Table 16. Summary of measured constituents and properties for Big Thompson River at I-25 near Loveland, Co., station 06741530

[--, 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; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, 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	2001-2017	200	0	1.3	23.3	1,237	06/09/15	10.3	76.1	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	20	0	0.99	26.7	93.6	07/08/19	16.4	45.6	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2001-2017	195	0	4.9	9.0	16.4	05/16/07	7.5	11.6	5.0	1	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	20	0	7.5	9.8	14.0	02/07/18	8.6	12.3	5.0	0	--	--	--	L
pH, in standard units	2001-2017	199	0	7.1	8.0	8.8	06/14/01	7.8	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	20	0	7.7	8.2	8.7	02/07/18	7.9	8.3	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	2001-2007	79	0	6.8	7.7	8.6	04/18/01	7.5	8.0	6.5-9.0	0		--	--	L
Specific conductance, laboratory,	2002-2007	71	0	301	771	1,643	03/27/03	441	1,239	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2001-2017	200	0	102	802	1,738	05/06/09	431	1,225	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	20	0	315	870	1,513	09/11/18	446	1,234	--	--	.	--	--	--
Temperature, Degrees Celsius	2001-2017	200	0	0.0	12.1	23.6	08/15/07	5.0	18.9	--	--	--	--	--	--
Temperature, Degrees Celsius	2018-2019	20	0	3.9	12.8	27.3	07/10/18	5.4	20.8	--	--	--	--	--	--
Temperature, Degrees Celsius March-November	2001-2017	169	0	4.0	13.5	23.6	08/15/07	7.6	19.4	29.0	0	--	--	--	L
Temperature, Degrees Celsius March-November	2018-2019	18	0	3.9	14.1	27.3	07/10/18	7.7	21.3	29.0	0	--	--	--	L
Temperature, Degrees Celsius December-February	2002-2017	31	0	0.0	3.5	6.5	12/08/08	1.4	5.1	14.5	0	--	--	--	L
Temperature, Degrees Celsius December-February	2018-2019	2	0	5.0	NC	5.3	02/07/18	NC	NC	14.5	0	--	--	--	NC
Turbidity, in nephlometric turbidity ratio-units	2005-2017	144	23	0 *	5.4	45.4	05/12/14	0 *	16.8	--	--	--	--	--	--
Turbidity, in nephlometric turbidity ratio-units	2018-2019	20	3	0 *	5.8	19.3	02/07/18	0.4	10.4	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2001-2017	200	0	74.1	558	1,408	05/06/09	280	920	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	20	0	189	596	1,133	09/11/18	267	850	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2002-2017	184	0	56.7	512	1,290	05/06/09	250	867	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	20	0	183	572	1,046	09/11/18	273	810	--	--	.	--	--	--
Hardness, in milligrams per liter	2001-2017	200	0	34.5	317	782	05/06/09	163	498	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	20	0	116	356	657	09/11/18	173	459	--	--	.	--	--	--
Noncarbonate hardness, in milligrams per liter as CaCO3	2004	1	0	360	NC	360	02/12/04	NC	NC	--	--	--	--	--	--
Calcium, in milligrams per liter	2001-2017	200	0	8.8	73.3	170	05/06/09	39.5	114	--	--	.	--	--	--
Calcium, in milligrams per liter	2018-2019	20	0	27.4	84.1	143	09/11/18	41.4	113	--	--	.	--	--	--
Magnesium, in milligrams per liter	2001-2017	200	0	3.0	32.8	86.7	05/06/09	16.1	51.6	--	--	.	--	--	--
Magnesium, in milligrams per liter	2018-2019	20	0	11.6	35.3	73.0	09/11/18	16.9	48.8	--	--	.	--	--	--
Potassium, in milligrams per liter	2002-2017	184	0	0.92	3.4	8.8	01/16/03	1.9	7.5	--	--	.	--	--	--
Potassium, in milligrams per liter	2018-2019	20	0	1.4	3.9	8.5	03/07/18	2.0	6.4	--	--	.	--	--	--
Sodium, in milligrams per liter	2001-2017	200	0	5.4	47.7	135	03/27/03	22.3	90.9	--	--	.	--	--	--
Sodium, in milligrams per liter	2018-2019	20	0	16.9	53.6	98.0	03/07/18	23.1	88.3	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2017	184	0	21.0	116	259	05/06/09	65.3	157	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2018-2019	20	0	48.1	130	208	09/11/18	71.6	169	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2004	1	0	132	NC	132	02/12/04	NC	NC	--	--	.	--	--	--

Table 16. Summary of measured constituents and properties for Big Thompson River at I-25 near Loveland, Co., station 06741530

