

Table 5. Summary of measured constituents and properties for Slate River above Baxter Gulch at Hwy 135 near Crested Butte, station 385106106571000

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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
Instantaneous discharge, in cubic feet per second	1995-2010	25	0	10.7	30.0	1,210	05/22/08	14.8	333	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2019	5	0	13.1	NC	765	06/05/19	NC	NC	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1995-2010	25	0	7.6	9.0	10.4	11/20/08	8.2	10.3	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2019	5	0	8.1	NC	9.7	02/25/19	NC	NC	6.0	0	--	--	--	NC
pH, in standard units	1995-2010	25	0	6.9	7.6	8.3	10/14/09	7.2	8.1	6.5-9.0	0	--	--	--	L
pH, in standard units	2019	5	0	7.5	NC	8.3	09/03/19	NC	NC	6.5-9.0	0	--	--	--	NC
Specific conductance, in microsiemens per centimeter	1995-2010	25	0	83.0	195	241	03/18/08	105	226	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2019	5	0	90.0	NC	226	02/25/19	NC	NC	--	--	.	--	--	--
Temperature, degrees Celsius	1995-2010	25	0	0.0	5.0	15.8	08/16/07	0.1	14.2	--	--	--	--	--	--
Temperature, degrees Celsius	2019	5	0	0.0	NC	16.2	09/03/19	NC	NC	--	--	--	--	--	--
Temperature, degrees Celsius June 1 - Oct 15	2007-2010	10	0	5.0	11.5	15.8	08/16/07	5.7	15.4	21.7	0	--	--	--	L
Temperature, degrees Celsius June 1 - Oct 15	2019	3	0	4.4	NC	16.2	09/03/19	NC	NC	21.7	0	--	--	--	NC
Temperature, degrees Celsius Oct 16 - May 31	1995-2010	15	0	0.0	0.4	8.7	04/29/09	0.0	6.5	13.0	0	--	--	--	L
Temperature, degrees Celsius Oct 16 - May 31	2019	2	0	0.0	NC	6.7	04/22/19	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2019	3	1	0 *	NC	13.4	06/05/19	NC	NC	--	--	--	--	2.0	--
Residue, in milligrams per liter	1995-1997	2	0	117	NC	131	03/25/95	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-1997	2	0	112	NC	127	03/25/95	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2019	3	0	51.4	NC	105	04/22/19	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2010	25	0	35.8	80.2	102	03/18/08	43.5	93.2	--	--	.	--	--	--
Hardness, in milligrams per liter	2019	5	0	38.5	NC	96.3	02/25/19	NC	NC	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2010	25	0	11.6	26.0	32.7	03/18/08	14.5	30.0	--	--	.	--	0.044	--
Calcium, in milligrams per liter	2019	5	0	12.6	NC	31.6	02/25/19	NC	NC	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2010	25	0	1.3	3.7	4.9	03/18/08	1.8	4.3	--	--	.	--	0.016	--
Magnesium, in milligrams per liter	2019	5	0	1.7	NC	4.2	02/25/19	NC	NC	--	--	.	--	0.010	--
Potassium, in milligrams per liter	1995-1997	2	0	0.90	NC	0.90	03/25/95	NC	NC	--	--	.	--	--	--
Potassium, in milligrams per liter	2019	3	0	0.57	NC	0.96	04/22/19	NC	NC	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-1997	2	0	5.9	NC	6.3	12/28/96	NC	NC	--	--	.	--	--	--
Sodium, in milligrams per liter	2019	3	0	1.9	NC	4.5	04/22/19	NC	NC	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1997	2	0	55.0	NC	61.0	03/25/95	NC	NC	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	1997	1	0	51.0	NC	51.0	12/28/96	NC	NC	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2019	3	0	27.1	NC	51.2	04/22/19	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1997	1	0	62.0	NC	62.0	12/28/96	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2019	3	0	32.9	NC	62.2	04/22/19	NC	NC	--	--	.	--	--	--
Carbonate, in milligrams per liter	2019	3	1	0 *	NC	0.20	09/03/19	NC	NC	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-1997	2	0	2.1	NC	3.4	03/25/95	NC	NC	250	0	.	--	--	NC
Chloride, in milligrams per liter	2019	3	0	1.0	NC	3.9	04/22/19	NC	NC	250	0	.	--	0.020	NC

