

Table 18. Summary of measured constituents and properties for Big Thompson River below Sulzer Gulch, station 402533105124300
[--, 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	14.4	147	1080	06/04/03	29.7	360	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	21	0	23.1	109	885	06/09/10	26.9	363	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	21	0 *	1.8	7.2	06/08/05	0 *	3.5	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	8	0 *	1.5	9.1	06/09/10	0 *	3.1	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	118	0	7.3	9.7	15.1	02/09/05	8.0	12.4	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	21	0	7.9	9.9	12.8	02/01/10	8.2	12.5	6.0	0	--	--	--	L
pH, in standard units	2000-2008	120	0	7.0	7.8	9.0	11/20/02	7.4	8.4	6.5	0	9.0	--	--	L
pH, in standard units	2009-2010	21	0	7.2	7.9	8.1	10/05/09	7.6	8.1	6.5	0	9.0	--	--	L
Specific conductance, in uS/cm	2000-2008	120	0	23.0	56.0	150	03/26/03	33.0	82.0	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	21	0	25.0	64.0	101	04/06/10	30.8	83.6	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	120	0	0.0	10.0	20.5	07/24/02	0.5	17.5	17.0	19	--	--	--	H
Temperature, Degrees C	2009-2010	21	0	0.1	9.7	20.0	08/11/09	0.4	17.2	17.0	4	--	--	--	H
Calcium, in milligrams per liter	2000-2008	115	0	2.43	6.12	13.0	03/26/03	3.52	8.18	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	2.19	6.62	9.38	04/06/10	2.83	8.66	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	116	0	0.51	1.27	3.08	03/26/03	0.75	1.77	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	0.48	1.34	2.04	04/06/10	0.68	1.72	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	0.34	0.78	1.48	03/26/03	0.46	1.02	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.31	0.77	1.23	04/06/10	0.42	1.07	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	116	0	1.28	3.13	9.22	03/26/03	1.79	5.00	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	1.35	3.38	6.35	04/06/10	1.77	4.85	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	93	0	9.30	22.4	31.8	02/15/07	12.4	28.7	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	9.50	24.0	30.8	03/12/09	10.9	29.7	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	116	2	0 *	2.00	13.3	03/26/03	0.98	4.53	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	0.87	2.30	8.87	04/06/10	1.15	5.01	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	116	8	0 *	3.17	11.6	03/26/03	1.90	4.72	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	1.50	3.68	6.82	04/06/10	1.96	4.95	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	115	0	10.0	42.7	130	11/06/01	27.0	58.9	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	20.6	43.9	67.4	03/11/10	29.4	61.4	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	119	0	0.140	0.255	0.629	05/22/02	0.198	0.351	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	21	0	0.197	0.263	0.383	04/06/10	0.211	0.361	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	119	24	0 *	0.013	0.128	01/09/02	0 *	0.031	2.96	0	8.95	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	21	10	0 *	0.012	0.078	02/01/10	0 *	0.023	2.99	0	8.45	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	119	3	0 *	0.129	1.68	03/26/03	0.051	0.470	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	21	2	0 *	0.083	0.623	02/01/10	0.013	0.490	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	119	11	0 *	0.010	0.087	02/11/08	0.004	0.034	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	21	0	0.005	0.025	0.109	02/01/10	0.008	0.057	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	119	0	0.006	0.016	0.096	02/11/08	0.009	0.042	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	21	0	0.006	0.030	0.108	02/01/10	0.011	0.069	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	119	0	0.012	0.037	0.133	06/09/04	0.022	0.061	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	21	0	0.020	0.045	0.119	02/01/10	0.024	0.089	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	89	0	2.00	3.37	9.60	06/08/05	2.78	4.75	--	--	--	--	0.5	--

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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	2009-2010	21	0	3.00	3.70	8.20	05/04/10	3.42	6.36	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	116	30	0 *	0.15	0.35	03/26/03	0 *	0.21	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.10	0.18	0.23	09/15/09	0.15	0.21	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	115	17	0 *	1.42	110	06/04/03	0.29	4.25	2.61	29	3.45	22	1	H
Copper, in micrograms per liter	2009-2010	21	0	0.73	1.53	4.56	05/04/10	0.93	3.09	2.61	5	3.45	1	--	H
Iron, in micrograms per liter	2000-2008	116	15	0 *	47.4	120	10/05/00	27.7	70.5	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	30.3	51.1	190	05/04/10	35.5	83.5	300	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	116	38	0 *	0.06	0.54	03/17/08	0 *	0.12	0.51	1	13.0	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	4	0 *	0.04	0.17	12/09/08	0 *	0.09	0.51	0	13.0	0	--	L
Manganese, in micrograms per liter	2000-2008	116	12	0 *	3.86	9.73	12/10/03	2.32	5.31	1020	0	1847	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	2.05	3.95	7.56	06/09/10	2.89	5.57	1020	0	1847	0	--	L
Mercury, in nanograms per liter	2005-2008	33	0	0.30	1.60	5.20	06/08/05	0.62	3.30	10.0	0	--	--	0.04	L
Mercury, in nanograms per liter	2009-2010	6	0	0.81	1.98	5.79	06/09/10	0.81	5.64	10.0	0	--	--	--	M
Nickel, in micrograms per liter	2000-2008	116	23	0 *	0.29	1.16	09/12/07	0 *	0.54	15.3	0	138	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.18	0.30	1.03	01/07/09	0.20	0.48	15.3	0	138	0	--	L
Selenium, in micrograms per liter	2005-2008	45	12	0 *	0.06	0.24	05/25/05	0 *	0.08	4.60	0	18.4	0	0.04	L
Selenium, in micrograms per liter	2009-2010	21	0	0.04	0.07	0.14	05/04/10	0.06	0.12	4.60	0	18.4	0	--	L
Silver, in micrograms per liter	2000-2008	116	115	0 *	0 *	0.05	02/15/07	0 *	0 *	0.01	1	0.17	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	18	0 *	0 *	0.02	06/09/10	0 *	0.00	0.01	2	0.17	0	--	M
Benzene (total), in micrograms per liter	2000-2008	109	109	0 *	0 *	0 *	08/31/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	106	102	0 *	0 *	0.90	07/24/02	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	109	109	0 *	0 *	0 *	08/31/00	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	109	109	0 *	0 *	0 *	08/31/00	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	109	109	0 *	0 *	0 *	08/31/00	0 *	0 *	510	0	--	--	0.4	L