

Table 19. Summary of measured constituents and properties for Big Thompson River at Loveland, Co., station 06741510
[--, 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]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	2000-2008	134	0	2.30	26.7	222	08/19/04	4.42	89.9	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	22	0	3.40	6.56	697	06/09/10	3.72	84.5	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	13	0 *	4.2	24.3	07/27/05	0 *	13.0	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	5	0 *	2.1	49.1	07/14/09	0 *	13.6	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	118	0	6.1	9.5	14.2	02/06/02	8.2	11.6	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	21	0	7.4	10.0	15.8	05/03/10	8.1	13.2	5.0	0	--	--	--	L
pH, in standard units	2000-2008	120	0	7.5	8.2	8.7	10/24/01	7.8	8.4	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.5	8.0	8.6	03/09/10	7.8	8.3	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	134	0	122	617	1972	12/13/07	266	1518	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	89.0	1101	1590	05/06/09	326	1521	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	135	0	0.5	12.5	23.0	07/18/01	4.0	19.5	30.0	0	--	--	--	L
Temperature, Degrees C	2009-2010	21	0	1.0	11.7	22.6	08/11/09	2.8	19.8	30.0	0	--	--	--	L
Calcium, in milligrams per liter	2000-2008	121	1	0 *	60.4	220	03/10/04	26.4	179	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	7.97	125	191	01/06/09	30.8	178	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	121	1	0 *	26.1	88.9	03/16/07	8.63	68.7	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	2.75	47.1	71.2	05/06/09	11.9	67.8	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	0.60	2.00	4.60	12/11/03	1.01	3.87	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.80	2.82	3.80	05/06/09	0.96	3.72	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	111	1	0 *	28.2	166	12/13/07	9.29	81.7	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	4.12	56.1	107	05/03/10	13.0	84.7	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	93	0	22.6	78.8	221	12/11/03	45.5	190	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	17.5	149	214	01/06/09	44.1	188	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	111	1	0 *	7.91	169	12/13/07	3.90	32.7	--	--	--	--	0.12	--
Chloride, in milligrams per liter	2009-2010	21	0	2.55	22.5	48.4	11/17/09	5.41	42.7	--	--	--	--	--	--
Fluoride in milligrams per liter	2000-2000	2	0	0.23	0.25	0.28	01/10/00	0.23	0.28	--	--	--	--	--	--
Silica, in milligrams per liter	2000-2000	2	0	4.32	6.22	8.11	01/10/00	4.32	8.11	--	--	--	--	--	--
Sulfate, in milligrams per liter	2000-2008	111	1	0 *	223	769	03/10/04	68.8	648	--	--	--	--	0.18	--
Sulfate, in milligrams per liter	2009-2010	21	0	19.1	423	688	05/06/09	96.9	630	--	--	--	--	--	--
Residue, in milligrams per liter	2000-2008	111	0	10.0	465	1535	12/13/07	174	1242	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	66.1	826	1283	05/06/09	211	1205	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2001-2008	109	0	0.147	0.311	1.11	06/19/03	0.235	0.433	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	21	0	0.197	0.330	0.512	07/14/09	0.216	0.462	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	121	22	0 *	0.015	0.591	12/09/04	0 *	0.043	1.95	0	4.87	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	21	5	0 *	0.013	0.086	03/09/10	0 *	0.023	2.17	0	5.46	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	121	1	0 *	0.197	0.811	12/13/07	0.084	0.547	100	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	21	0	0.107	0.251	0.628	01/06/09	0.132	0.511	100	0	--	--	--	L
Nitrite nitrogen, in milligrams per liter	2000-2000	12	12	0 *	0 *	0 *	10/12/99	0 *	0 *	0.05	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	121	57	0 *	0.003	0.032	06/19/03	0 *	0.007	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	21	4	0 *	0.008	0.018	02/02/10	0 *	0.012	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	121	14	0 *	0.008	0.049	06/19/03	0.003	0.012	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	21	0	0.003	0.010	0.020	02/02/10	0.004	0.016	--	--	--	--	--	--

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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	Standard or Chronic standard	Number of exceedences Chronic	Acute standard	Number of exceedences Acute	LRL	Level of concern
Phosphorus (total), in milligrams per liter	2001-2008	109	0	0.004	0.028	0.190	06/19/03	0.011	0.048	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	21	0	0.009	0.024	0.102	07/14/09	0.011	0.050	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2001-2008	80	2	0 *	3.98	9.30	06/08/05	2.82	4.98	--	--	--	--	0.5	--
Organic carbon (total), in milligrams per liter	2009-2010	21	0	2.80	4.08	7.60	06/09/10	3.13	5.04	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	111	19	0 *	0.41	1.10	07/23/03	0 *	0.67	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.21	0.37	0.91	08/11/09	0.26	0.60	--	--	--	--	--	--
Cadmium, in micrograms per liter	2000-2000	2	2	0 *	0 *	0 *	01/10/00	0 *	1.20	0	9.15	0	--	L	
Cadmium (total), in micrograms per liter	2000-2000	11	10	0 *	0 *	0.06	08/07/00	0 *	0.01	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	121	16	0 *	1.84	9.66	05/24/06	0.74	3.35	29.3	0	49.6	0	1	L
Copper, in micrograms per liter	2009-2010	21	4	0 *	0.86	2.90	04/05/10	0 *	1.99	29.3	0	49.6	0	--	L
Iron, in micrograms per liter	2001-2008	109	9	0 *	32.8	550	03/20/02	10.1	61.3	1000	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	11.5	29.0	129	06/09/10	15.4	65.3	1000	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	111	51	0 *	0.05	0.65	07/12/07	0 *	0.14	10.9	0	281	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	8	0 *	0.03	0.09	06/09/10	0 *	0.06	10.9	0	281	0	--	L
Manganese, in micrograms per liter	2001-2008	109	1	0 *	24.0	159	05/22/03	12.0	72.0	2618	0	4738	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	13.8	29.8	129	04/05/10	19.5	58.3	2618	0	4738	0	--	L
Mercury, in nanograms per liter	2005-2008	11	0	0.30	1.70	12.7	02/12/08	0.84	5.98	10.0	1	--	--	0.04	M
Mercury, in nanograms per liter	2009-2010	17	0	0.26	0.65	6.48	06/09/10	0.35	3.12	10.0	0	--	--	--	L
Nickel, in micrograms per liter	2000-2008	111	10	0 *	1.37	9.02	12/11/02	0.47	5.34	168	0	1513	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.32	1.46	4.34	11/17/09	0.50	2.80	168	0	1513	0	--	L
Selenium, in micrograms per liter	2000-2008	11	0	0.07	1.44	4.66	01/10/00	0.53	4.28	4.60	1	18.4	0	0.04	M
Selenium, in micrograms per liter	2009-2010	7	0	1.35	3.95	7.29	05/03/10	1.45	6.72	4.60	1	18.4	0	--	H
Silver, in micrograms per liter	2000-2008	121	120	0 *	0 *	0.05	11/16/06	0 *	0 *	3.47	0	22.0	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	14	0 *	0 *	0.01	09/14/09	0 *	0.01	3.47	0	22.0	0	--	L
Zinc, in micrograms per liter	2000-2000	2	2	0 *	0 *	0 *	01/10/00	0 *	0 *	405	0	467	0	--	L
Benzene (total), in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2001-2008	93	90	0 *	0 *	0.70	09/12/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	510	0	--	--	0.4	L