Table 14. Summary of measured constituents and properties for Purgatoire River at Rock Crossing near Timpas, Co., station 07126485

[--, 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	236	0	0.14	28.0	3,540	07/20/90	9.0	115	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	2.9	13.2	272	06/12/19	5.3	190	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	19	0	6.7	8.4	11.7	11/24/14	7.4	10.2	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	7.1	8.1	10.6	11/08/18	7.3	10.3	5.0	0	--	--	--	L
pH, in standard units	1990-2017	20	0	7.8	8.3	8.5	03/23/90	8.0	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	8	0	8.0	8.3	8.4	06/12/19	8.1	8.4	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1990-2014	4	0	7.6	NC	8.3	11/04/13	NC	NC	6.5-9.0	0		--	0.10	NC
Specific conductance, laboratory, in microsiemens per centimeter	1990-2012	71	0	484	1,970	3,780	05/15/09	915	3,146	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	1990-2017	110	0	441	2,518	4,190	05/15/02	1,266	3,384	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	714	2,297	3,238	05/22/18	868	3,149	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2017	145	0	0.0	17.0	30.0	07/25/94	5.4	25.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	6.7	18.3	26.1	08/08/19	7.8	25.9	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1990-2017	127	0	1.0	19.5	30.0	07/25/94	9.5	25.2	28.6	1	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	8	0	6.7	18.3	26.1	08/08/19	7.8	25.9	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1993-2004	18	0	0.0	2.0	10.5	02/21/96	0.4	5.3	14.3	0	--	--	--	L
Dissolved solids dried at 180 degrees C, in milligrams per liter	1990-2017	20	0	443	2,347	3,170	03/23/90	957	2,978	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	8	0	481	2,006	2,874	05/22/18	650	2,840	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1990-2017	9	0	487	1,534	2,831	03/23/90	623	2,694	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	7	0	463	1,360	2,750	05/22/18	532	2,691	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2017	20	0	245	1,253	1,655	03/23/90	511	1,565	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	270	1,051	1,629	05/22/18	348	1,583	--	--	.	--	--	--
Suspended solids, in milligrams per liter	1990-1991	2	0	63.0	NC	20,900	07/20/90	NC	NC	--	--	.	--	--	--
Calcium, in milligrams per liter	1990-2017	20	0	57.0	243	320	03/27/13	128	300	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	62.7	207	293	11/17/17	77.7	290	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2017	20	0	25.0	157	220	03/23/90	57.0	196	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	27.6	130	223	05/22/18	37.5	210	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2017	20	0	3.0	5.2	8.1	08/21/14	4.7	7.5	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	1.9	4.8	11.7	08/02/18	2.8	10.0	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1990-2017	20	0	39.0	210	263	03/18/14	93.0	259	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	56.1	185	271	05/22/18	64.4	255	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1990-1991	3	0	173	NC	195	07/20/90	NC	NC	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2016-2017	6	0	108	169	193	05/24/17	111	192	--	--	.	--	4.0	--
Alkalinity, in milligrams per liter	2018-2019	7	0	120	177	209	11/17/17	122	205	--	--	.	--	4.0	--
Chloride, in milligrams per liter	1990-2017	20	0	7.6	45.9	68.3	03/18/14	24.2	56.8	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	15.0	39.6	54.8	05/22/18	15.6	54.1	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	1990-2017	20	0	0.20	0.42	1.2	03/23/90	0.35	0.50	--	--	.	--	0.010	--

