.19	1.42	18.0
EW-G	RA	6.60	.55	2.70	.61	23.4	2.34	.19	1.42	18.0
EW-3525	UFA	6.90	.77	3.40	.61	23.1	2.65	.19	1.40	20.0
EW-3525	FA	6.20	.62	3.30	.62	23.1	2.65	.19	1.40	18.0
EW-3525	RA	6.50	.74	3.00	.60	23.1	2.65	.19	1.40	19.0
EW-3533	FA	8.20	1.10	3.10	.90	21.7	12.9	.22	< .01	19.0
EW-3533	RA	8.10	1.20	3.10	.93	21.7	12.9	.22	< .01	20.0
EW-E	UFA	6.90	.76	3.60	.63	22.4	2.82	.18	1.38	20.0
EW-E	FA	6.20	.66	3.50	.67	22.4	2.82	.18	1.38	18.0
EW-E	RA	6.50	.75	3.30	.55	22.4	2.82	.18	1.38	20.0
EW-D	UFA	6.50	.75	2.90	.54	21.1	2.99	.18	1.36	18.0
EW-D	FA	6.30	.67	3.30	.59	21.1	2.99	.18	1.36	18.0
EW-D	RA	6.80	.73	3.30	.62	21.1	2.99	.18	1.36	19.0
SWI	FA	7.80	.84	3.30	1.00	24.1	8.63	.21	< .01	19.0
SWI	RA	8.00	.90	3.10	.85	24.1	8.63	.21	< .01	20.0
EW-4107	UFA	6.60	.73	2.80	.54	25.4	3.16	.19	1.34	18.0
EW-4107	FA	6.40	.69	3.50	.70	25.4	3.16	.19	1.34	18.0
EW-4107	RA	6.80	.59	2.70	.63	25.4	3.16	.19	1.34	18.0
EW-4121	FA	7.40	.80	2.90	.72	24.7	6.24	.23	< .01	18.0
EW-4121	RA	7.80	.66	2.70	.82	24.7	6.24	.23	< .01	19.0
EW-C	UFA	6.30	.76	2.80	.54	25.8	3.13	.18	1.32	18.0
EW-C	FA	6.30	.68	3.00	.52	25.8	3.13	.18	1.32	18.0
EW-C	RA	6.60	.77	3.10	.56	25.8	3.13	.18	1.32	19.0
MA	FA	6.30	.56	6.50	.95	29.6	1.71	.51	< .01	24.0
MA	RA	6.70	.48	5.40	.84	29.6	1.71	.51	< .01	25.0

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manga-nese	Molybde-num	Nickel	Stron-tium	Zinc
1.10	< .084	.170	.045	.330	1.100	5.70	< .006	0.016	.280	23.000
1.10	< .084	.160	.032	.340	.960	5.40	< .006	0.013	.270	23.000
1.20	< .084	.180	.019	.880	1.100	5.20	< .006	0.013	.260	22.000
< .019	< .084	.032	.062	.018	.220	1.20	< .006	0.003	.100	5.700
< .019	< .084	.030	.003	.034	.260	1.20	< .006	0.006	.093	5.500
.180	< .084	.031	.003	.047	.310	1.20	< .006	0.005	.098	5.700
.650	< .084	.100	.021	.079	.960	5.90	< .006	0.016	.290	21.000
.590	< .084	.091	< .002	.079	.690	5.70	0.014	0.013	.240	21.000
1.10	< .084	.100	.010	.540	.870	5.70	< .006	0.011	.270	21.000
< .019	< .084	< .001	.031	.008	< .026	0.007	< .006	< .003	.034	.057
< .019	< .084	< .001	.009	.063	< .026	0.007	< .006	< .003	.031	.049
.100	< .084	< .001	< .002	.095	< .026	< .001	0.023	< .003	.030	.030
< .019	< .084	< .001	.007	< .002	< .026	0.006	< .006	< .003	.033	.021
< .019	< .084	< .001	< .002	.058	< .026	0.007	< .006	< .003	.031	.042
.110	< .084	< .001	.002	.098	< .026	< .001	0.019	< .003	.030	.029
< .019	< .084	< .001	.018	< .002	< .026	0.006	< .006	< .003	.035	.090
< .019	< .084	< .001	< .002	.050	< .026	0.006	< .006	< .003	.032	.074
.160	< .084	< .001	.002	.120	< .026	0.013	0.011	< .003	.034	.100
< .019	< .084	.010	< .002	.031	.042	< .001	< .006	< .003	.043	1.300
.150	< .084	.011	< .002	.078	.060	0.003	< .006	< .003	.045	1.400
< .019	< .084	< .001	.041	.009	< .026	0.006	< .006	< .003	.036	.120
< .019	< .084	.002	.002	.054	< .026	0.005	0.017	0.003	.032	.090
