Table 5. Summary of measured constituents and properties for Sugarloaf Gulch 1 upstream from Dinero Mine drain tunnel, station 391501106225401
[--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; *, value is censored, see Definition of Terms for censored value replacement rules; **, Geometric mean; See Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli,* pH, and water temperature]

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	0.002	0.038	0.37	09/29/10	0.002	0.36	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2011-2012	4	0	0.011	0.021	1.3	06/08/11	0.011	1.3	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2006-2010	6	0	4.3	5.5	7.2	06/11/10	4.4	7.2	6.0	4	--	--	--	H
Dissolved oxygen, in milligrams per liter	2011-2012	4	0	4.4	6.1	7.8	06/08/11	4.4	7.8	6.0	2	--	--	--	H
pH, in standard units	2006-2010	6	0	5.0	6.3	6.8	10/23/06	5.0	6.8	6.5-9.0	3		--	--	H
pH, in standard units	2011-2012	4	0	3.7	3.8	4.2	09/29/11	3.7	4.2	6.5-9.0	4		--	--	H
Specific conductance, in microsiemens per centimeter	2006-2010	6	0	104	121	298	09/29/10	104	290	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2011-2012	4	0	190	522	557	09/20/12	190	557	--	--	.	--	--	--
Temperature, degrees Celsius	2006-2010	6	0	1.0	7.9	9.7	08/24/06	1.3	9.7	17.0	--	--	--	--	L
Temperature, degrees Celsius	2011-2012	4	0	6.9	9.1	10.7	06/08/11	6.9	10.7	17.0	--	--	--	--	L
Hardness, in milligrams per liter	2006-2010	6	0	24.6	32.7	115	09/29/10	24.8	111	--	--	.	--	--	--
Hardness, in milligrams per liter	2011	2	0	36.9	102	167	09/29/11	36.9	167	--	--	.	--	--	--
Calcium, in milligrams per liter	2006-2010	6	0	6.6	9.1	32.0	09/29/10	6.7	31.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2011	2	0	10.5	27.8	45.1	09/29/11	10.5	45.1	--	--	.	--	0.019	--
Calcium, unfiltered, in milligrams per liter	2006-2010	6	0	6.72	9.08	31.7	09/29/10	6.73	30.8	--	--	--	--	0.022	--
Calcium, unfiltered, in milligrams per liter	2011	2	0	10.1	27.4	44.8	09/29/11	10.1	44.8	--	--	--	--	0.019	--
Magnesium, in milligrams per liter	2006-2010	6	0	2.0	2.4	8.5	09/29/10	2.0	8.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2011	2	0	2.6	7.9	13.2	09/29/11	2.6	13.2	--	--	.	--	0.0021	--
Magnesium, unfiltered, in milligrams per liter	2006-2010	6	0	1.75	2.43	8.61	09/29/10	1.76	8.36	--	--	--	--	0.011	--
Magnesium, unfiltered, in milligrams per liter	2011	2	0	2.50	7.92	13.3	09/29/11	2.50	13.3	--	--	--	--	0.0021	--
Potassium, in milligrams per liter	2006-2010	6	0	0.61	1.2	2.6	09/29/10	0.63	2.5	--	--	.	--	0.0070	--
Potassium, in milligrams per liter	2011	2	0	1.0	1.7	2.4	09/29/11	1.0	2.4	--	--	.	--	0.0048	--
