

Table 14. Summary of measured constituents and properties for Cebolla Creek at Powderhorn, station 381633107054700

[--, 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	1999-2017	91	0	9.3	55.0	468	06/01/99	26.6	147	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	19.5	45.9	632	06/07/19	20.2	150	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1999-2017	98	0	6.6	9.0	13.9	03/11/10	7.5	10.9	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	7.2	8.9	11.2	11/15/17	7.5	11.0	6.0	0	--	--	--	L
pH, in standard units	1999-2017	95	0	5.8	7.8	8.6	09/02/04	7.5	8.1	6.5-9.0	1	--	--	--	L
pH, in standard units	2018-2019	12	0	7.4	7.8	8.3	08/17/18	7.4	8.1	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	1999-2017	98	0	81.4	132	232	06/10/02	111	153	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	90.0	132	204	07/19/18	94.8	162	--	--	.	--	--	--
Temperature, degrees Celsius	1999-2017	98	0	-0.1	7.3	21.9	07/17/03	0.0	15.6	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	12	0	0.0	5.6	21.8	07/19/18	0.0	18.1	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1999-2017	66	0	0.0	11.2	21.9	07/17/03	5.7	17.0	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2018-2019	8	0	3.4	12.9	21.8	07/19/18	3.5	20.4	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	2000-2017	32	0	-0.1	0.0	7.2	03/28/16	0.0	2.5	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2018-2019	4	0	0.0	NC	0.5	03/12/18	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2008-2017	60	12	0 *	2.9	18.5	05/22/14	0 *	7.7	--	--	--	--	2.0	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	12	4	0 *	2.6	19.6	06/07/19	0 *	19.0	--	--	--	--	2.0	--
Dissolved solids, sum of constituents, in milligrams per liter	2014-2017	15	0	67.8	95.4	107	09/09/16	75.5	105	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	69.9	98.7	141	07/19/18	71.8	131	--	--	.	--	--	--
Hardness, in milligrams per liter	2001-2017	93	0	34.2	52.4	93.2	06/10/02	43.1	62.7	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	12	0	35.2	53.3	86.3	07/19/18	39.1	65.5	--	--	.	--	--	--
Calcium, in milligrams per liter	2001-2017	93	0	10.4	16.2	26.7	06/10/02	13.3	19.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	12	0	10.9	16.5	25.8	07/19/18	12.0	19.6	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2001-2017	93	0	2.0	3.0	6.4	06/10/02	2.5	3.6	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	12	0	1.9	2.9	5.3	07/19/18	2.2	4.0	--	--	.	--	0.010	--
Potassium, in milligrams per liter	2014-2017	15	0	1.5	1.8	2.1	10/09/15	1.6	2.1	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	1.8	2.1	3.4	07/19/18	1.8	3.3	--	--	.	--	0.30	--
Sodium, in milligrams per liter	2014-2017	15	0	3.3	4.5	5.3	01/27/15	3.7	5.1	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	3.7	4.9	7.4	07/19/18	3.7	6.7	--	--	.	--	0.40	--
Alkalinity, in milligrams per liter	2014-2016	2	0	31.7	NC	44.1	03/14/14	NC	NC	--	--	.	--	4.0	--
Alkalinity, Gran titration, in milligrams per liter	2016-2017	2	0	32.8	NC	40.4	08/18/16	NC	NC	--	--	--	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2014-2017	12	0	28.3	42.5	46.9	08/05/14	29.8	46.3	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	28.5	40.7	83.5	07/19/18	29.2	73.5	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2014-2017	12	0	34.4	51.4	56.8	08/05/14	36.3	56.3	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	34.7	49.5	101	07/19/18	35.6	88.9	--	--	.	--	--	--
Carbonate, in milligrams per liter	2014-2017	11	1	0 *	0.10	0.20	08/05/14	0 *	0.20	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	3	0 *	0.10	0.50	07/19/18	0 *	0.36	--	--	.	--	--	--

Table 14. Summary of measured constituents and properties for Cebolla Creek at Powderhorn, station 381633107054700

