Table 11. Summary of measured constituents and properties for Colorado Gulch upstream from mouth near Leadville, Co., station 391414106231001

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	2006-2010	6	0	0.23	0.98	16.8	06/10/10	0.23	16.7	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2011-2012	4	0	0.41	1.4	28.0	06/08/11	0.41	28.0	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2006-2010	6	0	6.7	8.3	9.6	10/23/06	6.7	9.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2011-2012	4	0	8.6	8.8	9.5	09/21/12	8.6	9.5	6.0	0	--	--	--	L
pH, in standard units	2006-2010	6	0	6.4	7.0	7.5	06/07/06	6.4	7.5	6.5-9.0	1		--	--	H
pH, in standard units	2011-2012	4	0	4.7	7.1	7.1	05/30/12	4.7	7.1	6.5-9.0	1		--	--	H
Specific conductance, in microsiemens per centimeter	2006-2010	6	0	30.0	44.4	56.6	08/24/06	30.2	56.1	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2011-2012	4	0	41.0	48.5	70.0	06/08/11	41.0	70.0	--	--	.	--	--	--
Temperature, degrees Celsius	2006-2010	6	0	-1.00	7.2	8.0	07/12/06	-0.6	8.0	17.0	--	--	--	--	L
Temperature, degrees Celsius	2011-2012	4	0	5.8	6.9	7.5	09/21/12	5.8	7.5	17.0	--	--	--	--	L
Hardness, in milligrams per liter	2006-2010	6	0	8.9	14.7	16.8	08/24/06	8.9	16.7	--	--	.	--	--	--
Hardness, in milligrams per liter	2011	2	0	13.4	15.8	18.1	09/28/11	13.4	18.1	--	--	.	--	--	--
Calcium, in milligrams per liter	2006-2010	6	0	2.3	3.7	4.2	08/24/06	2.3	4.1	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2011	2	0	3.4	3.9	4.5	09/28/11	3.4	4.5	--	--	.	--	0.019	--
Calcium, unfiltered, in milligrams per liter	2006-2010	6	0	2.38	3.57	4.23	08/24/06	2.40	4.20	--	--	--	--	0.022	--
Calcium, unfiltered, in milligrams per liter	2011	2	0	3.38	3.97	4.56	09/28/11	3.38	4.56	--	--	--	--	0.019	--
Magnesium, in milligrams per liter	2006-2010	6	0	0.74	1.3	1.6	08/24/06	0.75	1.5	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2011	2	0	1.2	1.4	1.7	09/28/11	1.2	1.7	--	--	.	--	0.0021	--
Magnesium, unfiltered, in milligrams per liter	2006-2010	6	0	0.789	1.25	1.59	08/24/06	0.793	1.58	--	--	--	--	0.011	--
Magnesium, unfiltered, in milligrams per liter	2011	2	0	1.20	1.44	1.68	09/28/11	1.20	1.68	--	--	--	--	0.0021	--
Potassium, in milligrams per liter	2006-2010	6	0	0.31	0.42	0.53	09/29/10	0.31	0.52	--	--	.	--	0.0070	--
Potassium, in milligrams per liter	2011	2	0	0.57	0.85	1.1	09/28/11	0.57	1.1	--	--	.	--	0.0048	--
Potassium, unfiltered, in milligrams per liter	2006-2010	6	0	0.332	0.429	0.527	08/24/06	0.334	0.525	--	--	--	--	0.0070	--
Potassium, unfiltered, in milligrams per liter	2011	2	0	0.565	0.864	1.16	09/28/11	0.565	1.16	--	--	--	--	0.0048	--
