

Table 12. Summary of measured constituents and properties for Big Thompson River at Whispering Pines, station 402249105282000  
[--, 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	18.1	90.2	571	06/03/03	23.3	202	--	--	--	--	--	--
Instantaneous discharge, in cubic feet per second	2009-2010	27	0	16.9	125	882	06/08/10	24.2	149	--	--	--	--	--	--
Turbidity, in NTRU	2005-2008	54	20	0 *	1.4	6.2	05/24/05	0 *	3.0	--	--	--	--	2	--
Turbidity, in NTRU	2009-2010	21	6	0 *	1.7	20.6	06/08/10	0 *	2.5	--	--	--	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2008	118	0	6.9	9.3	13.0	03/12/01	7.6	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2009-2010	27	0	7.4	9.5	12.4	03/11/10	7.7	11.5	6.0	0	--	--	--	L
pH, in standard units	2000-2008	119	0	6.9	8.0	9.5	03/18/02	7.6	8.6	6.5	6	9.0	--	--	L
pH, in standard units	2009-2010	27	0	7.1	8.0	10.0	04/05/10	7.6	9.3	6.5	7	9.0	--	--	H
Specific conductance, in uS/cm	2000-2008	120	0	22.0	56.0	123	04/15/03	31.2	79.0	--	--	--	--	--	--
Specific conductance, in uS/cm	2009-2010	27	0	25.0	60.0	114	05/19/10	31.6	80.0	--	--	--	--	--	--
Temperature, Degrees C	2000-2008	120	0	0.0	8.9	19.5	07/23/02	1.5	16.4	17.0	14	--	--	--	L
Temperature, Degrees C	2009-2010	27	0	1.9	8.8	19.4	08/10/10	3.1	17.1	17.0	4	--	--	--	H
Calcium, in milligrams per liter	2000-2008	117	0	2.14	5.94	10.8	04/15/03	3.36	8.17	--	--	--	--	0.04	--
Calcium, in milligrams per liter	2009-2010	21	0	2.03	6.99	9.28	04/05/10	2.73	8.71	--	--	--	--	--	--
Magnesium, in milligrams per liter	2000-2008	117	0	0.50	1.28	2.87	04/15/03	0.75	1.71	--	--	--	--	0.02	--
Magnesium, in milligrams per liter	2009-2010	21	0	0.44	1.33	1.85	04/05/10	0.66	1.70	--	--	--	--	--	--
Potassium, in milligrams per liter	2002-2008	93	0	0.37	0.84	1.46	03/25/03	0.49	1.07	--	--	--	--	0.02	--
Potassium, in milligrams per liter	2009-2010	21	0	0.45	0.85	1.53	04/05/10	0.52	1.17	--	--	--	--	--	--
Sodium, in milligrams per liter	2000-2008	117	0	1.30	3.21	7.64	04/15/03	1.91	4.61	--	--	--	--	0.12	--
Sodium, in milligrams per liter	2009-2010	21	0	1.42	3.36	5.25	04/05/10	1.94	4.59	--	--	--	--	--	--
Alkalinity, in milligrams per liter	2002-2008	93	0	8.06	21.9	32.3	03/08/05	11.3	29.7	--	--	--	--	5	--
Alkalinity, in milligrams per liter	2009-2010	21	0	8.27	24.7	32.8	04/05/10	10.4	30.6	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2008	117	1	0 *	2.00	12.7	04/15/03	1.10	3.58	250	0	--	--	0.12	L
Chloride, in milligrams per liter	2009-2010	21	0	1.09	2.18	6.56	04/05/10	1.24	3.97	250	0	--	--	--	L
Sulfate, in milligrams per liter	2000-2008	116	6	0 *	3.26	7.90	04/15/03	1.97	4.78	250	0	--	--	0.18	L
Sulfate, in milligrams per liter	2009-2010	21	0	1.73	3.83	5.55	04/05/10	2.03	4.71	250	0	--	--	--	L
Residue, in milligrams per liter	2000-2008	116	0	15.3	44.0	170	11/05/01	28.8	57.6	--	--	--	--	10	--
Residue, in milligrams per liter	2009-2010	21	0	19.5	42.3	62.7	04/05/10	26.7	55.9	--	--	--	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2000-2008	120	0	0.171	0.291	0.597	03/25/03	0.221	0.423	--	--	--	--	0.14	--
Ammonia plus organic nitrogen in milligrams per liter	2009-2010	27	0	0.215	0.378	0.995	04/05/10	0.265	0.494	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2000-2008	120	16	0 *	0.022	0.334	01/10/06	0.005	0.141	2.46	0	6.93	0	0.02	L
