Table 7. Summary of measured constituents and properties for Big Thompson River near Estes Park, Co., station 06735500

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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
Instantaneous discharge, in cubic feet per second	2000-2017	212	0	12.3	80.1	737	06/02/03	24.2	182	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	12	0	14.4	78.6	181	06/05/18	20.6	170	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2017	209	0	7.1	9.7	12.0	01/13/03	8.1	10.9	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	12	0	7.6	9.7	11.3	03/07/18	7.9	11.0	6.0	0	--	--	--	L
pH, in standard units	2000-2017	208	0	6.8	7.7	9.1	09/09/02	7.3	8.1	6.5-9.0	2		--	--	L
pH, in standard units	2018-2019	11	0	7.0	7.5	7.9	09/11/18	7.3	7.8	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	2000-2017	88	0	6.6	7.5	8.3	11/14/05	7.1	7.8	6.5-9.0	0		--	--	L
Specific conductance, laboratory,	2002-2011	72	0	19.6	53.7	108	04/14/03	30.8	68.4	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2000-2017	211	0	18.0	51.0	107	04/14/03	28.0	65.0	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	12	0	26.0	52.5	62.0	11/06/18	28.9	59.2	--	--	.	--	--	--
Temperature, Degrees Celsius	2000-2017	212	0	0.8	8.0	19.0	07/22/02	2.4	15.6	--	--	--	--	--	--
Temperature, Degrees Celsius	2018-2019	12	0	1.4	8.1	17.3	08/07/18	2.1	17.2	--	--	--	--	--	--
Temperature, Degrees Celsius April-October	2000-2017	143	0	3.2	10.7	19.0	07/22/02	6.6	16.9	23.9	0	--	--	--	L
Temperature, Degrees Celsius April-October	2018-2019	8	0	4.2	9.6	17.3	08/07/18	5.3	17.2	23.9	0	--	--	--	L
Temperature, Degrees Celsius November-March	2001-2017	69	0	0.8	2.5	7.7	11/03/15	1.6	3.9	13.0	0	--	--	--	L
Temperature, Degrees Celsius November-March	2018-2019	4	0	1.4	NC	4.8	11/07/17	NC	NC	13.0	0	--	--	--	NC
Turbidity, in nephlometric turbidity ratio-units	2005-2017	145	62	0 *	1.7	13.6	10/21/13	0 *	3.6	--	--	--	--	--	--
Turbidity, in nephlometric turbidity ratio-units	2018-2019	12	6	0 *	1.1	3.5	11/06/18	0 *	3.2	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2000-2017	208	9	0 *	38.0	74.0	11/05/01	22.6	48.2	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	12	1	0 *	39.9	48.4	10/10/18	28.8	48.2	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2002-2017	183	1	0 *	27.5	54.1	04/14/03	15.0	35.3	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	12	0	14.2	28.2	33.3	11/06/18	15.2	30.9	--	--	.	--	--	--
Hardness, in milligrams per liter	2000-2017	208	0	6.4	19.3	34.8	04/14/03	10.0	25.1	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	12	0	9.2	20.4	23.2	03/07/18	9.9	23.0	--	--	.	--	--	--
Noncarbonate hardness, in milligrams per liter as CaCO3	2004	1	0	1.60	NC	1.60	02/09/04	NC	NC	--	--	--	--	--	--
Calcium, in milligrams per liter	2000-2017	208	0	1.8	5.7	9.7	04/14/03	2.9	7.6	--	--	.	--	--	--
Calcium, in milligrams per liter	2018-2019	12	0	2.7	6.0	7.0	03/07/18	2.9	6.7	--	--	.	--	--	--
Magnesium, in milligrams per liter	2000-2017	208	0	0.42	1.2	2.6	04/14/03	0.65	1.5	--	--	.	--	--	--
Magnesium, in milligrams per liter	2018-2019	12	0	0.63	1.3	1.5	11/06/18	0.63	1.4	--	--	.	--	--	--
Potassium, in milligrams per liter	2002-2017	184	1	0 *	0.62	1.3	04/14/03	0.38	0.80	--	--	.	--	--	--
Potassium, in milligrams per liter	2018-2019	12	0	0.37	0.55	0.71	03/07/18	0.45	0.68	--	--	.	--	--	--
Sodium, in milligrams per liter	2000-2017	208	0	0.98	2.1	5.9	04/14/03	1.4	2.9	--	--	.	--	--	--
Sodium, in milligrams per liter	2018-2019	12	0	1.4	2.3	3.0	11/06/18	1.5	2.8	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2017	184	0	6.5	21.2	31.4	03/11/09	10.6	27.6	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2018-2019	12	0	10.6	22.2	25.4	03/07/18	11.7	25.2	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2004	1	0	26.0	NC	26.0	02/09/04	NC	NC	--	--	.	--	--	--

