

Table 8. Summary of measured constituents and properties for Arkansas River at Moffat Street at Pueblo, Co., station 07099970

[--, 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	1990-2017	294	0	1.5	281	6,370	06/23/15	65.0	1,075	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	49	0	36.6	241	3,866	06/13/19	54.8	865	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	150	0	7.4	10.2	14.4	12/17/02	8.5	12.3	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	26	0	8.2	10.4	12.5	12/04/18	9.3	12.0	5.0	0	--	--	--	L
pH, in standard units	1990-2017	181	0	7.9	8.4	9.0	04/24/00	8.2	8.7	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	26	0	8.1	8.5	9.2	05/24/18	8.3	8.8	6.5-9.0	1		--	--	L
pH, laboratory, in standard units	1990-2003	49	0	7.8	8.3	8.8	04/24/00	8.1	8.6	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2007	53	0	357	598	2,723	12/17/02	437	738	--	--	.	--	2.6	--
Specific conductance, in microsiemens per centimeter	1990-2017	286	0	221	554	2,720	12/17/02	408	702	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	50	0	264	554	1,075	11/20/18	444	847	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2017	293	0	0.4	11.7	27.0	07/23/12	4.7	20.2	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	50	0	2.8	10.7	22.3	08/22/18	5.3	18.5	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1990-2017	224	0	2.9	14.5	27.0	07/23/12	8.3	20.7	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	38	0	4.9	14.0	22.3	08/22/18	8.3	19.0	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1990-2017	69	0	0.4	4.5	10.5	12/17/02	3.0	6.3	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	12	0	2.8	5.3	8.1	12/04/17	3.2	6.9	14.3	0	--	--	--	L
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2011-2017	82	0	0.20	3.5	66.1	08/05/13	0.65	10.9	--	--	.	--	--	--
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2018-2019	24	0	2.1	5.2	85.8	12/04/17	3.0	14.4	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1990-2017	109	0	130	380	1,194	03/02/05	261	482	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	8	0	175	482	655	02/08/19	213	637	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1990-2012	41	0	138	386	2,260	03/10/03	229	482	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2012	75	0	99.7	246	1,500	03/10/03	178	300	--	--	.	--	--	--
Calcium, in milligrams per liter	1990-2012	75	0	29.3	65.4	398	03/10/03	48.8	79.6	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2012	75	0	6.5	19.8	119	03/10/03	13.0	24.7	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2012	44	0	1.4	2.8	5.1	03/02/05	2.2	3.2	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1990-2012	67	0	8.6	28.0	236	03/10/03	19.0	40.7	--	--	.	--	0.060	--
Acid neutralizing capacity, in milligrams per liter	1990-2003	32	0	87.0	129	180	12/17/02	101	146	--	--	.	--	2.0	--
Alkalinity, inflection-point titration, in milligrams per liter	2004-2012	31	0	71.2	115	173	03/02/05	88.5	127	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2007-2012	21	0	83.1	130	157	12/13/07	93.6	150	--	--	.	--	--	--
Carbonate, in milligrams per liter	2007-2011	16	0	0.50	1.2	8.1	02/16/10	0.90	2.4	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2012	67	0	3.3	11.0	68.9	03/10/03	7.2	14.8	250	0	.	--	0.060	L
Fluoride, in milligrams per liter	1990-2012	51	0	0.32	0.57	1.2	12/17/02	0.42	0.69	--	--	.	--	0.040	--
Silica, in milligrams per liter	2002	1	0	6.0	NC	6.0	07/22/02	NC	NC	--	--	.	--	0.13	--
Sulfate, in milligrams per liter	1990-2012	81	0	45.9	170	1,373	12/17/02	109	239	250	6	.	--	0.090	M
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2002	2	0	0.245	NC	2.70	08/27/02	NC	NC	--	--	--	--	0.10	--

