

Table 10. Summary of measured constituents and properties for Gunnison River near Gunnison, station 09114500

[--, 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; **, Geometric mean; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli*, 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	1994-2017	215	0	92.0	430	5,580	06/19/95	221	1,738	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	175	342	3,480	06/06/19	213	1,323	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1995-2017	135	0	7.4	9.5	13.4	02/10/05	8.3	11.4	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	7.8	9.2	12.0	02/27/19	8.1	11.6	6.0	0	--	--	--	L
pH, in standard units	1995-2017	135	0	7.6	8.3	8.8	03/05/07	8.0	8.6	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	12	0	7.6	8.2	8.7	03/12/18	8.0	8.4	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	1994-2017	215	0	137	213	330	06/17/03	177	239	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	163	212	276	10/24/18	188	263	--	--	.	--	--	--
Temperature, degrees Celsius	1994-2017	215	0	-0.2	7.6	18.1	08/29/13	0.4	13.5	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	12	0	0.0	7.4	12.6	07/18/18	0.0	12.5	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1994-2017	149	0	2.5	10.1	18.1	08/29/13	5.4	14.3	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2018-2019	8	0	6.7	10.2	12.6	07/18/18	6.9	12.6	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1994-2017	66	0	-0.2	0.5	6.6	03/27/97	0.0	4.4	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2018-2019	4	0	0.0	NC	6.1	03/12/18	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2002	1	0	5.3	NC	5.3	08/07/02	NC	NC	--	--	--	--	--	--
Residue, in milligrams per liter	1995-2012	16	0	82.0	126	159	08/03/12	91.2	149	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2012	17	0	78.3	116	132	12/08/95	89.6	128	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2012	24	0	64.8	90.7	115	12/08/95	74.2	108	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2012	24	0	20.0	27.0	34.0	12/08/95	22.7	32.1	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2012	24	0	3.6	5.9	7.3	12/08/95	4.3	6.8	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2012	17	0	0.60	0.90	1.8	04/02/96	0.69	1.1	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1995-2012	17	0	1.7	3.0	3.9	04/19/95	2.1	3.5	--	--	.	--	0.060	--
Acid neutralizing capacity, in milligrams per liter	1995-1996	13	0	62.0	87.0	102	12/08/95	69.1	102	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2012	4	0	78.0	NC	104	08/07/02	NC	NC	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1998	1	0	90.0	NC	90.0	11/20/97	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1998	1	0	110	NC	110	11/20/97	NC	NC	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2012	17	0	0.20	0.60	1.8	03/13/12	0.40	1.3	250	0	.	--	0.060	L
Fluoride, in milligrams per liter	1995-2012	16	5	0 *	0.10	0.20	10/27/95	0 *	0.20	--	--	.	--	0.040	--
Silica, in milligrams per liter	1995-2012	17	0	7.4	8.6	9.7	07/19/96	7.6	9.4	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	1995-2012	17	0	7.3	13.0	17.3	03/13/12	8.8	16.3	250	0	.	--	0.090	L
Ammonia plus organic nitrogen in milligrams per liter as N	1995-2017	134	23	0 *	0.137	0.516	05/19/08	0 *	0.230	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter as N	2018-2019	12	1	0 *	0.133	0.451	06/06/19	0.071	0.440	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1995-2017	134	104	0 *	0 *	0.051	06/04/98	0 *	0.007	1.63	0	3.58	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	12	11	0 *	0 *	0.017	08/08/19	0 *	0.0008	2.00	0	4.59	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	134	43	0 *	0.016	0.146	06/03/99	0 *	0.059	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	12	5	0 *	0.017	0.199	04/25/19	0 *	0.067	--	--	10.0	0	0.010	--

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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	Level of concern	LRL
Nitrite, in milligrams per liter as N	1995-2017	134	99	0 *	0 *	0.011	06/04/98	0 *	0.001	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	12	10	0 *	0 *	0.003	09/05/19	0 *	0.001	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1995-2017	134	62	0 *	0.004	0.030	09/21/95	0 *	0.008	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	4	0 *	0.006	0.017	04/25/19	0 *	0.009	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-2002	44	15	0 *	0.006	0.030	09/21/95	0 *	0.012	--	--	--	--	0.0044	--
Phosphorus (total), in milligrams per liter as P	1995-2017	133	11	0 *	0.015	0.186	05/19/08	0.008	0.035	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	12	0	0.005	0.011	0.135	06/06/19	0.006	0.093	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , in colonies per 100 milliliters	2001-2017	97	24	1	7	195	05/25/06	--	7 **	126	3	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2018-2019	11	3	1	25	90	06/06/19	--	9 **	126	0	--	--	1	L
Biomass periphyton, ashfree drymass, in grams per square meter	2002-2017	16	4	0 *	6.95	36.7	10/07/15	0 *	23.0	--	--	--	--	0.10	--
Biomass periphyton, ashfree drymass, in grams per square meter	2019	2	0	2.40	NC	22.5	10/24/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, ash weight, in grams per square meter	2002-2017	16	0	117	307	738	08/28/03	183	612	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2019	2	0	64.9	NC	197	10/24/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, dry weight, in grams per square meter	2002-2017	16	0	126	327	749	08/28/03	188	640	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2019	2	0	67.3	NC	219	10/24/18	NC	NC	--	--	--	--	0.70	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2002-2017	15	0	7.12	10.4	32.1	09/19/12	7.73	27.1	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2019	2	0	8.50	NC	47.5	10/24/18	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2002-2017	15	0	0.130	4.53	17.5	08/04/14	2.51	13.6	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2019	2	0	1.87	NC	12.5	10/24/18	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	1995-2000	16	9	0 *	0 *	90.0	06/19/95	0 *	28.0	--	--	.	--	--	--
Cadmium, in micrograms per liter	1995-2000	16	16	0 *	0 *	0 *	06/19/95	0 *	0 *	0.71	0	1.8	0	--	L
Copper, in micrograms per liter	1995-2000	16	15	0 *	0 *	0.75	05/11/00	0 *	0 *	8.9	0	13.3	0	--	L
Iron, in micrograms per liter	1995-2002	10	0	8.8	35.7	76.0	06/19/95	12.2	70.8	300	0	.	--	10.0	L
Lead, in micrograms per liter	1995-2000	16	16	0 *	0 *	0 *	06/19/95	0 *	0 *	2.5	0	64.0	0	--	L
Manganese, in micrograms per liter	1995-2000	9	0	8.5	13.0	21.0	08/11/95	9.0	20.5	1,645	0	2,978	0	--	L
Silver, in micrograms per liter	1999-2000	4	4	0 *	NC	0 *	11/19/98	NC	NC	0.074	0	2.0	0	--	NC
Zinc, in micrograms per liter	1995-2000	16	12	0 *	0 *	11.1	06/03/99	0 *	9.5	120	0	159	0	--	L
Suspended sediment, in milligrams per liter	1995-2000	19	1	0 *	5	144	06/19/95	1	35	--	--	--	--	--	--