.150	< .084	< .001	.002	.120	< .026	0.011	< .006	< .003	.035	.140
< .019	< .084	< .001	.021	.069	< .026	0.007	< .006	0.014	.034	.130
< .019	< .084	< .001	< .002	.057	< .026	0.006	< .006	0.003	.032	.140
.160	< .084	< .001	.003	.120	< .026	0.010	< .006	< .003	.035	.150
< .019	< .084	.007	.003	.035	.051	< .001	< .006	0.003	.042	1.300
.091	< .084	.008	.002	.052	.038	< .001	< .006	< .003	.043	1.500
< .019	< .084	< .001	.010	< .002	< .026	0.005	< .006	< .003	.035	.110
.100	< .084	.002	< .002	.052	< .026	0.005	0.017	< .003	.034	.120
.100	< .084	< .001	.003	.087	< .026	< .001	0.014	< .003	.032	.120
< .019	< .084	.005	.002	.020	.053	< .001	< .006	< .003	.041	.800
< .019	< .084	.006	.002	.023	.065	< .001	< .006	< .003	.038	.840
< .019	< .084	< .001	.017	< .002	< .026	0.006	< .006	< .003	.034	.160
< .019	< .084	< .001	.004	.053	< .026	0.005	< .006	< .003	.033	.170
.130	< .084	< .001	< .002	.110	< .026	0.010	< .006	< .003	.035	.150
< .019	< .084	< .001	< .002	.009	< .026	< .001	0.011	0.003	.045	.010
< .019	< .084	< .001	< .002	< .002	< .026	< .001	0.017	< .003	.043	.008

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
EW-B	UFA	7.80	.81	3.80	.71	23.4	3.20	.20	1.27	18.0
EW-B	FA	6.30	.64	3.40	.64	23.4	3.20	.20	1.27	18.0
EW-B	RA	6.90	.59	2.70	.62	23.4	3.20	.20	1.27	18.0
EW-A	UFA	6.80	.72	2.90	.57	27.6	3.40	.18	1.26	18.0
EW-A	FA	6.40	.66	3.30	.72	27.6	3.40	.18	1.26	18.0
EW-A	RA	6.50	.72	3.10	.61	27.6	3.40	.18	1.26	18.0
WW-A	UFA	41.0	3.90	12.0	1.60	28.6	140	.28	< .01	19.0
WW-A	FA	40.0	3.40	11.0	1.50	28.6	140	.28	< .01	17.0
WW-A	RA	43.0	3.40	10.0	1.40	28.6	140	.28	< .01	18.0
W-A’	UFA	16.0	1.50	4.70	.79	24.0	41.1	.21	.89	17.0
W-A’	UFA	22.0	1.80	6.40	1.10	23.0	41.1	.21	.89	20.0
W-A’	FA	15.0	1.40	5.50	.94	24.0	41.1	.21	.89	18.0
W-A’	FA	16.0	1.40	5.10	.82	23.0	41.1	.21	.89	17.0
W-A’	RA	16.0	1.20	4.50	.85	23.0	41.1	.21	.89	18.0
W-A’	RA	16.0	1.50	5.00	.85	24.0	41.1	.21	.89	18.0
EW-5292	UFA	17.0	1.60	5.70	.92	25.5	42.2	.22	.87	19.0
EW-5292	FA	16.0	1.50	5.00	.79	25.5	42.2	.22	.87	18.0
EW-5292	RA	16.0	1.50	5.40	.85	25.5	42.2	.22	.87	19.0
EW-5492	UFA	16.0	1.60	5.10	.86	24.6	42.4	.23	.86	18.0
EW-5492	FA	15.0	1.30	6.00	1.10	24.6	42.4	.23	.86	17.0
EW-5492	RA	17.0	1.20	4.50	.86	24.6	42.4	.23	.86	18.0
EW-5892	UFA	17.0	1.60	4.80	.84	24.1	41.4	.22	.86	18.0
EW-5892	FA	16.0	1.50	4.90	.76	24.1	41.4	.22	.86	18.0
EW-5892	RA	16.0	1.60	5.10	.85	24.1	41.4	.22	.86	19.0
EW-5944	UFA	24.0	2.40	6.40	1.60	27.1	65.3	.35	< .01	21.0
EW-5944	FA	23.0	2.30	6.40	1.50	27.1	65.3	.35	< .01	21.0
EW-5944	RA	23.0	2.30	6.40	1.40	27.1	65.3	.35	< .01	21.0
EW-6044	UFA	21.0	1.70	6.20	1.00	23.9	42.4	.22	.86	19.0
EW-6044	FA	16.0	1.60	5.00	.83	23.9	42.4	.22	.86	18.0
EW-6044	RA	17.0	1.40	4.50	.83	23.9	42.4	.22	.86	18.0
W-DH81	UFA					< 4		< .09	< .01	
W-DH81	FA	< .005	< .001	< .003	< .03	< 4		< .09	< .01	< .007