Ammonia nitrogen, in milligrams per liter	2009-2010	27	4	0 *	0.064	0.422	07/28/10	0.003	0.249	2.29	1	6.66	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2000-2008	120	0	0.037	0.245	0.766	03/25/03	0.106	0.442	10.0	0	--	--	0.016	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2009-2010	27	0	0.026	0.195	0.493	03/11/09	0.074	0.373	10.0	0	--	--	--	L
Orthophosphate, in milligrams per liter	2000-2008	119	3	0 *	0.034	0.177	09/20/05	0.009	0.083	--	--	--	--	0.006	--
Orthophosphate, in milligrams per liter	2009-2010	27	0	0.007	0.044	0.215	01/08/09	0.019	0.117	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2000-2008	119	0	0.005	0.043	0.182	09/20/05	0.016	0.093	--	--	--	--	0.006	--
Phosphorus, in milligrams per liter	2009-2010	27	0	0.009	0.057	0.233	01/08/09	0.026	0.123	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2000-2008	119	0	0.012	0.063	0.225	09/20/05	0.033	0.117	--	--	--	--	0.008	--
Phosphorus (total), in milligrams per liter	2009-2010	27	0	0.023	0.073	0.264	04/05/10	0.046	0.156	--	--	--	--	--	--
Organic carbon (total), in milligrams per liter	2000-2008	101	1	0 *	3.68	8.44	05/24/05	2.83	4.52	--	--	--	--	0.5	--

Table 12. Summary of measured constituents and properties for Big Thompson River at Whispering Pines, station 402249105282000  
[--, 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
Organic carbon (total), in milligrams per liter	2009-2010	27	0	3.06	4.20	8.00	05/19/10	3.60	5.72	--	--	--	--	--	--
Arsenic, in micrograms per liter	2000-2008	117	30	0 *	0.16	0.33	09/10/02	0 *	0.23	--	--	--	--	0.06	--
Arsenic, in micrograms per liter	2009-2010	21	0	0.12	0.19	0.25	09/15/10	0.15	0.23	--	--	--	--	--	--
Copper, in micrograms per liter	2000-2008	117	23	0 *	0.91	8.15	01/09/07	0 *	1.85	2.56	10	3.38	2	1	M
Copper, in micrograms per liter	2009-2010	21	1	0 *	1.05	2.99	06/08/09	0.72	2.11	2.56	1	3.38	0	--	M
Iron, in micrograms per liter	2000-2008	117	15	0 *	49.8	245	11/16/04	19.8	81.8	300	0	--	--	8	L
Iron, in micrograms per liter	2009-2010	21	0	26.3	49.2	181	05/05/10	30.9	88.9	300	0	--	--	--	L
Lead, in micrograms per liter	2000-2008	117	51	0 *	0.05	0.27	01/14/03	0 *	0.09	0.49	0	12.7	0	0.08	L
Lead, in micrograms per liter	2009-2010	21	5	0 *	0.03	0.10	06/08/10	0 *	0.07	0.49	0	12.7	0	--	L
Manganese, in micrograms per liter	2000-2008	117	18	0 *	4.31	19.9	01/14/03	0 *	6.66	1012	0	1832	0	0.2	L
Manganese, in micrograms per liter	2009-2010	21	0	1.06	3.39	12.9	06/08/10	2.35	6.23	1012	0	1832	0	--	L
Mercury, in nanograms per liter	2005-2007	6	0	0.80	2.60	4.70	06/07/05	0.82	4.65	10.0	0	--	--	0.4	L
Nickel, in micrograms per liter	2000-2008	117	24	0 *	0.28	1.95	11/16/04	0 *	0.50	15.0	0	135	0	0.2	L
Nickel, in micrograms per liter	2009-2010	21	0	0.17	0.33	0.53	06/08/10	0.20	0.44	15.0	0	135	0	--	L
Selenium, in micrograms per liter	2005-2007	5	2	0 *	0.05	0.06	09/20/05	0 *	0.06	4.60	0	18.4	0	0.08	L
Silver, in micrograms per liter	2000-2008	117	117	0 *	0 *	0 *	08/30/00	0 *	0 *	0.01	0	0.16	0	0.1	L
Silver, in micrograms per liter	2009-2010	21	20	0 *	0 *	0.03	06/08/10	0 *	0 *	0.01	1	0.16	0	--	L
Benzene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	2.20	0	--	--	0.4	L
Ethylbenzene (total), in micrograms per liter	2000-2008	108	106	0 *	0 *	0.60	10/22/01	0 *	0 *	530	0	--	--	0.4	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	1400	0	--	--	0.4	L
o-Xylene (total), in micrograms per liter	2000-2008	111	110	0 *	0 *	2.16	05/03/05	0 *	0 *	1400	0	--	--	0.4	L
Toluene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	510	0	--	--	0.4	L