

Table 36. Summary of measured constituents and properties for Williams Creek at mouth near Wigwam, Co., station 383347104373401

[--, 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	2003-2017	47	0	0.010	0.46	2.0	10/28/13	0.19	1.3	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	0.010	0.19	0.35	09/04/19	0.048	0.32	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2003-2017	47	0	3.4	8.0	13.4	03/10/16	5.8	10.7	5.0	5	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	0.4	8.3	13.1	01/30/19	4.8	11.5	5.0	1	--	--	--	H
pH, in standard units	2003-2017	47	0	7.7	8.0	8.4	02/26/13	7.8	8.1	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	12	0	7.5	7.9	8.2	03/05/18	7.6	8.1	6.5-9.0	0	--	--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	2008-2013	6	0	1,645	1,796	2,010	10/16/08	1,649	2,006	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	2003-2017	47	0	1,350	1,906	2,529	07/06/17	1,722	2,055	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	1,704	1,876	2,136	05/03/19	1,744	2,135	--	--	.	--	--	--
Temperature, water, degrees Celsius	2003-2017	47	0	2.5	15.0	28.0	07/21/03	7.9	21.8	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	12	0	2.0	12.6	22.7	07/11/18	3.4	22.2	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	2003-2017	43	0	6.2	15.8	28.0	07/21/03	8.5	22.1	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	10	0	3.5	17.6	22.7	07/11/18	3.6	22.3	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2013-2017	4	0	2.5	NC	8.5	02/18/14	NC	NC	14.3	0	--	--	--	NC
Temperature, water, degrees Celsius December-February	2018-2019	2	0	2.0	NC	4.6	01/30/19	NC	NC	14.3	0	--	--	--	NC
Hardness, in milligrams per liter	2004	1	0	670	NC	670	10/14/03	NC	NC	--	--	.	--	--	--
Calcium, in milligrams per liter	2004	1	0	172	NC	172	10/14/03	NC	NC	--	--	.	--	0.010	--
Magnesium, in milligrams per liter	2004	1	0	58.3	NC	58.3	10/14/03	NC	NC	--	--	.	--	0.0080	--
Fluoride, in milligrams per liter	2004	1	0	2.9	NC	2.9	10/14/03	NC	NC	--	--	.	--	0.17	--
Sulfate, in milligrams per liter	2004	1	0	613	NC	613	10/14/03	NC	NC	250	1	.	--	0.90	NC
Ammonia nitrogen, in milligrams per liter	2003-2013	28	1	0 *	0.043	0.196	05/01/03	0.024	0.083	2.13	0	5.86	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	2016-2017	11	0	0.028	0.051	0.093	01/14/16	0.035	0.073	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	12	3	0 *	0.050	0.187	11/20/18	0 *	0.093	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	2003-2013	28	1	0 *	0.221	1.98	05/24/04	0.076	0.595	--	--	10.0	0	0.040	--
Orthophosphate, in milligrams per liter	2003-2013	28	0	0.009	0.034	0.294	07/19/04	0.017	0.153	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2003-2017	47	0	0.031	0.084	0.488	07/21/03	0.053	0.245	0.17	8	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter	2018-2019	12	0	0.042	0.102	0.421	05/15/18	0.046	0.213	0.17	2	--	--	0.0040	M
Total nitrogen, unfiltered, in milligrams per liter	2011-2017	24	0	0.611	0.918	2.64	11/01/16	0.698	1.60	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	12	0	0.440	0.650	1.15	01/18/18	0.440	1.14	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2008-2013	12	0	17	92	330	07/19/12	--	74 **	126	4	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2003-2008	16	0	4	190	410	07/19/04	--	125 **	126	10	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	2003-2008	16	0	14	170	320	05/25/05	55	234	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2008-2013	12	0	250	2,400	11,000	07/17/08	507	2,830	--	--	--	--	--	--
Copper, in micrograms per liter	2004	1	0	1.9	NC	1.9	10/14/03	NC	NC	29.3	0	49.6	0	0.40	NC
Copper, unfiltered, in micrograms per liter	2004	1	0	5.5	NC	5.5	10/14/03	NC	NC	--	--	.	--	0.60	--

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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
Lead, unfiltered, in micrograms per liter	2004	1	0	0.20	NC	0.20	10/14/03	NC	NC	--	--	50.0	0	0.060	--
Manganese, in micrograms per liter	2004	1	0	270	NC	270	10/14/03	NC	NC	50.0	1	.	--	0.20	NC
Manganese, unfiltered, in micrograms per liter	2004	1	0	284	NC	284	10/14/03	NC	NC	--	--	.	--	1.2	--
Nickel, unfiltered, in micrograms per liter	2004	1	0	7.1	NC	7.1	10/14/03	NC	NC	100	0	.	--	0.16	NC
Zinc, in micrograms per liter	2004	1	0	1.1	NC	1.1	10/14/03	NC	NC	428	0	564	0	0.60	NC
Zinc, unfiltered, in micrograms per liter	2004	1	0	2.6	NC	2.6	10/14/03	NC	NC	--	--	.	--	2.0	--
Arsenic, unfiltered in micrograms per liter	2004	1	0	1.1	NC	1.1	10/14/03	NC	NC	0.020	1	.	--	1.9	NC
Boron, in micrograms per liter	2004	1	0	361	NC	361	10/14/03	NC	NC	0.75	1	.	--	8.0	NC
Boron, unfiltered, in micrograms per liter	2004	1	0	356	NC	356	10/14/03	NC	NC	0.75	1	.	--	8.0	NC
Selenium, in micrograms per liter	2004-2015	10	0	1.9	2.4	4.2	10/14/03	2.0	3.2	4.6	0	18.4	0	0.050	M
Selenium, unfiltered, in micrograms per liter	2004-2013	2	0	1.7	NC	5.0	10/14/03	NC	NC	--	--	.	--	0.050	--
Suspended sediment, in milligrams per liter	2003-2013	27	0	3	19	308	10/05/09	8	57	--	--	--	--	1.0	--