W-DH81	RA	.08	< .001	.02	< .03	< 4		< .09	< .01	.08
West Willow synoptic samples										
WW-430	UFA	14.9	1.56	2.95	.87	31.0	17.4	.16	.09	18.0
WW-430	RA	14.9	1.62	3.21	.88	31.0	17.4	.16	.09	17.7
WW-634	UFA	15.0	1.63	4.41	.87	29.5	17.3	.16	4.07	17.2

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Molybdenum	Nickel	Strontium	Zinc
.550	< .084	< .001	.011	.013	< .026	0.007	< .006	< .003	.044	.210
< .019	< .084	< .001	.007	.059	< .026	0.005	< .006	< .003	.032	.140
.120	< .084	< .001	< .002	.088	< .026	< .001	0.012	< .003	.032	.130
.180	< .084	< .001	.015	< .002	< .026	0.004	< .006	< .003	.036	.150
.110	< .084	.002	.003	.051	< .026	0.003	0.014	< .003	.033	.120
.130	< .084	< .001	.004	.110	< .026	0.007	< .006	< .003	.035	.180
.120	< .084	.053	.031	.009	.096	2.10	< .006	0.004	.400	8.300
< .019	< .084	.047	.013	.047	.130	2.10	< .006	0.004	.350	9.100
.170	< .084	.052	.019	.230	.190	2.20	< .006	< .003	.370	17.000
.130	< .084	.014	.014	.009	< .026	0.600	< .006	< .003	.130	4.100
2.70	< .084	.017	.022	.045	< .026	0.660	< .006	0.003	.180	4.800
< .019	< .084	.015	.004	.046	.037	0.580	< .006	< .003	.120	4.500
< .019	< .084	.014	.006	.048	.035	0.610	< .006	< .003	.130	4.700
.110	< .084	.016	.005	.110	.050	0.620	< .006	< .003	.120	4.800
.140	< .084	.015	.004	.140	.063	0.600	< .006	< .003	.130	4.800
< .019	< .084	.016	.022	< .002	< .026	0.610	< .006	< .003	.140	2.800
< .019	< .084	.014	.030	.053	.035	0.610	< .006	0.003	.130	3.100
.160	< .084	.017	.004	.140	.056	0.600	< .006	< .003	.130	3.400
.100	< .084	.016	.015	< .002	< .026	0.600	< .006	< .003	.140	3.300
< .019	< .084	.016	.009	.051	.031	0.540	0.012	< .003	.120	3.500
.087	< .084	.016	.007	.100	.048	0.600	< .006	< .003	.120	3.400
.880	< .084	.014	.047	.023	< .026	0.600	< .006	0.004	.140	3.300
< .019	< .084	.014	< .002	.041	.044	0.610	< .006	< .003	.130	3.100
.140	< .084	.016	< .002	.140	.054	0.610	< .006	< .003	.130	3.400
< .019	< .084	.053	.010	< .002	.050	0.004	< .006	< .003	.180	5.100
< .019	< .084	.051	.010	< .002	.068	0.004	0.020	< .003	.170	5.300
< .019	< .084	.051	.004	.012	.074	0.005	< .006	< .003	.180	4.900
2.40	< .084	.016	.010	.040	< .026	0.600	< .006	0.003	.170	3.800
< .019	< .084	.015	.005	.052	.034	0.590	< .006	< .003	.130	2.800
.090	< .084	.018	.004	.100	.055	0.620	0.013	< .003	.120	2.700
< .019	< .084	< .001	.006	.011	< .026	< .001	< .006	< .003	< .008	.003
< .019	< .084	< .001	.002	.009	< .026	0.010	< .006	< .003	< .008	.070
East Willow synoptic samples										
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.159	< .001
.066	< .084	< .001	< .002	.215	< .026	0.002	< .006	< .003	.167	.003
< .019	< .084	.002	.003	< .002	< .026	0.003	< .006	< .003	.167	.004

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
WW-634	RA	15.1	1.58	4.41	.92	29.5	17.3	.16	4.07	18.3
WW-846	UFA	14.7	1.59	4.27	.84	33.8	17.4	.14	4.07	13.4
