Table 3. Summary of measured constituents and properties for Piceance Creek at White River, Co., station 09306222

[--, 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	1990-2012	191	0	1.1	24.2	551	05/05/98	4.3	50.7	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	8	0	0.70	9.7	19.0	12/03/13	2.5	18.7	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	88	0	3.8	9.7	14.4	12/02/10	8.5	11.4	5.0	1	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	8	0	7.3	11.2	11.5	02/04/14	7.6	11.5	5.0	0	--	--	--	L
pH, in standard units	1990-2012	91	0	8.1	8.6	8.9	07/08/91	8.4	8.8	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	8	0	8.3	8.6	9.0	06/12/13	8.4	8.9	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2009	63	0	1,042	2,010	4,650	05/18/94	1,604	3,663	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	1990-2012	192	0	707	2,100	4,840	06/22/90	1,632	3,543	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	8	0	2,049	2,306	5,103	06/12/13	2,083	4,916	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	188	0	-0.1	10.5	28.8	07/09/12	1.0	19.6	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	8	0	-0.1	6.7	25.8	06/12/13	-0.1	23.1	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1990-2012	154	0	0.0	12.9	28.8	07/09/12	6.0	20.6	27.5	2	--	--	--	L
Temperature, water, degrees Celsius March-November	2013-2014	5	0	5.8	NC	25.8	06/12/13	NC	NC	27.5	0	--	--	--	NC
Temperature, water, degrees Celsius December-February	1990-2012	34	0	-0.1	0.0	6.5	02/24/95	0.0	2.2	13.8	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2013-2014	3	0	-0.1	NC	0.8	12/03/13	NC	NC	13.8	0	--	--	--	NC
Residue, in milligrams per liter	1999-2012	53	0	679	1,376	2,985	07/31/02	1,120	2,504	--	--	.	--	20.0	--
Residue, in milligrams per liter	2013-2014	8	0	1,355	1,526	3,516	06/12/13	1,378	3,380	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1990-2012	90	0	685	1,332	3,132	07/08/91	1,071	2,394	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2013-2014	8	0	1,377	1,527	3,003	06/12/13	1,415	2,933	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2012	90	0	314	492	618	11/18/94	436	554	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	8	0	340	552	661	04/29/14	377	630	--	--	.	--	--	--
Residue (total), in milligrams per liter	1999-2012	52	24	0 *	15.5	1,016	05/10/11	0 *	196	--	--	.	--	15.0	--
Residue (total), in milligrams per liter	2013	4	1	0 *	NC	154	09/09/13	NC	NC	--	--	.	--	15.0	--
Turbidity, unfiltered, laboratory, in nephelometric turbidity units	2002	1	0	1.54	NC	1.54	07/31/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1990-2012	90	0	13.6	66.8	89.3	02/23/06	31.7	77.4	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	8	0	15.5	66.1	77.9	02/04/14	16.3	77.8	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2012	90	0	40.0	85.0	110	10/09/03	69.4	99.6	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	8	0	71.4	90.5	122	04/29/14	73.9	113	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2012	90	0	2.1	3.2	6.4	07/20/04	2.6	4.4	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2013-2014	8	0	2.7	3.7	5.9	09/09/13	2.7	5.4	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1990-2012	90	0	104	290	1,000	07/08/91	212	773	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2013-2014	8	0	306	386	1,139	06/12/13	318	1,100	--	--	.	--	0.060	--