[--, 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; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, 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
Bicarbonate, laboratory in milligrams per liter	2001-2002	16	0	85.0	160	220	02/07/02	103	195	--	--	--	--	--	--
Carbonate, laboratory in milligrams per liter	2001-2002	16	15	0 *	0 *	12.0	04/18/01	0 *	0 *	--	--	--	--	--	--
Chloride, in milligrams per liter	2001-2017	200	0	3.2	19.3	74.4	12/13/07	8.8	42.1	--	--	.	--	--	--
Chloride, in milligrams per liter	2018-2019	20	0	9.9	31.1	67.1	03/05/19	14.7	62.7	--	--	.	--	--	--
Sulfate, in milligrams per liter	2001-2017	200	0	21.0	262	715	05/06/09	121	429	--	--	.	--	--	--
Sulfate, in milligrams per liter	2018-2019	20	0	83.8	273	540	09/11/18	122	373	--	--	.	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2001-2017	199	0	0.282	0.593	6.33	01/15/04	0.448	1.30	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2018-2019	20	0	0.351	0.468	6.62	04/09/19	0.371	1.32	--	--	--	--	--	--
Ammonia, in milligrams per liter as N	2001-2017	199	4	0 *	0.031	4.26	01/15/04	0.017	0.206	2.21	5	5.75	1	--	L
Ammonia, in milligrams per liter as N	2018-2019	20	2	0 *	0.025	5.40	04/09/19	0.012	0.411	1.77	1	4.48	1	--	L
Nitrite plus nitrate, in milligrams per liter as N	2001-2017	199	0	0.223	2.32	12.6	02/12/04	0.821	8.13	--	--	100	0	--	--
Nitrite plus nitrate, in milligrams per liter as N	2018-2019	20	0	0.467	1.94	6.88	03/07/18	0.740	4.86	--	--	100	0	--	--
Orthophosphate, in milligrams per liter as P	2001-2017	199	0	0.029	0.433	2.36	04/13/09	0.162	1.79	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	2018-2019	20	0	0.032	0.230	2.03	03/07/18	0.041	0.791	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2001-2017	199	0	0.035	0.470	2.34	02/12/04	0.181	1.82	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2018-2019	20	0	0.042	0.254	2.35	03/07/18	0.046	0.881	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2001-2017	199	0	0.138	0.533	2.54	02/13/03	0.251	1.86	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2018-2019	20	0	0.068	0.318	2.30	03/07/18	0.089	0.928	--	--	--	--	--	--
Copper, in micrograms per liter	2001-2017	200	9	0 *	2.3	32.7	02/10/14	1.2	4.4	29.3	1	49.6	0	--	L
Copper, in micrograms per liter	2018-2019	20	2	0 *	1.3	4.2	02/12/19	0.84	2.2	29.3	0	49.6	0	--	L
Iron, in micrograms per liter	2001-2017	200	10	0 *	41.8	470	03/21/02	17.4	69.3	--	--	.	--	--	--
Iron, in micrograms per liter	2018-2019	20	2	0 *	30.8	103	11/06/18	10.5	55.9	--	--	.	--	--	--
Lead, in micrograms per liter	2001-2017	200	20	0 *	0.11	1.9	10/16/08	0.042	0.38	10.9	0	281	0	--	L
Lead, in micrograms per liter	2018-2019	20	5	0 *	0.049	0.18	03/07/18	0 *	0.15	10.9	0	281	0	--	L
Manganese, in micrograms per liter	2001-2017	200	1	0 *	39.0	332	05/06/09	19.8	76.1	2,618	0	4,738	0	--	L
Manganese, in micrograms per liter	2018-2019	20	0	12.2	32.5	236	04/09/19	21.3	76.6	2,618	0	4,738	0	--	L
Mercury, in nanograms per liter	2005-2017	52	0	0.60	1.7	11.4	05/14/15	0.90	3.4	10.0	2	.	--	--	L
Mercury, in nanograms per liter	2018-2019	4	0	0.66	NC	1.6	05/08/18	NC	NC	10.0	0	.	--	--	NC
Nickel, in micrograms per liter	2001-2017	200	8	0 *	1.3	20.5	06/06/02	0.65	3.6	168	0	1,513	0	--	L
Nickel, in micrograms per liter	2018-2019	20	2	0 *	0.80	1.5	08/07/18	0.39	1.4	168	0	1,513	0	--	L
Silver, in micrograms per liter	2001-2017	200	180	0 *	0 *	0.14	12/16/05	0 *	0 *	3.5	0	22.0	0	--	L
Silver, in micrograms per liter	2018-2019	20	20	0 *	0 *	0 *	10/10/17	0 *	0 *	3.5	0	22.0	0	--	L
Arsenic, in micrograms per liter	2001-2017	199	17	0 *	0.47	1.1	08/14/03	0.32	0.75	--	--	340	0	--	--
Arsenic, in micrograms per liter	2018-2019	20	1	0 *	0.38	0.88	07/10/18	0.29	0.73	--	--	340	0	--	--
Selenium, in micrograms per liter	2005-2017	135	0	0.40	2.5	7.1	05/06/09	1.2	4.0	4.6	10	18.4	0	--	M
Selenium, in micrograms per liter	2018-2019	20	0	0.90	2.6	4.1	03/05/19	1.2	3.9	4.6	0	18.4	0	--	M

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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
Benzene (total), in micrograms per liter	2001-2008	95	95	0 *	0 *	0 *	03/14/01	0 *	0 *	51.0	0	.	--	--	L
Ethylbenzene (total), in micrograms per liter	2001-2008	93	91	0 *	0 *	0.70	10/25/01	0 *	0 *	2,100	0	.	--	--	L
m- + p-Xylene (total) in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1,400	0	.	--	--	L
Organic carbon (total), in milligrams per liter	2001-2017	172	0	2.0	5.5	11.5	05/14/15	4.3	7.3	--	--	.	--	--	--
Organic carbon (total), in milligrams per liter	2018-2019	20	0	3.8	5.5	7.8	04/09/19	4.3	7.5	--	--	.	--	--	--
o-Xylene (total), in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1,400	0	.	--	--	L
Toluene (total), in micrograms per liter	2001-2008	96	93	0 *	0 *	0.90	05/08/03	0 *	0 *	5,900	0	.	--	--	L