WW-846	RA	15.0	1.60	4.36	.92	33.8	17.4	.14	4.07	19.3
WW-1096	UFA	6.57	1.14	2.96	1.89	25.0	3.58	.26	< .01	34.0
WW-1096	FA	14.9	1.63	4.28	.90	25.0	3.58	.26	< .01	14.4
WW-1096	RA	6.40	1.14	2.91	1.85	25.0	3.58	.26	< .01	36.1
WW-1296	UFA	14.8	1.59	4.19	.87	31.5	17.3	.16	4.07	17.7
WW-1296	RA	15.1	1.69	4.05	.91	31.5	17.3	.16	4.07	16.2
WW-1350	UFA	12.9	1.51	2.95	1.06	28.8	14.2	.24	< .01	13.1
WW-1350	RA	12.9	1.52	2.76	1.17	28.8	14.2	.24	< .01	21.5
WW-1729	UFA	14.7	1.60	4.15	.87	31.1	17.2	.19	4.07	13.6
WW-1729	RA					31.1	17.2	.19	4.07	
WW-2054	UFA	15.0	1.61	4.16	.90	31.7	17.3	.17	3.98	17.8
WW-2054	RA	15.1	1.61	4.28	.96	31.7	17.3	.17	3.98	19.4
WW-L	UFA	15.0	1.60	3.74	.93	31.4	17.4	.18	3.83	18.4
WW-L	RA	14.9	1.61	4.08	.93	31.4	17.4	.18	3.83	18.6
WW-2464	UFA	15.5	1.69	4.20	.98	32.1	17.4	.16	3.83	18.3
WW-2464	FA	15.0	1.69	3.99	.91	32.1	17.4	.16	3.83	15.9
WW-2464	RA	14.9	1.62	3.92	.95	32.1	17.4	.16	3.83	18.6
WW-2627	UFA	14.8	1.63	4.09	.92	27.9	17.7	.16	3.83	12.6
WW-2627	RA	14.9	1.64	4.08	.94	27.9	17.7	.16	3.83	13.0
WW-K	UFA	14.9	1.62	4.04	.92	32.6	17.7	.15	3.80	17.8
WW-K	FA	14.6	1.62	3.99	.91	32.6	17.7	.15	3.80	14.6
WW-K	RA	14.8	1.56	4.10	.94	32.6	17.7	.15	3.80	19.1
WW-J	FA	15.2	1.71	3.94	.92	31.7	18.3	.17	3.74	16.0
WW-J	RA	15.0	1.62	3.81	.96	31.7	18.3	.17	3.74	18.7
WW-I	UFA	15.0	1.66	4.06	.95	32.0	18.7	.18	3.66	12.5
WW-I	UFA	14.8	1.65	3.99	.93	31.3	18.6	.18	3.66	11.6
WW-I	FA	15.1	1.68	4.11	.94	32.0	18.7	.18	3.66	14.5
WW-I	FA	15.1	1.68	4.11	.94	31.3	18.6	.18	3.66	14.5
WW-I	RA	15.1	1.62	3.80	.96	32.0	18.7	.18	3.66	19.1
WW-I	RA	14.9	1.64	3.96	.94	31.3	18.6	.18	3.66	18.5
WW-3186	UFA	15.3	1.70	4.12	.98	31.5	18.8	.17	3.55	12.6
WW-3186	FA	14.5	1.62	3.93	.91	31.5	18.8	.17	3.55	14.5
WW-3186	RA	15.1	1.61	4.07	.99	31.5	18.8	.17	3.55	18.7
WW-3221	UFA	12.3	1.44	2.26	1.29	28.8	25.8	.35	< .01	11.8
WW-3221	FA	12.7	1.51	2.23	1.25	28.8	25.8	.35	< .01	14.9
WW-3221	RA	12.7	1.50	2.35	1.40	28.8	25.8	.35	< .01	19.5

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Molybdenum	Nickel	Strontium	Zinc
.073	< .084	< .001	< .002	.213	< .026	0.004	< .006	< .003	.167	< .001
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.150	< .001
.081	< .084	< .001	< .002	.218	< .026	< .001	< .006	< .003	.166	< .001
< .019	< .084	.003	.002	.057	.030	0.007	< .006	< .003	.059	.106
.051	< .084	.002	< .002	.183	< .026	< .001	< .006	< .003	.168	.003
.409	< .084	.004	.003	.496	.031	0.009	< .006	< .003	.058	.111
< .019	< .084	< .001	< .002	< .002	.042	0.006	< .006	< .003	.164	.002
.096	< .084	.004	< .002	.187	.041	< .001	< .006	< .003	.164	.002
< .019	< .084	< .001	< .002	< .002	.038	< .001	< .006	< .003	.113	.012
.616	< .084	.002	< .002	.203	.042	0.005	< .006	< .003	.124	.022
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.148	< .001
					.040					
< .019	< .084	< .001	< .002	.003	.038	< .001	< .006	< .003	.164	.006
