Table 17. Summary of measured constituents and properties for Buckhorn Creek near Masonville, Co., station 06739500
[--, 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]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	2008-2008	9	0	0.83	1.58	26.1	06/12/08	0.98	16.1	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	21	0	0.83	1.88	94.1	05/03/10	0.88	33.1	--	--	--	--	--	--
Turbidity, in NTRU	2008-2008	9	5	0 *	0 *	7.3	06/12/08	0 *	5.5	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	9	0 *	1.4	15.8	05/03/10	0 *	6.6	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2008-2008	9	0	7.6	9.6	11.2	04/09/08	7.9	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	20	0	6.4	9.0	11.2	02/02/10	7.6	10.4	6.0	0	--	--	--	L
pH, in standard units	2008-2008	9	0	7.8	8.2	8.3	04/09/08	7.9	8.3	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.9	8.1	8.4	04/13/09	8.0	8.3	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2008-2008	9	0	165	578	594	02/13/08	255	592	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	153	531	630	11/03/08	220	627	--	--	--	--	--	--
Temperature, Degrees C	2008-2008	9	0	1.7	13.0	18.9	07/09/08	2.5	18.6	17.0	2	--	--	--	H
Temperature, Degrees C	2009-2010	20	0	1.6	11.4	20.1	07/13/10	4.5	17.5	17.0	3	--	--	--	H
Calcium, in milligrams per liter	2008-2008	9	0	19.3	77.1	85.8	03/19/08	31.0	85.2	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	19.0	67.9	86.0	11/03/08	27.6	85.4	--	--	--	--	--	--
Magnesium, in milligrams per liter	2008-2008	9	0	4.46	19.9	21.1	03/19/08	7.30	21.0	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	3.97	18.2	23.4	09/14/10	5.72	22.1	--	--	--	--	--	--
Potassium, in milligrams per liter	2008-2008	9	0	1.20	1.65	1.88	09/10/08	1.33	1.86	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	1.18	1.60	2.93	11/03/08	1.26	1.90	--	--	--	--	--	--
Sodium, in milligrams per liter	2008-2008	9	0	6.70	16.4	19.8	01/07/08	8.88	19.3	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	6.54	15.6	19.7	03/11/09	8.35	17.7	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2008-2008	9	0	63.0	233	256	09/10/08	101	247	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	55.7	214	263	11/03/08	82.0	257	--	--	--	--	--	--
Chloride, in milligrams per liter	2008-2008	9	0	4.13	9.40	11.1	04/09/08	5.07	11.1	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	5.33	9.43	14.5	02/02/10	7.10	12.2	250	0	--	--	--	L
Sulfate, in milligrams per liter	2008-2008	9	0	13.5	58.5	80.0	03/19/08	21.9	79.4	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	12.0	67.6	84.8	01/07/09	17.7	80.3	250	0	--	--	--	L
Residue, in milligrams per liter	2008-2008	9	0	127	375	390	03/19/08	175	386	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	128	365	418	09/14/10	148	403	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2008-2008	9	0	0.135	0.165	0.399	06/12/08	0.142	0.391	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	21	0	0.141	0.217	0.511	05/03/10	0.158	0.385	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2008-2008	9	2	0 *	0.016	0.022	01/07/08	0 *	0.022	1.89	0	4.40	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	21	10	0 *	0.010	0.031	03/11/09	0 *	0.020	1.94	0	4.52	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2008-2008	9	0	0.026	0.214	0.443	09/10/08	0.035	0.427	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	21	0	0.012	0.200	0.754	09/14/10	0.034	0.431	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2008-2008	9	0	0.006	0.010	0.027	08/06/08	0.006	0.025	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	21	0	0.007	0.011	0.021	07/13/10	0.009	0.019	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2008-2008	9	1	0 *	0.010	0.025	08/06/08	0.003	0.025	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	21	0	0.003	0.009	0.033	05/03/10	0.005	0.019	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2008-2008	9	0	0.009	0.017	0.050	08/06/08	0.009	0.047	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	21	0	0.008	0.020	0.056	05/03/10	0.011	0.038	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2008-2008	9	0	2.20	2.60	9.70	06/12/08	2.30	6.40	--	--	--	--	0.5	--

Table 17. Summary of measured constituents and properties for Buckhorn Creek near Masonville, Co., station 06739500
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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	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Organic carbon (total), in milligrams per liter	2009-2010	21	0	2.20	3.20	12.3	05/03/10	2.30	7.52	--	--	--	--	--	--
Arsenic, in micrograms per liter	2008-2008	9	0	0.18	0.30	0.36	08/06/08	0.20	0.35	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.20	0.30	0.42	08/11/09	0.22	0.39	--	--	--	--	--	--
Copper, in micrograms per liter	2008-2008	9	1	0 *	1.06	1.86	06/12/08	0.28	1.65	21.6	0	35.4	0	1	L
Copper, in micrograms per liter	2009-2010	21	5	0 *	0.83	3.10	06/08/10	0 *	1.86	21.6	0	35.4	0	--	L
Iron, in micrograms per liter	2008-2008	9	0	31.7	41.3	118	06/12/08	33.1	109	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	10.3	29.4	336	05/03/10	17.2	136	300	1	--	--	--	L
Lead, in micrograms per liter	2008-2008	9	6	0 *	0 *	0.09	06/12/08	0 *	0.07	7.56	0	194	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	10	0 *	0.02	0.23	05/03/10	0 *	0.08	7.56	0	194	0	--	L
Manganese, in micrograms per liter	2008-2008	9	0	22.1	38.6	78.0	03/19/08	27.4	67.8	2324	0	4206	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	10.9	28.3	62.1	03/10/10	15.5	43.6	2324	0	4206	0	--	L
Mercury, in nanograms per liter	2008-2008	2	0	0.39	0.75	1.11	07/09/08	0.39	1.11	10.0	0	--	--	0.04	L
Mercury, in nanograms per liter	2009-2010	6	0	0.26	1.56	4.78	06/08/10	0.26	4.70	10.0	0	--	--	--	L
Nickel, in micrograms per liter	2008-2008	9	0	0.40	0.53	0.86	06/12/08	0.42	0.83	124	0	1118	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.38	0.78	1.34	11/17/09	0.50	1.03	124	0	1118	0	--	L
Silver, in micrograms per liter	2008-2008	9	9	0 *	0 *	0 *	01/07/08	0 *	0 *	0.44	0	11.9	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	18	0 *	0 *	0.25	05/05/09	0 *	0.00	0.44	0	11.9	0	--	L