Acid neutralizing capacity, unfiltered, in milligrams per liter	1998	1	0	343	NC	343	04/30/98	NC	NC	--	--	--	--	--	--
Acid neutralizing capacity, in milligrams per liter	1990-1999	36	0	319	619	1,920	05/18/94	497	1,413	--	--	.	--	--	--
Alkalinity, fixed endpoint titration, in milligrams per liter as calcium carbonate	1999-2012	19	0	504	870	1,967	07/31/02	525	1,472	--	--	.	--	4.6	--

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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
Alkalinity, inflection-point titration in milligrams per liter as calcium carbonate	1998-2012	45	0	381	731	1,900	07/31/02	558	1,521	--	--	.	--	--	--
Alkalinity, inflection-point titration in milligrams per liter as calcium carbonate	2013-2014	8	0	750	853	2,003	09/09/13	754	1,943	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	1998-2012	47	0	417	857	1,903	07/31/02	616	1,666	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	2013-2014	8	0	881	1,005	2,241	09/09/13	885	2,133	--	--	.	--	--	--
Bromide, in micrograms per liter	2001	1	0	0.185	NC	0.185	12/06/00	NC	NC	--	--	--	--	--	--
Bromide, in micrograms per liter	2014	4	4	0 *	NC	0 *	12/03/13	NC	NC	--	--	--	--	0.030	--
Carbonate, in milligrams per liter	1998-2012	45	0	5.6	21.2	204	07/31/02	9.5	96.0	--	--	.	--	--	--
Carbonate, in milligrams per liter	2013-2014	8	0	10.9	20.5	148	06/12/13	12.5	131	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2012	90	0	13.6	39.0	190	07/08/91	27.3	119	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	8	0	43.4	50.4	209	06/12/13	43.7	195	250	0	.	--	0.020	M
Fluoride, in milligrams per liter	1990-2012	90	0	0.47	0.95	3.4	07/31/02	0.78	2.2	--	--	.	--	0.040	--
Fluoride, in milligrams per liter	2013-2014	8	0	0.88	1.1	3.6	06/12/13	0.93	3.5	--	--	.	--	0.010	--
Silica, in milligrams per liter	1990-2012	89	0	3.2	14.5	18.2	08/12/99	8.6	16.5	--	--	.	--	0.018	--
Silica, in milligrams per liter	2013-2014	8	0	5.6	9.6	16.6	02/04/14	6.1	16.3	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	1990-2012	90	0	197	416	770	07/08/91	329	508	--	--	.	--	0.090	--
Sulfate, in milligrams per liter	2013-2014	8	0	299	428	526	04/29/14	331	505	--	--	.	--	0.020	--
Ammonia plus organic nitrogen, in milligrams per liter as N	1990-2012	73	1	0 *	0.490	0.956	07/20/04	0.339	0.700	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, in milligrams per liter as N	2013-2014	8	0	0.315	0.553	1.02	09/09/13	0.330	0.970	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1990-2012	73	23	0 *	0.026	0.277	02/22/05	0 *	0.167	1.07	0	2.83	0	0.010	L
Ammonia, in milligrams per liter as N	2013-2014	8	1	0 *	0.024	0.243	02/04/14	0.004	0.224	1.19	0	2.71	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1990-2012	73	26	0 *	0.365	1.99	04/30/98	0 *	0.697	100	0	--	--	0.040	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	8	4	0 *	0.098	0.544	01/24/13	0 *	0.507	100	0	--	--	0.040	L
Nitrite, in milligrams per liter as N	1990-2012	73	32	0 *	0.005	0.030	09/01/93	0 *	0.020	0.05	0	--	--	0.0010	L
Nitrite, in milligrams per liter as N	2013-2014	8	3	0 *	0.002	0.011	01/24/13	0 *	0.011	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1990-2012	73	2	0 *	0.036	0.112	03/02/11	0.020	0.059	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	8	0	0.024	0.084	0.191	09/09/13	0.025	0.176	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1990-2012	73	12	0 *	0.043	0.113	03/24/03	0 *	0.076	--	--	--	--	0.020	--
