Table 8. 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; NC, percentiles and medians not calculated or Level of Concern not computed; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, pH, and water temperature]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	2000-2017	239	0	11.5	99.6	882	06/08/10	25.0	229	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	26	0	13.1	113	410	07/23/19	26.4	286	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2000-2017	237	0	6.9	9.2	13.0	03/12/01	7.7	11.1	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	26	0	7.4	9.3	11.4	03/07/18	7.6	10.6	6.0	0	--	--	--	L
pH, in standard units	2000-2017	237	0	6.8	7.8	10.0	04/05/10	7.4	8.6	6.5-9.0	15		--	--	L
pH, in standard units	2018-2019	24	0	7.2	7.5	8.5	09/11/18	7.3	8.0	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	2000-2017	89	0	6.7	7.6	9.3	04/15/02	7.2	7.9	6.5-9.0	2		--	--	L
pH, laboratory, in standard units	2019	6	0	7.0	7.2	7.9	04/10/19	7.0	7.9	6.5-9.0	0		--	--	L
Specific conductance, laboratory,	2002-2007	70	0	25.6	61.8	125	04/15/03	33.5	84.3	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2000-2017	239	0	20.0	56.0	123	04/15/03	32.0	81.0	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	26	0	24.0	56.5	89.0	04/10/19	30.1	76.0	--	--	.	--	--	--
Temperature, Degrees Celsius	2000-2017	239	0	0.0	9.4	19.6	07/23/12	2.6	16.4	--	--	--	--	--	--
Temperature, Degrees Celsius	2018-2019	26	0	-0.0	8.9	19.6	08/07/18	3.4	18.1	--	--	--	--	--	--
Temperature, Degrees Celsius April-October	2000-2017	170	0	4.0	11.5	19.6	07/23/12	7.8	17.5	23.9	0	--	--	--	L
Temperature, Degrees Celsius April-October	2018-2019	20	0	4.1	10.1	19.6	08/07/18	7.0	18.6	23.9	0	--	--	--	L
Temperature, Degrees Celsius November-March	2001-2017	69	0	0.0	2.6	7.5	11/05/01	0.5	5.5	13.0	0	--	--	--	L
Temperature, Degrees Celsius November-March	2018-2019	6	0	-0.0	3.3	5.6	11/06/18	0.0	5.5	13.0	0	--	--	--	L
Turbidity, in nephlometric turbidity ratio-units	2005-2017	145	52	0 *	2.1	20.6	06/08/10	0 *	3.6	--	--	--	--	--	--
Turbidity, in nephlometric turbidity ratio-units	2018-2019	20	11	0 *	0 *	3.8	05/08/18	0 *	3.0	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2000-2017	207	3	0 *	43.6	170	11/05/01	27.2	57.3	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	20	0	21.2	45.9	65.0	05/08/19	28.1	60.2	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2002-2017	184	0	11.0	32.1	61.9	04/15/03	17.5	44.3	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	20	1	0 *	31.7	46.9	04/10/19	18.6	42.7	--	--	.	--	--	--
Hardness, in milligrams per liter	2000-2017	208	0	6.5	20.2	38.9	04/15/03	11.0	27.5	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	20	0	7.9	21.3	30.5	04/10/19	10.8	26.4	--	--	.	--	--	--
Noncarbonate hardness, in milligrams per liter as CaCO3	2004	1	0	0.200	NC	0.200	02/10/04	NC	NC	--	--	--	--	--	--
Calcium, in milligrams per liter	2000-2017	208	0	1.8	6.0	10.8	04/15/03	3.2	8.2	--	--	.	--	--	--
Calcium, in milligrams per liter	2018-2019	20	0	2.2	6.3	9.1	04/10/19	3.2	8.0	--	--	.	--	--	--
Magnesium, in milligrams per liter	2000-2017	208	0	0.44	1.3	2.9	11/12/13	0.75	1.7	--	--	.	--	--	--
