

Table 18. Summary of measured constituents and properties for Big Thompson River at CR 396 above mouth near La Salle, Co., station 06744030
 [--, 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	2014-2017	9	0	35.3	54.1	176	10/25/13	36.3	154	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	20	0	14.3	47.3	123	06/10/19	29.0	95.4	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2014-2017	9	0	7.2	8.1	14.3	03/08/17	7.4	13.5	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	20	0	6.6	9.2	13.1	02/07/18	7.4	12.7	5.0	0	--	--	--	L
pH, in standard units	2014-2017	9	0	8.0	8.1	8.3	02/06/17	8.0	8.3	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	20	0	7.8	8.1	8.4	02/07/18	8.0	8.3	6.5-9.0	0	--	--	--	L
Specific conductance, in microsiemens per centimeter	2014-2017	9	0	1,000	1,298	1,730	03/08/17	1,056	1,696	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	20	0	705	1,451	1,851	03/07/18	1,012	1,749	--	--	.	--	--	--
Temperature, Degrees Celsius	2014-2017	9	0	4.4	13.7	22.0	06/07/17	5.1	20.5	--	--	--	--	--	--
Temperature, Degrees Celsius	2018-2019	20	0	0.0	12.6	21.6	07/10/18	3.7	18.9	--	--	--	--	--	--
Temperature, Degrees Celsius March-November	2014-2017	8	0	5.8	15.4	22.0	06/07/17	7.5	21.0	28.6	0	--	--	--	L
Temperature, Degrees Celsius March-November	2018-2019	18	0	0.4	14.4	21.6	07/10/18	5.4	19.2	28.6	0	--	--	--	L
Temperature, Degrees Celsius December-February	2017	1	0	4.4	NC	4.4	02/06/17	NC	NC	14.3	0	--	--	--	NC
Temperature, Degrees Celsius December-February	2018-2019	2	0	0.0	NC	3.9	02/07/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephelometric turbidity ratio-units	2017	8	1	0 *	27.8	55.4	08/09/17	1.0	50.3	--	--	--	--	--	--
Turbidity, in nephelometric turbidity ratio-units	2018-2019	20	0	2.7	11.8	90.8	07/09/19	3.9	53.1	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2017	8	0	716	1,003	1,352	03/08/17	784	1,323	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	20	0	482	1,133	1,458	03/07/18	700	1,358	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2017	8	0	665	931	1,272	03/08/17	724	1,235	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	20	0	447	1,010	1,303	03/07/18	666	1,268	--	--	.	--	--	--
Hardness, in milligrams per liter	2017	8	0	417	583	765	03/08/17	453	753	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	20	0	274	651	839	03/07/18	430	756	--	--	.	--	--	--
Calcium, in milligrams per liter	2017	8	0	89.2	123	155	03/08/17	95.0	155	--	--	.	--	--	--
Calcium, in milligrams per liter	2018-2019	20	0	58.5	133	157	03/07/18	89.9	149	--	--	.	--	--	--
Magnesium, in milligrams per liter	2017	8	0	47.3	67.0	91.8	03/08/17	52.3	89.0	--	--	.	--	--	--
Magnesium, in milligrams per liter	2018-2019	20	0	31.0	77.7	109	03/07/18	49.9	94.2	--	--	.	--	--	--
Potassium, in milligrams per liter	2017	8	0	4.1	5.5	6.6	05/10/17	4.1	6.4	--	--	.	--	--	--
Potassium, in milligrams per liter	2018-2019	20	0	2.5	5.2	6.2	03/07/18	4.0	6.0	--	--	.	--	--	--
Sodium, in milligrams per liter	2017	8	0	56.5	84.8	125	03/08/17	62.4	120	--	--	.	--	--	--
Sodium, in milligrams per liter	2018-2019	20	0	42.3	93.8	138	03/07/18	62.5	122	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2017	8	0	167	217	256	03/08/17	172	253	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2018-2019	20	0	106	227	263	03/07/18	159	254	--	--	.	--	--	--
Chloride, in milligrams per liter	2017	8	0	22.3	34.7	44.6	03/08/17	23.6	44.2	250	0	.	--	--	L
Chloride, in milligrams per liter	2018-2019	20	0	18.0	34.7	56.0	03/05/19	23.3	48.3	250	0	.	--	--	L
Sulfate, in milligrams per liter	2017	8	0	336	480	670	03/08/17	362	645	250	8	.	--	--	H
