

Table 4. Summary of measured constituents and properties for Arkansas River at Canon City, Co. (ARCCANCO), station 07096000

[--, 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	170	0	159	487	4,730	06/02/14	274	1,251	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	240	427	4,650	06/13/19	264	3,495	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	49	0	7.4	8.9	12.2	01/17/91	7.9	11.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	7.6	10.2	11.9	02/12/19	7.8	11.9	6.0	0	--	--	--	L
pH, in standard units	1990-2017	65	0	7.0	8.3	8.9	12/12/13	7.9	8.5	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	7.7	8.1	8.3	02/20/18	7.8	8.3	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1990-2002	28	0	7.6	8.1	8.5	07/31/02	7.9	8.3	6.5-9.0	0	--	--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2002	28	0	129	238	365	10/24/91	158	324	--	--	.	--	2.6	--
Specific conductance, in microsiemens per centimeter	1990-2017	237	0	123	248	378	08/06/90	185	310	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	132	258	305	12/19/18	133	304	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2017	186	0	0.0	13.3	22.5	07/31/02	2.0	18.7	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	0.2	7.2	19.3	08/12/19	0.4	19.0	--	--	--	--	--	--
Temperature, water, degrees Celsius April-October	1990-2017	123	0	8.4	16.7	22.5	07/31/02	12.1	19.5	24.8	0	--	--	--	L
Temperature, water, degrees Celsius April-October	2018-2019	4	0	12.6	NC	19.3	08/12/19	NC	NC	24.8	0	--	--	--	NC
Temperature, water, degrees Celsius November-March	1991-2017	63	0	0.0	2.7	12.1	03/22/04	0.0	7.0	13.0	0	--	--	--	L
Temperature, water, degrees Celsius November-March	2018-2019	4	0	0.2	NC	1.8	12/14/17	NC	NC	13.0	0	--	--	--	NC
Dissolved solids dried at 180 degrees C, in milligrams per liter	1990-2017	62	0	69.0	147	214	10/24/91	93.3	180	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	8	0	74.4	151	187	12/19/18	80.9	185	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	2002-2016	15	0	73.2	144	175	09/15/10	83.3	172	--	--	.	--	--	--
Hardness, in milligrams per liter	2002-2016	16	0	53.5	99.2	133	09/02/09	66.0	127	--	--	.	--	--	--
Calcium, in milligrams per liter	2002-2016	16	0	16.3	28.6	39.4	09/02/09	19.9	37.6	--	--	.	--	0.026	--
Calcium, unfiltered, in milligrams per liter	2015-2016	2	0	28.3	NC	35.7	08/27/15	NC	NC	--	--	--	--	0.026	--
Magnesium, in milligrams per liter	2002-2016	16	0	3.1	6.7	8.5	09/02/09	4.0	8.0	--	--	.	--	0.0060	--
Magnesium, unfiltered, in milligrams per liter	2015-2016	2	0	6.78	NC	7.99	08/27/15	NC	NC	--	--	--	--	0.0060	--
Potassium, in milligrams per liter	2002-2016	16	0	0.85	1.6	2.0	09/02/09	1.1	1.8	--	--	.	--	0.0080	--
Potassium, unfiltered, in milligrams per liter	2015-2016	2	0	1.32	NC	1.77	08/27/15	NC	NC	--	--	--	--	0.0080	--
Sodium, in milligrams per liter	2002-2016	16	0	3.5	9.3	11.6	09/15/10	4.6	11.3	--	--	.	--	0.070	--
Sodium, unfiltered, in milligrams per liter	2015-2016	2	0	8.80	NC	11.1	08/27/15	NC	NC	--	--	--	--	0.070	--
Acid neutralizing capacity, in milligrams per liter	2002-2011	15	0	42.8	88.5	113	09/02/09	53.2	112	--	--	.	--	4.0	--
Alkalinity, water, fixed endpoint, in milligrams per liter	2015-2016	2	0	89.5	NC	104	08/27/15	NC	NC	--	--	--	--	--	--
Bromide, in micrograms per liter	2015-2016	2	1	0 *	NC	0.013	12/14/15	NC	NC	--	--	--	--	0.010	--