[--, 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
Chloride, in milligrams per liter	2007-2017	57	0	0.64	0.94	1.6	03/12/12	0.75	1.2	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	0.78	1.1	2.0	05/17/18	0.86	1.8	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	2014-2017	15	0	0.089	0.13	0.15	01/27/15	0.093	0.14	--	--	.	--	0.010	--
Fluoride, in milligrams per liter	2018-2019	8	0	0.093	0.13	0.30	07/19/18	0.10	0.26	--	--	.	--	0.010	--
Silica, in milligrams per liter	2014-2017	15	0	18.9	25.7	28.2	01/27/15	22.1	27.6	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	22.0	27.9	31.5	07/19/18	22.2	30.7	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	2014-2017	15	0	10.3	15.5	22.8	11/04/14	11.2	22.3	250	0	.	--	0.020	L
Sulfate, in milligrams per liter	2018-2019	8	0	9.5	15.9	21.5	09/05/19	10.4	21.1	250	0	.	--	0.020	L
Ammonia plus organic nitrogen in milligrams per liter as N	1999-2017	86	1	0 *	0.170	0.594	05/22/14	0.097	0.341	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter as N	2018-2019	12	1	0 *	0.173	0.651	04/26/19	0.080	0.614	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1999-2017	97	80	0 *	0 *	0.023	12/04/13	0 *	0.006	3.11	0	8.86	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	12	7	0 *	0 *	0.025	03/12/18	0 *	0.017	3.19	0	9.68	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1999-2017	98	47	0 *	0.010	0.332	05/18/16	0 *	0.085	--	--	10.0	0	0.010	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	12	4	0 *	0.076	0.273	01/17/18	0 *	0.183	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1999-2017	98	68	0 *	0 *	0.002	03/18/02	0 *	0.001	--	--	0.05	0	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	12	11	0 *	0 *	0.001	05/17/18	0 *	0.0001	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	1999-2017	86	0	0.015	0.037	0.054	08/12/02	0.031	0.047	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	0	0.031	0.040	0.059	04/26/19	0.033	0.050	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1999-2004	6	0	0.037	0.045	0.055	12/08/99	0.037	0.055	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	1999-2017	98	0	0.026	0.069	0.265	08/09/01	0.051	0.104	0.11	12	--	--	0.0040	M
Phosphorus (total), in milligrams per liter as P	2018-2019	12	0	0.051	0.064	0.308	04/26/19	0.056	0.198	0.11	3	--	--	0.0040	M
<i>Escherichia coli</i> , in colonies per 100 milliliters	2007-2017	62	6	1	15	190	08/05/14	--	11 **	126	3	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2018-2019	12	1	1	17	220	06/07/19	--	11 **	126	2	--	--	1	L
Biomass periphyton, ashfree drymass, in grams per square meter	2008	1	0	4.10	NC	4.10	09/25/08	NC	NC	--	--	--	--	0.10	--
Periphyton, biomass, ash weight, in grams per square meter	2008	1	0	146	NC	146	09/25/08	NC	NC	--	--	--	--	0.10	--
Periphyton, biomass, dry weight, in grams per square meter	2008	1	0	150	NC	150	09/25/08	NC	NC	--	--	--	--	0.10	--
Chlorophyll a, periphyton, chromofluoro, in milligrams per square meter	2008	1	0	4.76	NC	4.76	09/25/08	NC	NC	150	0	--	--	0.10	NC
Pheophytin a, periphyton, in milligrams per square meter	2008	1	0	0.990	NC	0.990	09/25/08	NC	NC	--	--	--	--	0.10	--
Aluminum, in micrograms per liter	2008-2017	60	0	6.1	17.3	223	03/30/17	9.7	60.4	--	--	.	--	3.0	--
Aluminum, in micrograms per liter	2018-2019	12	0	4.1	8.9	230	04/26/19	5.7	218	--	--	.	--	3.0	--
Aluminum (total), in micrograms per liter	2011-2017	41	0	36.9	126	1,061	05/22/14	57.7	455	181	13	1,267	0	3.0	M
Aluminum (total), in micrograms per liter	2018-2019	12	0	13.7	102	1,833	04/26/19	49.7	1,314	181	4	1,267	2	3.0	M
Barium, in micrograms per liter	2007-2017	64	0	14.9	19.3	42.6	06/13/13	16.9	23.1	--	--	.	--	0.10	--
Barium, in micrograms per liter	2018-2019	12	0	15.6	18.2	45.2	07/19/18	16.9	33.7	--	--	.	--	0.10	--
Barium (total), in micrograms per liter	2007-2017	64	0	18.8	22.4	45.3	06/13/13	20.1	30.4	--	--	.	--	0.10	--
Barium (total), in micrograms per liter	2018-2019	12	0	19.3	23.7	59.6	04/26/19	19.6	50.6	--	--	.	--	0.10	--