Potassium, unfiltered, in milligrams per liter	2006-2010	6	0	0.656	1.17	2.53	09/29/10	0.669	2.48	--	--	--	--	0.0070	--
Potassium, unfiltered, in milligrams per liter	2011	2	0	1.05	1.73	2.41	09/29/11	1.05	2.41	--	--	--	--	0.0048	--
Sodium, in milligrams per liter	2006-2010	6	0	2.5	2.8	5.3	09/29/10	2.5	5.1	--	--	.	--	0.0050	--
Sodium, in milligrams per liter	2011	2	0	1.7	3.1	4.5	09/29/11	1.7	4.5	--	--	.	--	0.087	--
Sodium, unfiltered, in milligrams per liter	2006-2010	6	0	2.12	2.83	5.32	09/29/10	2.15	5.20	--	--	--	--	0.0050	--
Sodium, unfiltered, in milligrams per liter	2011	2	0	1.75	3.17	4.59	09/29/11	1.75	4.59	--	--	--	--	0.087	--
Acid neutralizing capacity, unfiltered, in milligrams per liter	2006-2010	5	0	1.10	34.8	44.4	08/24/06	1.10	44.4	--	--	--	--	0.10	--
Alkalinity, water, fixed endpoint, in milligrams per liter	2010	2	0	0.900	5.60	10.3	09/29/10	0.900	10.3	--	--	--	--	0.10	--
Alkalinity, water, fixed endpoint, in milligrams per liter	2011	2	1	0 *	0.050	0.100	09/29/11	0 *	0.100	--	--	--	--	0.10	--
Alkalinity, Gran titration, in milligrams per liter	2010	2	0	-0.60	4.15	8.90	09/29/10	-0.60	8.90	--	--	--	--	0.10	--
Alkalinity, Gran titration, in milligrams per liter	2011	2	1	-7.80	-3.90	0 *	06/08/11	-7.80	0 *	--	--	--	--	--	--
Bicarbonate, Gran titration, in milligrams per liter	2010	2	0	0.300	5.55	10.8	09/29/10	0.300	10.8	--	--	--	--	0.10	--
Bicarbonate, Gran titration, in milligrams per liter	2011	2	1	0 *	0.050	0.100	09/29/11	0 *	0.100	--	--	--	--	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	1	0 *	0.17	0.35	09/29/10	0.006	0.34	250	0	.	--	0.12	L
Chloride, in milligrams per liter	2011-2012	3	0	0.12	0.18	0.26	06/08/11	0.12	0.26	250	0	.	--	0.060	L
Silica, in milligrams per liter	2006-2010	6	0	4.6	8.7	16.9	09/29/10	4.7	16.8	--	--	.	--	0.044	--
Silica, in milligrams per liter	2011	2	0	12.8	18.0	23.2	09/29/11	12.8	23.2	--	--	.	--	0.026	--
Silica, unfiltered, in micrograms per liter	2006-2010	6	0	5.26	6.23	17.0	09/29/10	5.29	16.9	--	--	--	--	0.044	--
Silica, unfiltered, in micrograms per liter	2011	2	0	12.6	17.9	23.2	09/29/11	12.6	23.2	--	--	--	--	0.026	--
Sulfate, in milligrams per liter	2006-2010	6	0	3.1	35.9	126	09/29/10	3.7	123	250	0	.	--	0.053	L
Sulfate, in milligrams per liter	2011-2012	3	0	65.7	215	268	05/29/12	65.7	268	250	1	.	--	0.090	H
Sulfate, unfiltered, in milligrams per liter	2010	2	0	59.1	93.5	128	09/29/10	59.1	128	--	--	--	--	0.053	--
Sulfate, unfiltered, in milligrams per liter	2011	2	0	62.9	139	215	09/29/11	62.9	215	--	--	--	--	0.036	--
Dissolved solids, sum of constituents, in milligrams per liter	2006-2010	6	1	0 *	80.4	206	09/29/10	3.9	201	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2011	2	1	0 *	161	322	09/29/11	0 *	322	--	--	.	--	--	--