Chloride, in milligrams per liter	2002-2016	16	0	1.8	6.5	8.2	09/02/09	2.6	7.6	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	2002-2016	17	0	0.25	0.45	0.54	09/02/09	0.32	0.54	--	--	.	--	0.010	--
Silica, in milligrams per liter	2010-2016	5	0	4.7	NC	9.8	08/27/15	NC	NC	--	--	.	--	0.12	--
Sulfate, in milligrams per liter	2002-2016	17	0	18.0	27.5	34.7	08/27/15	19.5	32.4	250	0	.	--	0.020	L
Sulfate, unfiltered, in milligrams per liter	2015-2016	2	0	29.3	NC	33.2	08/27/15	NC	NC	--	--	--	--	0.090	--

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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 plus organic nitrogen, unfiltered, in milligrams per liter	2002-2016	4	0	0.155	NC	0.271	07/31/02	NC	NC	--	--	--	--	0.070	--
Ammonia nitrogen, in milligrams per liter	1993-2016	6	4	0 *	0 *	0.022	01/13/93	0 *	0.021	1.13	0	2.60	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	1990-1993	24	4	0 *	0.017	0.070	05/24/90	0 *	0.035	--	--	--	--	--	--
Nitrite plus nitrate, in milligrams per liter	1993-2016	6	2	0 *	0.082	0.284	12/14/15	0 *	0.279	--	--	10.0	0	0.040	--
Nitrate plus nitrite, unfiltered, in milligrams per liter	1990-1993	24	0	0.005	0.047	0.165	05/24/90	0.012	0.141	--	--	--	--	--	--
Nitrate, in milligrams per liter	2002-2016	4	2	0 *	NC	0.281	12/14/15	NC	NC	--	--	10.0	0	--	--
Nitrite nitrogen, in milligrams per liter	2002-2016	4	2	0 *	NC	0.003	08/27/15	NC	NC	--	--	0.05	0	0.0010	--
Nitrite, unfiltered, in milligrams per liter	1991	1	1	0 *	NC	0 *	11/01/90	NC	NC	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	2002-2016	4	2	0 *	NC	0.007	08/27/15	NC	NC	--	--	--	--	0.0040	--
Orthophosphate, unfiltered, in milligrams per liter	1991	1	1	0 *	NC	0 *	11/01/90	NC	NC	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2015-2016	2	0	0.007	NC	0.010	08/27/15	NC	NC	--	--	--	--	0.0030	--
Phosphorus, unfiltered, in milligrams per liter	2002-2016	4	0	0.023	NC	0.033	07/31/02	NC	NC	--	--	--	--	0.0040	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2009-2010	4	1	1	NC	63	07/20/10	--	NC**	126	0	--	--	1	NC
<i>Escherichia coli</i> , in colonies per 100 milliliters	2002	2	0	3	NC	9	08/26/02	--	NC**	126	0	--	--	1	NC
Fecal coliform, M-FC MF, in colonies per 100 milliliters	2002	2	0	2	NC	16	08/26/02	NC	NC	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2009-2010	4	0	370	NC	2,400	06/22/10	NC	NC	--	--	--	--	--	--
Aluminum, in micrograms per liter	2002-2016	9	3	0 *	5.2	25.5	06/22/10	0 *	24.3	--	--	.	--	2.0	--
Aluminum, unfiltered, in micrograms per liter	2002-2016	4	0	73.3	NC	138	07/31/02	NC	NC	488	0	3,419	0	2.0	NC
Barium, in micrograms per liter	2015-2016	2	0	45.6	NC	55.7	08/27/15	NC	NC	1,000	0	.	--	0.020	NC
Barium, unfiltered, in micrograms per liter	2015-2016	2	0	47.9	NC	57.9	08/27/15	NC	NC	--	--	.	--	0.020	--
Cadmium, in micrograms per liter	2002-2016	8	2	0 *	0.019	0.032	06/22/10	0 *	0.031	0.72	0	1.8	0	0.010	L
Cadmium, unfiltered, in micrograms per liter	2002	2	1	0 *	NC	0.095	07/31/02	NC	NC	--	--	.	--	0.12	--
Cadmium, unfiltered, in micrograms per liter	2015-2016	2	0	0.035	NC	0.050	12/14/15	NC	NC	--	--	.	--	0.010	--
Chromium, in micrograms per liter	2015-2016	2	0	0.064	NC	0.10	08/27/15	NC	NC	74.1	0	.	--	0.0010	NC
Chromium, unfiltered, in micrograms per liter	2015-2016	2	0	0.12	NC	0.13	08/27/15	NC	NC	--	--	.	--	0.0010	--
Cobalt, in micrograms per liter	2015-2016	2	0	0.023	NC	0.040	08/27/15	NC	NC	--	--	.	--	0.0010	--
Cobalt, unfiltered, in micrograms per liter	2015-2016	2	0	0.10	NC	0.11	08/27/15	NC	NC	--	--	.	--	0.0010	--