Table 14. Summary of measured constituents and properties for Cebolla Creek at Powderhorn, station 381633107054700

[--, 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
Cadmium, in micrograms per liter	2001-2017	94	89	0 *	0 *	0.065	10/11/01	0 *	0 *	0.42	0	0.91	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	12	12	0 *	0 *	0 *	11/15/17	0 *	0 *	0.42	0	0.91	0	0.030	L
Chromium, in micrograms per liter	2007-2017	64	57	0 *	0 *	0.17	10/28/08	0 *	0 *	--	--	.	--	0.50	--
Chromium, in micrograms per liter	2018-2019	12	12	0 *	0 *	0 *	11/15/17	0 *	0 *	--	--	.	--	0.50	--
Chromium (total), in micrograms per liter	2007-2017	64	58	0 *	0 *	0.47	05/22/14	0 *	0 *	--	--	.	--	0.50	--
Chromium (total), in micrograms per liter	2018-2019	12	9	0 *	0 *	0.54	04/26/19	0 *	0.53	--	--	.	--	0.50	--
Copper, in micrograms per liter	2001-2017	94	40	0 *	0.44	1.3	08/05/14	0 *	0.90	4.8	0	6.8	0	0.20	L
Copper, in micrograms per liter	2018-2019	12	1	0 *	0.89	2.0	06/07/19	0.49	1.5	4.8	0	6.8	0	0.40	L
Iron, in micrograms per liter	2008-2017	60	0	17.6	83.4	338	03/30/17	41.5	156	300	2	.	--	10.0	M
Iron, in micrograms per liter	2018-2019	12	0	30.5	99.3	277	06/07/19	36.8	237	300	0	.	--	10.0	M
Lead, in micrograms per liter	2001-2017	94	67	0 *	0 *	0.14	04/01/13	0 *	0.052	1.1	0	29.1	0	0.020	L
Lead, in micrograms per liter	2018-2019	12	7	0 *	0 *	0.094	06/07/19	0 *	0.061	1.1	0	29.1	0	0.020	L
Manganese, in micrograms per liter	2001-2017	94	0	6.4	19.4	93.2	06/10/02	12.8	39.3	1,295	0	2,345	0	0.40	L
Manganese, in micrograms per liter	2018-2019	12	0	14.2	20.5	54.7	05/17/18	14.5	49.6	1,295	0	2,345	0	0.40	L
Silver, in micrograms per liter	2001-2017	94	94	0 *	0 *	0 *	08/09/01	0 *	0 *	0.022	0	0.58	0	1.0	L
Silver, in micrograms per liter	2018-2019	12	12	0 *	0 *	0 *	11/15/17	0 *	0 *	0.022	0	0.58	0	1.0	L
Zinc, in micrograms per liter	2001-2017	94	76	0 *	0 *	7.0	08/22/07	0 *	0.61	62.7	0	82.7	0	2.0	L
Zinc, in micrograms per liter	2018-2019	11	10	0 *	0 *	2.4	03/12/18	0 *	0.48	62.7	0	82.7	0	2.0	L
Arsenic, in micrograms per liter	2007-2017	64	0	0.34	0.59	1.2	07/18/11	0.46	0.71	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	12	0	0.45	0.54	1.2	07/19/18	0.48	0.96	--	--	340	0	0.10	--
Arsenic (total), in micrograms per liter	2007-2017	64	0	0.44	0.75	1.3	07/18/11	0.57	1.0	0.020	64	.	--	0.050	H
Arsenic (total), in micrograms per liter	2018-2019	12	0	0.55	0.82	1.4	07/19/18	0.57	1.2	0.020	12	.	--	0.10	H
Selenium, in micrograms per liter	2001-2007	34	26	0 *	0 *	0.29	08/09/01	0 *	0.060	4.6	0	18.4	0	0.080	L
Suspended sediment, in milligrams per liter	1999-2017	59	0	1	6	93	06/01/99	3	23	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	12	0	1	6	117	06/07/19	2	92	--	--	--	--	1.0	--