Aluminum, in micrograms per liter	2006-2010	6	0	27.0	90.0	341	06/11/10	27.3	340	246	2	1,720	0	2.0	H
Aluminum, in micrograms per liter	2011	2	0	698	761	824	06/08/11	698	824	246	2	1,720	0	0.53	H
Aluminum, unfiltered, in micrograms per liter	2006-2010	6	0	57.9	224	310	06/06/06	58.0	309	246	3	1,720	0	2.0	H
Aluminum, unfiltered, in micrograms per liter	2011	2	0	701	767	833	06/08/11	701	833	246	2	1,720	0	0.53	H
Antimony, in micrograms per liter	2011	1	1	0 *	0 *	0 *	09/29/11	0 *	0 *	5.60	0	--	--	0.018	L
Arsenic, in micrograms per liter	2006-2010	6	0	0.14	2.7	8.0	08/24/06	0.15	7.9	10.0	0	340	0	0.0050	M
Arsenic, in micrograms per liter	2011	2	1	0 *	0.16	0.31	06/08/11	0 *	0.31	10.0	0	340	0	0.12	L
Arsenic, unfiltered, in micrograms per liter	2006-2010	6	0	0.15	3.1	9.0	08/24/06	0.16	9.0	10.0	0	.	--	0.0050	M
Arsenic, unfiltered, in micrograms per liter	2011	2	0	0.18	0.27	0.36	06/08/11	0.18	0.36	10.0	0	.	--	0.12	L
Barium, in micrograms per liter	2006-2010	6	0	18.2	31.1	125	09/29/10	18.3	122	1,000	0	.	--	0.020	L
Barium, in micrograms per liter	2011	2	0	27.7	47.7	67.8	09/29/11	27.7	67.8	1,000	0	.	--	0.073	L
Barium, unfiltered, in micrograms per liter	2006-2010	6	0	21.8	32.4	125	09/29/10	22.0	122	--	--	.	--	0.020	--
Barium, unfiltered, in micrograms per liter	2011	2	0	28.6	48.4	68.2	09/29/11	28.6	68.2	--	--	.	--	0.073	--
Cadmium, in micrograms per liter	2006-2010	6	0	0.028	1.1	12.5	06/11/10	0.030	12.5	0.29	3	1.1	3	0.024	H
Cadmium, in micrograms per liter	2011	2	0	8.3	21.3	34.2	06/08/11	8.3	34.2	0.29	2	1.1	2	0.066	H
Cadmium, unfiltered, in micrograms per liter	2006-2010	6	0	0.072	1.6	12.4	06/11/10	0.072	12.4	--	--	.	--	0.024	--
Cadmium, unfiltered, in micrograms per liter	2011	2	0	8.3	21.5	34.6	06/08/11	8.3	34.6	--	--	.	--	0.066	--
Chromium, in micrograms per liter	2006-2010	6	0	0.029	0.22	1.1	07/12/06	0.030	1.1	--	--	50.0	0	0.0030	--
Chromium, in micrograms per liter	2011	2	0	0.051	0.069	0.087	06/08/11	0.051	0.087	--	--	50.0	0	0.012	--
Chromium, unfiltered, in micrograms per liter	2006-2010	6	0	0.042	0.19	0.88	07/12/06	0.042	0.86	--	--	.	--	0.0030	--
Chromium, unfiltered, in micrograms per liter	2011	2	0	0.093	0.096	0.098	06/08/11	0.093	0.098	--	--	.	--	0.012	--
Cobalt, in micrograms per liter	2006-2010	6	0	0.16	0.63	1.2	06/06/06	0.17	1.2	--	--	.	--	0.037	--
Cobalt, in micrograms per liter	2011	2	0	1.5	2.4	3.2	09/29/11	1.5	3.2	--	--	.	--	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	0.64	1.3	06/06/06	0.19	1.2	--	--	.	--	0.037	--
Cobalt, unfiltered, in micrograms per liter	2011	2	0	1.5	2.3	3.2	09/29/11	1.5	3.2	--	--	.	--	0.0034	--
