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	2008-2013	60	0	0.30	1.7	94.1	05/03/10	0.85	13.4	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2014-2015	20	0	2.0	11.5	287	05/15/15	5.5	73.4	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2008-2013	58	0	6.4	9.0	11.8	02/11/13	7.6	10.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2014-2015	20	0	7.5	9.3	11.7	02/10/14	8.0	10.2	6.0	0	--	--	--	L
pH, in standard units	2008-2013	60	0	7.8	8.1	8.4	04/13/09	8.0	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2014-2015	20	0	7.3	8.1	8.2	08/12/14	7.7	8.2	6.5-9.0	0		--	--	L
Specific conductance, in microsiemens per centimeter	2008-2013	60	0	153	571	703	02/11/13	322	627	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2014-2015	20	0	137	283	498	09/10/15	173	363	--	--	.	--	--	--
Temperature, Degrees Celsius	2008-2013	59	0	1.6	12.2	21.0	07/08/13	4.5	18.3	--	--	--	--	--	--
Temperature, Degrees Celsius	2014-2015	20	0	0.8	10.0	20.3	08/12/15	6.1	16.4	--	--	--	--	--	--
Temperature, Degrees Celsius April-October	2008-2013	40	0	8.6	14.5	21.0	07/08/13	11.1	18.9	23.9	0	--	--	--	L
Temperature, Degrees Celsius April-October	2014-2015	14	0	6.2	13.3	20.3	08/12/15	8.3	19.2	23.9	0	--	--	--	L
Temperature, Degrees Celsius November-March	2008-2013	19	0	1.6	5.2	11.3	11/03/08	2.6	9.4	13.0	0	--	--	--	L
Temperature, Degrees Celsius November-March	2014-2015	6	0	0.8	6.6	9.4	11/04/14	1.0	9.3	13.0	0	--	--	--	L
Turbidity, in nephlometric turbidity ratio-units	2008-2013	59	33	0 *	0 *	41.6	07/08/13	0 *	6.6	--	--	--	--	2.0	--
Turbidity, in nephlometric turbidity ratio-units	2014-2015	20	4	0 *	3.3	32.6	05/15/15	0 *	19.1	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2008-2013	60	0	127	370	462	04/08/13	199	410	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2014-2015	20	0	110	180	310	09/10/15	120	230	--	--	.	--	--	--
Calcium, in milligrams per liter	2008-2013	60	0	19.0	75.0	101	11/13/12	39.3	87.3	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2014-2015	20	0	16.2	35.7	64.5	09/10/15	21.6	45.7	--	--	.	--	--	--
Magnesium, in milligrams per liter	2008-2013	60	0	4.0	19.5	27.1	04/08/13	9.1	23.4	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2014-2015	20	0	3.9	7.6	16.9	09/10/15	4.8	10.9	--	--	.	--	--	--
Potassium, in milligrams per liter	2008-2013	60	0	1.2	1.8	2.9	11/03/08	1.5	2.2	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2014-2015	20	0	1.4	1.7	2.1	09/10/15	1.5	2.1	--	--	.	--	--	--
Sodium, in milligrams per liter	2008-2013	60	0	6.5	16.5	22.7	04/08/13	11.1	20.2	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2014-2015	20	0	6.4	11.1	16.1	09/10/15	7.7	14.2	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2008-2013	60	0	55.7	229	282	11/13/12	125	259	--	--	.	--	4.6	--
Alkalinity, in milligrams per liter	2014-2015	20	0	48.6	115	210	09/10/15	66.4	153	--	--	.	--	--	--
Chloride, in milligrams per liter	2008-2013	60	0	4.1	11.1	16.6	04/08/13	7.7	14.1	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2014-2015	20	0	3.8	7.7	11.4	02/10/14	5.0	9.9	250	0	.	--	--	L
Sulfate, in milligrams per liter	2008-2013	60	0	12.0	68.0	119	02/11/13	25.3	81.8	250	0	.	--	0.090	L
Sulfate, in milligrams per liter	2014-2015	20	0	10.3	20.9	60.8	09/10/15	11.6	30.2	250	0	.	--	--	L
