Table 11. Summary of measured constituents and properties for Gunnison River near Grand Junction, Co., station 09152500

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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
Instantaneous discharge, in cubic feet per second	1990-2012	276	0	607	1,885	15,500	05/26/93	1,110	4,214	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	19	0	649	1,320	8,110	06/17/14	718	3,360	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	184	0	6.3	9.1	13.7	12/28/04	7.8	11.5	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	19	0	6.9	8.6	12.8	12/17/13	7.5	10.9	5.0	0	--	--	--	L
pH, in standard units	1990-2012	193	0	7.8	8.3	8.9	07/21/95	8.1	8.5	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	19	0	7.9	8.3	8.6	11/20/12	8.1	8.5	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1990-2003	126	0	7.5	8.1	8.7	02/13/90	7.9	8.3	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2008	682	0	278	810	1,416	09/29/05	465	1,041	--	--	.	--	1.0	--
Specific conductance, laboratory, in microsiemens per centimeter	2014	1	0	890	NC	890	03/07/14	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2012	275	0	274	837	1,440	08/28/90	479	1,083	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	19	0	345	991	1,210	10/24/12	460	1,100	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	275	0	0.0	11.5	23.7	07/14/04	3.9	19.2	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	19	0	-0.0	12.8	22.4	09/05/13	2.6	19.9	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1990-2012	221	0	1.7	13.3	23.7	07/14/04	7.6	19.7	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2013-2014	16	0	7.3	14.5	22.4	09/05/13	7.5	20.7	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1990-2012	54	0	0.0	2.8	7.0	02/20/03	0.6	5.0	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2013-2014	3	0	-0.0	NC	2.6	02/20/13	NC	NC	14.3	0	--	--	--	NC
Turbidity, water, unfiltered, in nephelometric turbidity units	2012	2	0	23.3	NC	62.6	08/27/12	NC	NC	--	--	--	--	2.0	--
Turbidity, water, unfiltered, in nephelometric turbidity units	2013-2014	18	0	5.8	58.8	891.0	08/14/14	10.7	370.6	--	--	--	--	2.0	--
Residue, in milligrams per liter	1990-1998	77	0	179	497	1,120	08/28/90	249	775	--	--	.	--	--	--
Calcium, in milligrams per liter	1990-2012	190	0	30.0	85.6	203	08/23/01	52.5	120	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	18	0	41.0	116	156	10/24/12	49.9	132	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2012	190	0	7.8	28.9	53.7	12/11/03	15.7	37.0	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	18	0	10.2	34.6	46.4	10/24/12	14.7	42.2	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2012	190	0	1.6	3.1	8.0	08/23/01	2.1	3.8	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2013-2014	18	0	1.7	3.4	4.6	09/10/14	2.2	4.0	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1990-2012	190	0	11.8	46.5	95.0	08/28/90	24.1	64.2	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2013-2014	18	0	12.6	54.5	78.6	10/24/12	22.4	76.1	--	--	.	--	0.060	--
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	1990-2012	131	0	61.0	134	214	02/26/04	88.0	160	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2013-2014	18	0	86.3	163	194	01/16/13	87.1	186	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	1990-2012	131	0	74.0	158	255	02/26/04	105	188	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	2013-2014	18	0	104	194	232	01/16/13	105	223	--	--	.	--	--	--
Carbonate, inflection-point titration in milligrams per liter	1990-2012	92	0	0 *	2.2	18.0	11/13/91	0.69	7.2	--	--	.	--	--	--