.083	< .084	< .001	< .002	.168	< .026	0.016	0.008	< .003	.165	.009
< .019	< .084	< .001	.002	< .002	.034	0.005	< .006	< .003	.156	.011
.086	< .084	.002	< .002	.158	.045	0.021	< .006	< .003	.163	.014
< .019	< .084	< .001	.009	< .002	.052	< .001	< .006	< .003	.168	.013
< .019	< .084	.003	< .002	.077	.028	< .001	< .006	< .003	.165	.012
.094	< .084	< .001	< .002	.151	< .026	0.019	< .006	< .003	.160	.015
< .019	< .084	< .001	< .002	< .002	.062	< .001	< .006	< .003	.150	.036
.065	< .084	< .001	< .002	.129	.041	0.002	< .006	< .003	.150	.062
< .019	< .084	.003	.008	< .002	.035	0.005	< .006	< .003	.162	.063
< .019	< .084	.004	.003	.074	.067	0.004	< .006	< .003	.164	.073
.080	< .084	.003	< .002	.141	.034	0.025	< .006	< .003	.162	.078
.027	< .084	.006	.010	.070	.037	0.014	< .006	< .003	.164	.172
.085	< .084	.005	.002	.132	.045	0.032	< .006	< .003	.159	.174
< .019	< .084	< .001	< .002	< .002	.038	< .001	< .006	< .003	.152	.193
< .019	< .084	< .001	< .002	< .002	.039	< .001	< .006	< .003	.149	.213
< .019	< .084	.007	.003	.043	.038	0.006	< .006	< .003	.168	.227
< .019	< .084	.007	.003	.043	.040	0.006	< .006	< .003	.168	.227
.094	< .084	.006	.003	.133	.038	0.041	< .006	< .003	.159	.228
.080	< .084	.006	.002	.126	.042	0.038	< .006	< .003	.163	.229
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.155	.218
< .019	< .084	.007	.005	.057	.040	0.008	< .006	< .003	.163	.243
.091	< .084	.006	.002	.125	.037	0.043	< .006	< .003	.164	.260
< .019	< .084	.051	< .002	.010	.040	< .001	< .006	< .003	.105	1.678
.057	< .084	.043	.014	.025	.035	0.008	< .006	< .003	.125	1.698
.519	< .084	.044	.015	.212	.044	0.019	< .006	< .003	.127	1.706

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
WW-3299	UFA	14.7	1.60	3.54	.92	32.5	19.2	.17	3.45	18.5
WW-3299	RA	15.0	1.62	3.58	.95	32.5	19.2	.17	3.45	19.0
WW-3489	UFA	14.9	1.65	3.95	.96	32.3	19.0	.17	3.41	11.9
WW-3489	FA	15.3	1.74	3.86	.95	32.3	19.0	.17	3.41	16.3
WW-3489	RA	14.9	1.64	3.83	.97	32.3	19.0	.17	3.41	18.7
WW-3520	FA	11.6	1.37	2.43	1.08	24.5	16.5	.25	< .01	15.3
WW-3520	RA	11.8	1.35	2.50	1.23	24.5	16.5	.25	< .01	20.3
WW-3600	UFA	15.0	1.61	3.77	.96	29.2	18.9	.15	3.38	18.4
WW-3600	FA	14.5	1.63	3.73	.93	29.2	18.9	.15	3.38	14.6
WW-3600	RA	14.9	1.61	3.61	.96	29.2	18.9	.15	3.38	19.0
WW-3728	UFA	14.7	1.57	3.76	.95	30.1	18.9	.17	3.36	18.2
WW-3728	FA	14.5	1.64	3.75	.94	30.1	18.9	.17	3.36	14.6
WW-3728	RA	14.9	1.61	3.94	1.01	30.1	18.9	.17	3.36	19.5
WW-HH	UFA	14.7	1.64	3.86	.94	30.6	18.9	.17	3.33	13.9
WW-HH	FA					30.6	18.9	.17	3.33	
WW-HH	RA	14.8	1.60	3.53	.96	30.6	18.9	.17	3.33	19.0
WW-4100	FA	2.94	.61	.90	.99	14.3	2.48	.52	< .01	10.4
WW-4100	RA	3.16	.73	.93	1.19	14.3	2.48	.52	< .01	17.4
WW-4081	UFA	14.7	1.65	3.83	.96	29.3	18.9	.17	3.27	12.4
WW-4081	FA					29.3	18.9	.17	3.27	
WW-4081	RA	15.0	1.73	3.79	.97	29.3	18.9	.17	3.27	16.6
