Table 13. 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; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, 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	2008-2017	100	0	0.30	3.2	287	05/15/15	0.99	31.9	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	20	0	0.30	4.2	52.1	05/09/18	1.1	32.6	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2008-2017	98	0	6.4	9.0	11.8	02/11/13	7.8	10.4	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	20	0	7.7	9.0	11.4	03/06/19	7.9	10.9	6.0	0	--	--	--	L
pH, in standard units	2008-2017	100	0	7.3	8.1	8.4	04/13/09	7.9	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	20	0	7.7	8.0	8.4	02/08/18	7.8	8.1	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	2019	6	0	7.9	8.2	8.3	04/09/19	7.9	8.3	6.5-9.0	0		--	--	L
Specific conductance, in microsiemens per centimeter	2008-2017	100	0	123	442	703	02/11/13	224	618	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	20	0	150	377	681	11/07/18	188	568	--	--	.	--	--	--
Temperature, Degrees Celsius	2008-2017	99	0	0.8	12.2	21.0	07/08/13	6.1	18.1	--	--	--	--	--	--
Temperature, Degrees Celsius	2018-2019	20	0	1.8	11.3	18.9	08/12/19	3.4	17.3	--	--	--	--	--	--
Temperature, Degrees Celsius April-October	2008-2017	68	0	6.2	13.9	21.0	07/08/13	10.4	18.8	23.9	0	--	--	--	L
Temperature, Degrees Celsius April-October	2018-2019	14	0	7.1	15.2	18.9	08/12/19	8.8	17.8	23.9	0	--	--	--	L
Temperature, Degrees Celsius November-March	2008-2017	31	0	0.8	6.4	11.3	11/03/08	2.7	9.2	13.0	0	--	--	--	L
Temperature, Degrees Celsius November-March	2018-2019	6	0	1.8	3.4	6.2	11/07/17	1.9	6.1	13.0	0	--	--	--	L
Turbidity, in nephlometric turbidity ratio-units	2008-2017	99	47	0 *	1.4	41.6	07/08/13	0 *	8.4	--	--	--	--	--	--
Turbidity, in nephlometric turbidity ratio-units	2018-2019	20	14	0 *	0 *	16.4	05/09/18	0 *	6.2	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2008-2017	100	0	104	287	462	04/08/13	149	400	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	20	0	113	224	465	11/07/18	118	370	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2008-2017	100	0	69.0	254	444	02/11/13	121	369	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	20	0	81.0	210	437	11/07/18	99.7	336	--	--	.	--	--	--
Hardness, in milligrams per liter	2008-2017	100	0	54.1	207	362	11/13/12	95.7	306	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	20	0	62.4	172	354	11/07/18	80.9	278	--	--	.	--	--	--
Calcium, in milligrams per liter	2008-2017	100	0	15.3	59.3	101	11/13/12	28.3	85.8	--	--	.	--	--	--
Calcium, in milligrams per liter	2018-2019	20	0	18.2	49.2	96.5	11/07/18	23.6	76.1	--	--	.	--	--	--
Magnesium, in milligrams per liter	2008-2017	100	0	3.8	14.3	27.1	04/08/13	6.0	22.3	--	--	.	--	--	--
Magnesium, in milligrams per liter	2018-2019	20	0	4.1	12.0	27.4	11/07/18	5.3	21.1	--	--	.	--	--	--
Potassium, in milligrams per liter	2008-2017	100	0	1.2	1.7	2.9	11/03/08	1.4	2.1	--	--	.	--	--	--
Potassium, in milligrams per liter	2018-2019	20	0	1.2	1.5	2.0	11/07/17	1.3	1.9	--	--	.	--	--	--
Sodium, in milligrams per liter	2008-2017	100	0	6.4	15.3	22.7	04/08/13	8.7	18.8	--	--	.	--	--	--
Sodium, in milligrams per liter	2018-2019	20	0	6.4	12.7	19.2	11/07/18	7.2	16.3	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2008-2017	100	0	45.3	184	282	11/13/12	90.0	255	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2018-2019	20	0	58.7	156	250	11/07/18	72.1	212	--	--	.	--	--	--
Chloride, in milligrams per liter	2008-2017	100	0	3.5	10.1	16.6	04/08/13	6.2	13.3	250	0	.	--	--	L
