

Table 15. Summary of measured constituents and properties for Gunnison River near Grand Junction, CO, station 09152500
 [--, 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	1994-2017	278	0	607	1,885	13,900	06/19/95	1,107	3,908	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	18	0	739	1,270	8,540	05/30/19	848	2,622	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1994-2017	209	0	6.3	8.9	13.7	12/28/04	7.7	11.4	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	18	0	5.6	9.6	13.3	11/08/17	7.3	11.3	5.0	0	--	--	--	L
pH, in standard units	1994-2017	216	0	7.8	8.3	9.0	08/26/15	8.1	8.5	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	18	0	8.1	8.4	8.8	11/08/17	8.1	8.6	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1994-2003	103	0	7.5	8.1	8.5	11/07/97	7.9	8.3	6.5-9.0	0	--	--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1994-2017	707	0	304	794	1,416	09/29/05	455	1,026	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	1994-2017	279	0	287	822	1,400	08/23/01	474	1,033	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	18	0	336	899	1,139	03/14/19	497	1,055	--	--	.	--	--	--
Temperature, water, degrees Celsius	1994-2017	279	0	0.0	11.5	23.7	07/14/04	4.1	19.6	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	18	0	2.3	11.1	22.5	07/11/18	5.3	19.8	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1994-2017	229	0	1.7	13.5	23.7	07/14/04	8.0	19.9	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	15	0	5.6	11.9	22.5	07/11/18	7.5	20.1	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1994-2017	50	0	0.0	2.9	7.0	02/20/03	0.5	5.1	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	3	0	2.3	NC	5.4	02/07/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2012-2017	48	1	0 *	49.3	891.0	08/14/14	9.7	231.4	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	18	0	2.9	33.2	4315	07/11/18	3.7	259.0	--	--	--	--	2.0	--
Residue, in milligrams per liter	1994-1998	54	0	195	426	827	08/17/94	247	711	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1994-1998	54	0	195	426	827	08/17/94	247	711	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1994-2017	210	0	169	558	1,062	08/23/01	301	724	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	18	0	211	617	779	03/14/19	330	730	--	--	.	--	--	--
Hardness, in milligrams per liter	1994-2017	210	0	112	338	665	08/23/01	193	452	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	18	0	146	398	492	10/17/18	213	438	--	--	.	--	--	--
Turbidity, unfiltered, in nephelometric turbidity units	2002	2	0	30.7	NC	52.9	09/24/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1994-2017	210	0	30.7	84.4	203	08/23/01	50.8	120	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	18	0	40.6	104	135	10/17/18	59.0	121	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1994-2017	210	0	8.5	28.2	53.7	12/11/03	15.2	36.7	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	18	0	10.8	29.6	42.4	03/14/19	17.1	38.7	--	--	.	--	0.010	--
Potassium, in milligrams per liter	1994-2017	210	0	1.6	3.1	8.0	08/23/01	2.1	3.7	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	18	0	1.8	3.1	5.1	07/11/18	2.4	4.2	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1994-2017	210	0	11.7	44.3	93.9	12/11/03	22.8	61.8	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	18	0	13.0	46.6	90.9	03/14/19	24.9	62.5	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1994-1999	64	0	76.0	128	171	09/11/98	90.0	160	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2012	44	0	84.1	144	199	02/20/03	110	163	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1994-2017	154	0	65.9	135	214	02/26/04	88.6	163	--	--	.	--	--	--