Sodium, in milligrams per liter	2006-2010	6	0	1.5	2.0	2.3	10/23/06	1.5	2.3	--	--	.	--	0.0050	--
Sodium, in milligrams per liter	2011	2	0	2.1	4.6	7.2	09/28/11	2.1	7.2	--	--	.	--	0.087	--
Sodium, unfiltered, in milligrams per liter	2006-2010	6	0	1.53	1.87	2.12	08/24/06	1.54	2.12	--	--	--	--	0.0050	--
Sodium, unfiltered, in milligrams per liter	2011	2	0	1.94	4.57	7.20	09/28/11	1.94	7.20	--	--	--	--	0.087	--
Acid neutralizing capacity, unfiltered, in milligrams per liter	2006-2010	5	0	6.10	8.60	13.0	10/23/06	6.10	13.0	--	--	--	--	0.10	--
Alkalinity, water, fixed endpoint, in milligrams per liter	2010	2	0	5.40	9.85	14.3	09/29/10	5.40	14.3	--	--	--	--	0.10	--
Alkalinity, water, fixed endpoint, in milligrams per liter	2011	2	0	0.400	12.4	24.4	09/28/11	0.400	24.4	--	--	--	--	0.10	--
Alkalinity, Gran titration, in milligrams per liter	2010	2	0	4.30	8.55	12.8	09/29/10	4.30	12.8	--	--	--	--	0.10	--
Alkalinity, Gran titration, in milligrams per liter	2011	2	0	-1.60	10.5	22.6	09/28/11	-1.60	22.6	--	--	--	--	--	--
Bicarbonate, Gran titration, in milligrams per liter	2010	2	0	5.30	10.5	15.6	09/29/10	5.30	15.6	--	--	--	--	0.10	--
Bicarbonate, Gran titration, in milligrams per liter	2011	2	0	0 *	13.8	27.6	09/28/11	0 *	27.6	--	--	--	--	0.10	--

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Chloride, in milligrams per liter	2006-2010	6	0	0.15	0.30	0.39	10/23/06	0.16	0.39	250	0	.	--	0.12	L
Chloride, in milligrams per liter	2011-2012	4	0	0.56	0.96	5.6	09/28/11	0.56	5.6	250	0	.	--	0.060	L
Silica, in milligrams per liter	2006-2010	6	0	1.9	6.0	9.7	09/29/10	1.9	9.6	--	--	.	--	0.044	--
Silica, in milligrams per liter	2011	2	0	8.8	9.5	10.2	09/28/11	8.8	10.2	--	--	.	--	0.026	--
Silica, unfiltered, in micrograms per liter	2006-2010	6	0	4.43	4.71	9.71	09/29/10	4.43	9.63	--	--	--	--	0.044	--
Silica, unfiltered, in micrograms per liter	2011	2	0	9.59	9.98	10.4	09/28/11	9.59	10.4	--	--	--	--	0.026	--
Sulfate, in milligrams per liter	2006-2010	6	0	6.1	6.8	15.5	08/24/06	6.1	15.3	250	0	.	--	0.053	L
Sulfate, in milligrams per liter	2011-2012	4	0	7.2	8.2	25.2	06/08/11	7.2	25.2	250	0	.	--	0.090	L
Sulfate, unfiltered, in milligrams per liter	2010	2	0	6.56	6.79	7.03	06/10/10	6.56	7.03	--	--	--	--	0.053	--
Sulfate, unfiltered, in milligrams per liter	2011	2	0	7.18	16.1	25.0	06/08/11	7.18	25.0	--	--	--	--	0.036	--
Dissolved solids, sum of constituents, in milligrams per liter	2006-2010	6	0	19.1	31.1	33.2	09/29/10	19.4	33.1	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2011	2	0	45.4	49.0	52.5	09/28/11	45.4	52.5	--	--	.	--	--	--