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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
Fluoride, in milligrams per liter	1995-1997	2	0	0.30	NC	0.40	12/28/96	NC	NC	--	--	.	--	--	--
Fluoride, in milligrams per liter	2019	3	0	0.094	NC	0.18	04/22/19	NC	NC	--	--	.	--	0.010	--
Silica, in milligrams per liter	1995-1997	2	0	6.4	NC	6.7	03/25/95	NC	NC	--	--	.	--	--	--
Silica, in milligrams per liter	2019	3	0	6.0	NC	6.9	04/22/19	NC	NC	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-1997	2	0	34.0	NC	36.0	03/25/95	NC	NC	250	0	.	--	--	NC
Sulfate, in milligrams per liter	2019	3	0	10.8	NC	30.7	09/03/19	NC	NC	250	0	.	--	0.020	NC
Ammonia plus organic nitrogen in milligrams per liter as N	1995-2010	25	2	0 *	0.118	0.385	04/29/09	0.080	0.220	--	--	--	--	0.10	--
Ammonia plus organic nitrogen in milligrams per liter as N	2019	5	1	0 *	NC	0.317	02/25/19	NC	NC	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1995-2010	25	11	0 *	0.011	0.200	01/06/10	0 *	0.044	3.72	0	11.4	0	0.020	L
Ammonia, in milligrams per liter as N	2019	5	3	0 *	NC	0.158	02/25/19	NC	NC	3.07	0	8.49	0	0.010	NC
Nitrite plus nitrate in milligrams per liter as N	1995-2010	25	0	0.037	0.142	0.390	03/25/95	0.059	0.251	--	--	10.0	0	0.016	--
Nitrite plus nitrate in milligrams per liter as N	2019	5	0	0.064	NC	0.525	02/25/19	NC	NC	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1995-2010	25	11	0 *	0.002	0.005	03/18/08	0 *	0.003	--	--	0.05	0	0.0020	--
Nitrite, in milligrams per liter as N	2019	5	2	0 *	NC	0.004	02/25/19	NC	NC	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1995-2010	25	2	0 *	0.013	0.148	03/08/07	0.005	0.048	--	--	--	--	0.0080	--
Orthophosphate, in milligrams per liter as P	2019	5	1	0 *	NC	0.010	02/25/19	NC	NC	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-1997	2	0	0.020	NC	0.030	03/25/95	NC	NC	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter as P	1995-2010	25	0	0.011	0.039	0.102	03/04/10	0.018	0.079	--	--	--	--	0.0080	--
Phosphorus (total), in milligrams per liter as P	2019	5	0	0.018	NC	0.067	04/22/19	NC	NC	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , in colonies per 100 milliliters	2007-2010	21	5	1	5	140	08/17/10	--	6 **	126	1	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2019	4	0	1	NC	24	06/05/19	--	NC**	126	0	--	--	1	NC
Biomass periphyton, ashfree drymass, in grams per square meter	1997-2010	5	1	0 *	NC	22.3	09/21/09	NC	NC	--	--	--	--	0.10	--
Biomass periphyton, ashfree drymass, in grams per square meter	2019	1	0	2.50	NC	2.50	09/03/19	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, ash weight, in grams per square meter	1997-2010	5	0	19.9	NC	508	09/21/09	NC	NC	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2019	1	0	55.3	NC	55.3	09/03/19	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, dry weight, in grams per square meter	1997-2010	5	0	20.4	NC	531	09/21/09	NC	NC	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2019	1	0	57.7	NC	57.7	09/03/19	NC	NC	--	--	--	--	0.70	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	1997-2010	5	0	0.200	NC	31.2	09/21/09	NC	NC	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2019	1	0	7.22	NC	7.22	09/03/19	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2007-2010	4	0	2.24	NC	12.6	09/21/09	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2019	1	0	0.670	NC	0.670	09/03/19	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	2019	5	1	0 *	NC	99.3	06/05/19	NC	NC	--	--	.	--	3.0	--
Aluminum (total), in micrograms per liter	2019	5	0	38.5	NC	963	06/05/19	NC	NC	335	2	2,346	0	3.0	NC
Cadmium, in micrograms per liter	2019	5	0	0.091	NC	0.36	04/22/19	NC	NC	0.58	0	1.4	0	0.030	NC
Copper, in micrograms per liter	2019	5	0	0.54	NC	1.8	04/22/19	NC	NC	7.1	0	10.4	0	0.40	NC
Iron, in micrograms per liter	1995-1997	2	0	25.0	NC	37.0	03/25/95	NC	NC	300	0	.	--	--	NC

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Iron, in micrograms per liter	2019	5	0	21.3	NC	93.0	04/22/19	NC	NC	300	0	.	--	10.0	NC
Lead, in micrograms per liter	2019	5	0	0.025	NC	0.39	08/05/19	NC	NC	1.9	0	47.8	0	0.020	NC
Manganese, in micrograms per liter	1995-1997	2	0	54.0	NC	84.0	03/25/95	NC	NC	1,505	0	2,724	0	--	NC
Manganese, in micrograms per liter	2019	5	0	18.4	NC	75.1	02/25/19	NC	NC	1,505	0	2,724	0	0.40	NC
Silver, in micrograms per liter	2019	5	5	0 *	NC	0 *	02/25/19	NC	NC	0.047	0	1.3	0	1.0	NC
Zinc, in micrograms per liter	2019	5	0	7.5	NC	69.9	04/22/19	NC	NC	94.3	0	125	0	2.0	NC
Organic carbon, in milligrams per liter	1997	1	0	1.0	NC	1.0	12/28/96	NC	NC	--	--	.	--	--	--
Suspended sediment, in milligrams per liter	2019	3	0	2	NC	40	06/05/19	NC	NC	--	--	--	--	1.0	--