Table 4. Summary of measured constituents and properties for Fraser River below Buck Creek at Winter Park, CO., station 09023750

[--, 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; **, Geometric mean; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli,* 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	1990-2016	451	0	2.5	7.1	247	07/05/11	4.5	20.4	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2017-2018	24	0	3.7	7.5	131	06/20/17	4.8	22.5	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2016	438	0	7.6	9.8	14.7	10/23/96	8.7	10.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2017-2018	24	0	8.5	9.9	10.6	12/19/17	9.0	10.5	6.0	0	--	--	--	L
pH, in standard units	1990-2016	446	0	7.0	8.0	9.0	11/17/93	7.7	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2017-2018	24	0	7.4	7.8	8.2	02/22/17	7.6	8.0	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1999-2001	30	0	6.8	7.7	8.1	03/08/99	7.5	7.9	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1999-2010	54	0	56.1	121	305	04/17/03	82.3	187	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2016	449	0	39.0	102	335	04/05/06	73.5	146	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2017-2018	24	0	53.0	120	317	02/13/18	94.5	218	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2016	451	0	0.0	3.0	14.0	07/15/02	0.7	8.2	--	--	--	--	--	--
Temperature, degrees Celsius	2017-2018	24	0	0.0	2.9	9.4	07/25/17	0.4	7.0	--	--	--	--	--	--
Temperature, degrees Celsius June-September	1990-2016	161	0	2.5	7.6	14.0	07/15/02	5.3	10.2	21.7	0	--	--	--	L
Temperature, degrees Celsius June-September	2017-2018	8	0	4.3	6.5	9.4	07/25/17	4.3	8.9	21.7	0	--	--	--	L
Temperature, degrees Celsius October-May	1991-2016	290	0	0.0	1.5	7.5	10/04/00	0.5	3.8	13.0	0	--	--	--	L
Temperature, degrees Celsius October-May	2017-2018	16	0	0.0	1.7	5.0	05/14/18	0.2	4.2	13.0	0	--	--	--	L
Residue, in milligrams per liter	2017-2018	10	0	57.0	84.0	170	03/21/17	57.7	147	--	--	.	--	5.0	--
Hardness, in milligrams per liter	1999-2016	120	0	18.1	36.3	62.9	04/17/03	25.4	47.2	--	--	.	--	--	--
Hardness, in milligrams per liter	2017-2018	12	0	22.0	35.0	54.9	03/21/17	26.2	47.2	--	--	.	--	--	--
Residue (total), in milligrams per liter	1994-2010	178	100	0 *	0 *	248	03/19/02	0 *	13.0	--	--	.	--	15.0	--
Residue (total), in milligrams per liter	2017-2018	10	7	0 *	0 *	8.0	05/14/18	0 *	6.1	--	--	.	--	2.0	--
Calcium, in milligrams per liter	1999-2016	120	0	4.5	9.3	16.0	04/17/03	6.3	12.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2017-2018	12	0	5.7	8.3	14.2	03/21/17	6.7	12.4	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1999-2016	121	0	1.5	3.2	5.6	04/17/03	2.3	4.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2017-2018	12	0	1.9	3.3	4.7	03/21/17	2.3	4.2	--	--	.	--	0.011	--
Potassium, in milligrams per liter	2002	1	0	1.1	NC	1.1	09/12/02	NC	NC	--	--	.	--	0.11	--
Sodium, in milligrams per liter	2002	1	0	7.9	NC	7.9	09/12/02	NC	NC	--	--	.	--	0.090	--
Chloride, in milligrams per liter	1994-2016	262	0	2.6	13.0	76.9	04/05/06	7.3	30.2	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2017-2018	24	0	3.4	13.7	69.9	02/13/18	9.2	44.4	250	0	.	--	0.020	L
Silica, in milligrams per liter	2002	1	0	10.7	NC	10.7	09/12/02	NC	NC	--	--	.	--	0.13	--
Sulfate, in milligrams per liter	2002	1	0	3.0	NC	3.0	09/12/02	NC	NC	250	0	.	--	0.11	NC
Sulfate, in milligrams per liter	2017-2018	10	0	1.9	2.9	3.5	03/21/17	2.1	3.3	250	0	.	--	0.020	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2000	1	0	0.078	NC	0.078	08/15/00	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	1993-2016	275	197	0 *	0 *	0.068	04/10/02	0 *	0.006	2.58	0	6.54	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2017-2018	24	22	0 *	0 *	0.011	01/24/17	0 *	0 *	3.25	0	8.57	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1993-2016	275	11	0 *	0.075	0.288	04/10/02	0.032	0.118	--	--	10.0	0	0.010	--

Table 4. Summary of measured constituents and properties for Fraser River below Buck Creek at Winter Park, CO., station 09023750

