

Table 11. Summary of measured constituents and properties for Uncompahgre River at Delta, CO, station 09149500

[--, 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	223	0	43.5	282	1,420	05/19/95	149	590	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	105	200	780	10/12/17	130	648	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1998-2017	40	0	6.7	9.2	13.8	01/26/10	8.0	12.2	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	7.4	9.7	13.2	12/12/18	7.8	13.1	5.0	0	--	--	--	L
pH, in standard units	1995-2017	129	0	7.9	8.3	8.7	02/01/01	8.1	8.4	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	8.2	8.3	8.6	12/12/18	8.2	8.5	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1995-2016	91	0	7.6	8.0	8.3	11/19/15	7.8	8.1	6.5-9.0	0	--	--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2003	90	0	743	1,495	2,020	02/20/03	997	1,704	--	--	.	--	2.6	--
Specific conductance, in microsiemens per centimeter	1994-2017	223	0	542	1,471	1,980	02/20/03	972	1,710	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	845	1,285	1,639	03/12/19	860	1,628	--	--	.	--	--	--
Temperature, water, degrees Celsius	1994-2017	220	0	0.0	11.3	23.4	07/16/13	4.1	18.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	2.3	9.6	20.8	07/25/19	2.8	18.6	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1994-2017	178	0	1.9	13.5	23.4	07/16/13	7.4	18.5	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	6	0	6.9	11.3	20.8	07/25/19	7.0	20.5	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1994-2017	42	0	0.0	3.0	7.8	02/15/96	0.0	5.6	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	2	0	2.3	NC	3.6	02/07/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2012-2017	23	1	0 *	48.4	670.0	05/15/13	9.5	200.8	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	8	0	6.2	46.4	194.0	04/17/19	6.6	186.7	--	--	--	--	2.0	--
Residue, in milligrams per liter	1998	1	0	601	NC	601	05/14/98	NC	NC	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1998	1	0	601	NC	601	05/14/98	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2017	127	0	140	1,080	1,481	02/20/03	667	1,259	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	585	967	1,156	03/12/19	594	1,144	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2017	128	0	303	644	811	08/12/03	411	758	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	375	585	714	03/12/19	378	712	--	--	.	--	--	--
Turbidity, unfiltered, in nephelometric turbidity units	2002	2	0	71.2	NC	113	09/23/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1995-2017	128	0	78.9	170	229	08/12/03	117	203	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	96.0	154	196	09/20/18	100	193	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2017	128	0	22.9	49.6	74.6	02/20/03	30.0	61.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	27.9	45.0	64.1	03/12/19	29.0	62.1	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2017	128	0	2.3	3.7	6.7	03/08/95	3.0	4.2	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	2.4	3.8	4.9	02/07/18	2.7	4.7	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-2017	128	0	36.1	92.8	171	02/20/03	55.0	118	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	44.1	79.3	115	02/07/18	45.9	115	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1999	36	0	125	184	232	01/18/95	142	215	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2014	56	0	121	204	269	08/13/02	162	227	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1998-2017	38	0	117	207	255	11/18/10	145	244	--	--	.	--	--	--