Carbonate, inflection-point titration in milligrams per liter	2013-2014	18	0	0.60	2.2	4.7	11/20/12	0.79	3.0	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2012	190	0	1.9	7.1	13.2	02/26/04	3.9	9.6	250	0	.	--	0.060	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	2013-2014	18	0	2.6	8.1	13.1	04/23/13	4.0	11.3	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	1990-2012	188	1	0 *	0.34	0.70	08/08/90	0.23	0.50	2.0	0	.	--	0.040	L
Fluoride, in milligrams per liter	2013-2014	18	0	0.20	0.44	0.59	09/23/14	0.23	0.53	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1990-2012	190	0	8.0	12.3	16.5	07/29/99	10.7	14.0	--	--	.	--	0.018	--
Silica, in milligrams per liter	2013-2014	18	0	8.2	13.3	15.0	01/16/13	10.3	14.7	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	1990-2012	190	0	60.5	290	650	08/28/90	140	392	480	11	.	--	0.090	M
Sulfate, in milligrams per liter	2013-2014	18	0	79.1	363	478	10/24/12	136	403	480	0	.	--	0.020	M
Ammonia plus organic nitrogen, in milligrams per liter as N	1991-2002	48	18	0 *	0.195	0.600	07/31/91	0 *	0.292	--	--	--	--	0.10	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	1990-2012	77	8	0 *	0.400	1.20	10/04/96	0.190	0.606	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2013-2014	18	0	0.263	0.479	1.55	07/23/13	0.306	1.23	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1990-2012	78	29	0 *	0.020	0.100	12/01/92	0 *	0.050	1.53	0	3.52	0	0.010	L
Ammonia, in milligrams per liter as N	2013-2014	18	8	0 *	0.014	0.045	05/28/14	0 *	0.037	1.47	0	3.50	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1990-2012	82	0	0.160	0.710	2.00	08/08/90	0.319	1.35	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	18	0	0.286	0.984	1.42	07/23/13	0.383	1.38	10.0	0	--	--	0.010	L
Nitrite, in milligrams per liter as N	1990-2012	78	39	0 *	0.002	0.057	11/07/97	0 *	0.020	0.05	1	--	--	0.0010	L
Nitrite, in milligrams per liter as N	2013-2014	18	0	0.002	0.006	0.011	07/23/13	0.003	0.010	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1990-2012	79	34	0 *	0.010	0.060	05/20/96	0 *	0.020	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	18	4	0 *	0.010	0.025	07/23/13	0 *	0.018	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1990-2002	75	40	0 *	0 *	0.100	07/31/91	0 *	0.030	--	--	--	--	0.060	--
Phosphorus, unfiltered, in milligrams per liter as P	1990-2012	79	8	0 *	0.062	0.600	06/19/95	0.014	0.200	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	18	0	0.022	0.130	0.781	08/14/14	0.034	0.610	--	--	--	--	0.0040	--
Aluminum, in micrograms per liter	1990-2012	24	6	0 *	20.0	350	05/26/93	0 *	50.0	1,438	0	10,071	0	2.2	L
Aluminum, unfiltered, in micrograms per liter	2012	1	0	429	NC	429	05/25/12	NC	NC	1,438	0	10,071	0	3.8	NC
Cadmium, in micrograms per liter	1990-2012	10	7	0 *	0 *	1.0	03/27/90	0 *	1.0	1.1	0	5.0	0	0.016	M
Copper, in micrograms per liter	1990-2012	10	1	0 *	2.9	4.0	07/31/91	0.53	4.0	25.8	0	43.1	0	0.80	L
Iron, in micrograms per liter	1990-2012	72	23	0 *	5.6	79.0	04/21/92	0 *	19.0	300	0	.	--	3.2	L
Lead, in micrograms per liter	1990-2012	10	9	0 *	0 *	0.031	05/25/12	0 *	0.011	9.4	0	241	0	0.025	L
Lithium, in micrograms per liter	1990-1995	21	0	10.0	56.0	96.0	08/28/90	24.4	73.8	--	--	--	--	--	--
Manganese, in micrograms per liter	1990-2012	72	0	2.5	12.0	56.0	02/24/94	5.0	24.1	2,492	0	4,510	0	0.13	L
Nickel, in micrograms per liter	1990-1995	21	7	0 *	1.0	10.0	03/27/90	0 *	2.0	148	0	1,335	0	--	L
Silver, in micrograms per liter	1990-2012	24	24	0 *	0 *	0 *	11/07/89	0 *	0 *	0.63	0	17.1	0	0.0050	L
Strontium, in micrograms per liter	1990-1995	21	0	270	1,000	1,900	08/28/90	455	1,370	--	--	--	--	--	--
Vanadium, in micrograms per liter	1990-1995	21	21	0 *	0 *	0 *	11/07/89	0 *	0 *	--	--	--	--	--	--
Zinc, in micrograms per liter	1990-2012	10	1	0 *	6.0	17.0	03/27/90	1.2	16.4	374	0	493	0	1.4	L
Arsenic, in micrograms per liter	1990-1991	7	1	0 *	1.0	2.0	03/27/90	0.20	1.8	--	--	340	0	--	--