Phosphorus, in milligrams per liter as P	2013-2014	8	0	0.024	0.076	0.190	09/09/13	0.025	0.173	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter as P	2002	1	0	0.058	NC	0.058	07/31/02	NC	NC	0.11	0	--	--	0.0037	NC
Escherichia coli, in colonies per 100 milliliters	2004-2009	21	0	1	49	1,700	05/13/08	--	48 **	205	2	--	--	1	L
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	2002-2004	9	1	1	29	200	06/26/02	--	24 **	205	0	--	--	1	L
Aluminum, in micrograms per liter	1999-2012	54	4	0 *	2.8	18.2	08/16/01	1.6	5.8	1,438	0	10,071	0	2.2	L
Aluminum, in micrograms per liter	2013-2014	8	3	0 *	2.9	30.8	09/09/13	0 *	22.0	1,438	0	10,071	0	2.2	L
Barium, in micrograms per liter	1991-2012	69	2	0 *	107	200	11/07/91	86.1	162	--	--	.	--	0.070	--
Barium, in micrograms per liter	2013-2014	8	0	94.5	106	139	04/29/14	95.0	136	--	--	.	--	0.25	--

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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
Beryllium, in micrograms per liter	1999-2012	53	50	0 *	0 *	0.080	02/23/06	0 *	0 *	100	0	--	--	0.0060	L
Beryllium, in micrograms per liter	2013-2014	8	4	0 *	0.0041	0.042	06/12/13	0 *	0.037	100	0	--	--	0.020	L
Cadmium, in micrograms per liter	1999-2012	53	12	0 *	0.035	0.11	04/07/02	0 *	0.054	1.2	0	9.1	0	0.016	L
Cadmium, in micrograms per liter	2013-2014	8	2	0 *	0.036	0.079	04/29/14	0 *	0.078	1.2	0	9.1	0	0.030	L
Chromium, in micrograms per liter	1999-2012	53	23	0 *	0.16	0.71	08/21/08	0 *	0.37	--	--	.	--	0.070	--
Chromium, in micrograms per liter	2013-2014	8	5	0 *	0 *	0.52	09/09/13	0 *	0.43	--	--	.	--	0.30	--
Cobalt, in micrograms per liter	1991-2012	68	18	0 *	0.40	2.0	03/28/91	0 *	0.76	--	--	.	--	0.021	--
Cobalt, in micrograms per liter	2013-2014	8	0	0.35	0.62	1.7	09/09/13	0.40	1.6	--	--	.	--	0.050	--
Copper, in micrograms per liter	1999-2012	53	9	0 *	1.7	8.9	08/16/01	0 *	3.1	29.3	0	49.6	0	0.80	L
Copper, in micrograms per liter	2013-2014	8	6	0 *	0 *	2.9	08/07/14	0 *	2.7	29.3	0	49.6	0	0.80	L
Iron, in micrograms per liter	1991-2012	69	14	0 *	11.7	460	03/03/92	0 *	27.8	--	--	.	--	3.2	--
Iron, in micrograms per liter	2013-2014	8	0	8.3	27.6	62.6	09/09/13	9.9	61.1	--	--	.	--	4.0	--
Lead, in micrograms per liter	1999-2012	53	28	0 *	0 *	0.26	05/30/07	0 *	0.084	10.9	0	281	0	0.025	L
Lead, in micrograms per liter	2013-2014	8	2	0 *	0.076	0.16	08/07/14	0 *	0.16	10.9	0	281	0	0.040	L
Lithium, in micrograms per liter	1991-2012	68	0	10.5	25.1	107	07/31/02	17.6	69.3	--	--	--	--	0.22	--
Lithium, in micrograms per liter	2013-2014	8	0	24.6	33.6	105	06/12/13	24.7	103	--	--	--	--	0.22	--
Manganese, in micrograms per liter	1991-2012	68	4	0 *	16.0	151	11/04/05	4.0	61.5	2,618	0	4,738	0	0.13	L
Manganese, in micrograms per liter	2013-2014	8	0	2.9	31.7	65.6	04/29/14	3.9	65.1	2,618	0	4,738	0	0.40	L
Mercury, in micrograms per liter	1999-2012	53	47	0 *	0 *	0.064	11/15/01	0 *	0 *	--	--	.	--	0.0050	--
Mercury, in micrograms per liter	2013	4	4	0 *	NC	0 *	11/19/12	NC	NC	--	--	.	--	0.0050	--
Molybdenum, in micrograms per liter	1991-2012	68	0	5.00	9.27	14.3	05/10/11	7.44	10.5	300	0	--	--	0.014	L
Molybdenum, in micrograms per liter	2013-2014	8	0	7.25	8.48	11.2	06/12/13	7.51	10.7	300	0	--	--	0.050	L
Nickel, in micrograms per liter	1991-2012	68	8	0 *	1.6	3.7	11/13/02	0.97	2.8	168	0	1,513	0	0.090	L