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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
Ammonia nitrogen, in milligrams per liter	1993-2017	42	14	0 *	0.020	1.65	08/27/02	0 *	0.055	1.04	1	2.41	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	8	4	0 *	0.006	0.067	06/13/19	0 *	0.049	1.01	0	2.22	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	1990-2017	104	49	0 *	0.015	0.123	02/03/16	0 *	0.045	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	24	20	0 *	0 *	0.054	06/05/19	0 *	0.024	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1993-2017	42	2	0 *	0.488	1.76	08/05/13	0.300	1.24	--	--	10.0	0	0.040	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	8	0	0.306	1.32	2.41	02/01/18	0.315	2.33	--	--	10.0	0	0.040	--
Nitrate plus nitrite, unfiltered, in milligrams per liter	1990-1993	24	0	0.110	0.370	1.40	12/17/90	0.198	0.648	--	--	--	--	--	--
Nitrate, in milligrams per liter	2002	2	0	0.484	NC	0.727	08/27/02	NC	NC	--	--	10.0	0	--	--
Nitrite nitrogen, in milligrams per liter	2002	2	0	0.008	NC	0.333	08/27/02	NC	NC	--	--	0.05	1	0.0080	--
Nitrite, unfiltered, in milligrams per liter	1990-1991	3	1	0 *	NC	0.020	09/28/90	NC	NC	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1998-2017	40	4	0 *	0.015	0.125	08/27/02	0.004	0.030	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	8	1	0 *	0.018	0.044	02/01/18	0.004	0.038	--	--	--	--	0.0040	--
Orthophosphate, unfiltered, in milligrams per liter	1990-1991	3	2	0 *	NC	0.030	09/28/90	NC	NC	--	--	--	--	--	--
Phosphorus, in milligrams per liter	1998-2001	15	8	0 *	0 *	0.042	08/28/00	0 *	0.033	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter	1990-2017	51	6	0 *	0.029	0.280	07/20/90	0.010	0.060	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	8	2	0 *	0.032	0.150	12/04/17	0 *	0.113	--	--	--	--	0.020	--
Total nitrogen, unfiltered, in milligrams per liter	2012-2017	23	0	0.418	1.16	2.34	08/05/13	0.579	1.64	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	8	0	0.491	1.64	2.63	02/01/18	0.505	2.60	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2011-2017	121	2	1	22	2,400	10/22/12	--	28 **	126	24	--	--	1	L
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	1	28	1,300	01/11/18	--	31 **	126	8	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2002-2008	14	0	2	43	1,800	08/27/02	--	65 **	126	5	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1990-2002	25	0	1	28	5,500	08/27/02	4	222	--	--	--	--	--	--
Fecal streptococci, in colonies per 100 milliliters	1990-1993	22	0	7	68	555	07/24/90	22	167	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2011-2017	122	0	47	1,400	24,000	08/13/15	210	2,400	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	170	1,850	13,000	08/22/18	254	2,855	--	--	--	--	--	--
Cadmium, in micrograms per liter	1990-1993	25	16	0 *	0 *	0.80	12/16/91	0 *	0.31	1.5	0	7.0	0	--	L
Cadmium, unfiltered, in micrograms per liter	1990-1993	25	23	0 *	0 *	2.0	07/20/90	0 *	0 *	--	--	.	--	--	--
Chromium, in micrograms per liter	1990-1993	26	24	0 *	0 *	1.0	04/10/90	0 *	0 *	169	0	.	--	--	L
Chromium, unfiltered, in micrograms per liter	1990-1993	25	17	0 *	0 *	10.0	01/14/93	0 *	4.2	--	--	.	--	--	--
Copper, in micrograms per liter	1990-1993	26	4	0 *	1.0	7.0	06/16/92	0.050	4.0	21.2	0	34.8	0	--	L
Copper, unfiltered, in micrograms per liter	1990-1993	24	2	0 *	3.0	22.0	06/11/90	1.0	11.3	--	--	.	--	--	--
Iron, in micrograms per liter	1990-2002	35	11	0 *	5.0	24.7	08/27/02	0 *	9.0	300	0	.	--	10.0	L
Iron, unfiltered, in micrograms per liter	1990-2000	31	0	20.0	192	5,400	07/20/90	80.0	760	1,000	2	.	--	--	L
Lead, in micrograms per liter	1990-1993	26	23	0 *	0 *	1.2	06/11/90	0 *	0 *	7.4	0	190	0	--	L
Lead, unfiltered, in micrograms per liter	1990-1993	24	5	0 *	1.0	33.0	07/20/90	0 *	5.3	--	--	50.0	0	--	--

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Manganese, in micrograms per liter	1990-2002	43	5	0 *	11.0	141	08/27/02	3.5	22.4	50.0	1	.	--	1.6	L
Manganese, unfiltered, in micrograms per liter	1990-2001	40	1	0 *	34.0	240	07/20/90	17.0	68.5	--	--	.	--	--	--
Nickel, in micrograms per liter	1990-1993	26	2	0 *	2.0	3.0	04/10/90	1.0	2.0	122	0	1,100	0	--	L
Nickel, unfiltered, in micrograms per liter	1990-1993	22	0	1.0	3.0	10.0	07/20/90	2.0	6.1	100	0	.	--	--	L
Silver, in micrograms per liter	1990-1993	25	23	0 *	0 *	1.0	07/24/90	0 *	0 *	1.8	0	11.5	0	--	L
Silver, unfiltered, in micrograms per liter	1990-1993	26	26	0 *	0 *	0 *	04/10/90	0 *	0 *	--	--	.	--	--	--
Zinc, in micrograms per liter	1990-1993	26	12	0 *	3.0	11.0	12/17/90	0 *	5.0	304	0	401	0	--	L
Zinc, unfiltered, in micrograms per liter	1990-1993	25	16	0 *	0 *	90.0	07/20/90	0 *	11.0	--	--	.	--	--	--
Selenium, in micrograms per liter	1990-2017	155	1	0 *	8.2	93.4	03/02/05	4.5	20.8	17.1	38	26.3	10	0.050	H
Selenium, in micrograms per liter	2018-2019	26	0	2.4	10.5	41.4	03/12/19	7.2	35.4	17.1	8	26.3	8	0.050	H
Selenium, unfiltered, in micrograms per liter	1990-2008	46	0	2.3	8.0	88.0	03/02/05	4.4	16.1	--	--	.	--	0.080	--
Uranium (natural), in micrograms per liter	2005-2017	36	0	2.7	6.6	24.5	03/02/05	4.0	9.4	30.0	0	.	--	0.010	L
Uranium (natural), in micrograms per liter	2018-2019	8	0	2.6	8.6	14.3	02/08/19	3.3	13.3	30.0	0	.	--	0.030	L
Uranium (natural), unfiltered, in micrograms per liter	2005-2008	13	0	4.1	6.7	26.8	03/02/05	4.3	10.1	--	--	.	--	0.020	--
Suspended sediment, in milligrams per liter	1990-1993	25	0	8	19	162	08/15/91	10	62	--	--	--	--	--	--