

Table 13. Summary of measured constituents and properties for Gunnison River at CR 32 below Gunnison, station 383103106594200

[--, 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	1995-2017	161	0	116	556	7,550	06/16/95	293	2,018	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	237	378	4,840	06/07/19	290	1,752	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1995-2017	160	0	7.0	9.3	13.0	01/10/07	8.2	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	8.0	9.0	11.5	01/18/18	8.1	10.5	6.0	0	--	--	--	L
pH, in standard units	1995-2017	160	0	7.6	8.3	8.8	02/10/05	8.0	8.5	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	12	0	7.9	8.1	8.5	11/15/17	7.9	8.4	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	1995-2017	161	0	144	226	290	09/19/12	192	250	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	178	231	295	10/26/18	202	273	--	--	.	--	--	--
Temperature, degrees Celsius	1995-2017	161	0	-0.1	7.6	18.4	08/02/12	0.1	14.4	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	12	0	0.0	8.3	15.9	07/19/18	0.0	13.3	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1995-2017	108	0	2.3	10.8	18.4	08/02/12	6.5	14.7	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2018-2019	8	0	4.5	10.6	15.9	07/19/18	5.7	15.0	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1995-2017	53	0	-0.1	0.1	5.6	03/16/98	0.0	2.8	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2018-2019	4	0	0.0	NC	4.1	11/15/17	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2001-2017	98	35	0 *	2.6	15.4	05/22/14	0 *	7.0	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	10	4	0 *	2.4	30.3	06/07/19	0 *	21.4	--	--	--	--	2.0	--
Residue, in milligrams per liter	1995-1998	41	0	86.0	127	152	03/16/95	110	145	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2016	55	0	83.3	125	167	09/05/02	105	140	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	6	0	110	125	175	10/26/18	110	174	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2017	144	0	67.2	110	148	09/19/12	90.4	127	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	6	0	88.4	100	150	10/26/18	88.4	149	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2017	144	0	20.0	32.4	44.1	11/28/12	27.0	38.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	6	0	26.2	30.2	45.4	10/26/18	26.3	45.2	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2017	144	0	4.1	7.0	9.3	09/19/12	5.6	8.1	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	6	0	5.5	6.0	8.9	10/26/18	5.5	8.8	--	--	.	--	0.010	--
Potassium, in milligrams per liter	1995-2017	58	0	0.76	1.2	2.4	03/27/97	0.96	1.4	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	1.1	1.3	1.6	03/14/18	1.1	1.6	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-2017	58	0	2.4	4.1	6.0	02/25/16	3.1	5.5	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	3.2	4.5	6.4	04/25/19	3.3	6.0	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1998	40	0	63.0	91.0	116	07/20/98	76.6	105	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2016	4	0	107	NC	131	09/05/02	NC	NC	--	--	.	--	4.0	--
Alkalinity, inflection-point titration, in milligrams per liter	1995-2017	53	0	60.0	86.0	125	07/20/98	74.0	102	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	76.4	94.4	135	07/19/18	76.9	134	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1995-2017	54	0	73.0	103	153	07/20/98	89.3	124	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	92.5	114	161	07/19/18	92.9	161	--	--	.	--	--	--
Carbonate, in milligrams per liter	1996-2017	19	0	0.30	0.70	4.0	03/16/98	0.40	2.4	--	--	.	--	--	--

