

Table 15. Summary of measured constituents and properties for Big Thompson River above Dille Tunnel, near Drake, Co., station 06736700
[--, 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	123	0	13.5	124	803	06/04/03	32.6	287	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	27	0	20.7	160	1220	06/07/10	26.4	234	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	53	20	0 *	1.8	6.5	05/04/05	0 *	3.9	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	8	0 *	1.6	42.3	06/07/10	0 *	2.9	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	120	0	7.5	9.8	13.9	02/05/02	8.4	12.1	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	27	0	7.7	9.6	12.4	12/09/08	8.1	11.7	6.0	0	--	--	--	L
pH, in standard units	2000-2008	123	0	7.1	7.8	9.2	03/14/07	7.4	8.2	6.5	3	9.0	--	--	L
pH, in standard units	2009-2010	27	0	7.4	7.7	8.1	10/15/08	7.5	8.0	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	123	0	24.0	56.0	151	03/26/03	33.0	80.0	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	27	0	28.0	57.0	98.0	04/06/10	34.0	81.9	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	123	0	0.0	9.0	20.6	08/14/07	0.5	15.5	17.0	10	--	--	--	L
Temperature, Degrees C	2009-2010	27	0	0.0	9.9	19.5	07/28/10	0.6	17.6	17.0	4	--	--	--	H
Calcium, in milligrams per liter	2000-2008	118	0	2.54	5.89	13.1	03/26/03	3.58	7.74	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	2.37	6.39	9.34	04/06/10	3.12	8.27	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	118	0	0.52	1.27	3.17	03/26/03	0.76	1.69	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	0.51	1.35	2.02	04/06/10	0.71	1.70	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	0.35	0.81	1.46	03/26/03	0.53	1.02	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.39	0.83	1.23	04/06/10	0.51	1.09	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	118	0	1.44	3.37	9.27	03/26/03	2.16	4.85	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	1.80	3.46	6.20	04/06/10	2.30	4.92	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	92	0	9.63	21.4	31.7	04/06/05	12.3	27.7	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	9.14	22.9	31.6	04/14/09	12.3	29.4	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	118	1	0 *	2.18	13.8	03/26/03	1.29	4.38	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	1.27	2.44	8.52	04/06/10	1.41	5.15	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	118	7	0 *	3.27	12.0	03/26/03	2.00	4.70	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	1.70	3.53	6.58	04/06/10	2.08	4.98	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	117	1	0 *	43.7	120	11/06/01	30.4	58.2	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	23.7	40.7	68.2	04/06/10	31.9	64.3	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	122	0	0.122	0.261	0.967	01/10/07	0.195	0.371	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	27	0	0.200	0.253	0.700	06/07/10	0.210	0.392	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	123	34	0 *	0.008	0.144	01/11/06	0 *	0.020	3.17	0	9.31	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	27	9	0 *	0.013	0.150	02/02/10	0 *	0.036	3.26	0	9.31	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	123	4	0 *	0.191	1.77	03/26/03	0.070	0.438	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	27	3	0 *	0.168	0.684	02/02/10	0.073	0.470	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	123	1	0 *	0.017	0.110	08/07/02	0.006	0.045	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	27	0	0.007	0.029	0.094	02/02/10	0.012	0.080	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	123	0	0.007	0.025	0.125	08/07/02	0.013	0.056	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	27	0	0.010	0.037	0.096	02/02/10	0.019	0.086	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	123	0	0.011	0.047	0.155	08/07/02	0.029	0.077	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	27	0	0.024	0.057	0.153	06/07/10	0.033	0.104	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	96	1	0 *	3.37	9.60	06/08/05	2.87	4.68	--	--	--	--	0.5	--

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Organic carbon (total), in milligrams per liter	2009-2010	27	1	0 *	3.80	14.1	05/19/10	3.30	6.66	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	118	35	0 *	0.14	0.32	10/09/02	0 *	0.20	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.08	0.17	0.27	05/03/10	0.14	0.21	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	118	23	0 *	0.91	6.04	08/14/07	0 *	1.67	2.50	10	3.29	4	1	M
Copper, in micrograms per liter	2009-2010	21	1	0 *	1.23	2.30	04/06/10	0.68	1.94	2.50	0	3.29	0	--	M
Iron, in micrograms per liter	2000-2008	118	16	0 *	47.0	130	10/05/00	20.0	73.6	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	30.3	51.1	301	05/03/10	33.8	117	300	1	--	--	--	L
Lead, in micrograms per liter	2000-2008	118	47	0 *	0.05	0.45	08/14/07	0 *	0.13	0.48	0	12.3	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	4	0 *	0.06	0.20	12/09/08	0 *	0.14	0.48	0	12.3	0	--	L
Manganese, in micrograms per liter	2000-2008	118	20	0 *	3.04	10.4	05/07/03	0 *	4.68	1003	0	1815	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	2.35	3.40	11.4	06/07/10	2.46	5.22	1003	0	1815	0	--	L
Mercury, in nanograms per liter	2005-2008	15	0	0.40	1.80	6.10	06/08/05	0.58	5.48	10.0	0	--	--	0.04	M
Mercury, in nanograms per liter	2009-2010	17	0	0.74	1.26	11.6	06/07/10	0.81	3.04	10.0	1	--	--	--	L
Nickel, in micrograms per liter	2000-2008	117	25	0 *	0.29	1.26	07/10/02	0 *	0.53	14.7	0	132	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.18	0.34	0.74	02/02/10	0.21	0.55	14.7	0	132	0	--	L
Selenium, in micrograms per liter	2005-2007	4	1	0 *	0.06	0.30	06/08/05	0 *	0.30	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	118	118	0 *	0 *	0 *	08/31/00	0 *	0 *	0.01	0	0.16	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	20	0 *	0 *	0.01	05/03/10	0 *	0 *	0.01	1	0.16	0	--	L
Benzene (total), in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/31/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	105	102	0 *	0 *	0.90	08/15/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/31/00	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/31/00	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	108	108	0 *	0 *	0 *	08/31/00	0 *	0 *	510	0	--	--	0.4	L