Sulfate, in milligrams per liter	2018-2019	20	0	223	508	688	03/05/19	327	663	250	18	.	--	--	H

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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
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2014-2017	9	0	0.665	0.922	1.39	07/12/17	0.717	1.38	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2018-2019	20	0	0.637	0.982	2.99	04/09/19	0.759	1.71	--	--	--	--	--	--
Ammonia, in milligrams per liter as N	2014-2017	9	0	0.061	0.157	0.621	02/06/17	0.068	0.461	1.79	0	4.49	0	--	L
Ammonia, in milligrams per liter as N	2018-2019	20	1	0 *	0.125	1.96	04/09/19	0.084	0.855	1.86	1	4.69	0	--	L
Nitrite plus nitrate, in milligrams per liter as N	2014-2017	9	0	1.96	3.14	5.10	03/08/17	2.24	4.88	--	--	100	0	--	--
Nitrite plus nitrate, in milligrams per liter as N	2018-2019	20	0	1.32	3.52	4.90	03/05/19	2.06	4.56	--	--	100	0	--	--
Orthophosphate, in milligrams per liter as P	2014-2017	9	0	0.146	0.261	0.658	03/08/17	0.164	0.593	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	2018-2019	20	0	0.149	0.253	0.669	03/07/18	0.175	0.477	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2014-2017	9	0	0.158	0.312	0.696	03/08/17	0.173	0.651	--	--	--	--	--	--
Phosphorus, in milligrams per liter as P	2018-2019	20	0	0.154	0.292	0.737	03/07/18	0.173	0.543	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter as P	2014-2017	9	0	0.207	0.438	0.804	03/08/17	0.265	0.764	0.17	9	--	--	--	H
Phosphorus, unfiltered, in milligrams per liter as P	2018-2019	20	0	0.296	0.470	0.809	03/07/18	0.337	0.626	0.17	20	--	--	--	H
Copper, in micrograms per liter	2017	8	1	0 *	1.4	2.3	09/13/17	0.38	2.1	29.3	0	49.6	0	--	L
Copper, in micrograms per liter	2018-2019	20	6	0 *	1.00	2.8	10/11/17	0 *	1.7	29.3	0	49.6	0	--	L
Iron, in micrograms per liter	2017	8	0	10.2	11.9	19.8	04/12/17	10.3	17.8	300	0	.	--	--	L
Iron, in micrograms per liter	2018-2019	20	12	0 *	0 *	37.6	07/09/19	0 *	27.1	300	0	.	--	--	L
Lead, in micrograms per liter	2017	8	2	0 *	0.042	0.069	02/06/17	0 *	0.065	10.9	0	281	0	--	L
Lead, in micrograms per liter	2018-2019	20	9	0 *	0.041	0.12	03/05/19	0 *	0.066	10.9	0	281	0	--	L
Manganese, in micrograms per liter	2017	8	0	56.2	110	204	05/10/17	63.8	187	2,618	0	4,738	0	--	L
Manganese, in micrograms per liter	2018-2019	20	0	31.8	90.2	214	04/09/19	43.7	131	2,618	0	4,738	0	--	L
Nickel, in micrograms per liter	2017	8	1	0 *	1.4	1.6	05/10/17	0.39	1.5	168	0	1,513	0	--	L
Nickel, in micrograms per liter	2018-2019	20	1	0 *	1.2	2.0	03/07/18	0.93	1.5	168	0	1,513	0	--	L
Silver, in micrograms per liter	2017	8	8	0 *	0 *	0 *	02/06/17	0 *	0 *	3.5	0	22.0	0	--	L
Silver, in micrograms per liter	2018-2019	20	20	0 *	0 *	0 *	10/11/17	0 *	0 *	3.5	0	22.0	0	--	L
Arsenic, in micrograms per liter	2017	8	0	0.73	1.1	1.8	07/12/17	0.74	1.6	--	--	340	0	--	--
Arsenic, in micrograms per liter	2018-2019	20	0	0.54	0.93	1.5	07/10/18	0.63	1.2	--	--	340	0	--	--
Ethylbenzene (total), in micrograms per liter	2014	1	1	0 *	NC	0 *	10/25/13	NC	NC	530	0	.	--	--	NC
m- + p-Xylene (total) in micrograms per liter	2014	1	1	0 *	NC	0 *	10/25/13	NC	NC	1,400	0	.	--	--	NC
Organic carbon (total), in milligrams per liter	2017	8	0	5.3	6.3	7.5	05/10/17	5.3	7.4	--	--	.	--	--	--
Organic carbon (total), in milligrams per liter	2018-2019	20	0	4.8	5.8	7.0	04/11/18	4.9	6.7	--	--	.	--	--	--
o-Xylene (total), in micrograms per liter	2014	1	1	0 *	NC	0 *	10/25/13	NC	NC	1,400	0	.	--	--	NC
Toluene (total), in micrograms per liter	2014	1	1	0 *	NC	0 *	10/25/13	NC	NC	510	0	.	--	--	NC