Magnesium, in milligrams per liter	2018-2019	20	0	0.57	1.3	1.9	04/10/19	0.71	1.6	--	--	.	--	--	--
Potassium, in milligrams per liter	2002-2017	184	0	0.35	0.84	6.4	09/11/13	0.51	1.1	--	--	.	--	--	--
Potassium, in milligrams per liter	2018-2019	20	1	0 *	0.77	1.2	09/11/18	0.58	1.1	--	--	.	--	--	--
Sodium, in milligrams per liter	2000-2017	208	0	1.1	3.2	7.6	04/15/03	1.9	4.7	--	--	.	--	--	--
Sodium, in milligrams per liter	2018-2019	20	0	1.7	3.4	5.5	03/07/18	2.2	5.0	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2017	184	0	7.8	22.3	32.8	04/05/10	11.5	29.2	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2018-2019	20	0	8.4	22.8	30.7	04/10/19	11.6	28.7	--	--	.	--	--	--

Table 8. Summary of measured constituents and properties for Big Thompson River at Whispering Pines, station 402249105282000

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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	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Alkalinity, inflection-point titration, in milligrams per liter	2004	1	0	31.0	NC	31.0	02/10/04	NC	NC	--	--	.	--	--	--
Bicarbonate, laboratory in milligrams per liter	2000-2002	24	2	0 *	24.0	229	02/04/02	14.5	30.3	--	--	--	--	--	--
Carbonate, laboratory in milligrams per liter	2000-2002	24	23	0 *	0 *	11.0	03/18/02	0 *	0 *	--	--	--	--	--	--
Chloride, in milligrams per liter	2000-2017	208	1	0 *	2.2	12.7	04/15/03	1.2	4.1	250	0	.	--	--	L
Chloride, in milligrams per liter	2018-2019	20	0	1.1	2.4	4.6	04/10/19	1.4	3.9	250	0	.	--	--	L
Sulfate, in milligrams per liter	2000-2017	207	6	0 *	3.4	7.9	04/15/03	2.0	4.7	250	0	.	--	--	L
Sulfate, in milligrams per liter	2018-2019	20	0	1.6	3.3	4.6	04/10/19	2.0	4.2	250	0	.	--	--	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2000-2017	239	0	0.167	0.309	1.32	09/11/13	0.235	0.442	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2018-2019	26	0	0.179	0.248	0.352	09/11/18	0.193	0.305	--	--	--	--	--	--
Ammonia, in milligrams per liter as N	2000-2017	239	35	0 *	0.028	0.422	07/28/10	0.005	0.154	2.83	1	8.59	0	--	L
Ammonia, in milligrams per liter as N	2018-2019	26	7	0 *	0.015	0.066	02/07/18	0 *	0.035	3.80	0	12.4	0	--	L
Nitrite plus nitrate, in milligrams per liter as N	2000-2017	239	0	0.026	0.234	0.985	03/08/16	0.110	0.437	--	--	10.0	0	--	--
Nitrite plus nitrate, in milligrams per liter as N	2018-2019	26	0	0.029	0.212	0.587	03/07/18	0.102	0.368	--	--	10.0	0	--	--
Orthophosphate, in milligrams per liter as P	2000-2017	238	5	0 *	0.038	0.256	10/06/15	0.011	0.096	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	2018-2019	26	0	0.004	0.031	0.247	09/11/18	0.007	0.131	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2000-2017	238	0	0.004	0.046	0.277	10/06/15	0.017	0.108	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2018-2019	26	0	0.006	0.037	0.272	09/11/18	0.011	0.139	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2000-2017	238	0	0.012	0.063	0.347	09/11/13	0.034	0.129	0.11	56	--	--	--	M
Phosphorus, unfiltered, in milligrams per liter as P	2018-2019	26	0	0.020	0.051	0.295	09/11/18	0.025	0.151	0.11	7	--	--	--	L
Aluminum, in micrograms per liter	2016-2017	9	0	7.2	14.3	97.2	06/08/16	9.7	90.1	--	--	.	--	--	--