Aluminum, in micrograms per liter	2006-2010	6	0	29.4	113	265	06/10/10	30.4	262	32.5	5	228	1	2.0	H
Aluminum, in micrograms per liter	2011	2	0	123	564	1,004	06/08/11	123	1,004	32.5	2	228	1	0.53	H
Aluminum, unfiltered, in micrograms per liter	2006-2010	6	0	127	304	473	07/12/06	133	467	32.5	6	228	5	2.0	H
Aluminum, unfiltered, in micrograms per liter	2011	2	0	150	720	1,289	06/08/11	150	1,289	32.5	2	228	1	0.53	H
Antimony, in micrograms per liter	2011	1	1	0 *	0 *	0 *	09/28/11	0 *	0 *	5.60	0	--	--	0.018	L
Arsenic, in micrograms per liter	2006-2010	6	0	0.091	0.21	0.69	06/10/10	0.095	0.67	10.0	0	340	0	0.0050	L
Arsenic, in micrograms per liter	2011	2	0	0.25	0.27	0.28	06/08/11	0.25	0.28	10.0	0	340	0	0.12	L
Arsenic, unfiltered, in micrograms per liter	2006-2010	6	0	0.25	0.47	0.79	06/10/10	0.26	0.78	10.0	0	.	--	0.0050	L
Arsenic, unfiltered, in micrograms per liter	2011	2	0	0.27	2.5	4.8	06/08/11	0.27	4.8	10.0	0	.	--	0.12	L
Barium, in micrograms per liter	2006-2010	6	0	4.6	6.5	10.4	08/24/06	4.7	10.2	1,000	0	.	--	0.020	L
Barium, in micrograms per liter	2011	2	0	7.5	7.8	8.2	06/08/11	7.5	8.2	1,000	0	.	--	0.073	L
Barium, unfiltered, in micrograms per liter	2006-2010	6	0	5.4	6.8	10.9	08/24/06	5.4	10.7	--	--	.	--	0.020	--
Barium, unfiltered, in micrograms per liter	2011	2	0	7.6	8.4	9.3	06/08/11	7.6	9.3	--	--	.	--	0.073	--
Cadmium, in micrograms per liter	2006-2010	6	0	1.2	1.9	4.1	07/12/06	1.2	4.1	0.095	6	0.30	6	0.024	H
Cadmium, in micrograms per liter	2011	2	0	1.5	4.3	7.2	06/08/11	1.5	7.2	0.095	2	0.30	2	0.066	H
Cadmium, unfiltered, in micrograms per liter	2006-2010	6	0	1.2	2.0	4.5	07/12/06	1.2	4.4	--	--	.	--	0.024	--
Cadmium, unfiltered, in micrograms per liter	2011	2	0	1.5	4.1	6.7	06/08/11	1.5	6.7	--	--	.	--	0.066	--
Chromium, in micrograms per liter	2006-2010	6	0	0.046	0.13	0.78	06/07/06	0.049	0.77	--	--	50.0	0	0.0030	--
Chromium, in micrograms per liter	2011	2	0	0.063	0.098	0.13	06/08/11	0.063	0.13	--	--	50.0	0	0.012	--
Chromium, unfiltered, in micrograms per liter	2006-2010	6	0	0.064	0.17	0.75	06/07/06	0.067	0.74	--	--	.	--	0.0030	--
Chromium, unfiltered, in micrograms per liter	2011	2	0	0.063	0.24	0.41	06/08/11	0.063	0.41	--	--	.	--	0.012	--
Cobalt, in micrograms per liter	2006-2010	6	0	0.19	0.41	0.76	07/12/06	0.19	0.76	--	--	.	--	0.037	--
Cobalt, in micrograms per liter	2011	2	0	0.23	0.97	1.7	06/08/11	0.23	1.7	--	--	.	--	0.0034	--

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Cobalt, unfiltered, in micrograms per liter	2006-2010	6	0	0.18	0.45	0.81	07/12/06	0.19	0.81	--	--	.	--	0.037	--
