

Table 20. Summary of measured constituents and properties for Monument Creek at Pikeview, Co., station 07104000

[--, 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	386	0	2.9	25.0	4,890	04/30/99	15.0	60.0	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	24	0	12.9	22.2	54.8	03/06/19	15.8	34.9	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	158	0	5.8	8.6	12.0	12/16/92	6.9	11.0	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	24	0	7.5	9.7	11.5	11/13/18	7.6	11.3	5.0	0	--	--	--	L
pH, in standard units	1990-2017	159	0	7.6	8.3	8.8	12/12/90	8.1	8.6	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	24	0	8.0	8.3	8.5	02/05/19	8.1	8.4	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	1996-1997	18	0	7.8	8.1	8.3	03/19/97	7.9	8.3	6.5-9.0	0	--	--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2005	113	0	184	458	646	10/01/04	325	524	--	--	.	--	--	--
Specific conductance, laboratory, in microsiemens per centimeter	2019	6	0	525	572	667	08/05/19	525	666	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	1990-2017	350	0	104	452	1,528	03/02/15	301	550	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	24	0	509	630	1,772	03/06/19	540	959	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2017	351	0	0.0	12.5	28.5	07/17/91	1.7	22.5	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	24	0	0.0	8.6	21.6	07/09/18	0.3	17.2	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1990-2017	272	0	0.5	15.5	28.5	07/17/91	7.0	23.5	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	18	0	0.0	12.7	21.6	07/09/18	4.3	17.5	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1990-2017	79	0	0.0	0.5	12.0	02/21/96	0.0	6.0	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	6	0	0.0	0.8	5.0	02/05/19	0.0	4.9	14.3	0	--	--	--	L
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2016	1	0	17.0	NC	17.0	03/09/16	NC	NC	--	--	.	--	--	--
Biochemical oxygen demand, unfiltered, 5 days at 20 degrees Celsius, in milligrams per liter	1990-1999	105	8	0 *	0.90	18.0	03/06/91	0.40	1.5	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2017	130	0	64.0	166	232	10/04/16	111	195	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	24	0	160	208	293	11/13/18	170	250	--	--	.	--	--	--
Suspended solids, in milligrams per liter	1990-2017	119	7	0 *	100	3,750	03/06/91	47.0	259	--	--	.	--	15.0	--
Suspended solids, in milligrams per liter	2018-2019	24	4	0 *	30.5	915	03/06/19	0 *	72.0	--	--	.	--	15.0	--
Calcium, in milligrams per liter	1990-2017	130	0	21.0	55.0	74.8	10/04/16	36.3	63.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	24	0	51.2	65.5	92.0	11/13/18	53.4	78.2	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2017	130	0	2.8	7.2	11.5	10/01/15	4.8	8.6	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	24	0	7.8	10.8	16.2	01/31/19	8.6	13.5	--	--	.	--	0.010	--
Acid neutralizing capacity, in milligrams per liter	1990-1997	95	0	45.0	115	151	09/28/94	80.4	133	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2016	1	0	57.0	NC	57.0	04/07/16	NC	NC	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2017	117	0	6.9	22.0	166	02/09/16	14.0	61.9	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	24	0	57.7	79.8	398	03/06/19	65.1	166	250	2	.	--	0.020	M
Fluoride, in milligrams per liter	1990-1999	94	0	0.50	1.1	2.1	05/15/91	1.0	1.5	--	--	.	--	--	--
Sulfate, in milligrams per liter	1990-2017	128	0	23.0	64.1	86.0	08/14/96	38.3	75.0	250	0	.	--	0.020	L
Sulfate, in milligrams per liter	2018-2019	24	0	50.9	66.3	93.7	01/31/19	52.9	81.6	250	0	.	--	0.020	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	1990-1997	95	5	0 *	0.400	2.20	07/25/90	0.200	0.800	--	--	--	--	--	--

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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	1993-1999	63	23	0 *	0.020	1.30	03/23/94	0 *	0.064	1.38	1	3.37	0	--	L