Aluminum, unfiltered, in micrograms per liter	2016-2017	8	0	29.6	92.2	471	06/08/16	42.8	381	67.2	7	471	0	--	H
Cadmium, in micrograms per liter	2011-2017	68	68	0 *	0 *	0 *	02/16/11	0 *	0 *	0.14	0	0.78	0	--	L
Cadmium, in micrograms per liter	2018-2019	20	20	0 *	0 *	0 *	10/11/17	0 *	0 *	0.14	0	0.78	0	--	L
Chromium, in micrograms per liter	2016-2017	8	8	0 *	0 *	0 *	04/13/16	0 *	0 *	--	--	.	--	--	--
Chromium, unfiltered, in micrograms per liter	2016-2017	7	4	0 *	0 *	0.74	06/08/16	0 *	0.71	--	--	.	--	--	--
Copper, in micrograms per liter	2000-2017	208	27	0 *	1.1	28.3	11/12/13	0.68	2.2	2.6	24	11.0	1	--	M
Copper, in micrograms per liter	2018-2019	20	0	0.59	1.0	1.5	11/07/17	0.77	1.2	2.6	0	11.0	0	--	L
Iron, in micrograms per liter	2000-2017	208	15	0 *	54.1	1,080	10/21/13	27.8	106	300	2	.	--	--	L
Iron, in micrograms per liter	2018-2019	20	0	34.0	65.2	194	11/06/18	36.7	92.3	300	0	.	--	--	L
Iron, unfiltered, in micrograms per liter	2016-2017	8	0	131	279	601	11/08/16	154	547	1,000	0	.	--	--	L
Lead, in micrograms per liter	2000-2017	208	76	0 *	0.040	0.53	10/21/13	0 *	0.080	0.50	1	13.0	0	--	L
Lead, in micrograms per liter	2018-2019	20	7	0 *	0.028	0.047	10/11/17	0 *	0.039	0.50	0	13.0	0	--	L
Manganese, in micrograms per liter	2000-2017	208	18	0 *	4.8	106	10/21/13	2.4	8.5	1,018	0	1,843	0	--	L
Manganese, in micrograms per liter	2018-2019	20	0	2.5	5.0	21.0	11/06/18	3.1	8.7	1,018	0	1,843	0	--	L
Mercury, in nanograms per liter	2005-2007	6	0	0.80	2.6	4.7	06/07/05	0.82	4.6	10.0	0	.	--	--	L
Nickel, in micrograms per liter	2000-2017	208	32	0 *	0.27	2.0	11/16/04	0 *	0.44	15.3	0	138	0	--	L

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Nickel, in micrograms per liter	2018-2019	20	9	0 *	0.21	0.61	11/07/17	0 *	0.31	15.3	0	138	0	--	L
Silver, in micrograms per liter	2000-2017	208	206	0 *	0 *	0.026	06/08/10	0 *	0 *	0.006	1	0.17	0	--	L
Silver, in micrograms per liter	2018-2019	20	20	0 *	0 *	0 *	10/11/17	0 *	0 *	0.006	0	0.17	0	--	L
Zinc, in micrograms per liter	2011-2017	68	28	0 *	2.0	5.6	03/13/12	0 *	3.6	32.5	0	42.9	0	--	L
Zinc, in micrograms per liter	2018-2019	20	12	0 *	0 *	4.1	04/10/19	0 *	3.4	32.5	0	42.9	0	--	L
Arsenic, in micrograms per liter	2000-2017	208	30	0 *	0.17	1.0	05/12/15	0.083	0.22	--	--	340	0	--	--
Arsenic, in micrograms per liter	2018-2019	20	0	0.10	0.15	0.22	09/11/18	0.12	0.19	--	--	340	0	--	--
Selenium, in micrograms per liter	2005-2007	5	2	0 *	NC	0.060	09/20/05	NC	NC	4.6	0	18.4	0	--	NC
Benzene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	2.2	0	.	--	--	L
Ethylbenzene (total), in micrograms per liter	2000-2008	108	106	0 *	0 *	0.60	10/22/01	0 *	0 *	530	0	.	--	--	L
m- + p-Xylene (total) in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	1,400	0	.	--	--	L
Organic carbon (total), in milligrams per liter	2000-2017	215	0	2.2	3.9	8.6	05/26/15	3.0	5.1	--	--	.	--	--	--
Organic carbon (total), in milligrams per liter	2018-2019	26	0	3.2	3.9	6.0	06/12/19	3.3	5.3	--	--	.	--	--	--
o-Xylene (total), in micrograms per liter	2000-2008	111	110	0 *	0 *	2.2	05/03/05	0 *	0 *	1,400	0	.	--	--	L
Toluene (total), in micrograms per liter	2000-2008	111	111	0 *	0 *	0 *	08/30/00	0 *	0 *	510	0	.	--	--	L