Boron, in micrograms per liter	1992	6	0	50.0	85.0	110	11/13/91	51.0	109	750	0	.	--	--	L

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Selenium, in micrograms per liter	1990-2012	179	1	0 *	5.0	16.4	02/20/03	2.4	7.0	4.6	101	18.4	0	0.030	H
Selenium, in micrograms per liter	2013-2014	18	0	1.1	4.9	7.0	10/24/12	2.2	6.6	4.6	10	18.4	0	0.050	H
Selenium, unfiltered, in micrograms per liter	1996	1	0	7.0	NC	7.0	09/17/96	NC	NC	--	--	.	--	--	--
Selenium, unfiltered, in micrograms per liter	2013-2014	3	0	2.3	NC	6.7	04/23/13	NC	NC	--	--	.	--	0.10	--
2,6-Diethylaniline, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
2-Chloro-4-isopropylamino-6-amino-s-triazine, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Alachlor, in micrograms per liter	1998	1	0	0.019	NC	0.019	05/04/98	NC	NC	2.00	0	--	--	--	NC
Atrazine, in micrograms per liter	1998	1	0	0.0019	NC	0.0019	05/04/98	NC	NC	3.00	0	--	--	--	NC
Azinphos-methyl, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Benfluralin, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Carbaryl, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Carbofuran, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	35.0	0	--	--	--	NC
Chlorpyrifos, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	0.041	0	0.083	0	--	NC
cis-Permethrin, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Cyanazine, in micrograms per liter	1998	1	0	0.011	NC	0.011	05/04/98	NC	NC	--	--	--	--	--	--
DCPA, in micrograms per liter	1998	1	0	0.0016	NC	0.0016	05/04/98	NC	NC	--	--	--	--	--	--
Diazinon, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	0.17	0	0.17	0	--	NC
Dieldrin, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	0.000052	0	--	--	--	NC
Disulfoton, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
EPTC, in micrograms per liter	1998	1	0	0.0018	NC	0.0018	05/04/98	NC	NC	--	--	--	--	--	--
Ethoprop, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Fonofos, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Malathion, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	0.10	0	--	--	--	NC
Methyl parathion, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Metolachlor, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Metribuzin, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	160	0	--	--	--	NC
Molinate, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Pendimethalin, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Phorate, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Prometon, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	100	0	--	--	--	NC
Propanil, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Propargite, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Propyzamide, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Simazine, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	4.00	0	--	--	--	NC
Tebuthiuron, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Terbufos, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--

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Thiobencarb, in micrograms per liter	1998	1	1	0 *	NC	0 *	05/04/98	NC	NC	--	--	--	--	--	--
Trifluralin, in micrograms per liter	1998	1	0	0.0046	NC	0.0046	05/04/98	NC	NC	--	--	--	--	--	--
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, percent smaller than 0.0625 millimeters	1990-2008	124	0	16.0	93.0	100	07/25/05	70.1	99.0	--	--	--	--	1.0	--
Suspended sediment, percent smaller than 0.0625 millimeters	2013-2014	15	0	63.0	94.0	100	08/14/14	72.6	99.0	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	1990-2012	667	0	6	150	12,200	08/27/06	59	478	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2013-2014	18	0	19	118	1,080	08/14/14	26	674	--	--	--	--	1.0	--