

Table 5. Summary of measured constituents and properties for Tongue Creek at Cory, CO, station 09144200

[--, 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	1998-2017	40	0	2.0	31.8	321	05/19/15	10.3	65.0	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	0.27	24.2	46.9	03/13/19	1.6	43.1	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1995-2017	33	0	7.1	9.6	12.3	12/09/13	8.3	11.7	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	8.3	9.9	12.0	12/11/18	8.5	11.4	6.0	0	--	--	--	L
pH, in standard units	1995-2017	41	0	8.1	8.3	8.7	03/22/95	8.1	8.5	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	8.1	8.3	8.5	07/23/19	8.1	8.5	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1995-2015	7	0	7.9	8.1	8.4	03/15/00	7.9	8.4	6.5-9.0	0	--	--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2015	8	0	549	1,279	1,530	07/20/99	594	1,516	--	--	.	--	5.0	--
Specific conductance, laboratory, in microsiemens per centimeter	2018	1	0	1,415	NC	1,415	02/06/18	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1995-2017	41	0	485	1,356	2,419	08/21/12	833	1,885	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	7	0	816	1,700	2,655	09/17/18	914	2,558	--	--	.	--	--	--
Temperature, water, degrees Celsius	1995-2017	41	0	0.0	11.7	29.0	07/15/13	4.2	20.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	4.0	10.2	23.6	09/17/18	4.6	22.9	--	--	--	--	--	--
Temperature, water, degrees Celsius April-October	1998-2017	26	0	8.8	16.2	29.0	07/15/13	11.0	22.4	23.9	1	--	--	--	L
Temperature, water, degrees Celsius April-October	2018-2019	5	0	8.1	NC	23.6	09/17/18	NC	NC	23.9	0	--	--	--	NC
Temperature, water, degrees Celsius November-March	1995-2017	15	0	0.0	5.7	9.6	03/23/11	2.4	9.1	13.0	0	--	--	--	L
Temperature, water, degrees Celsius November-March	2018-2019	3	0	4.0	NC	6.0	03/13/19	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2013-2017	19	0	9.9	23.1	1426	05/19/15	14.3	168.0	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	8	0	6.0	39.7	8960	03/13/19	8.2	5865	--	--	--	--	2.0	--
Residue, in milligrams per liter	1995-1998	2	0	465	NC	540	03/22/95	NC	NC	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1995-1998	2	0	465	NC	540	03/22/95	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2017	38	0	320	969	1,999	08/21/12	519	1,421	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	559	1,268	2,225	09/17/18	704	2,057	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2017	38	0	206	626	1,234	08/21/12	340	871	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	356	817	1,353	09/17/18	452	1,271	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2017	38	0	45.6	132	261	08/21/12	75.9	191	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	76.4	168	285	09/17/18	97.9	265	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2017	38	0	22.4	72.6	141	08/21/12	36.9	97.3	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	40.2	94.3	156	09/17/18	50.3	148	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2017	38	0	3.3	7.6	15.9	08/21/12	4.8	10.4	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	4.3	9.0	18.1	09/17/18	5.5	16.9	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-2017	38	0	26.1	77.6	181	08/21/12	44.6	117	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	45.6	101	192	09/17/18	55.2	190	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1998	2	0	163	NC	191	03/22/95	NC	NC	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2012	5	0	272	NC	325	07/20/99	NC	NC	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1998-2017	33	0	124	308	415	08/21/12	194	371	--	--	.	--	--	--

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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
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	187	342	406	09/17/18	211	396	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1998-2017	33	0	149	365	497	08/21/12	232	442	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	222	407	483	09/17/18	251	472	--	--	.	--	--	--
Carbonate, in milligrams per liter	2010-2017	32	0	0.40	4.4	8.1	07/20/16	2.3	6.2	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	2.8	4.6	6.0	09/17/18	3.0	5.9	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2017	38	0	2.5	6.6	14.9	07/15/13	4.0	8.8	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	4.7	8.2	16.7	03/13/19	5.3	16.6	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-2017	38	0	0.20	0.51	0.61	11/15/16	0.30	0.58	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	8	0	0.28	0.53	0.56	10/11/17	0.35	0.56	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1995-2017	38	0	18.7	30.8	36.7	11/15/16	24.0	35.2	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	20.6	33.4	34.6	04/16/18	21.2	34.5	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-2017	38	0	127	470	1,107	08/21/12	218	735	250	32	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	8	0	252	633	1,280	09/17/18	324	1,174	250	8	.	--	0.020	H
Ammonia plus organic nitrogen, in milligrams per liter as N	1995-1998	3	0	0.268	NC	0.532	05/19/98	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	1995-2017	25	0	0.259	0.510	4.69	05/19/15	0.361	0.770	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.286	0.560	7.56	03/13/19	0.327	5.19	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1995-2017	25	8	0 *	0.015	0.088	05/19/15	0 *	0.030	1.30	0	3.13	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	8	3	0 *	0.012	0.054	03/13/19	0 *	0.043	1.43	0	3.34	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	25	0	0.013	0.209	2.45	05/19/98	0.027	0.498	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	8	0	0.035	0.216	2.14	03/13/19	0.050	1.64	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1995-2017	25	7	0 *	0.002	0.053	07/15/13	0 *	0.005	--	--	0.05	1	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	8	0	0.001	0.003	0.024	03/13/19	0.001	0.017	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1995-2017	25	0	0.018	0.027	0.133	05/19/98	0.019	0.062	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	0	0.011	0.033	0.085	07/23/19	0.012	0.078	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-1998	3	0	0.030	NC	0.125	05/19/98	NC	NC	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter as P	1995-2017	25	0	0.047	0.097	2.39	05/19/15	0.056	0.330	0.11	10	--	--	0.0040	M
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.032	0.095	5.15	03/13/19	0.035	3.44	0.11	3	--	--	0.0040	M
Iron, in micrograms per liter	1995-1998	2	1	0 *	NC	54.0	03/22/95	NC	NC	300	0	.	--	--	NC
Manganese, in micrograms per liter	1995-1998	2	0	22.0	NC	38.0	03/22/95	NC	NC	2,618	0	4,738	0	--	NC
Selenium, in micrograms per liter	1999-2017	39	0	1.6	4.3	12.7	07/15/13	2.9	5.9	4.6	15	18.4	0	0.050	H
Selenium, in micrograms per liter	2018-2019	8	0	2.6	5.8	16.6	03/13/19	3.1	14.4	4.6	6	18.4	0	0.050	H
Selenium (total), in micrograms per liter	2015	1	0	2.5	NC	2.5	05/19/15	NC	NC	--	--	.	--	0.10	--
Organic carbon, in milligrams per liter	1998	1	0	4.3	NC	4.3	05/18/98	NC	NC	--	--	.	--	--	--
Suspended sediment, in milligrams per liter	1998-2017	20	0	21	89	2,420	05/19/15	27	354	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	9	72	6,030	03/13/19	15	4,000	--	--	--	--	1.0	--