Chloride, in milligrams per liter	2018-2019	20	0	5.3	11.5	14.2	03/06/19	5.9	13.2	250	0	.	--	--	L
Sulfate, in milligrams per liter	2008-2017	100	0	9.4	41.6	137	09/12/16	16.2	77.9	250	0	.	--	--	L

Table 13. 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	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
Sulfate, in milligrams per liter	2018-2019	20	0	9.3	29.4	128	11/07/18	10.6	80.2	250	0	.	--	--	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2008-2017	100	0	0.135	0.253	0.786	07/08/13	0.172	0.411	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2018-2019	20	0	0.109	0.189	0.453	05/09/18	0.139	0.304	--	--	--	--	--	--
Ammonia, in milligrams per liter as N	2008-2017	100	32	0 *	0.012	0.039	07/08/13	0 *	0.020	2.02	0	4.89	0	--	L
Ammonia, in milligrams per liter as N	2018-2019	20	9	0 *	0.011	0.039	07/11/18	0 *	0.021	2.37	0	5.89	0	--	L
Nitrite plus nitrate, in milligrams per liter as N	2008-2017	100	0	0.012	0.166	0.851	07/10/12	0.057	0.361	--	--	10.0	0	--	--
Nitrite plus nitrate, in milligrams per liter as N	2018-2019	20	0	0.018	0.078	0.409	10/10/18	0.020	0.260	--	--	10.0	0	--	--
Orthophosphate, in milligrams per liter as P	2008-2017	100	1	0 *	0.013	0.082	07/08/13	0.009	0.022	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	2018-2019	20	0	0.006	0.012	0.018	03/06/19	0.008	0.016	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2008-2017	100	1	0 *	0.013	0.081	07/08/13	0.007	0.026	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2018-2019	20	0	0.006	0.011	0.027	06/04/18	0.007	0.023	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2008-2017	100	0	0.008	0.025	0.235	07/08/13	0.014	0.055	0.11	2	--	--	--	L
Phosphorus, unfiltered, in milligrams per liter as P	2018-2019	20	0	0.010	0.020	0.069	05/09/18	0.013	0.040	0.11	0	--	--	--	L
Copper, in micrograms per liter	2008-2017	99	17	0 *	1.1	6.8	05/15/12	0 *	2.4	18.2	0	29.4	0	--	L
Copper, in micrograms per liter	2018-2019	20	2	0 *	0.63	2.1	08/08/18	0.41	1.2	18.2	0	29.4	0	--	L
Iron, in micrograms per liter	2008-2017	100	0	10.3	41.3	525	05/11/16	23.1	179	300	6	.	--	--	M
Iron, in micrograms per liter	2018-2019	20	0	16.5	46.1	475	05/09/18	23.3	285	300	3	.	--	--	M
Lead, in micrograms per liter	2008-2017	100	59	0 *	0 *	0.27	05/11/16	0 *	0.083	6.1	0	158	0	--	L
Lead, in micrograms per liter	2018-2019	20	13	0 *	0 *	0.17	05/09/18	0 *	0.095	6.1	0	158	0	--	L
Manganese, in micrograms per liter	2008-2017	100	0	10.9	34.5	148	09/12/16	18.2	55.7	2,176	0	3,939	0	--	L
Manganese, in micrograms per liter	2018-2019	20	0	10.1	24.7	98.2	11/07/18	13.1	61.5	2,176	0	3,939	0	--	L
Mercury, in nanograms per liter	2008-2017	29	0	0.25	1.1	10.8	05/15/15	0.29	5.1	10.0	2	.	--	--	L
Mercury, in nanograms per liter	2018-2019	4	0	0.36	NC	5.3	05/09/18	NC	NC	10.0	0	.	--	--	NC
Nickel, in micrograms per liter	2008-2017	100	0	0.32	0.63	1.3	11/17/09	0.43	0.89	105	0	946	0	--	L
Nickel, in micrograms per liter	2018-2019	20	0	0.24	0.33	0.74	05/09/18	0.26	0.55	105	0	946	0	--	L
Silver, in micrograms per liter	2008-2017	100	95	0 *	0 *	0.25	05/05/09	0 *	0 *	0.31	0	8.5	0	--	L
Silver, in micrograms per liter	2018-2019	20	20	0 *	0 *	0 *	10/10/17	0 *	0 *	0.31	0	8.5	0	--	L
Arsenic, in micrograms per liter	2008-2017	100	0	0.18	0.32	0.79	07/08/13	0.24	0.41	--	--	340	0	--	--
Arsenic, in micrograms per liter	2018-2019	20	0	0.18	0.24	0.34	07/11/18	0.20	0.33	--	--	340	0	--	--
Organic carbon (total), in milligrams per liter	2008-2017	100	0	1.8	3.8	12.3	05/03/10	2.6	8.0	--	--	.	--	--	--
Organic carbon (total), in milligrams per liter	2018-2019	20	0	2.0	3.4	7.9	05/09/18	2.7	6.4	--	--	.	--	--	--