Cobalt, unfiltered, in micrograms per liter	2011	2	0	0.22	0.95	1.7	06/08/11	0.22	1.7	--	--	.	--	0.0034	--
Copper, in micrograms per liter	2006-2010	6	0	5.5	8.0	18.8	06/10/10	5.5	18.6	1.7	6	2.1	6	0.0020	H
Copper, in micrograms per liter	2011	2	0	7.4	55.1	103	06/08/11	7.4	103	1.7	2	2.1	2	0.095	H
Copper, unfiltered, in micrograms per liter	2006-2010	6	0	7.4	13.9	31.5	07/12/06	7.5	31.0	--	--	.	--	0.0020	--
Copper, unfiltered, in micrograms per liter	2011	2	0	7.9	54.1	100	06/08/11	7.9	100	--	--	.	--	0.095	--
Iron, in micrograms per liter	2006-2010	6	0	7.8	112	424	06/10/10	9.2	417	300	1	.	--	2.0	H
Iron, in micrograms per liter	2011	2	0	55.7	634	1,212	06/08/11	55.7	1,212	300	1	.	--	1.4	H
Iron, unfiltered, in micrograms per liter	2006-2010	6	0	86.0	274	609	06/10/10	87.4	602	1,000	0	.	--	2.0	M
Iron, unfiltered, in micrograms per liter	2011	2	0	83.4	1,579	3,074	06/08/11	83.4	3,074	1,000	1	.	--	1.4	H
Lead, in micrograms per liter	2006-2010	6	0	0.045	0.18	0.48	06/10/10	0.048	0.47	0.28	2	7.1	0	0.029	H
Lead, in micrograms per liter	2011	2	0	0.19	1.1	2.1	06/08/11	0.19	2.1	0.28	1	7.1	0	0.0039	H
Lead, unfiltered, in micrograms per liter	2006-2010	6	0	0.32	0.92	3.9	10/23/06	0.34	3.8	--	--	.	--	0.029	--
Lead, unfiltered, in micrograms per liter	2011	2	0	0.38	4.0	7.7	06/08/11	0.38	7.7	--	--	.	--	0.0039	--
Lithium, in micrograms per liter	2006-2010	6	3	0 *	0.454	4.03	06/10/10	0 *	3.95	--	--	--	--	0.055	--
Lithium, in micrograms per liter	2011	2	0	5.12	21.7	38.2	09/28/11	5.12	38.2	--	--	--	--	0.49	--
Lithium, unfiltered, in micrograms per liter	2006-2010	6	2	0 *	1.48	2.76	06/10/10	0 *	2.75	--	--	--	--	0.055	--
Lithium, unfiltered, in micrograms per liter	2011	2	0	4.81	21.4	37.9	09/28/11	4.81	37.9	--	--	--	--	0.49	--
Manganese, in micrograms per liter	2006-2010	6	0	97.0	175	343	07/12/06	98.0	341	50.0	6	.	--	1.0	H
Manganese, in micrograms per liter	2011	2	0	106	335	564	06/08/11	106	564	50.0	2	.	--	0.58	H
Manganese, unfiltered, in micrograms per liter	2006-2010	6	0	108	196	341	07/12/06	108	340	--	--	.	--	1.0	--
Manganese, unfiltered, in micrograms per liter	2011	2	0	106	358	609	06/08/11	106	609	--	--	.	--	0.58	--
Molybdenum, in micrograms per liter	2006-2010	6	1	0 *	0.283	0.319	07/12/06	0.013	0.318	210	0	--	--	0.57	L
Molybdenum, in micrograms per liter	2011	2	1	0 *	0.159	0.318	09/28/11	0 *	0.318	210	0	--	--	0.053	L
Molybdenum, unfiltered, in micrograms per liter	2006-2010	6	1	0 *	0.276	0.319	06/10/10	0.012	0.319	--	--	--	--	0.57	--
Molybdenum, unfiltered, in micrograms per liter	2011	2	0	0.198	0.253	0.309	09/28/11	0.198	0.309	--	--	--	--	0.053	--
