Table 16. Summary of measured constituents and properties for Big Thompson River at I-25 near Loveland, Co., station 06741530

[--, 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	2001-2013	160	0	1.3	19.9	1,150	06/08/10	9.6	50.1	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2014-2015	20	0	12.5	101	1,237	06/09/15	34.0	147	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2001-2013	155	0	4.9	9.0	16.4	05/16/07	7.2	11.9	5.0	1	--	--	--	L
Dissolved oxygen, in milligrams per liter	2014-2015	20	0	7.1	9.4	12.8	02/10/14	7.8	10.9	5.0	0	--	--	--	L
pH, in standard units	2001-2013	159	0	7.1	8.0	8.8	06/14/01	7.9	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2014-2015	20	0	7.5	7.9	8.2	10/21/13	7.8	8.1	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	2001-2007	79	0	6.8	7.7	8.6	04/18/01	7.5	8.0	6.5-9.0	0		--	0.10	L
Specific conductance, in microsiemens per centimeter	2001-2013	160	0	102	944	1,738	05/06/09	458	1,241	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2014-2015	20	0	122	561	774	09/09/15	303	701	--	--	.	--	--	--
Temperature, Degrees Celsius	2001-2013	160	0	0.0	12.5	23.6	08/15/07	4.6	19.0	--	--	--	--	--	--
Temperature, Degrees Celsius	2014-2015	20	0	0.9	9.5	19.8	08/11/15	5.6	17.9	--	--	--	--	--	--
Temperature, Degrees Celsius March-November	2001-2013	133	0	4.0	14.0	23.6	08/15/07	7.8	19.5	29.0	0	--	--	--	L
Temperature, Degrees Celsius March-November	2014-2015	18	0	5.4	10.6	19.8	08/11/15	5.7	18.1	29.0	0	--	--	--	L
Temperature, Degrees Celsius December-February	2002-2013	27	0	0.0	3.5	6.5	12/08/08	1.6	5.0	14.5	0	--	--	--	L
Temperature, Degrees Celsius December-February	2014-2015	2	0	0.9	NC	5.6	02/10/15	NC	NC	14.5	0	--	--	--	NC
Turbidity, in nephlometric turbidity ratio-units	2005-2013	104	23	0 *	3.1	40.1	07/27/06	0 *	13.6	--	--	--	--	2.0	--
Turbidity, in nephlometric turbidity ratio-units	2014-2015	20	0	2.9	13.4	45.4	05/12/14	7.0	37.2	--	--	--	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2001-2013	160	0	103	668	1,408	05/06/09	303	944	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2014-2015	20	0	74.1	372	526	09/09/15	183	483	--	--	.	--	--	--
Calcium, in milligrams per liter	2001-2013	160	0	8.8	83.3	170	05/06/09	41.2	114	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2014-2015	20	0	12.1	54.4	77.2	09/09/15	27.6	69.2	--	--	.	--	--	--
Magnesium, in milligrams per liter	2001-2013	160	0	3.0	39.0	86.7	05/06/09	17.8	53.8	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2014-2015	20	0	3.8	19.5	32.2	09/09/15	10.6	29.3	--	--	.	--	--	--
Potassium, in milligrams per liter	2002-2013	144	0	1.1	3.8	8.8	01/16/03	2.0	7.8	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2014-2015	20	0	0.92	2.6	3.7	09/09/15	1.6	3.4	--	--	.	--	--	--
Sodium, in milligrams per liter	2001-2013	160	0	5.4	55.5	135	03/27/03	25.2	91.3	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2014-2015	20	0	6.1	29.5	45.7	09/09/15	15.4	40.0	--	--	.	--	--	--
Alkalinity, in milligrams per liter	2002-2013	144	0	21.0	122	259	05/06/09	68.3	158	--	--	.	--	4.6	--
Alkalinity, in milligrams per liter	2014-2015	20	0	28.2	96.4	142	09/09/15	52.3	127	--	--	.	--	--	--
Chloride, in milligrams per liter	2001-2013	160	0	3.2	19.5	74.4	12/13/07	8.6	42.9	--	--	.	--	0.060	--
Chloride, in milligrams per liter	2014-2015	20	0	3.6	17.2	21.8	09/09/15	8.1	21.4	--	--	.	--	--	--
Sulfate, in milligrams per liter	2001-2013	160	0	21.0	317	715	05/06/09	143	440	--	--	.	--	0.090	--
Sulfate, in milligrams per liter	2014-2015	20	0	22.1	156	239	09/09/14	74.4	219	--	--	.	--	--	--
Ammonia plus organic nitrogen in milligrams per liter	2001-2013	159	0	0.304	0.616	6.33	01/15/04	0.460	1.48	--	--	--	--	0.070	--
Ammonia plus organic nitrogen in milligrams per liter	2014-2015	20	0	0.282	0.501	0.751	09/09/15	0.412	0.716	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	2001-2013	159	2	0 *	0.035	4.26	01/15/04	0.017	0.261	2.18	5	5.67	1	0.010	L

Table 16. Summary of measured constituents and properties for Big Thompson River at I-25 near Loveland, Co., station 06741530