Ammonia, unfiltered, in milligrams per liter	1990-2017	65	20	0 *	0.025	0.540	01/18/90	0 *	0.115	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	24	15	0 *	0 *	0.586	08/06/18	0 *	0.068	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1993-1999	66	0	0.440	1.95	3.10	01/18/95	0.905	2.70	--	--	10.0	0	--	--
Nitrate plus nitrite, unfiltered, in milligrams per liter	1990-1993	39	0	0.330	1.80	2.70	12/14/89	0.810	2.00	--	--	--	--	--	--
Nitrate plus nitrite, unfiltered, in milligrams per liter	2018-2019	21	0	0.830	1.30	2.70	01/31/19	1.00	2.30	--	--	--	--	0.020	--
Nitrate, in milligrams per liter	1993-1997	56	0	0.430	2.09	3.08	01/18/95	0.986	2.74	--	--	10.0	0	--	--
Nitrite nitrogen, in milligrams per liter	1993-1997	56	23	0 *	0.010	0.030	01/19/94	0 *	0.020	--	--	0.50	0	--	--
Nitrite, unfiltered, in milligrams per liter	1990-1993	28	1	0 *	0.020	0.070	03/06/91	0.010	0.040	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1993-1999	62	0	0.020	0.101	0.440	03/23/94	0.060	0.166	--	--	--	--	--	--
Orthophosphate, unfiltered, in milligrams per liter	1990-1993	28	0	0.060	0.145	0.280	05/13/92	0.084	0.217	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter	1999-2017	63	0	0.175	0.310	0.658	04/02/14	0.207	0.411	0.17	63	--	--	0.0040	H
Phosphorus, unfiltered, in milligrams per liter	2018-2019	24	0	0.267	0.494	1.04	03/06/19	0.331	0.626	0.17	24	--	--	0.0040	H
Total nitrogen, unfiltered, in milligrams per liter	2013-2017	57	0	0.898	1.82	2.85	03/02/15	1.21	2.29	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	24	0	1.37	2.02	3.31	03/06/19	1.48	2.76	--	--	--	--	0.050	--
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1990-1999	101	8	0 *	67	2,500	03/06/91	9	451	--	--	--	--	--	--
Fecal streptococci, in colonies per 100 milliliters	1990-1999	104	0	7	128	28,000	03/06/91	42	470	--	--	--	--	--	--
Aluminum, in micrograms per liter	1998-1999	10	0	3.0	4.6	19.2	06/23/99	3.0	13.4	1,070	0	7,492	0	--	L
Aluminum, unfiltered, in micrograms per liter	1998	3	0	2,340	NC	4,290	03/30/98	NC	NC	1,070	3	7,492	0	--	NC
Cadmium, in micrograms per liter	1990-2017	130	128	0 *	0 *	1.0	02/21/90	0 *	0 *	1.1	0	4.7	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	24	24	0 *	0 *	0 *	10/02/17	0 *	0 *	1.1	0	4.7	0	0.030	L
Cadmium, unfiltered, in micrograms per liter	1990-1999	104	96	0 *	0 *	2.0	03/06/91	0 *	0 *	--	--	.	--	--	--
Chromium(VI), in micrograms per liter	1990-1997	95	85	0 *	0 *	5.00	07/25/90	0 *	0 *	11.0	0	16.0	0	--	L
Chromium, in micrograms per liter	1990-1999	105	100	0 *	0 *	2.0	06/20/90	0 *	0 *	118	0	.	--	--	L
Chromium, unfiltered, in micrograms per liter	1990-2017	127	76	0 *	0 *	31.0	03/06/91	0 *	2.6	--	--	.	--	0.50	--
Chromium, unfiltered, in micrograms per liter	2018-2019	24	15	0 *	0 *	14.8	03/06/19	0 *	0.88	--	--	.	--	0.50	--
Copper, in micrograms per liter	1990-2017	126	48	0 *	1.0	5.0	02/24/94	0 *	1.2	14.6	0	23.0	0	0.20	L
Copper, in micrograms per liter	2018-2019	24	1	0 *	1.2	2.1	03/06/19	0.91	1.4	14.6	0	23.0	0	0.40	L
Copper, unfiltered, in micrograms per liter	1990-2017	127	1	0 *	3.0	52.0	03/06/91	1.9	5.4	--	--	.	--	0.20	--
Copper, unfiltered, in micrograms per liter	2018-2019	24	0	1.2	1.9	24.2	03/06/19	1.4	2.8	--	--	.	--	0.40	--
Iron, in micrograms per liter	1990-2017	129	19	0 *	11.0	280	06/20/90	1.5	24.0	300	0	.	--	10.0	L
Iron, in micrograms per liter	2018-2019	24	6	0 *	13.2	137	05/07/18	0 *	31.5	300	0	.	--	10.0	L
Iron, unfiltered, in micrograms per liter	1990-2017	129	0	270	1,900	10,000	02/21/90	1,023	4,090	1,000	110	.	--	10.0	H
Iron, unfiltered, in micrograms per liter	2018-2019	24	0	199	761	13,600	03/06/19	393	1,274	1,000	8	.	--	5.0	M
Lead, in micrograms per liter	1990-2017	130	104	0 *	0 *	2.0	08/24/94	0 *	0.035	4.7	0	120	0	0.020	L
Lead, in micrograms per liter	2018-2019	24	3	0 *	0.041	0.25	05/07/18	0.018	0.070	4.7	0	120	0	0.020	L

