

Table 12. Summary of measured constituents and properties for Gunnison River at Delta, CO, station 09144250

[--, 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	161	0	267	1,070	13,500	06/08/11	704	2,580	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	515	973	2,740	07/24/19	530	2,345	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2002-2017	38	0	6.9	10.0	14.1	01/26/10	8.5	12.1	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	9.7	10.3	11.7	12/12/18	9.7	11.7	5.0	0	--	--	--	L
pH, in standard units	1996-2017	62	0	7.8	8.3	8.8	05/23/12	8.0	8.6	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	8.0	8.3	8.9	07/24/19	8.1	8.8	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1996-2002	11	0	7.9	8.2	8.5	09/10/01	8.0	8.4	6.5-9.0	0	--	--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1996-2015	13	0	546	677	846	09/16/96	553	778	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1994-2017	158	0	124	634	1,500	10/04/96	394	832	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	348	622	798	03/13/19	368	761	--	--	.	--	--	--
Temperature, water, degrees Celsius	1994-2017	160	0	0.0	10.6	22.3	07/29/99	4.0	17.5	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	1.2	8.8	17.4	09/18/18	2.5	17.1	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1994-2017	135	0	1.7	11.6	22.3	07/29/99	6.7	18.0	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	6	0	5.0	9.9	17.4	09/18/18	5.2	17.4	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1994-2017	25	0	0.0	2.9	7.3	12/02/99	0.5	4.1	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	2	0	1.2	NC	5.8	02/06/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2012-2017	23	0	3.3	16.8	172.0	05/17/13	5.7	62.8	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	8	0	3.1	17.0	102.0	04/17/19	3.3	89.6	--	--	--	--	2.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1996-2017	48	0	125	412	585	11/13/12	321	530	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	217	409	540	03/13/19	232	511	--	--	.	--	--	--
Hardness, in milligrams per liter	1996-2017	48	0	86.0	262	369	10/22/12	200	326	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	145	255	300	03/13/19	155	295	--	--	.	--	--	--
Turbidity, unfiltered, in nephelometric turbidity units	2002	2	0	19.8	NC	93.6	09/11/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1996-2017	48	0	24.1	64.2	93.9	10/22/12	48.8	82.3	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	39.4	64.5	76.8	09/18/18	41.2	74.0	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1996-2017	48	0	6.3	22.6	33.3	11/13/12	18.4	30.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	11.3	22.0	31.9	03/13/19	12.7	29.8	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1996-2017	48	0	0.65	2.8	3.8	11/13/12	2.1	3.6	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	1.8	2.9	3.6	03/13/19	1.9	3.5	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1996-2017	48	0	6.7	33.4	54.5	10/22/12	25.3	46.6	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	14.6	35.3	58.2	03/13/19	17.2	52.0	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1996-1997	3	0	114	NC	145	09/16/96	NC	NC	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2002	8	0	117	124	143	08/08/02	118	141	--	--	.	--	1.0	--
Alkalinity, inflection-point titration, in milligrams per liter	2009-2017	37	0	64.2	122	165	12/12/13	93.4	146	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	77.6	125	145	12/12/18	85.8	142	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2009-2017	37	0	76.9	145	199	12/12/13	112	175	--	--	.	--	--	--

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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
Bicarbonate, in milligrams per liter	2018-2019	8	0	91.3	149	174	12/12/18	102	171	--	--	.	--	--	--
Carbonate, in milligrams per liter	2009-2017	37	0	0.40	1.5	3.3	08/22/17	0.60	2.7	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	0.80	1.2	2.9	09/18/18	0.84	2.6	--	--	.	--	--	--
Chloride, in milligrams per liter	1996-2017	48	0	1.4	5.5	9.5	02/11/13	3.9	7.7	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	3.0	6.0	9.4	03/13/19	3.6	9.1	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1996-2017	48	0	0.13	0.27	0.35	10/29/14	0.21	0.30	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	8	0	0.18	0.24	0.29	12/12/18	0.18	0.28	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1996-2017	48	0	9.2	12.8	15.1	01/12/17	10.8	14.5	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	10.9	11.9	13.9	07/24/19	11.0	13.8	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1996-2017	49	0	32.7	190	300	09/16/96	130	260	480	0	.	--	0.020	M
Sulfate, in milligrams per liter	2018-2019	8	0	86.3	189	274	03/13/19	90.8	253	480	0	.	--	0.020	M
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2012-2017	24	1	0 *	0.302	0.935	05/17/13	0.181	0.511	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.162	0.273	0.546	04/17/19	0.168	0.538	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	2012-2017	25	18	0 *	0 *	0.017	05/17/13	0 *	0.013	1.55	0	3.51	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	8	6	0 *	0 *	0.034	03/13/19	0 *	0.028	1.40	0	3.01	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	2012-2017	25	0	0.086	0.160	0.325	12/12/13	0.101	0.248	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	8	0	0.053	0.175	0.358	03/13/19	0.073	0.310	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	2012-2017	25	2	0 *	0.002	0.004	07/21/16	0.001	0.002	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	8	1	0 *	0.002	0.008	04/17/18	0.0005	0.007	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	2012-2017	25	7	0 *	0.006	0.021	05/16/17	0 *	0.015	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	1	0 *	0.008	0.020	04/17/18	0.002	0.018	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2012-2017	24	0	0.012	0.049	0.469	05/17/13	0.017	0.161	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.010	0.047	0.245	04/17/19	0.012	0.210	--	--	--	--	0.0040	--
Selenium, in micrograms per liter	1996-2017	65	0	0.48	2.7	6.6	09/11/02	1.5	4.3	4.6	9	18.4	0	0.050	M
Selenium, in micrograms per liter	2018-2019	8	0	0.93	2.2	4.6	03/13/19	1.1	4.1	4.6	1	18.4	0	0.050	M
Selenium (total), in micrograms per liter	2012-2015	4	0	1.7	NC	2.9	08/20/12	NC	NC	--	--	.	--	0.10	--
Organic carbon, in milligrams per liter	2016	1	0	3.6	NC	3.6	11/19/15	NC	NC	--	--	.	--	0.23	--
Suspended sediment, in milligrams per liter	2012-2017	26	0	6	42	413	05/17/13	11	149	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	3	26	197	04/17/19	3	177	--	--	--	--	1.0	--