

Table 11. Summary of measured constituents and properties for Big Thompson River near Estes Park, Co., station 06735500
[--, 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	120	0	18.0	85.4	737	06/02/03	24.9	160	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	21	0	13.9	63.5	508	06/09/10	20.1	158	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	21	0 *	1.8	7.4	09/12/06	0 *	3.2	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	7	0 *	1.6	8.4	06/09/10	0 *	2.6	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	117	0	7.1	9.6	12.0	01/13/03	7.9	10.8	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	21	0	7.8	9.9	11.4	02/03/10	8.2	11.2	6.0	0	--	--	--	L
pH, in standard units	2000-2008	119	0	7.1	7.8	9.1	09/09/02	7.3	8.3	6.5	2	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.2	7.7	8.1	11/18/09	7.4	8.0	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	120	0	18.0	49.0	107	04/14/03	29.0	64.9	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	21.0	58.0	71.0	03/11/09	25.9	68.0	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	120	0	1.0	8.5	19.0	07/22/02	2.2	16.0	17.0	12	--	--	--	L
Temperature, Degrees C	2009-2010	21	0	1.3	7.0	17.9	08/10/10	1.8	14.9	17.0	1	--	--	--	L
Calcium, in milligrams per liter	2000-2008	117	0	1.99	5.70	9.70	04/14/03	3.10	7.73	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	1.95	6.59	9.10	03/11/09	2.48	8.35	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	117	0	0.47	1.20	2.57	04/14/03	0.69	1.48	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	0.42	1.35	1.69	03/11/09	0.60	1.60	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	1	0 *	0.64	1.30	04/14/03	0.38	0.81	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.26	0.71	0.84	03/11/10	0.35	0.82	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	117	0	1.08	2.10	5.91	04/14/03	1.40	2.88	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	1.05	2.57	3.48	05/04/10	1.38	3.14	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	93	0	6.46	21.0	31.0	03/19/08	10.6	28.5	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	7.88	23.8	31.4	03/11/09	9.78	30.5	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	116	10	0 *	1.01	10.8	04/14/03	0.51	1.74	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	0.46	1.18	4.10	05/04/10	0.88	1.85	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	116	7	0 *	2.73	6.60	04/14/03	1.71	3.83	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	1.34	3.44	4.28	01/08/09	1.68	4.01	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	117	0	13.6	38.0	74.0	11/05/01	25.9	48.3	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	1	0 *	39.1	52.2	05/05/09	18.4	50.2	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	120	0	0.092	0.220	0.636	08/13/07	0.176	0.299	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	21	0	0.168	0.235	0.323	06/09/10	0.189	0.296	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	120	25	0 *	0.012	0.171	11/15/04	0 *	0.028	3.21	0	9.67	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	21	11	0 *	0 *	0.070	12/10/08	0 *	0.028	3.48	0	10.1	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	120	3	0 *	0.061	0.532	01/07/02	0.021	0.107	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	21	0	0.009	0.029	0.138	03/11/09	0.012	0.073	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	120	77	0 *	0 *	0.013	02/10/03	0 *	0.005	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	21	3	0 *	0.005	0.014	11/18/09	0.001	0.007	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	120	13	0 *	0.005	0.020	11/13/06	0.003	0.008	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	21	2	0 *	0.006	0.017	11/18/09	0.003	0.009	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	120	0	0.004	0.016	0.055	12/12/00	0.012	0.026	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	21	0	0.011	0.016	0.041	11/18/09	0.012	0.026	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	97	0	1.80	3.36	8.83	05/23/05	2.70	4.24	--	--	--	--	0.5	--

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Organic carbon (total), in milligrams per liter	2009-2010	21	0	3.00	3.90	6.80	06/09/10	3.51	5.27	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	117	29	0 *	0.16	0.33	09/09/02	0 *	0.22	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.09	0.18	0.24	09/14/10	0.14	0.23	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	117	24	0 *	0.75	7.88	02/14/08	0 *	1.86	2.41	8	3.15	3	1	M
Copper, in micrograms per liter	2009-2010	21	1	0 *	1.06	4.53	05/04/10	0.71	2.00	2.41	2	3.15	1	--	M
Iron, in micrograms per liter	2000-2008	117	14	0 *	47.6	225	11/15/04	20.1	89.8	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	27.3	50.3	119	06/09/10	34.5	89.0	300	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	117	57	0 *	0.04	0.68	10/17/07	0 *	0.09	0.46	1	11.7	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	7	0 *	0.03	0.07	06/09/10	0 *	0.05	0.46	0	11.7	0	--	L
Manganese, in micrograms per liter	2000-2008	117	18	0 *	3.65	31.2	01/13/03	0 *	7.30	988	0	1789	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	0.87	3.48	9.88	06/09/10	2.09	8.16	988	0	1789	0	--	L
Mercury, in nanograms per liter	2005-2008	8	0	0.50	2.07	5.30	06/06/05	0.66	4.95	10.0	0	--	--	0.04	L
Mercury, in nanograms per liter	2009-2010	6	0	0.97	2.00	5.92	06/09/10	1.00	5.74	10.0	0	--	--	--	M
Nickel, in micrograms per liter	2000-2008	116	25	0 *	0.26	2.14	04/10/06	0 *	0.49	14.2	0	127	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.18	0.27	0.54	04/13/09	0.20	0.49	14.2	0	127	0	--	L
Selenium, in micrograms per liter	2005-2007	5	2	0 *	0.05	0.06	06/06/06	0 *	0.06	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	117	116	0 *	0 *	0.10	11/14/05	0 *	0 *	0.01	1	0.14	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	19	0 *	0 *	0.02	03/11/10	0 *	0 *	0.01	2	0.14	0	--	L
Zinc, in micrograms per liter	2006-2006	1	0	8.29	8.29	8.29	12/12/05	8.29	8.29	33.5	0	38.6	0	0.6	L
Benzene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/29/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	108	106	0 *	0 *	0.90	10/22/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	111	110	0 *	0 *	0.41	07/07/03	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/29/00	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	111	109	0 *	0 *	0.72	07/07/03	0 *	0 *	510	0	--	--	0.4	L