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Lead, unfiltered, in micrograms per liter	1990-1999	103	1	0 *	3.0	120	03/06/91	2.0	8.0	--	--	50.0	1	--	--
Manganese, in micrograms per liter	1990-2017	130	2	0 *	22.0	68.9	02/09/15	6.1	37.0	50.0	5	.	--	0.40	M
Manganese, in micrograms per liter	2018-2019	24	0	7.0	29.7	51.3	02/05/19	10.6	45.5	50.0	2	.	--	0.40	M
Manganese, unfiltered, in micrograms per liter	1990-2017	129	0	23.7	90.0	1,400	03/06/91	53.5	144	--	--	.	--	0.40	--
Manganese, unfiltered, in micrograms per liter	2018-2019	24	0	19.9	69.9	531	03/06/19	39.0	93.8	--	--	.	--	0.40	--
Mercury, in micrograms per liter	1998-1999	5	4	0 *	NC	0.21	02/24/99	NC	NC	--	5	.	--	--	--
Mercury, unfiltered, in micrograms per liter	1998-2017	30	23	0 *	0 *	0.024	05/13/15	0 *	0.007	0.010	3	.	--	0.0050	L
Mercury, unfiltered, in micrograms per liter	2018-2019	24	16	0 *	0 *	0.033	03/06/19	0 *	0.008	0.010	1	.	--	0.0050	L
Molybdenum, unfiltered, in micrograms per liter	2015-2017	25	0	1.00	1.38	1.68	08/02/16	1.21	1.56	--	--	--	--	0.050	--
Molybdenum, unfiltered, in micrograms per liter	2018-2019	24	0	0.790	1.46	1.65	08/05/19	1.13	1.55	--	--	--	--	0.050	--
Nickel, in micrograms per liter	1990-2017	130	40	0 *	1.0	7.7	10/20/98	0 *	2.0	84.4	0	760	0	0.20	L
Nickel, in micrograms per liter	2018-2019	24	0	0.88	1.4	2.1	09/04/18	1.1	1.7	84.4	0	760	0	0.20	L
Nickel, unfiltered, in micrograms per liter	1990-2017	128	4	0 *	2.0	36.0	03/06/91	1.3	5.0	100	0	.	--	0.20	L
Nickel, unfiltered, in micrograms per liter	2018-2019	24	0	1.3	1.8	10.7	03/06/19	1.3	2.0	100	0	.	--	0.20	L
Silver, in micrograms per liter	1998-2017	35	35	0 *	0 *	0 *	03/30/98	0 *	0 *	0.86	0	5.4	0	1.0	L
Silver, in micrograms per liter	2018-2019	24	24	0 *	0 *	0 *	10/02/17	0 *	0 *	0.86	0	5.4	0	1.0	L
Silver, unfiltered, in micrograms per liter	1998-2017	35	35	0 *	0 *	0 *	03/30/98	0 *	0 *	--	--	.	--	0.030	--
Silver, unfiltered, in micrograms per liter	2018-2019	24	23	0 *	0 *	0.073	03/06/19	0 *	0 *	--	--	.	--	0.030	--
Zinc, in micrograms per liter	1990-2017	130	62	0 *	2.7	13.0	01/08/92	0 *	6.0	204	0	269	0	2.0	L
Zinc, in micrograms per liter	2018-2019	24	3	0 *	4.5	12.7	01/31/19	2.0	6.8	204	0	269	0	2.0	L
Zinc, unfiltered, in micrograms per liter	1990-1999	104	16	0 *	20.0	580	03/06/91	0 *	40.0	--	--	.	--	--	--
Arsenic, in micrograms per liter	1998-2017	35	7	0 *	0.65	1.4	10/01/15	0 *	1.1	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	24	0	0.58	0.87	2.0	09/04/18	0.65	1.3	--	--	340	0	0.10	--
Arsenic, unfiltered in micrograms per liter	1998-2017	35	3	0 *	1.2	2.5	05/13/15	0.86	1.8	10.0	0	.	--	0.050	L
Arsenic, unfiltered in micrograms per liter	2018-2019	24	0	0.87	1.1	4.3	03/06/19	0.94	1.6	10.0	0	.	--	0.10	L
Boron, in micrograms per liter	1998-1999	10	0	20.0	40.5	53.0	12/09/98	21.3	51.1	0.75	10	.	--	--	H
Boron, unfiltered, in micrograms per liter	1998-1999	9	0	20.0	41.0	61.0	10/20/98	27.0	55.0	0.75	9	.	--	--	H
Cyanide, unfiltered, in milligrams per liter	1999-2017	28	18	0 *	0 *	0.009	07/05/17	0 *	0.006	--	--	.	--	0.010	--
Cyanide, unfiltered, in milligrams per liter	2018-2019	24	17	0 *	0 *	0.095	11/08/17	0 *	0.010	--	--	.	--	0.050	--
Selenium, in micrograms per liter	1998-2017	34	1	0 *	1.2	5.0	10/20/98	0.81	1.8	4.6	1	18.4	0	0.050	L
Selenium, in micrograms per liter	2018-2019	24	0	0.87	1.3	1.7	03/05/18	1.0	1.6	4.6	0	18.4	0	0.050	L
Selenium, unfiltered, in micrograms per liter	1998-2017	35	1	0 *	1.2	5.0	10/20/98	0.83	3.0	--	--	.	--	0.050	--
Selenium, unfiltered, in micrograms per liter	2018-2019	24	0	0.95	1.3	2.2	03/06/19	1.1	1.7	--	--	.	--	0.050	--
Suspended sediment, in milligrams per liter	1995-1997	23	0	48	245	4,250	08/05/97	61	1,542	--	--	--	--	--	--
Suspended sediment, in milligrams per liter	2019	6	0	20	43	84	06/04/19	21	83	--	--	--	--	1.0	--