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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
Fluoride, in milligrams per liter	2018-2019	8	0	0.26	0.47	0.60	08/02/18	0.31	0.56	--	--	.	--	0.010	--
Silica, in milligrams per liter	1990-2017	20	0	1.6	6.1	14.5	05/28/15	3.4	9.9	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	5.2	6.8	13.9	03/21/19	5.5	12.0	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1990-2017	20	0	230	1,264	1,900	03/23/90	516	1,718	250	19	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	8	0	183	1,170	1,794	05/22/18	278	1,732	250	7	.	--	0.020	H
Ammonia nitrogen, in milligrams per liter	2013-2017	17	4	0 *	0.024	0.068	05/20/14	0 *	0.059	1.24	0	3.42	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	8	3	0 *	0.016	0.070	05/22/18	0 *	0.055	1.19	0	3.35	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	2013-2017	16	4	0 *	0.028	0.136	08/16/13	0 *	0.064	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	8	4	0 *	0.014	0.047	05/22/18	0 *	0.047	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1990-2017	19	11	0 *	0 *	0.830	08/16/13	0 *	0.500	--	--	10.0	0	0.040	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	8	5	0 *	0 *	0.427	03/21/19	0 *	0.341	--	--	10.0	0	0.040	--
Orthophosphate, in milligrams per liter	2013-2017	17	12	0 *	0 *	0.030	08/16/13	0 *	0.013	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	8	5	0 *	0 *	0.028	03/21/19	0 *	0.021	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1990-2017	19	17	0 *	0 *	0.039	08/16/13	0 *	0 *	--	--	--	--	0.020	--
Phosphorus, in milligrams per liter	2018-2019	8	7	0 *	0 *	0.082	03/21/19	0 *	0.053	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter	2013-2017	17	0	0.016	0.085	11.7	08/16/13	0.029	0.570	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	8	0	0.017	0.037	0.615	06/12/19	0.019	0.576	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2013-2017	17	0	0.241	0.462	7.66	08/16/13	0.318	1.13	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	8	0	0.279	0.434	1.29	03/21/19	0.289	1.20	--	--	--	--	0.050	--
Escherichia coli, Defined Substrate Technology, in colonies per 100 milliliters	2013-2017	17	3	1	10	3,900	08/16/13	--	17 **	126	3	--	--	1	L
Escherichia coli, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	8	0	1	15	140	06/12/19	--	12 **	126	1	--	--	1	L
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2013-2017	17	0	50	1,400	24,000	08/16/13	286	24,000	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	8	0	250	1,635	2,400	05/22/18	257	2,400	--	--	--	--	--	--
Aluminum, in micrograms per liter	2013-2017	17	9	0 *	0 *	628	11/15/16	0 *	22.6	1,438	0	10,071	0	3.0	L
Aluminum, in micrograms per liter	2018-2019	8	6	0 *	0 *	508	03/21/19	0 *	338	1,438	0	10,071	0	3.0	L
Barium, in micrograms per liter	2013-2017	17	0	28.8	52.3	175	08/21/14	32.2	124	1,000	0	.	--	0.10	L
Barium, in micrograms per liter	2018-2019	8	0	29.7	46.6	127	08/08/19	33.2	105	1,000	0	.	--	0.10	L
Beryllium, in micrograms per liter	2013-2017	17	17	0 *	0 *	0 *	03/27/13	0 *	0 *	4.00	0	--	--	0.010	L
Beryllium, in micrograms per liter	2018-2019	8	7	0 *	0 *	0.050	03/21/19	0 *	0.033	4.00	0	--	--	0.010	L
Cadmium, in micrograms per liter	2013-2017	17	13	0 *	0 *	0.074	09/08/15	0 *	0.033	2.0	0	10.0	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	8	7	0 *	0 *	0.082	03/21/19	0 *	0.053	2.0	0	10.0	0	0.030	L
Cadmium, unfiltered, in micrograms per liter	1990-1991	2	2	0 *	NC	0 *	07/20/90	NC	NC	--	--	.	--	--	--
