

Table 21. 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]

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	2001-2008	109	0	1.34	19.6	265	08/19/04	9.17	49.4	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	21	0	1.57	19.4	1150	06/08/10	8.92	63.2	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	8	0 *	3.2	40.1	07/27/06	0.4	17.6	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	20	5	0 *	2.1	18.5	08/11/10	0 *	7.5	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2001-2008	105	0	5.4	9.0	16.4	05/16/07	7.0	12.2	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	21	0	4.9	9.2	13.1	03/09/10	7.4	12.1	5.0	1	--	--	--	L
pH, in standard units	2001-2008	108	0	7.1	8.0	8.8	06/14/01	7.8	8.4	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.9	8.1	8.4	04/05/10	7.9	8.3	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2001-2008	109	0	305	940	1651	03/27/03	483	1260	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	102	1119	1738	05/06/09	539	1355	--	--	--	--	--	--
Temperature, Degrees C	2001-2008	109	0	0.0	13.0	23.6	08/15/07	4.4	19.5	30.0	0	--	--	--	L
Temperature, Degrees C	2009-2010	21	0	1.1	11.3	19.6	08/11/09	5.0	17.9	30.0	0	--	--	--	L
Calcium, in milligrams per liter	2001-2008	109	0	25.3	79.9	154	12/09/04	43.9	116	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	8.80	96.6	170	05/06/09	44.9	112	--	--	--	--	--	--
Magnesium, in milligrams per liter	2001-2008	109	0	11.4	39.0	80.6	12/09/04	18.1	54.1	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	3.04	44.0	86.7	05/06/09	20.6	57.4	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	1.47	3.66	8.81	01/16/03	2.06	7.63	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	1.28	4.80	8.50	01/06/09	2.24	7.99	--	--	--	--	--	--
Sodium, in milligrams per liter	2001-2008	109	0	15.7	52.2	135	03/27/03	25.8	92.4	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	5.40	68.7	111	05/06/09	29.2	94.1	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	93	0	44.3	120	199	03/27/03	71.9	160	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	21.0	139	259	05/06/09	75.7	164	--	--	--	--	--	--
Chloride, in milligrams per liter	2001-2008	109	0	4.60	16.3	74.4	12/13/07	8.31	40.3	--	--	--	--	0.12	--
Chloride, in milligrams per liter	2009-2010	21	0	3.19	29.6	66.0	11/17/09	12.4	46.7	--	--	--	--	--	--
Sulfate, in milligrams per liter	2001-2008	109	0	82.4	313	636	03/27/03	146	448	--	--	--	--	0.18	--
Sulfate, in milligrams per liter	2009-2010	21	0	21.0	367	715	05/06/09	166	476	--	--	--	--	--	--
Residue, in milligrams per liter	2001-2008	109	0	199	660	1288	03/27/03	318	949	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	201	797	1408	05/06/09	357	996	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2001-2008	108	0	0.304	0.610	6.33	01/15/04	0.468	1.59	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	21	0	0.382	0.661	1.75	12/08/08	0.499	1.25	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2001-2008	108	1	0 *	0.036	4.26	01/15/04	0.016	0.349	2.11	5	5.61	1	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	21	1	0 *	0.038	0.747	12/08/08	0.019	0.261	2.16	0	5.22	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2001-2008	108	0	0.404	3.03	12.6	02/12/04	0.970	8.21	100	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	21	0	0.238	4.04	9.87	04/13/09	0.682	9.35	100	0	--	--	--	L
Orthophosphate, in milligrams per liter	2001-2008	108	0	0.106	0.502	2.17	02/13/03	0.196	1.84	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	21	0	0.034	0.649	2.36	04/13/09	0.208	2.15	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2001-2008	108	0	0.125	0.525	2.34	02/12/04	0.214	1.89	--	--	--	--	0.02	--
Phosphorus, in milligrams per liter	2009-2010	21	0	0.046	0.638	2.31	04/13/09	0.212	2.19	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2001-2008	108	0	0.183	0.560	2.54	02/13/03	0.268	1.95	--	--	--	--	0.02	--
Phosphorus (total), in milligrams per liter	2009-2010	21	0	0.168	0.676	2.33	04/13/09	0.299	2.14	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2001-2008	82	1	0 *	5.45	9.22	02/12/04	4.17	7.22	--	--	--	--	0.5	--

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Organic carbon (total), in milligrams per liter	2009-2010	21	0	4.26	6.00	7.60	01/06/09	4.63	7.51	--	--	--	--	--	--
Arsenic, in micrograms per liter	2001-2008	108	17	0 *	0.52	1.15	08/14/03	0 *	0.83	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.37	0.47	0.77	08/11/09	0.39	0.72	--	--	--	--	--	--
Copper, in micrograms per liter	2001-2008	109	5	0 *	2.70	9.77	01/14/08	1.53	4.77	29.3	0	49.6	0	1	L
Copper, in micrograms per liter	2009-2010	21	4	0 *	1.90	5.17	01/06/09	0 *	4.30	29.3	0	49.6	0	--	L
Iron, in micrograms per liter	2001-2008	109	9	0 *	43.9	470	03/21/02	13.1	66.0	1000	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	14.5	45.7	170	06/08/10	22.4	66.3	1000	0	--	--	--	L
Lead, in micrograms per liter	2001-2008	109	18	0 *	0.14	0.91	01/14/08	0 *	0.47	10.9	0	281	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	1	0 *	0.15	1.94	10/16/08	0.05	0.37	10.9	0	281	0	--	L
Manganese, in micrograms per liter	2001-2008	109	1	0 *	42.4	116	05/08/02	19.6	75.8	2618	0	4738	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	19.8	37.1	332	05/06/09	23.4	87.4	2618	0	4738	0	--	L
Mercury, in nanograms per liter	2005-2008	25	0	0.60	1.50	3.10	05/27/05	0.90	2.61	10.0	0	--	--	0.04	L
Mercury, in nanograms per liter	2009-2010	6	0	0.65	1.67	11.1	06/08/10	0.66	10.7	10.0	1	--	--	--	H
Nickel, in micrograms per liter	2001-2008	109	8	0 *	1.80	20.5	06/06/02	0.75	4.92	168	0	1513	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.53	1.67	3.32	05/03/10	0.82	2.50	168	0	1513	0	--	L
Selenium, in micrograms per liter	2005-2008	44	0	1.04	2.19	5.08	11/18/05	1.20	3.64	4.60	1	18.4	0	0.04	M
Selenium, in micrograms per liter	2009-2010	21	0	0.43	3.06	7.05	05/06/09	1.61	4.19	4.60	2	18.4	0	--	M
Silver, in micrograms per liter	2001-2008	109	105	0 *	0 *	0.14	12/16/05	0 *	0 *	3.47	0	22.0	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	11	0 *	0 *	0.03	01/06/09	0 *	0.02	3.47	0	22.0	0	--	L
Benzene (total), in micrograms per liter	2001-2008	95	95	0 *	0 *	0 *	03/14/01	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2001-2008	93	91	0 *	0 *	0.70	10/25/01	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	93	0 *	0 *	0.90	05/08/03	0 *	0 *	510	0	--	--	0.4	L