

Table 4. Summary of measured constituents and properties for Big Thompson River at Estes Park, Co., station 06733000
[--, 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	125	0	6.70	53.2	1060	06/02/03	14.4	348	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	27	0	9.40	53.2	1380	06/08/10	13.8	412	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	31	0 *	0 *	51.7	03/12/07	0 *	4.2	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	9	0 *	1.1	14.0	06/08/10	0 *	2.8	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	121	0	7.0	10.0	14.2	02/04/02	8.4	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	27	0	8.3	10.0	12.2	01/06/09	8.5	11.1	6.0	0	--	--	--	L
pH, in standard units	2000-2008	124	0	6.9	7.7	8.9	04/05/04	7.3	8.2	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	27	0	7.2	7.6	8.2	08/10/09	7.4	7.8	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	124	0	14.0	32.0	130	12/08/03	18.0	60.0	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	27	0	16.0	36.0	78.0	03/11/09	21.0	63.2	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	124	0	-0.0	5.3	16.6	08/08/02	0.0	11.6	17.0	0	--	--	--	L
Temperature, Degrees C	2009-2010	27	0	-0.0	5.8	13.2	07/28/10	0.0	11.8	17.0	0	--	--	--	L
Calcium, in milligrams per liter	2000-2008	117	0	1.60	3.21	6.54	03/12/07	1.88	5.30	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	1.46	3.43	7.38	03/11/09	1.89	5.71	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	117	0	0.40	0.88	1.79	02/13/07	0.48	1.51	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	0.37	0.94	1.94	03/11/09	0.50	1.66	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	0.19	0.43	1.95	06/21/04	0.29	0.59	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.19	0.48	0.84	03/09/10	0.26	0.64	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	117	0	0.70	2.15	18.5	12/08/03	1.05	3.93	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	0.93	2.60	5.57	03/11/09	1.19	4.49	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	91	0	5.88	12.7	23.0	02/10/03	7.61	20.2	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	6.99	14.4	25.6	03/11/09	8.28	21.7	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	117	6	0 *	1.70	27.0	12/08/03	0.54	4.19	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	0.38	2.16	7.33	04/05/10	0.64	6.05	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	118	7	0 *	2.21	5.58	04/14/03	1.36	3.18	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	1.28	2.51	4.51	05/05/10	1.43	3.52	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	117	2	0 *	31.2	94.6	12/08/03	18.1	47.0	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	11.7	32.0	60.0	05/05/10	20.0	53.1	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	122	2	0 *	0.131	0.778	06/02/03	0.088	0.221	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	27	0	0.069	0.138	0.473	05/19/10	0.102	0.285	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	122	91	0 *	0 *	0.018	06/21/04	0 *	0.005	3.62	0	11.1	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	27	23	0 *	0 *	0.014	04/13/09	0 *	0.008	3.98	0	11.9	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	122	0	0.028	0.140	0.271	12/12/05	0.102	0.216	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	27	1	0 *	0.084	0.204	01/06/09	0.051	0.149	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	122	84	0 *	0 *	0.036	06/21/04	0 *	0.004	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	27	2	0 *	0.005	0.008	02/03/10	0.004	0.006	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	122	18	0 *	0.004	0.051	06/21/04	0.001	0.005	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	27	9	0 *	0.004	0.011	05/19/10	0 *	0.007	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	122	1	0 *	0.010	0.089	06/21/04	0.006	0.018	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	27	0	0.005	0.007	0.062	06/08/10	0.006	0.015	--	--	--	--	--	--
Organic carbon, in milligrams per liter	2002-2002	1	0	1.85	1.85	1.85	08/08/02	1.85	1.85	--	--	--	--	0.33	--

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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
Organic carbon (total), in milligrams per liter	2000-2008	93	1	0 *	2.00	8.70	05/23/05	1.50	4.69	--	--	--	--	0.5	--
Organic carbon (total), in milligrams per liter	2009-2010	27	0	1.60	2.25	11.5	05/19/10	1.72	6.72	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	117	62	0 *	0 *	0.35	03/07/05	0 *	0.11	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.03	0.09	0.17	05/05/09	0.06	0.15	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	117	22	0 *	0.84	6.57	05/14/07	0 *	1.85	1.91	17	2.44	12	1	M
Copper, in micrograms per liter	2009-2010	21	1	0 *	1.01	2.82	07/12/10	0.66	2.10	1.91	4	2.44	1	--	H
Iron, in micrograms per liter	2000-2008	117	7	0 *	107	268	04/04/05	72.6	161	300	0	--	--	8	M
Iron, in micrograms per liter	2009-2010	21	0	56.3	116	236	04/13/09	78.4	183	300	0	--	--	--	M
Lead, in micrograms per liter	2000-2008	117	54	0 *	0.04	0.49	05/14/07	0 *	0.12	0.33	3	8.59	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	3	0 *	0.03	0.16	10/14/08	0.01	0.07	0.33	0	8.59	0	--	L
Manganese, in micrograms per liter	2000-2008	117	7	0 *	5.67	18.4	02/13/07	3.16	9.87	902	0	1633	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	2.62	5.40	15.9	03/09/10	3.20	10.4	902	0	1633	0	--	L
Mercury, in nanograms per liter	2005-2008	36	0	0.60	1.80	26.0	04/09/07	0.96	4.74	10.0	2	--	--	0.04	L
Mercury, in nanograms per liter	2009-2010	17	0	0.71	1.09	7.27	06/08/10	0.81	4.30	10.0	0	--	--	--	L
Nickel, in micrograms per liter	2000-2008	116	24	0 *	0.21	11.0	04/10/06	0 *	0.40	11.2	0	101	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.13	0.21	0.47	05/05/09	0.16	0.40	11.2	0	101	0	--	L
Selenium, in micrograms per liter	2005-2007	24	12	0 *	0.02	0.10	05/22/06	0 *	0.06	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	117	116	0 *	0 *	0.06	02/13/07	0 *	0 *	0.00	1	0.09	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	20	0 *	0 *	0.01	03/11/09	0 *	0 *	0.00	1	0.09	0	--	L
Benzene (total), in micrograms per liter	2000-2008	108	107	0 *	0 *	0.04	01/07/02	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	105	104	0 *	0 *	0.50	10/22/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/29/00	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/29/00	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	108	106	0 *	0 *	0.08	01/07/02	0 *	0 *	510	0	--	--	0.4	L