Chromium, in micrograms per liter	1990-2017	19	17	0 *	0 *	1.0	11/15/90	0 *	0 *	231	0	.	--	0.50	L
Chromium, in micrograms per liter	2018-2019	8	7	0 *	0 *	1.1	03/21/19	0 *	0.72	231	0	.	--	0.50	L
Cobalt, in micrograms per liter	2013-2017	17	0	0.27	0.66	1.1	03/18/14	0.38	0.96	--	--	.	--	0.030	--

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Cobalt, in micrograms per liter	2018-2019	8	2	0 *	0.34	1.0	03/21/19	0 *	0.91	--	--	.	--	0.030	--
Copper, in micrograms per liter	2013-2017	17	12	0 *	0 *	1.6	08/16/13	0 *	1.2	29.3	0	49.6	0	0.20	L
Copper, in micrograms per liter	2018-2019	8	7	0 *	0 *	2.8	03/21/19	0 *	1.8	29.3	0	49.6	0	0.40	L
Copper, unfiltered, in micrograms per liter	1990-1991	2	0	4.0	NC	500	07/20/90	NC	NC	--	--	.	--	--	--
Iron, in micrograms per liter	1990-2017	20	5	0 *	11.3	644	11/15/16	0 *	41.5	300	1	.	--	10.0	L
Iron, in micrograms per liter	2018-2019	8	6	0 *	0 *	1,204	03/21/19	0 *	787	300	1	.	--	10.0	H
Iron, unfiltered, in micrograms per liter	1990-1991	2	0	1,500	NC	410,000	07/20/90	NC	NC	1,000	2	.	--	--	NC
Lead, in micrograms per liter	2013-2017	17	15	0 *	0 *	1.1	05/20/14	0 *	0.20	10.9	0	281	0	0.020	L
Lead, in micrograms per liter	2018-2019	8	7	0 *	0 *	0.93	03/21/19	0 *	0.61	10.9	0	281	0	0.020	L
Lead, unfiltered, in micrograms per liter	1990-1991	2	0	2.0	NC	3.0	07/20/90	NC	NC	--	--	50.0	0	--	--
Manganese, in micrograms per liter	1990-2017	20	0	1.2	50.5	180	07/20/90	9.4	126	50.0	10	.	--	0.40	H
Manganese, in micrograms per liter	2018-2019	8	0	1.5	30.3	51.8	03/21/19	7.6	49.1	50.0	1	.	--	0.20	M
Manganese, unfiltered, in micrograms per liter	1990-1991	2	0	60.0	NC	10,000	07/20/90	NC	NC	--	--	.	--	--	--
Molybdenum, in micrograms per liter	2013-2017	17	0	2.97	5.99	11.0	09/08/15	4.37	9.44	210	0	--	--	0.050	L
Molybdenum, in micrograms per liter	2018-2019	8	0	2.29	5.70	14.9	08/02/18	3.14	12.0	210	0	--	--	0.050	L
Nickel, in micrograms per liter	2013-2017	17	0	1.4	3.1	6.2	11/24/14	1.8	4.9	168	0	1,513	0	0.20	L
Nickel, in micrograms per liter	2018-2019	8	2	0 *	1.7	3.7	03/21/19	0 *	3.1	168	0	1,513	0	0.20	L
Silver, in micrograms per liter	2013-2017	17	17	0 *	0 *	0 *	03/27/13	0 *	0 *	3.5	0	22.0	0	1.0	L
Silver, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/17/17	0 *	0 *	3.5	0	22.0	0	1.0	L
Zinc, in micrograms per liter	2013-2017	17	17	0 *	0 *	0 *	03/27/13	0 *	0 *	428	0	564	0	2.0	L
Zinc, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/17/17	0 *	0 *	428	0	564	0	2.0	L
Zinc, unfiltered, in micrograms per liter	1990-1991	2	0	20.0	NC	2,100	07/20/90	NC	NC	--	--	.	--	--	--
Antimony, in micrograms per liter	2013-2017	17	1	0 *	0.231	0.608	09/08/15	0.114	0.452	5.60	0	--	--	0.030	L
Antimony, in micrograms per liter	2018-2019	8	3	0 *	0.231	0.724	08/02/18	0 *	0.634	5.60	0	--	--	0.060	L
Arsenic, in micrograms per liter	2013-2017	17	0	0.56	0.89	1.5	08/21/14	0.61	1.2	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	8	2	0 *	0.73	1.3	08/02/18	0 *	1.3	--	--	340	0	0.10	--
Cyanide, unfiltered, in milligrams per liter	1990-1991	2	2	0 *	NC	0 *	07/20/90	NC	NC	--	--	.	--	--	--
Selenium, in micrograms per liter	2013-2017	17	0	1.4	2.8	4.4	05/28/15	1.6	3.8	4.6	0	18.4	0	0.050	M
Selenium, in micrograms per liter	2018-2019	8	0	1.2	2.0	3.6	11/17/17	1.4	3.2	4.6	0	18.4	0	0.050	M
Uranium (natural), in micrograms per liter	2013-2017	17	0	3.1	11.1	17.8	03/27/13	6.4	16.1	30.0	0	.	--	0.010	M
Uranium (natural), in micrograms per liter	2018-2019	8	0	3.3	9.7	16.6	11/17/17	3.7	15.8	30.0	0	.	--	0.030	M
Suspended sediment, in milligrams per liter	1990-2004	139	0	7	157	40,800	07/26/90	28	1,250	--	--	--	--	--	--