Ammonia plus organic nitrogen in milligrams per liter	2008-2013	60	0	0.135	0.240	0.786	07/08/13	0.166	0.383	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter	2014-2015	20	0	0.155	0.283	0.764	05/15/15	0.211	0.473	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2008-2013	60	17	0 *	0.015	0.039	07/08/13	0 *	0.021	1.86	0	4.37	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2014-2015	20	8	0 *	0.011	0.024	09/10/15	0 *	0.014	2.47	0	6.32	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
Nitrite plus nitrate nitrogen, in milligrams per liter	2008-2013	60	0	0.012	0.211	0.851	07/10/12	0.051	0.421	--	--	10.0	0	0.010	--
Nitrite plus nitrate nitrogen, in milligrams per liter	2014-2015	20	0	0.049	0.116	0.385	05/15/15	0.063	0.280	--	--	10.0	0	--	--
Orthophosphate, in milligrams per liter	2008-2013	60	1	0 *	0.013	0.082	07/08/13	0.009	0.025	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2014-2015	20	0	0.008	0.016	0.032	07/09/14	0.011	0.023	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2008-2013	60	1	0 *	0.011	0.081	07/08/13	0.006	0.025	--	--	--	--	0.0030	--
Phosphorus, in milligrams per liter	2014-2015	20	0	0.010	0.017	0.043	05/15/15	0.011	0.028	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2008-2013	60	0	0.008	0.024	0.235	07/08/13	0.011	0.049	0.11	1	--	--	0.0040	L
Phosphorus (total), in milligrams per liter	2014-2015	20	0	0.017	0.028	0.118	05/15/15	0.019	0.069	0.11	1	--	--	--	L
Copper, in micrograms per liter	2008-2013	60	9	0 *	1.1	6.8	05/15/12	0.076	2.8	18.6	0	30.1	0	0.80	L
Copper, in micrograms per liter	2014-2015	20	5	0 *	1.3	5.5	05/15/15	0 *	3.5	18.6	0	30.1	0	--	L
Iron, in micrograms per liter	2008-2013	60	0	10.3	30.6	336	05/03/10	20.7	87.2	300	2	.	--	4.0	L
Iron, in micrograms per liter	2014-2015	20	0	36.2	146	393	05/15/15	50.7	241	300	1	.	--	--	M
Lead, in micrograms per liter	2008-2013	60	34	0 *	0 *	0.23	05/03/10	0 *	0.081	6.3	0	162	0	0.025	L
Lead, in micrograms per liter	2014-2015	20	10	0 *	0.024	0.26	05/15/15	0 *	0.12	6.3	0	162	0	--	L
Manganese, in micrograms per liter	2008-2013	60	0	10.9	36.3	109	07/10/12	19.9	58.2	2,194	0	3,972	0	0.15	L
Manganese, in micrograms per liter	2014-2015	20	0	15.7	33.4	88.8	09/10/15	16.9	49.6	2,194	0	3,972	0	--	L
Mercury, in nanograms per liter	2008-2013	17	0	0.25	0.82	5.8	05/14/13	0.27	4.9	10.0	0	.	--	0.040	L
Mercury, in nanograms per liter	2014-2015	6	0	0.76	2.6	10.8	05/15/15	0.80	10.5	10.0	1	.	--	--	L
Nickel, in micrograms per liter	2008-2013	60	0	0.37	0.60	1.3	11/17/09	0.44	0.83	107	0	966	0	0.090	L
Nickel, in micrograms per liter	2014-2015	20	0	0.51	0.82	1.2	03/11/15	0.63	0.98	107	0	966	0	--	L
Silver, in micrograms per liter	2008-2013	60	55	0 *	0 *	0.25	05/05/09	0 *	0 *	0.33	0	8.9	0	0.0050	L
Silver, in micrograms per liter	2014-2015	20	20	0 *	0 *	0 *	10/22/13	0 *	0 *	0.33	0	8.9	0	--	L
Arsenic, in micrograms per liter	2008-2013	60	0	0.18	0.32	0.79	07/08/13	0.24	0.41	--	--	340	0	0.040	--
Arsenic, in micrograms per liter	2014-2015	20	0	0.19	0.31	0.50	07/09/14	0.24	0.43	--	--	340	0	--	--
Organic carbon (total), in milligrams per liter	2008-2013	60	0	1.8	3.1	12.3	05/03/10	2.4	6.3	--	--	.	--	0.50	--
Organic carbon (total), in milligrams per liter	2014-2015	20	0	3.3	5.8	11.6	05/15/15	4.1	9.3	--	--	.	--	--	--