

Table 4. Summary of measured constituents and properties for Gunnison River near Cory, CO, station 09137500

[--, 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	2011-2017	27	0	416	852	8,520	06/12/14	547	2,292	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	436	759	2,406	07/25/19	436	1,971	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2012-2017	26	0	7.6	10.6	13.0	12/09/15	8.9	12.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	9.0	10.6	13.1	02/05/18	9.1	12.8	6.0	0	--	--	--	L
pH, in standard units	2011-2017	27	0	8.0	8.4	8.7	05/23/12	8.1	8.6	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	8.1	8.2	8.7	02/05/18	8.1	8.6	6.5-9.0	0	--	--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	2013-2015	5	0	420	NC	732	10/28/14	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	2011-2017	25	0	250	534	714	11/14/12	347	672	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	295	500	884	03/14/19	343	774	--	--	.	--	--	--
Temperature, water, degrees Celsius	2012-2017	26	0	0.0	10.1	18.8	08/13/13	3.0	17.1	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	2.9	7.8	15.6	09/18/18	3.1	15.5	--	--	--	--	--	--
Temperature, water, degrees Celsius April-October	2012-2017	15	0	9.3	15.6	18.8	08/13/13	10.0	18.1	23.9	0	--	--	--	L
Temperature, water, degrees Celsius April-October	2018-2019	5	0	7.2	NC	15.6	09/18/18	NC	NC	23.9	0	--	--	--	NC
Temperature, water, degrees Celsius November-March	2012-2017	11	0	0.0	4.0	7.9	11/15/16	2.0	6.1	13.0	0	--	--	--	L
Temperature, water, degrees Celsius November-March	2018-2019	3	0	2.9	NC	5.6	02/05/18	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2013-2017	19	0	3.1	19.4	1207	07/18/13	4.3	64.5	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	8	0	2.4	12.5	226.0	03/14/19	2.7	177.3	--	--	--	--	2.0	--
Dissolved solids, sum of constituents, in milligrams per liter	2011-2017	27	0	152	347	508	12/10/13	227	472	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	182	322	611	03/14/19	213	529	--	--	.	--	--	--
Hardness, in milligrams per liter	2011-2017	27	0	104	225	317	11/14/12	156	298	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	120	207	333	03/14/19	140	298	--	--	.	--	--	--
Calcium, in milligrams per liter	2011-2017	27	0	28.3	57.3	78.6	11/14/12	40.0	73.7	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	33.0	52.7	74.7	03/14/19	37.2	68.6	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2011-2017	27	0	7.7	19.9	29.3	11/14/12	13.5	28.3	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	9.2	18.7	35.5	03/14/19	11.5	30.7	--	--	.	--	0.011	--
Potassium, in milligrams per liter	2011-2017	27	0	1.4	2.7	3.6	10/25/12	1.9	3.2	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	1.7	2.6	3.7	03/14/19	1.9	3.5	--	--	.	--	0.30	--
Sodium, in milligrams per liter	2011-2017	27	0	7.7	27.4	46.6	12/10/13	15.6	38.4	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	11.7	25.4	68.2	03/14/19	15.5	56.3	--	--	.	--	0.40	--
Alkalinity, inflection-point titration, in milligrams per liter	2011-2017	27	0	69.3	118	146	12/10/13	80.6	136	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	71.4	115	131	12/11/18	83.5	131	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2011-2017	27	0	83.7	141	176	12/10/13	97.0	161	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	85.9	137	158	12/11/18	100	157	--	--	.	--	--	--
Carbonate, in milligrams per liter	2011-2017	27	0	0.30	1.3	3.2	09/29/11	0.60	2.1	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	0.50	1.1	2.6	02/05/18	0.61	2.2	--	--	.	--	--	--
Chloride, in milligrams per liter	2011-2017	27	0	1.8	5.3	8.9	10/25/12	3.4	7.8	250	0	.	--	0.020	L

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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
Chloride, in milligrams per liter	2018-2019	8	0	2.8	5.9	11.1	03/14/19	3.4	10.2	250	0	.	--	0.020	L
Fluoride in milligrams per liter	2011-2017	27	0	0.12	0.25	0.32	10/28/14	0.17	0.28	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	8	0	0.18	0.22	0.26	12/11/18	0.18	0.25	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	2011-2017	27	0	8.3	12.5	17.0	06/14/16	10.0	14.0	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	10.2	11.4	14.0	10/10/17	10.2	13.9	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	2011-2017	27	0	42.5	154	246	12/10/13	82.1	222	250	0	.	--	0.020	M
Sulfate, in milligrams per liter	2018-2019	8	0	66.5	139	328	03/14/19	80.4	270	250	1	.	--	0.020	H
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2012-2017	24	0	0.154	0.251	1.56	07/18/13	0.186	0.387	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.157	0.277	0.725	03/14/19	0.157	0.633	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	2012-2017	24	19	0 *	0 *	0.022	12/10/13	0 *	0.012	1.44	0	3.15	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	8	6	0 *	0 *	0.025	03/14/19	0 *	0.023	1.57	0	3.37	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	2012-2017	24	0	0.058	0.103	0.562	07/18/13	0.064	0.194	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	8	0	0.048	0.121	0.260	03/14/19	0.050	0.217	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	2012-2017	24	8	0 *	0.001	0.012	07/18/13	0 *	0.002	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	8	2	0 *	0.002	0.005	03/14/19	0 *	0.004	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	2012-2017	24	8	0 *	0.006	0.020	06/14/16	0 *	0.011	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	2	0 *	0.008	0.017	04/17/18	0 *	0.016	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2012-2017	24	0	0.008	0.044	1.34	07/18/13	0.013	0.117	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.012	0.052	0.285	03/14/19	0.013	0.252	--	--	--	--	0.0040	--
Selenium, in micrograms per liter	2011-2017	27	0	0.38	1.8	5.7	07/18/13	0.96	2.8	4.6	1	18.4	0	0.050	M
Selenium, in micrograms per liter	2018-2019	8	0	0.55	1.5	5.7	03/14/19	0.79	4.4	4.6	1	18.4	0	0.050	M
Selenium (total), in micrograms per liter	2014-2015	2	0	1.7	NC	1.7	02/18/15	NC	NC	--	--	.	--	0.10	--
Suspended sediment, in milligrams per liter	2013-2017	19	0	3	41	1,120	07/18/13	5	151	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	3	24	245	03/14/19	4	215	--	--	--	--	1.0	--