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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
Nitrite plus nitrate, in milligrams per liter	2017-2018	24	0	0.024	0.059	0.127	03/21/17	0.030	0.111	--	--	10.0	0	0.010	--
Nitrite nitrogen, in milligrams per liter	1993-2016	275	161	0 *	0 *	0.008	04/21/95	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter	2017-2018	24	23	0 *	0 *	0.002	02/13/18	0 *	0 *	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter	1995-2016	254	128	0 *	0 *	0.037	01/16/07	0 *	0.005	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2017-2018	24	19	0 *	0 *	0.008	05/14/18	0 *	0.005	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1995-2010	171	47	0 *	0.003	0.041	01/16/07	0 *	0.006	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter	1999-2016	215	12	0 *	0.011	0.195	04/17/07	0.006	0.026	0.11	3	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter	2017-2018	24	3	0 *	0.006	0.063	02/13/18	0.003	0.019	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2016	84	3	0 *	0.140	0.362	05/27/14	0.084	0.213	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2017-2018	24	0	0.059	0.128	0.239	05/14/18	0.082	0.207	--	--	--	--	0.050	--
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	2002	1	0	4	NC	4	09/12/02	--	NC**	126	0	--	--	1	NC
Cadmium, in micrograms per liter	2017-2018	10	10	0 *	0 *	0 *	11/29/16	0 *	0 *	0.21	0	0.75	0	0.030	L
Chromium, unfiltered, in micrograms per liter	2017-2018	10	8	0 *	0 *	1.3	04/25/17	0 *	0.83	--	--	.	--	0.50	--
Copper, in micrograms per liter	2009-2016	31	5	0 *	1.0	4.5	05/16/11	0 *	2.4	4.0	2	5.5	0	0.80	M
Copper, in micrograms per liter	2017-2018	12	0	0.27	0.63	1.6	05/23/17	0.32	1.3	4.0	0	5.5	0	0.40	L
Iron, in micrograms per liter	2012-2016	20	0	68.3	118	200	05/22/13	90.3	166	300	0	.	--	5.0	M
Iron, in micrograms per liter	2017-2018	12	0	62.9	137	230	05/14/18	84.6	209	300	0	.	--	10.0	M
Iron, unfiltered, in micrograms per liter	2017-2018	10	0	185	293	1,212	04/25/17	196	814	1,000	1	.	--	10.0	L
Lead, in micrograms per liter	2009-2016	32	1	0 *	0.099	0.25	03/24/15	0.051	0.15	0.89	0	22.8	0	0.040	L
Lead, in micrograms per liter	2017-2018	12	2	0 *	0.036	0.086	05/14/18	0 *	0.056	0.89	0	22.8	0	0.020	L
Manganese, in micrograms per liter	2017-2018	10	0	9.0	12.9	31.7	03/21/17	10.1	27.2	1,204	0	2,179	0	0.40	L
Mercury, unfiltered, in nanograms per liter	2012-2016	10	0	1.5	3.9	8.9	09/25/12	2.0	7.4	10.0	0	.	--	0.040	L
Mercury, unfiltered, in nanograms per liter	2017-2018	10	0	0.43	1.2	4.5	05/14/18	0.45	3.8	10.0	0	.	--	0.040	L
Nickel, in micrograms per liter	2017-2018	10	3	0 *	0.32	0.41	04/25/17	0 *	0.39	23.4	0	210	0	0.20	L
Silver, in micrograms per liter	2017-2018	10	10	0 *	0 *	0 *	11/29/16	0 *	0 *	--	--	.	--	1.0	--
Zinc, in micrograms per liter	2009-2016	32	7	0 *	2.2	11.6	05/06/09	0 *	4.2	15.6	0	67.7	0	2.0	L
Zinc, in micrograms per liter	2017-2018	12	7	0 *	0 *	3.9	03/21/17	0 *	3.5	15.6	0	67.7	0	2.0	L
Arsenic, unfiltered in micrograms per liter	2017-2018	10	4	0 *	0.077	0.18	04/25/17	0 *	0.18	0.020	6	.	--	0.10	H
Boron, unfiltered in micrograms per liter	2017-2018	10	0	2.1	3.7	7.1	03/21/17	2.6	6.8	--	--	.	--	2.0	--
Cyanide, unfiltered, in milligrams per liter	2017-2018	10	6	0 *	0 *	0.0017	05/23/17	0 *	0.0009	--	--	--	--	0.0020	--
Selenium, in micrograms per liter	2017-2018	10	8	0 *	0 *	0.055	05/23/17	0 *	0.055	4.6	0	18.4	0	0.050	L
Uranium (natural), in micrograms per liter	2017-2018	10	0	1.6	3.1	16.5	11/29/16	1.7	10.1	30.0	0	.	--	0.030	L