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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 nitrogen, in milligrams per liter	2014-2015	20	2	0 *	0.027	0.045	09/09/15	0.012	0.038	2.64	0	6.92	0	--	L
Nitrite plus nitrate nitrogen, in milligrams per liter	2001-2013	159	0	0.238	3.22	12.6	02/12/04	0.914	8.64	--	--	100	0	0.010	--
Nitrite plus nitrate nitrogen, in milligrams per liter	2014-2015	20	0	0.223	1.15	2.53	02/10/15	0.599	2.36	--	--	100	0	--	--
Orthophosphate, in milligrams per liter	2001-2013	159	0	0.034	0.516	2.36	04/13/09	0.194	1.86	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2014-2015	20	0	0.029	0.160	0.469	02/10/15	0.096	0.362	--	--	--	--	--	--
Phosphorus, in milligrams per liter	2001-2013	159	0	0.046	0.577	2.34	02/12/04	0.212	1.89	--	--	--	--	0.0030	--
Phosphorus, in milligrams per liter	2014-2015	20	0	0.035	0.165	0.518	02/10/15	0.102	0.417	--	--	--	--	--	--
Phosphorus (total), in milligrams per liter	2001-2013	159	0	0.138	0.607	2.54	02/13/03	0.265	1.94	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter	2014-2015	20	0	0.172	0.268	0.578	02/10/14	0.181	0.474	--	--	--	--	--	--
Copper, in micrograms per liter	2001-2013	160	9	0 *	2.5	9.8	01/14/08	1.3	4.6	29.3	0	49.6	0	0.80	L
Copper, in micrograms per liter	2014-2015	20	0	0.94	1.8	32.7	02/10/14	1.3	3.4	29.3	1	49.6	0	--	L
Iron, in micrograms per liter	2001-2013	160	9	0 *	42.9	470	03/21/02	16.8	65.6	1,000	0	.	--	4.0	L
Iron, in micrograms per liter	2014-2015	20	0	15.0	70.5	435	02/10/14	18.1	344	1,000	0	.	--	--	L
Lead, in micrograms per liter	2001-2013	160	19	0 *	0.13	1.9	10/16/08	0.049	0.41	10.9	0	281	0	0.025	L
Lead, in micrograms per liter	2014-2015	20	1	0 *	0.075	0.49	03/10/14	0.042	0.28	10.9	0	281	0	--	L
Manganese, in micrograms per liter	2001-2013	160	1	0 *	38.0	332	05/06/09	19.7	75.2	2,618	0	4,738	0	0.15	L
Manganese, in micrograms per liter	2014-2015	20	0	12.8	45.2	106	03/10/14	19.7	98.4	2,618	0	4,738	0	--	L
Mercury, in nanograms per liter	2005-2013	40	0	0.60	1.6	11.1	06/08/10	0.90	2.7	10.0	1	.	--	0.040	L
Mercury, in nanograms per liter	2014-2015	6	0	1.5	4.7	11.4	05/14/15	1.5	11.1	10.0	1	.	--	--	L
Nickel, in micrograms per liter	2001-2013	160	8	0 *	1.5	20.5	06/06/02	0.65	4.4	168	0	1,513	0	0.090	L
Nickel, in micrograms per liter	2014-2015	20	0	0.41	1.00	1.5	03/10/15	0.56	1.4	168	0	1,513	0	--	L
Silver, in micrograms per liter	2001-2013	160	140	0 *	0 *	0.14	12/16/05	0 *	0 *	3.5	0	22.0	0	0.0050	L
Silver, in micrograms per liter	2014-2015	20	20	0 *	0 *	0 *	10/21/13	0 *	0 *	3.5	0	22.0	0	--	L
Arsenic, in micrograms per liter	2001-2013	159	17	0 *	0.48	1.1	08/14/03	0.34	0.76	--	--	340	0	0.040	--
Arsenic, in micrograms per liter	2014-2015	20	0	0.21	0.38	0.82	09/09/15	0.27	0.66	--	--	340	0	--	--
Selenium, in micrograms per liter	2005-2013	95	0	0.43	2.7	7.1	05/06/09	1.2	3.9	4.6	5	18.4	0	0.030	M
Selenium, in micrograms per liter	2014-2015	20	0	0.40	1.9	3.3	04/07/14	0.84	2.8	4.6	0	18.4	0	--	M
Benzene (total), in micrograms per liter	2001-2008	95	95	0 *	0 *	0 *	03/14/01	0 *	0 *	51.0	0	.	--	0.40	L
Ethylbenzene (total), in micrograms per liter	2001-2008	93	91	0 *	0 *	0.70	10/25/01	0 *	0 *	2,100	0	.	--	0.40	L
m- + p-Xylene (total) in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1,400	0	.	--	0.40	L
Organic carbon (total), in milligrams per liter	2001-2013	132	0	2.0	5.6	9.2	02/12/04	4.3	7.3	--	--	.	--	0.50	--
Organic carbon (total), in milligrams per liter	2014-2015	20	0	3.8	5.5	11.5	05/14/15	4.1	6.8	--	--	.	--	--	--
o-Xylene (total), in micrograms per liter	2001-2008	96	96	0 *	0 *	0 *	03/14/01	0 *	0 *	1,400	0	.	--	0.40	L
Toluene (total), in micrograms per liter	2001-2008	96	93	0 *	0 *	0.90	05/08/03	0 *	0 *	5,900	0	.	--	0.40	L