Copper, in micrograms per liter	2006-2010	6	0	0.43	0.95	3.1	06/06/06	0.43	3.0	5.8	0	8.4	0	0.0020	M
Copper, in micrograms per liter	2011	2	0	4.4	9.4	14.4	06/08/11	4.4	14.4	5.8	1	8.4	1	0.095	H
Copper, unfiltered, in micrograms per liter	2006-2010	6	0	0.65	1.4	5.5	06/06/06	0.66	5.3	--	--	.	--	0.0020	--
Copper, unfiltered, in micrograms per liter	2011	2	0	4.5	9.5	14.5	06/08/11	4.5	14.5	--	--	.	--	0.095	--
Iron, in micrograms per liter	2006-2010	6	0	136	10,477	26,585	08/24/06	223	26,215	300	5	.	--	2.0	H
Iron, in micrograms per liter	2011	2	0	425	1,030	1,634	09/29/11	425	1,634	300	2	.	--	1.4	H
Iron, unfiltered, in micrograms per liter	2006-2010	6	0	230	10,894	29,534	07/12/06	328	29,471	1,000	5	.	--	2.0	H
Iron, unfiltered, in micrograms per liter	2011	2	0	480	1,145	1,811	09/29/11	480	1,811	1,000	1	.	--	1.4	H
Lead, in micrograms per liter	2006-2010	6	0	0.23	1.9	20.5	06/06/06	0.24	19.6	1.5	4	37.2	0	0.029	H
Lead, in micrograms per liter	2011	2	0	19.5	20.0	20.5	09/29/11	19.5	20.5	1.5	2	37.2	0	0.0039	H
Lead, unfiltered, in micrograms per liter	2006-2010	6	0	0.42	4.7	26.7	06/06/06	0.42	26.1	--	--	.	--	0.029	--
Lead, unfiltered, in micrograms per liter	2011	2	0	21.3	21.3	21.4	06/08/11	21.3	21.4	--	--	.	--	0.0039	--
Lithium, in micrograms per liter	2006-2010	6	3	0 *	0.813	2.30	06/11/10	0 *	2.27	--	--	--	--	0.055	--
Lithium, in micrograms per liter	2011	2	0	2.23	2.67	3.11	09/29/11	2.23	3.11	--	--	--	--	0.49	--
Lithium, unfiltered, in micrograms per liter	2006-2010	6	3	0 *	0.825	2.31	09/29/10	0 *	2.30	--	--	--	--	0.055	--
Lithium, unfiltered, in micrograms per liter	2011	2	0	2.18	2.77	3.36	09/29/11	2.18	3.36	--	--	--	--	0.49	--
Manganese, in micrograms per liter	2006-2010	6	0	2,112	3,396	4,867	10/23/06	2,125	4,865	50.0	6	.	--	1.0	H
Manganese, in micrograms per liter	2011	2	0	4,406	9,044	13,682	09/29/11	4,406	13,682	50.0	2	.	--	0.58	H
Manganese, unfiltered, in micrograms per liter	2006-2010	6	0	2,077	3,377	4,978	08/24/06	2,083	4,956	--	--	.	--	1.0	--
Manganese, unfiltered, in micrograms per liter	2011	2	0	4,323	8,938	13,554	09/29/11	4,323	13,554	--	--	.	--	0.58	--
Molybdenum, in micrograms per liter	2006-2010	6	3	0 *	0.053	0.366	08/24/06	0 *	0.362	210	0	--	--	0.57	L
Molybdenum, in micrograms per liter	2011	2	2	0 *	0 *	0 *	06/08/11	0 *	0 *	210	0	--	--	0.053	L
Molybdenum, unfiltered, in micrograms per liter	2006-2010	6	3	0 *	0.053	0.354	08/24/06	0 *	0.349	--	--	--	--	0.57	--
Molybdenum, unfiltered, in micrograms per liter	2011	2	2	0 *	0 *	0 *	06/08/11	0 *	0 *	--	--	--	--	0.053	--
Nickel, in micrograms per liter	2006-2010	6	0	0.20	1.6	4.2	06/11/10	0.21	4.2	34.0	0	306	0	0.070	L