WW-H	UFA	14.8	1.60	3.44	.95	30.0	18.9	.16	3.18	18.2
WW-H	FA	14.9	1.70	3.63	.93	30.0	18.9	.16	3.18	15.8
WW-H	RA	14.7	1.63	3.64	.96	30.0	18.9	.16	3.18	18.6
WW-4401	UFA	14.6	1.63	3.75	.94	30.4	18.6	.18	3.15	13.6
WW-4401	FA	14.7	1.68	3.58	.92	30.4	18.6	.18	3.15	15.6
WW-4401	RA	15.0	1.66	3.80	.97	30.4	18.6	.18	3.15	14.3
WW-G	UFA	14.9	1.66	3.80	.96	29.9	18.8	.20	3.09	11.9
WW-G	FA	14.9	1.70	3.63	.93	29.9	18.8	.20	3.09	15.8
WW-G	RA	15.0	1.68	3.80	.98	29.9	18.8	.20	3.09	14.2
WW-4710	UFA	16.0	1.73	3.76	1.03	30.0	18.9	.21	3.09	19.5
WW-4710	FA	14.6	1.65	3.62	.95	30.0	18.9	.21	3.09	14.4
WW-4710	RA	14.6	1.64	3.75	.95	30.0	18.9	.21	3.09	18.3
WW-NT	UFA	228	17.2	52.7	4.91	< 4	964	1.33	< .01	33.3
WW-NT	FA	240	17.1	53.1	4.92	< 4	964	1.33	< .01	33.6
WW-NT	RA	229	17.2	52.5	4.95	< 4	964	1.33	< .01	44.2
WW-F	UFA	41.9	3.57	9.88	1.43	25.1	133	.23	2.72	21.4
WW-F	FA	53.4	4.15	8.70	1.26	25.1	133	.23	2.72	18.2

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manga-nese	Molybde-num	Nickel	Stron-tium	Zinc
< .019	< .084	.006	.004	< .002	.048	0.008	< .006	< .003	.152	.252
.085	< .084	.006	.002	.109	.052	0.034	< .006	< .003	.155	.270
< .019	< .084	< .001	< .002	< .002	.035	< .001	< .006	< .003	.150	.248
< .019	< .084	.007	.003	.050	.032	0.016	< .006	< .003	.163	.273
.093	< .084	.006	.003	.115	.034	0.037	< .006	< .003	.160	.279
.046	< .084	.017	.005	.018	.042	0.022	< .006	< .003	.119	1.333
.511	< .084	.017	.003	.230	.049	0.062	< .006	< .003	.120	1.293
< .019	< .084	.006	.014	< .002	.027	0.009	< .006	< .003	.158	.285
< .019	< .084	.008	.003	.052	.047	0.011	0.008	< .003	.160	.287
.103	< .084	.007	.003	.110	.032	0.039	< .006	< .003	.157	.290
< .019	< .084	.006	.005	< .002	.050	0.005	< .006	< .003	.157	.261
< .019	< .084	.007	.002	.047	.040	0.014	< .006	< .003	.162	.282
.115	< .084	.007	.002	.115	.057	0.039	< .006	< .003	.161	.291
< .019	< .084	< .001	< .002	< .002	.033	< .001	< .006	< .003	.146	.258
					.031					
.101	< .084	.006	.002	.100	.043	0.031	< .006	< .003	.154	.278
.248	< .084	< .001	.004	.121	.028	0.003	< .006	< .003	.030	.011
1.22	< .084	< .001	.004	.610	< .026	0.019	< .006	< .003	.031	.020
< .019	< .084	< .001	< .002	< .002	.039	< .001	< .006	< .003	.147	.240
					.044					
.099	< .084	.009	.003	.109	.040	0.031	< .006	< .003	.164	.293
< .019	< .084	.006	.021	< .002	.035	0.011	< .006	< .003	.152	.271
< .019	< .084	.007	.003	.038	.031	0.011	< .006	< .003	.158	.273
.098	< .084	.007	.002	.091	.030	0.036	< .006	< .003	.156	.276
< .019	< .084	< .001	.006	.017	.036	< .001	< .006	< .003	.142	.285
.026	< .084	.007	.013	.044	.031	0.009	< .006	< .003	.156	.288
.137	< .084	< .001	< .002	.075	.040	0.010	< .006	< .003	.147	.273
< .019	< .084	< .001	< .002	< .002	< .026	< .001	< .006	< .003	.149	.274
< .019	< .084	.008	.003	.035	.036	0.011	0.007	< .003	.158	.281