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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	18	0	83.5	143	188	10/17/18	104	169	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1994-2017	154	0	79.4	159	255	02/26/04	105	191	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	18	0	101	170	222	10/17/18	124	199	--	--	.	--	--	--
Carbonate, in milligrams per liter	1994-2017	121	0	0.30	2.1	14.0	08/17/94	0.83	4.2	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	18	0	0.50	2.3	4.0	11/08/17	1.0	3.3	--	--	.	--	--	--
Chloride, in milligrams per liter	1994-2017	210	0	1.9	6.8	13.2	02/26/04	3.8	8.9	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	18	0	2.9	7.3	13.1	03/14/19	5.0	10.7	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1994-2017	208	1	0 *	0.35	0.65	08/23/01	0.23	0.50	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	18	0	0.19	0.39	0.50	10/17/18	0.28	0.46	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1994-2017	210	0	8.0	12.4	16.5	07/29/99	10.9	14.1	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	18	0	9.5	11.9	16.3	09/19/19	10.3	14.7	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1994-2017	212	0	60.5	280	622	08/23/01	133	384	480	6	.	--	0.020	M
Sulfate, in milligrams per liter	2018-2019	18	0	75.2	316	409	03/14/19	148	382	480	0	.	--	0.020	M
Ammonia plus organic nitrogen, in milligrams per liter as N	1995-2002	47	18	0 *	0.190	0.500	10/04/96	0 *	0.290	--	--	--	--	0.10	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	1994-2017	100	8	0 *	0.402	1.55	07/23/13	0.203	0.723	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	18	0	0.233	0.460	6.35	07/11/18	0.275	1.12	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1994-2017	101	49	0 *	0.010	0.078	08/11/98	0 *	0.039	1.46	0	3.33	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	18	9	0 *	0.006	0.096	03/14/19	0 *	0.036	1.26	0	2.94	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1994-2017	102	0	0.160	0.697	1.60	07/09/98	0.303	1.14	--	--	10.0	0	0.040	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	18	0	0.240	0.761	1.20	10/17/18	0.420	1.03	--	--	10.0	0	0.040	--
Nitrite, in milligrams per liter as N	1994-2017	102	27	0 *	0.004	0.057	11/07/97	0 *	0.011	--	--	0.05	1	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	18	0	0.002	0.005	0.025	07/11/18	0.003	0.014	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1994-2017	102	27	0 *	0.010	0.060	05/20/96	0 *	0.020	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	18	4	0 *	0.011	0.026	09/19/19	0 *	0.022	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1994-2002	53	34	0 *	0 *	0.050	05/20/96	0 *	0.030	--	--	--	--	0.060	--
Phosphorus (total), in milligrams per liter as P	1994-2017	102	7	0 *	0.097	0.781	08/14/14	0.016	0.328	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	18	0	0.013	0.083	3.20	07/11/18	0.020	0.497	--	--	--	--	0.0040	--
Aluminum, in micrograms per liter	1994-2012	9	3	0 *	20.0	50.0	05/17/95	0 *	40.0	1,438	0	10,071	0	2.2	L
Aluminum (total), in micrograms per liter	2012	1	0	429	NC	429	05/25/12	NC	NC	1,438	0	10,071	0	3.8	NC
Barium, in micrograms per liter	1994-1995	6	0	39.0	42.0	49.0	05/17/95	39.1	48.9	--	--	.	--	--	--
Cadmium, in micrograms per liter	2002-2012	3	2	0 *	NC	0.018	09/24/02	NC	NC	1.8	0	8.7	0	0.016	NC
Cobalt, in micrograms per liter	1994-1995	6	6	0 *	0 *	0 *	11/23/93	0 *	0 *	--	--	.	--	--	--
Copper, in micrograms per liter	2002-2012	3	0	0.82	NC	4.0	09/24/02	NC	NC	25.7	0	43.0	0	0.80	NC
Iron, in micrograms per liter	1994-2012	57	23	0 *	4.4	62.0	06/19/95	0 *	16.0	300	0	.	--	3.2	L
Lead, in micrograms per liter	2002-2012	3	2	0 *	NC	0.031	05/25/12	NC	NC	9.3	0	240	0	0.025	NC
Manganese, in micrograms per liter	1994-2012	57	0	2.5	11.0	56.0	02/24/94	4.6	23.9	2,488	0	4,503	0	0.13	L

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Molybdenum, in micrograms per liter	1994-1995	6	5	0 *	0 *	10.0	08/17/94	0 *	9.50	--	--	--	--	--	--
Nickel, in micrograms per liter	1994-1995	6	5	0 *	0 *	1.0	08/17/94	0 *	0.95	148	0	1,329	0	--	L
Silver, in micrograms per liter	1994-2012	9	9	0 *	0 *	0 *	11/23/93	0 *	0 *	2.7	0	16.9	0	0.0050	L
Vanadium, in micrograms per liter	1994-1995	6	6	0 *	0 *	0 *	11/23/93	0 *	0 *	--	--	--	--	--	--
Zinc, in micrograms per liter	2002-2012	3	1	0 *	NC	1.9	09/24/02	NC	NC	372	0	491	0	1.4	NC
Selenium, in micrograms per liter	1994-2017	216	1	0 *	4.2	16.4	02/20/03	2.0	6.8	4.6	96	18.4	0	0.050	H
Selenium, in micrograms per liter	2018-2019	18	0	1.0	4.1	7.7	03/14/19	2.3	5.7	4.6	6	18.4	0	0.050	H
Selenium (total), in micrograms per liter	1996-2015	7	0	2.3	5.2	7.0	09/17/96	2.6	6.9	--	--	.	--	0.10	--
Organic carbon, in milligrams per liter	1995-2002	46	0	2.3	3.4	5.1	05/04/98	2.6	4.2	--	--	.	--	0.33	--
Suspended sediment, in milligrams per liter	1994-2017	788	0	2	151	12,200	08/27/06	59	438	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	18	0	4	49	3,870	07/11/18	9	513	--	--	--	--	1.0	--