Nickel, in micrograms per liter	2013-2014	8	0	1.3	2.0	2.6	04/29/14	1.3	2.5	168	0	1,513	0	0.20	L
Silver, in micrograms per liter	1999-2012	53	38	0 *	0 *	0.047	07/09/12	0 *	0.017	3.5	0	22.0	0	0.0050	L
Silver, in micrograms per liter	2013-2014	8	3	0 *	0.016	0.094	06/12/13	0 *	0.086	3.5	0	22.0	0	0.020	L
Strontium, in micrograms per liter	1990-2012	89	0	1,200	2,522	3,596	10/11/07	2,004	2,989	--	--	--	--	0.20	--
Strontium, in micrograms per liter	2013-2014	8	0	1,536	2,815	3,188	11/19/12	1,696	3,162	--	--	--	--	0.80	--
Thallium, in, micrograms per liter	1999-2000	5	5	0 *	NC	0 *	08/12/99	NC	NC	--	--	--	--	--	--
Vanadium, in micrograms per liter	1999-2012	53	7	0 *	7.82	18.3	04/22/04	4.27	10.9	--	--	--	--	0.080	--
Vanadium, in micrograms per liter	2013-2014	8	0	5.45	7.40	12.6	06/12/13	5.53	11.8	--	--	--	--	0.080	--
Zinc, in micrograms per liter	1991-2012	69	30	0 *	1.2	18.0	03/03/92	0 *	2.7	428	0	564	0	1.4	L
Zinc, in micrograms per liter	2013-2014	8	8	0 *	0 *	0 *	11/19/12	0 *	0 *	428	0	564	0	2.0	L
Antimony, in micrograms per liter	1999-2012	54	15	0 *	0.162	0.564	05/10/11	0 *	0.249	640	0	--	--	0.027	L
Antimony, in micrograms per liter	2013-2014	8	0	0.123	0.185	0.363	09/09/13	0.132	0.339	640	0	--	--	0.027	L
Arsenic, in micrograms per liter	1991-2012	69	0	1.8	3.0	8.0	07/20/04	2.3	5.4	150	0	340	0	0.030	L

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Arsenic, in micrograms per liter	2013-2014	8	0	2.1	3.7	10.0	06/12/13	2.1	9.3	150	0	340	0	0.10	L
Boron, in micrograms per liter	1990-2012	89	0	93.1	255	870	05/18/94	187	537	750	2	.	--	3.0	M
Boron, in micrograms per liter	2013-2014	8	0	227	317	757	06/12/13	230	712	750	1	.	--	5.0	M
Selenium, in micrograms per liter	1999-2012	53	13	0 *	1.1	2.5	05/24/00	0 *	1.6	4.6	0	18.4	0	0.030	L
Selenium, in micrograms per liter	2013-2014	8	0	0.55	0.85	1.5	01/24/13	0.62	1.3	4.6	0	18.4	0	0.050	L
Benzene, unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	51.0	0	.	--	0.10	NC
Ethylbenzene, unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	2,100	0	.	--	0.10	NC
Methyl tert-butyl ether, unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	--	--	--	--	0.20	--
m-Xylene plus p-xylene, unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	--	--	.	--	0.20	--
Organic carbon, in milligrams per liter	1991-2012	68	0	3.9	6.3	12.4	07/09/12	4.5	8.9	--	--	.	--	0.23	--
Organic carbon, in milligrams per liter	2013-2014	8	0	4.6	7.9	11.9	04/29/14	4.7	11.8	--	--	.	--	0.23	--
o-Xylene, unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	--	--	.	--	0.10	--
Toluene,unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	--	--	.	--	0.10	--
Xylene (all isomers), unfiltered, in micrograms per liter	2008-2009	4	4	0 *	NC	0 *	03/26/08	NC	NC	--	--	--	--	0.20	--
Uranium (natural), in micrograms per liter	1999-2012	53	0	3.0	3.6	4.2	06/26/02	3.3	3.9	30.0	0	.	--	0.0040	L
Uranium (natural), in micrograms per liter	2013-2014	8	0	2.6	3.5	3.9	04/29/14	2.8	3.9	30.0	0	.	--	0.014	L
Suspended sediment, sieve diameter, percent smaller than 0.0625 millimeters	1993-2009	19	0	59.0	89.0	99.4	03/24/03	75.2	97.2	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	1990-2012	90	0	4	157	4,099	04/30/98	25	620	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2013-2014	8	0	6	30	189	09/09/13	8	143	--	--	--	--	1.0	--