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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
Carbonate, in milligrams per liter	2018-2019	8	0	0.30	0.40	1.6	07/19/18	0.30	1.4	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2017	58	0	0.42	1.3	2.3	03/13/14	0.80	1.8	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	1.3	1.8	2.7	04/25/19	1.3	2.4	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	1995-2017	56	1	0 *	0.19	0.36	01/22/98	0.11	0.27	--	--	.	--	0.010	--
Fluoride, in milligrams per liter	2018-2019	8	0	0.14	0.18	0.33	04/25/19	0.14	0.30	--	--	.	--	0.010	--
Silica, in milligrams per liter	1995-2017	58	0	8.7	11.1	14.5	02/25/16	9.7	12.1	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	9.2	11.3	12.7	04/25/19	9.5	12.6	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-2017	58	0	8.3	14.0	22.7	11/05/14	11.2	17.3	250	0	.	--	0.020	L
Sulfate, in milligrams per liter	2018-2019	8	0	12.7	15.8	23.3	04/25/19	13.0	22.7	250	0	.	--	0.020	L
Ammonia plus organic nitrogen in milligrams per liter as N	1995-2017	160	19	0 *	0.177	0.600	06/16/95	0.092	0.311	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter as N	2018-2019	12	0	0.099	0.194	0.674	06/07/19	0.104	0.487	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1995-2017	159	111	0 *	0 *	0.069	05/22/98	0 *	0.010	1.77	0	3.95	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	12	7	0 *	0 *	0.019	01/18/18	0 *	0.015	2.05	0	4.64	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	159	21	0 *	0.055	0.264	11/28/12	0.014	0.105	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	12	4	0 *	0.032	0.143	04/25/19	0 *	0.072	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1995-2017	159	94	0 *	0 *	0.020	06/13/96	0 *	0.002	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	12	8	0 *	0 *	0.002	11/15/17	0 *	0.001	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1995-2017	159	14	0 *	0.012	0.037	11/28/12	0.006	0.020	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	0	0.007	0.015	0.022	08/17/18	0.010	0.019	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-2002	71	24	0 *	0.012	0.036	05/29/98	0 *	0.024	--	--	--	--	0.0044	--
Phosphorus (total), in milligrams per liter as P	1995-2017	160	7	0 *	0.032	0.170	06/16/95	0.018	0.063	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	12	0	0.015	0.027	0.224	06/07/19	0.017	0.108	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , in colonies per 100 milliliters	2001-2017	95	10	1	11	190	06/24/11	--	9 **	126	3	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2018-2019	12	1	1	28	460	06/07/19	--	17 **	126	1	--	--	1	L
Biomass periphyton, ashfree drymass, in grams per square meter	2003-2017	14	2	0 *	12.1	24.7	08/10/04	1.08	23.5	--	--	--	--	0.10	--
Biomass periphyton, ashfree drymass, in grams per square meter	2019	2	0	4.50	NC	27.8	10/26/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, ash weight, in grams per square meter	2003-2017	14	0	156	310	908	09/22/05	162	784	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2019	2	0	90.5	NC	215	10/26/18	NC	NC	--	--	--	--	0.70	--
Periphyton, biomass, dry weight, in grams per square meter	2003-2017	14	0	163	324	926	09/22/05	169	794	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2019	2	0	95.0	NC	242	10/26/18	NC	NC	--	--	--	--	0.70	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2003-2017	13	0	6.31	20.7	32.5	08/23/13	13.3	28.0	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2019	2	0	14.4	NC	73.1	10/26/18	NC	NC	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2003-2017	13	0	0.780	7.23	14.4	08/23/13	2.66	13.0	--	--	--	--	0.10	--
Pheophytin a, periphyton, in milligrams per square meter	2019	2	0	3.76	NC	10.9	10/26/18	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	1995-2009	29	20	0 *	0 *	10.9	06/01/98	0 *	8.4	--	--	.	--	4.0	--
Barium, in micrograms per liter	1995	1	0	38.0	NC	38.0	09/20/95	NC	NC	--	--	.	--	--	--

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Cadmium, in micrograms per liter	1995-2017	112	86	0 *	0 *	0.061	05/11/10	0 *	0.019	0.79	0	2.0	0	0.030	L
Chromium, in micrograms per liter	1995-2009	2	2	0 *	NC	0 *	09/20/95	NC	NC	--	--	.	--	0.12	--
Cobalt, in micrograms per liter	1995	1	1	0 *	NC	0 *	09/20/95	NC	NC	--	--	.	--	--	--
Copper, in micrograms per liter	1995-2017	110	45	0 *	0.52	4.1	08/18/08	0 *	1.0	10.0	0	15.2	0	0.20	L
Iron, in micrograms per liter	1995-2009	61	1	0 *	27.1	120	06/16/95	13.6	63.1	300	0	.	--	4.0	L
Lead, in micrograms per liter	1995-2017	112	57	0 *	0 *	3.2	08/07/02	0 *	0.10	2.9	1	74.7	0	0.020	L
Manganese, in micrograms per liter	1995-2017	144	0	9.1	15.8	62.0	04/03/13	11.9	23.2	1,725	0	3,121	0	0.40	L
Nickel, in micrograms per liter	1995	1	1	0 *	NC	0 *	09/20/95	NC	NC	58.2	0	524	0	--	NC
Silver, in micrograms per liter	1995-2017	104	103	0 *	0 *	0.009	07/18/11	0 *	0 *	0.094	0	2.6	0	1.0	L
Zinc, in micrograms per liter	1995-2017	112	51	0 *	1.0	19.0	06/17/15	0 *	4.4	137	0	181	0	2.0	L
Arsenic, in micrograms per liter	1995-1998	2	1	0 *	NC	1.0	03/16/98	NC	NC	--	--	340	0	--	--
Selenium, in micrograms per liter	1995-2017	96	21	0 *	0.11	0.50	04/25/02	0 *	0.18	4.6	0	18.4	0	0.050	L
Organic carbon, in milligrams per liter	1995-2002	43	0	1.2	2.3	5.2	06/16/95	1.3	3.5	--	--	.	--	0.33	--
Suspended sediment, in milligrams per liter	1995-2015	54	0	0 *	9	297	05/17/96	3	51	--	--	--	--	1.0	--