Nickel, in micrograms per liter	2006-2010	6	0	0.55	0.80	1.5	07/12/06	0.55	1.5	9.7	0	87.8	0	0.070	L
Nickel, in micrograms per liter	2011	2	0	0.55	1.6	2.6	06/08/11	0.55	2.6	9.7	0	87.8	0	0.019	L
Nickel, unfiltered, in micrograms per liter	2006-2010	6	0	0.50	1.0	1.6	07/12/06	0.51	1.6	--	--	.	--	0.070	--
Nickel, unfiltered, in micrograms per liter	2011	2	0	0.57	1.6	2.5	06/08/11	0.57	2.5	--	--	.	--	0.019	--
Silver, in micrograms per liter	2006-2010	6	0	0.019	0.030	0.044	06/10/10	0.019	0.044	0.002	6	0.067	0	0.0010	H
Silver, in micrograms per liter	2011	2	2	0 *	0 *	0 *	06/08/11	0 *	0 *	0.002	0	0.067	0	0.048	L
Silver, unfiltered, in micrograms per liter	2006-2010	6	0	0.048	0.076	0.24	10/23/06	0.048	0.24	--	--	.	--	0.0010	--
Silver, unfiltered, in micrograms per liter	2011	2	1	0 *	0.32	0.63	06/08/11	0 *	0.63	--	--	.	--	0.048	--
Strontium, in micrograms per liter	2006-2010	6	0	13.4	18.0	21.6	08/24/06	13.5	21.5	--	--	--	--	0.0020	--

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Strontium, in micrograms per liter	2011	2	0	18.2	33.2	48.1	09/28/11	18.2	48.1	--	--	--	--	0.45	--
Strontium, unfiltered, in micrograms per liter	2006-2010	6	0	13.5	17.9	21.5	08/24/06	13.5	21.4	--	--	--	--	0.0020	--
Strontium, unfiltered, in micrograms per liter	2011	2	0	16.7	32.4	48.2	09/28/11	16.7	48.2	--	--	--	--	0.45	--
Vanadium, in micrograms per liter	2006-2010	6	0	0.023	0.047	0.117	06/10/10	0.023	0.117	--	--	--	--	0.0010	--
Vanadium, in micrograms per liter	2011	2	1	0 *	0.0055	0.011	06/08/11	0 *	0.011	--	--	--	--	0.12	--
Vanadium, unfiltered, in micrograms per liter	2006-2010	6	0	0.056	0.120	0.229	06/07/06	0.057	0.228	--	--	--	--	0.0010	--
Vanadium, unfiltered, in micrograms per liter	2011	2	1	0 *	0.198	0.395	06/08/11	0 *	0.395	--	--	--	--	0.12	--
Zinc, in micrograms per liter	2006-2010	6	0	94.9	121	250	07/12/06	95.2	250	23.0	6	26.5	6	0.64	H
Zinc, in micrograms per liter	2011	2	0	100	291	481	06/08/11	100	481	23.0	2	26.5	2	0.26	H
Zinc, unfiltered, in micrograms per liter	2006-2010	6	0	89.4	135	269	07/12/06	90.1	269	--	--	.	--	0.64	--
Zinc, unfiltered, in micrograms per liter	2011	2	0	99.7	293	486	06/08/11	99.7	486	--	--	.	--	0.26	--
Uranium (natural), in micrograms per liter	2006-2010	6	1	0 *	0.33	0.50	06/10/10	0.016	0.50	30.0	0	.	--	0.29	L
Uranium (natural), in micrograms per liter	2011	2	0	0.34	0.82	1.3	06/08/11	0.34	1.3	30.0	0	.	--	0.0087	L
Uranium, unfiltered, in micrograms per liter	2006-2010	6	1	0 *	0.539	0.747	07/12/06	0.022	0.739	--	--	--	--	0.29	--
Uranium, unfiltered, in micrograms per liter	2011	2	0	0.367	1.02	1.68	06/08/11	0.367	1.68	--	--	--	--	0.0087	--