Copper, in micrograms per liter	2002-2016	3	0	0.79	NC	0.93	08/27/15	NC	NC	9.0	0	13.4	0	0.040	NC
Copper, unfiltered, in micrograms per liter	2002-2016	3	0	1.2	NC	1.7	07/31/02	NC	NC	--	--	.	--	0.040	--
Iron, in micrograms per liter	2002-2016	4	0	9.0	NC	15.3	07/31/02	NC	NC	300	0	.	--	1.0	NC
Iron, unfiltered, in micrograms per liter	2002-2016	5	0	110	NC	4,789	05/25/10	NC	NC	1,000	1	.	--	1.0	NC
Lead, in micrograms per liter	2002-2016	4	2	0 *	NC	0.074	08/27/15	NC	NC	2.5	0	64.6	0	0.0020	NC
Lead, unfiltered, in micrograms per liter	2002-2016	4	0	0.61	NC	1.5	07/31/02	NC	NC	--	--	.	--	0.0020	--
Lithium, in micrograms per liter	2015-2016	2	0	6.66	NC	7.96	08/27/15	NC	NC	--	--	--	--	0.50	--
Lithium, unfiltered, in micrograms per liter	2015-2016	2	0	6.56	NC	7.92	08/27/15	NC	NC	--	--	--	--	0.50	--

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Manganese, in micrograms per liter	2002-2016	4	0	4.2	NC	7.7	08/26/02	NC	NC	50.0	0	.	--	0.40	NC
Manganese, unfiltered, in micrograms per liter	2002-2016	4	0	19.9	NC	28.5	07/31/02	NC	NC	--	--	.	--	0.40	--
Molybdenum, in micrograms per liter	2015-2016	2	0	2.52	NC	3.39	08/27/15	NC	NC	210	0	--	--	0.10	NC
Molybdenum, unfiltered, in micrograms per liter	2015-2016	2	0	2.41	NC	3.26	08/27/15	NC	NC	150	0	--	--	0.10	NC
Nickel, in micrograms per liter	2015-2016	2	0	0.17	NC	0.19	08/27/15	NC	NC	52.0	0	468	0	0.020	NC
Nickel, unfiltered, in micrograms per liter	2015-2016	2	0	0.30	NC	0.31	12/14/15	NC	NC	100	0	.	--	0.020	NC
Silver, in micrograms per liter	2002-2016	4	4	0 *	NC	0 *	07/31/02	NC	NC	0.075	0	2.0	0	0.020	NC
Silver, unfiltered, in micrograms per liter	2002-2016	4	4	0 *	NC	0 *	07/31/02	NC	NC	--	--	.	--	0.020	--
Strontium, in micrograms per liter	2015-2016	2	0	245	NC	281	08/27/15	NC	NC	--	--	--	--	0.70	--
Strontium, unfiltered, in micrograms per liter	2015-2016	2	0	243	NC	280	08/27/15	NC	NC	--	--	--	--	0.70	--
Vanadium, in micrograms per liter	2015-2016	2	0	0.543	NC	1.04	08/27/15	NC	NC	--	--	--	--	0.020	--
Vanadium, unfiltered, in micrograms per liter	2015-2016	2	0	0.742	NC	1.25	08/27/15	NC	NC	--	--	--	--	0.020	--
Zinc, in micrograms per liter	2002-2016	10	3	0 *	2.6	6.9	12/14/15	0 *	6.8	121	0	160	0	1.5	L
Zinc, unfiltered, in micrograms per liter	2002-2016	3	1	0 *	NC	17.1	12/14/15	NC	NC	--	--	.	--	1.5	--
Arsenic, in micrograms per liter	2002-2016	4	2	0 *	NC	0.45	08/27/15	NC	NC	--	--	340	0	0.020	--
Arsenic, unfiltered in micrograms per liter	2002	2	1	0 *	NC	3.9	07/31/02	NC	NC	0.020	1	.	--	13.3	NC
Arsenic, unfiltered, tot rec in micrograms per liter	2015-2016	2	0	0.32	NC	0.49	08/27/15	NC	NC	--	--	340	0	0.020	--
Boron, in micrograms per liter	2002-2009	3	0	13.4	NC	15.9	09/02/09	NC	NC	0.75	3	.	--	4.0	NC
Selenium, in micrograms per liter	2009-2017	31	0	0.087	0.13	0.23	06/09/15	0.10	0.20	4.6	0	18.4	0	0.050	L
Selenium, in micrograms per liter	2018-2019	8	0	0.073	0.13	0.20	02/20/18	0.087	0.19	4.6	0	18.4	0	0.050	L
Selenium, unfiltered, in micrograms per liter	2015-2016	2	0	0.23	NC	0.29	08/27/15	NC	NC	--	--	.	--	0.050	--
Uranium (natural), in micrograms per liter	2009-2017	31	0	1.1	3.0	5.9	12/13/12	1.5	4.5	30.0	0	.	--	0.010	L
Uranium (natural), in micrograms per liter	2018-2019	8	0	1.0	3.8	4.7	12/19/18	1.1	4.6	30.0	0	.	--	0.030	L
Uranium, unfiltered, in micrograms per liter	2015-2016	2	0	3.91	NC	4.77	08/27/15	NC	NC	--	--	--	--	0.010	--