.091	< .084	< .001	< .002	.072	.058	0.004	< .006	< .003	.147	.286
.021	< .084	.007	.021	.006	.039	0.006	< .006	< .003	.166	.340
< .019	< .084	.008	.004	.039	.029	0.014	< .006	< .003	.161	.316
.100	< .084	.007	.002	.087	.031	0.031	< .006	< .003	.159	.318
.574	< .084	.276	.054	.003	17.4	1.42	< .006	< .003	2.026	95.497
.615	< .084	.312	.074	.022	17.5	1.52	0.009	0.023	2.015	95.574
.592	< .084	.295	.070	1.63	17.4	1.43	0.008	0.021	1.890	95.598
.054	< .084	.042	.010	< .002	2.19	0.091	< .006	< .003	.374	12.250
.157	< .084	.053	.008	.349	2.58	0.143	< .006	0.003	.374	14.993

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Site identification	Filtration	Calcium	Magnesium	Sodium	Potassium	Alkalinity as calcium carbonate	Sulfate	Chloride	Bromide (tracer)	Silica
WW-F	RA	41.5	3.52	9.72	1.46	25.1	133	.23	2.72	22.1
WW-4866	UFA	42.9	3.72	9.96	1.46	26.2	141	.28	2.64	14.6
WW-4866	FA	44.4	3.89	10.2	1.43	26.2	141	.28	2.64	15.5
WW-4866	RA	43.0	3.74	10.1	1.47	26.2	141	.28	2.64	17.0
WW-4930	UFA	57.8	8.41	13.5	2.59	< 4	342	.92	< .01	18.8
WW-4930	FA	59.0	8.54	14.2	2.65	< 4	342	.92	< .01	21.3
WW-4930	RA	57.4	8.38	13.5	2.59	< 4	342	.92	< .01	18.0
WW-4980	UFA	43.7	3.86	10.3	1.49	24.1	144	.29	2.57	16.7
WW-4980	FA	44.2	4.09	10.4	1.52	24.1	144	.29	2.57	17.4
WW-4980	RA	43.5	3.84	10.0	1.50	24.1	144	.29	2.57	15.0
WW-D	UFA	43.7	3.83	10.4	1.49	25.7	144	.27	2.55	21.5
WW-D	FA	43.6	3.91	9.94	1.49	25.7	144	.27	2.55	17.3
WW-D	RA	44.5	3.98	10.2	1.47	25.7	144	.27	2.55	16.9
WW-5189	UFA	43.6	3.85	10.1	1.47	23.9	144	.31	2.55	15.2
WW-5189	FA	54.7	4.15	9.67	1.31	23.9	144	.31	2.55	18.2
WW-5189	RA	43.7	3.87	10.3	1.49	23.9	144	.31	2.55	17.1
WW-B	UFA	43.8	3.87	10.3	1.51	24.8	143	.26	2.55	14.2
WW-B	FA	44.7	3.98	10.3	1.44	24.8	143	.26	2.55	16.5
WW-B	RA	43.0	3.76	10.2	1.49	24.8	143	.26	2.55	22.0
WW-5383	UFA	42.9	3.77	10.1	1.42	25.4	143	.28	2.53	21.9
WW-5383	FA	43.7	3.91	9.89	1.49	25.4	143	.28	2.53	17.3
WW-5383	RA	43.3	3.78	10.2	1.48	25.4	143	.28	2.53	22.5
WW-A	UFA	43.6	3.86	10.1	1.51	25.6	143	.27	2.49	14.3
WW-A	UFA	47.2	4.08	11.1	1.64	25.8	143	.28	2.49	23.2
WW-A	FA	43.4	3.93	9.93	1.50	25.8	143	.28	2.49	17.4
WW-A	FA	54.8	4.21	9.41	1.32	25.6	143	.27	2.49	18.2
WW-A	RA	43.8	3.79	10.2	1.54	25.6	143	.27	2.49	23.1
WW-A	RA	43.5	3.87	10.2	1.51	25.8	143	.28	2.49	17.0
WW-EW-A	UFA	6.90	.78	2.50	.66	21.9	3.40	.18	< .01	22.4
WW-EW-A	FA	7.06	.79	2.54	.65	21.9	3.40	.18	< .01	18.0
WW-EW-A	RA	7.01	.80	2.46	.71	21.9	3.40	.18	< .01	23.8
WW-W-A	UFA	17.2	1.64	4.82	.90	23.8	42.6	.22	.72	21.7
WW-W-A	FA	17.5	1.68	4.73	.92	23.8	42.6	.22	.72	17.6
WW-W-A	RA	17.4	1.61	4.32	.92	23.8	42.6	.22	.72	23.2
EW-5892	UFA	17.3	1.65	4.77	.93	22.3	43.1	.20	.70	14.9
EW-5892	FA	21.8	1.85	4.34	.81	22.3	43.1	.20	.70	18.9
EW-5892	RA	17.5	1.63	4.87	.97	22.3	43.1	.20	.70	23.8
EW-6044	UFA	17.5	1.65	4.73	.92	24.2	43.2	.22	.70	22.4