Nickel, in micrograms per liter	2011	2	0	6.1	10.0	14.0	09/29/11	6.1	14.0	34.0	0	306	0	0.019	L
Nickel, unfiltered, in micrograms per liter	2006-2010	6	0	0.20	1.7	4.1	09/29/10	0.21	4.1	--	--	.	--	0.070	--
Nickel, unfiltered, in micrograms per liter	2011	2	0	5.9	9.9	13.9	09/29/11	5.9	13.9	--	--	.	--	0.019	--
Silver, in micrograms per liter	2006-2010	6	0	0.014	0.089	0.27	07/12/06	0.014	0.26	0.032	3	0.86	0	0.0010	H
Silver, in micrograms per liter	2011	2	1	0 *	0.047	0.093	06/08/11	0 *	0.093	0.032	1	0.86	0	0.048	H
Silver, unfiltered, in micrograms per liter	2006-2010	6	0	0.036	0.31	0.41	06/06/06	0.038	0.41	--	--	.	--	0.0010	--
Silver, unfiltered, in micrograms per liter	2011	2	0	0.12	0.26	0.40	06/08/11	0.12	0.40	--	--	.	--	0.048	--
Strontium, in micrograms per liter	2006-2010	6	0	31.3	44.2	151	09/29/10	31.8	146	--	--	--	--	0.0020	--

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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
Strontium, in micrograms per liter	2011	2	0	54.1	124	194	09/29/11	54.1	194	--	--	--	--	0.45	--
Strontium, unfiltered, in micrograms per liter	2006-2010	6	0	31.2	44.7	153	09/29/10	31.7	148	--	--	--	--	0.0020	--
Strontium, unfiltered, in micrograms per liter	2011	2	0	53.3	124	194	09/29/11	53.3	194	--	--	--	--	0.45	--
Vanadium, in micrograms per liter	2006-2010	6	1	0 *	0.105	0.246	08/24/06	0.0009	0.244	--	--	--	--	0.0010	--
Vanadium, in micrograms per liter	2011	2	1	0 *	0.0040	0.0080	06/08/11	0 *	0.0080	--	--	--	--	0.12	--
Vanadium, unfiltered, in micrograms per liter	2006-2010	6	1	0 *	0.132	0.463	07/12/06	0.0016	0.453	--	--	--	--	0.0010	--
Vanadium, unfiltered, in micrograms per liter	2011	2	1	0 *	0.0090	0.018	06/08/11	0 *	0.018	--	--	--	--	0.12	--
Zinc, in micrograms per liter	2006-2010	6	0	11.2	389	2,295	06/11/10	11.4	2,267	81.0	3	93.4	3	0.64	H
Zinc, in micrograms per liter	2011	2	0	2,835	4,172	5,510	06/08/11	2,835	5,510	81.0	2	93.4	2	0.26	H
Zinc, unfiltered, in micrograms per liter	2006-2010	6	0	15.7	398	2,279	06/11/10	15.9	2,238	--	--	.	--	0.64	--
Zinc, unfiltered, in micrograms per liter	2011	2	0	2,831	4,150	5,470	06/08/11	2,831	5,470	--	--	.	--	0.26	--
Uranium (natural), in micrograms per liter	2006-2010	6	1	0 *	0.15	0.30	06/06/06	0.003	0.29	30.0	0	.	--	0.29	L
Uranium (natural), in micrograms per liter	2011	2	0	0.75	1.1	1.4	06/08/11	0.75	1.4	30.0	0	.	--	0.0087	L
Uranium, unfiltered, in micrograms per liter	2006-2010	6	1	0 *	0.184	0.360	06/06/06	0.0036	0.358	--	--	--	--	0.29	--
Uranium, unfiltered, in micrograms per liter	2011	2	0	0.766	1.11	1.46	06/08/11	0.766	1.46	--	--	--	--	0.0087	--