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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
Bicarbonate, laboratory in milligrams per liter	2000-2002	24	0	10.0	24.0	35.0	03/18/02	16.5	31.3	--	--	--	--	--	--
Carbonate, laboratory in milligrams per liter	2000-2002	24	24	0 *	0 *	0 *	08/29/00	0 *	0 *	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2017	207	10	0 *	1.1	10.8	04/14/03	0.64	1.9	250	0	.	--	--	L
Chloride, in milligrams per liter	2018-2019	12	0	0.59	1.1	2.7	11/07/17	0.74	2.4	250	0	.	--	--	L
Sulfate, in milligrams per liter	2000-2017	207	7	0 *	2.8	6.6	04/14/03	1.7	3.8	250	0	.	--	--	L
Sulfate, in milligrams per liter	2018-2019	12	0	1.6	2.9	3.2	03/07/18	1.7	3.1	250	0	.	--	--	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2000-2017	212	0	0.092	0.224	0.864	10/11/11	0.179	0.300	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2018-2019	12	0	0.151	0.204	0.264	10/10/18	0.160	0.235	--	--	--	--	--	--
Ammonia, in milligrams per liter as N	2000-2017	212	68	0 *	0.012	0.171	11/15/04	0 *	0.031	3.51	0	10.9	0	--	L
Ammonia, in milligrams per liter as N	2018-2019	12	6	0 *	0.006	0.040	11/06/18	0 *	0.036	4.11	0	13.6	0	--	L
Nitrite plus nitrate, in milligrams per liter as N	2000-2017	212	5	0 *	0.053	0.532	01/07/02	0.020	0.111	--	--	10.0	0	--	--
Nitrite plus nitrate, in milligrams per liter as N	2018-2019	12	0	0.011	0.042	0.107	06/05/18	0.023	0.106	--	--	10.0	0	--	--
Orthophosphate, in milligrams per liter as P	2000-2017	212	126	0 *	0 *	0.022	11/12/13	0 *	0.006	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	2018-2019	12	9	0 *	0 *	0.018	11/06/18	0 *	0.011	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2000-2017	212	20	0 *	0.005	0.040	11/12/13	0.003	0.009	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2018-2019	12	0	0.003	0.005	0.020	11/06/18	0.003	0.016	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2000-2017	212	1	0 *	0.016	0.055	11/08/16	0.012	0.026	0.11	0	--	--	--	L
Phosphorus, unfiltered, in milligrams per liter as P	2018-2019	12	0	0.007	0.015	0.039	11/06/18	0.008	0.029	0.11	0	--	--	--	L
Copper, in micrograms per liter	2000-2017	207	28	0 *	0.95	7.9	02/14/08	0.54	2.3	2.4	28	11.0	0	--	M
Copper, in micrograms per liter	2018-2019	12	0	0.57	0.89	2.0	10/11/17	0.76	1.5	2.4	0	11.0	0	--	M
Iron, in micrograms per liter	2000-2017	208	14	0 *	55.3	686	11/12/13	30.0	109	300	5	.	--	--	L
Iron, in micrograms per liter	2018-2019	12	0	31.0	69.3	219	11/06/18	31.8	170	300	0	.	--	--	M
Lead, in micrograms per liter	2000-2017	208	86	0 *	0.031	0.68	10/17/07	0 *	0.080	0.46	1	11.7	0	--	L
Lead, in micrograms per liter	2018-2019	12	3	0 *	0.029	0.063	10/10/18	0 *	0.044	0.46	0	11.7	0	--	L
Manganese, in micrograms per liter	2000-2017	208	18	0 *	4.2	105	10/21/13	1.6	8.8	989	0	1,791	0	--	L
Manganese, in micrograms per liter	2018-2019	12	0	1.9	3.5	52.0	11/06/18	2.2	12.4	989	0	1,791	0	--	L
Mercury, in nanograms per liter	2005-2017	35	0	0.50	2.0	5.9	06/09/10	1.1	3.7	10.0	0	.	--	--	L
Mercury, in nanograms per liter	2018-2019	4	0	0.88	NC	2.1	05/08/18	NC	NC	10.0	0	.	--	--	NC
Nickel, in micrograms per liter	2000-2017	207	43	0 *	0.24	3.2	05/12/15	0 *	0.43	14.2	0	128	0	--	L
Nickel, in micrograms per liter	2018-2019	12	5	0 *	0.22	0.34	04/10/18	0 *	0.33	14.2	0	128	0	--	L
Silver, in micrograms per liter	2000-2017	208	204	0 *	0 *	0.10	11/14/05	0 *	0 *	0.005	4	0.14	0	--	L
Silver, in micrograms per liter	2018-2019	12	12	0 *	0 *	0 *	10/11/17	0 *	0 *	0.005	0	0.14	0	--	L
Zinc, in micrograms per liter	2006	1	0	8.3	NC	8.3	12/12/05	NC	NC	30.0	0	39.6	0	--	NC
Arsenic, in micrograms per liter	2000-2017	208	29	0 *	0.17	0.88	05/12/15	0.080	0.22	--	--	340	0	--	--
Arsenic, in micrograms per liter	2018-2019	12	0	0.11	0.15	0.20	09/11/18	0.12	0.19	--	--	340	0	--	--
Selenium, in micrograms per liter	2005-2007	5	2	0 *	NC	0.060	06/06/06	NC	NC	4.6	0	18.4	0	--	NC

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Benzene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/29/00	0 *	0 *	2.2	0	.	--	--	L
Ethylbenzene (total), in micrograms per liter	2000-2008	108	106	0 *	0 *	0.90	10/22/01	0 *	0 *	530	0	.	--	--	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	111	110	0 *	0 *	0.41	07/07/03	0 *	0 *	1,400	0	.	--	--	L
Organic carbon (total), in milligrams per liter	2000-2017	187	0	1.8	3.6	8.8	05/23/05	3.0	4.6	--	--	.	--	--	--
Organic carbon (total), in milligrams per liter	2018-2019	12	0	3.1	3.5	5.1	05/08/18	3.2	4.5	--	--	.	--	--	--
o-Xylene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/29/00	0 *	0 *	1,400	0	.	--	--	L
Toluene (total), in micrograms per liter	2000-2008	111	109	0 *	0 *	0.72	07/07/03	0 *	0 *	510	0	.	--	--	L