Table A2. Results of chemical analyses for synoptic samples collected near Creede, Colorado, August and September, 2000

[All concentrations in milligrams per liter; Treatment: UFA, ultrafiltration; FA, 0.45-micrometer filtration; RA, unfiltered total-recoverable]

Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manga-nese	Molybde-num	Nickel	Stron-tium	Zinc
.156	< .084	.042	.010	.276	2.18	0.198	< .006	< .003	.370	12.306
.043	< .084	.024	< .002	< .002	2.47	0.080	< .006	< .003	.393	13.119
.079	< .084	.050	.016	.029	2.47	0.141	< .006	< .003	.397	13.264
.141	< .084	.027	< .002	.249	2.47	0.196	< .006	< .003	.390	13.295
1.31	< .084	.462	.470	< .002	8.79	1.07	< .006	< .003	.453	78.684
1.46	< .084	.503	.513	< .002	8.79	1.18	0.007	0.012	.471	77.938
1.92	< .084	.463	.467	< .002	8.79	1.09	< .006	< .003	.455	78.447
.041	< .084	.034	< .002	< .002	2.61	0.091	< .006	< .003	.393	14.293
.079	< .084	.058	.016	.027	2.61	0.163	< .006	< .003	.409	14.339
.164	< .084	.036	< .002	.229	2.61	0.202	< .006	< .003	.392	14.441
.062	< .084	.055	.015	< .002	2.39	0.098	< .006	< .003	.398	14.030
.089	< .084	.056	.018	.027	2.49	0.143	< .006	0.004	.401	14.038
.172	< .084	.056	.019	.249	2.54	0.210	< .006	< .003	.394	14.226
.039	< .084	.033	< .002	< .002	2.64	0.071	< .006	< .003	.396	14.112
.105	< .084	.058	.014	.044	2.64	0.137	< .006	< .003	.394	16.734
.159	< .084	.035	< .002	.221	2.64	0.189	< .006	< .003	.394	14.373
.039	< .084	.032	< .002	< .002	2.35	0.070	< .006	< .003	.400	14.303
.079	< .084	.056	.014	.023	2.54	0.117	< .006	< .003	.400	14.099
.167	< .084	.054	.018	.232	2.35	0.204	< .006	< .003	.390	13.967
.050	< .084	.054	.011	< .002	2.32	0.083	< .006	< .003	.391	13.848
.075	< .084	.056	.015	.028	2.44	0.125	< .006	0.003	.401	14.132
.176	< .084	.055	.018	.236	2.34	0.206	< .006	< .003	.393	14.164
.038	< .084	.032	< .002	< .002	2.35	0.051	< .006	< .003	.398	14.309
.055	< .084	.058	.017	.004	2.55	0.083	< .006	0.003	.419	15.293
.076	< .084	.058	.014	.028	2.44	0.128	< .006	0.004	.401	14.112
.103	< .084	.062	.011	.059	2.64	0.135	< .006	0.003	.391	16.953
.162	< .084	.056	.017	.224	2.35	0.197	< .006	< .003	.396	14.369
.136	< .084	.039	< .002	.204	2.55	0.179	< .006	< .003	.390	14.459
< .019	< .084	.003	.004	< .002	.056	0.004	< .006	< .003	.034	.193
.032	< .084	.004	.003	.048	.032	0.002	< .006	< .003	.035	.195
.136	< .084	.003	< .002	.102	.049	0.015	< .006	< .003	.034	.198
.022	< .084	.018	.011	< .002	.645	0.016	< .006	< .003	.138	4.120
.035	< .084	.020	.005	.035	.684	0.031	< .006	< .003	.141	4.341
.142	< .084	.018	.004	.130	.649	0.063	< .006	< .003	.132	4.243
< .019	< .084	< .001	< .002	< .002	.636	< .001	< .006	< .003	.123	4.254
.075	< .084	.022	.004	.096	.713	0.032	< .006	< .003	.136	5.036
.132	< .084	.019	.004	.119	.636	0.053	< .006	< .003	.139	4.322
.025	< .084	.018	.008	< .002	.625	0.012	< .006	< .003	.137	4.216