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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	8	0	134	196	246	12/12/18	142	245	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1998-2017	38	0	141	246	303	11/18/10	174	290	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	161	233	291	12/12/18	170	290	--	--	.	--	--	--
Carbonate, in milligrams per liter	2009-2017	37	0	0.60	2.3	4.5	12/09/15	1.3	3.8	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	1.2	2.9	4.1	12/12/18	1.5	3.9	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2017	127	0	5.2	10.3	47.6	02/20/03	6.3	13.4	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	5.2	8.6	14.7	02/07/18	5.8	14.6	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-2017	126	0	0.30	0.60	0.94	07/19/00	0.45	0.74	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	8	0	0.31	0.50	0.72	09/20/18	0.36	0.67	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1995-2017	127	0	10.6	15.0	19.9	07/19/00	12.8	17.3	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	10.2	14.9	19.1	09/20/18	10.8	18.5	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-2017	130	0	254	600	849	02/20/03	348	715	250	130	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	8	0	282	516	622	03/12/19	295	611	250	8	.	--	0.020	H
Ammonia plus organic nitrogen, in milligrams per liter as N	1998-2002	2	0	0.353	NC	0.480	08/13/02	NC	NC	--	--	--	--	0.10	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	1998-2017	24	0	0.263	0.611	3.01	05/15/13	0.377	1.28	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.352	0.528	1.12	04/17/19	0.365	1.07	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1998-2017	26	9	0 *	0.024	0.174	06/16/16	0 *	0.080	1.63	0	3.83	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	8	2	0 *	0.017	0.059	04/17/19	0 *	0.048	1.37	0	2.98	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	35	0	0.996	2.41	4.02	08/13/02	1.45	3.28	--	--	10.0	0	0.040	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	8	0	0.897	1.80	2.77	12/12/18	1.01	2.70	--	--	10.0	0	0.040	--
Nitrite, in milligrams per liter as N	1995-2017	27	0	0.004	0.012	0.034	07/16/13	0.007	0.022	--	--	0.50	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	8	0	0.003	0.011	0.020	02/07/18	0.004	0.019	--	--	0.50	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1998-2017	26	1	0 *	0.033	0.060	02/18/15	0.014	0.054	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	0	0.021	0.041	0.063	02/07/18	0.022	0.060	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1998-2002	2	1	0 *	NC	0.058	05/14/98	NC	NC	--	--	--	--	0.060	--
Phosphorus (total), in milligrams per liter as P	1998-2017	25	0	0.029	0.152	1.26	05/15/13	0.070	0.524	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.057	0.149	0.508	07/25/19	0.074	0.504	--	--	--	--	0.0040	--
Aluminum, in micrograms per liter	2002	1	1	0 *	NC	0 *	08/13/02	NC	NC	1,438	0	10,071	0	15.0	NC
Cadmium, in micrograms per liter	1997-2002	2	1	0 *	NC	0.027	08/13/02	NC	NC	2.0	0	10.0	0	0.037	NC
Cadmium (total), in micrograms per liter	1997	1	1	0 *	NC	0 *	08/12/97	NC	NC	--	--	.	--	--	--
Chromium, in micrograms per liter	1997	1	1	0 *	NC	0 *	08/12/97	NC	NC	--	--	.	--	--	--
Chromium (total), in micrograms per liter	1997	1	0	4.5	NC	4.5	08/12/97	NC	NC	--	--	.	--	--	--
Copper, in micrograms per liter	1997-2002	2	0	1.9	NC	4.2	08/13/02	NC	NC	29.3	0	49.6	0	0.23	NC
Copper, unfiltered, in micrograms per liter	1997	1	0	14.8	NC	14.8	08/12/97	NC	NC	--	--	.	--	--	--
Iron, in micrograms per liter	1997-2002	3	3	0 *	NC	0 *	08/12/97	NC	NC	300	0	.	--	10.0	NC
Iron, unfiltered, in micrograms per liter	1997	1	0	6,680	NC	6,680	08/12/97	NC	NC	1,000	1	.	--	--	NC

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Lead, in micrograms per liter	1997-2002	2	1	0 *	NC	0.060	08/13/02	NC	NC	10.9	0	281	0	0.080	NC
Lead, unfiltered, in micrograms per liter	1997	1	0	19.7	NC	19.7	08/12/97	NC	NC	--	--	.	--	--	--
Manganese, in micrograms per liter	1997-2002	3	0	15.9	NC	47.6	08/13/02	NC	NC	2,618	0	4,738	0	1.6	NC
Manganese, unfiltered, in micrograms per liter	1997	1	0	302	NC	302	08/12/97	NC	NC	--	--	.	--	--	--
Mercury, in micrograms per liter	1997	1	1	0 *	NC	0 *	08/12/97	NC	NC	--	--	.	--	--	--
Nickel, in micrograms per liter	1997	1	0	1.1	NC	1.1	08/12/97	NC	NC	168	0	1,513	0	--	NC
Nickel, unfiltered, in micrograms per liter	1997	1	0	9.9	NC	9.9	08/12/97	NC	NC	100	0	.	--	--	NC
Silver, in micrograms per liter	2002	1	1	0 *	NC	0 *	08/13/02	NC	NC	3.5	0	22.0	0	1.0	NC
Vanadium, in micrograms per liter	1997	1	0	3.03	NC	3.03	08/12/97	NC	NC	--	--	--	--	--	--
Zinc, in micrograms per liter	1997-2002	2	1	0 *	NC	4.1	08/13/02	NC	NC	428	0	564	0	1.0	NC
Zinc, unfiltered, in micrograms per liter	1997	1	0	60.0	NC	60.0	08/12/97	NC	NC	--	--	.	--	--	--
Arsenic, in micrograms per liter	1997	1	1	0 *	NC	0 *	08/12/97	NC	NC	--	--	340	0	--	--
Arsenic (total), in micrograms per liter	1997	1	0	2.8	NC	2.8	08/12/97	NC	NC	0.020	1	.	--	--	NC
Selenium, in micrograms per liter	1995-2017	134	0	3.5	11.5	26.0	01/18/95	7.0	16.4	4.6	130	18.4	9	0.050	H
Selenium, in micrograms per liter	2018-2019	8	0	4.3	8.8	14.4	03/12/19	4.6	14.4	4.6	7	18.4	0	0.050	H
Selenium (total), in micrograms per liter	1997-2015	8	0	7.6	9.6	12.5	07/16/13	7.9	12.3	--	--	.	--	0.10	--
Organic carbon, in milligrams per liter	1998-2016	3	0	3.5	NC	5.0	05/14/98	NC	NC	--	--	.	--	0.23	--
Suspended sediment, in milligrams per liter	1998-2017	28	0	7	207	1,290	05/15/13	33	431	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	14	90	403	04/17/19	17	379	--	--	--	--	1.0	--