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	1990-2012	403	0	2.5	7.1	247	07/05/11	4.5	20.4	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	24	0	3.9	9.7	166	05/27/14	4.4	26.2	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	390	0	7.6	9.8	14.7	10/23/96	8.7	10.6	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	24	0	8.6	10.1	10.7	11/27/12	9.0	10.4	6.0	0	--	--	--	L
pH, in standard units	1990-2012	398	0	7.0	8.0	9.0	11/17/93	7.7	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	24	0	7.3	7.8	8.3	02/20/13	7.5	7.9	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	1990-2012	401	0	39.0	98.0	335	04/05/06	73.0	143	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	24	0	59.0	119	229	04/22/14	83.0	170	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	403	0	0.0	3.0	14.0	07/15/02	0.8	8.2	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	24	0	0.2	2.3	8.4	06/18/13	0.3	7.5	--	--	--	--	--	--
Temperature, water, degrees Celsius June-September	1990-2012	145	0	2.5	7.5	14.0	07/15/02	5.3	10.1	21.7	0	--	--	--	L
Temperature, water, degrees Celsius June-September	2013-2014	8	0	3.5	7.2	8.4	06/18/13	3.5	8.3	21.7	0	--	--	--	L
Temperature, water, degrees Celsius October-May	1991-2012	258	0	0.0	1.5	7.5	10/04/00	0.5	3.8	13.0	0	--	--	--	L
Temperature, water, degrees Celsius October-May	2013-2014	16	0	0.2	1.1	4.9	05/27/14	0.3	3.6	13.0	0	--	--	--	L
Hardness, in milligrams per liter	1999-2012	104	0	18.4	37.1	62.9	04/17/03	25.2	47.1	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	8	0	18.1	29.5	47.3	03/25/14	20.9	46.0	--	--	.	--	--	--
Residue (total), in milligrams per liter	1994-2010	178	100	0 *	0 *	248	03/19/02	0 *	13.0	--	--	.	--	15.0	--
Calcium, in milligrams per liter	1999-2012	104	0	4.6	9.5	16.0	04/17/03	6.3	12.0	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	8	0	4.5	7.3	12.1	03/25/14	5.1	11.7	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1999-2012	105	0	1.5	3.2	5.6	04/17/03	2.3	4.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	8	0	1.7	2.9	4.2	03/25/14	2.0	4.1	--	--	.	--	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	1994-2012	214	0	2.6	13.0	76.9	04/05/06	7.0	30.3	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	24	0	5.3	12.8	48.2	04/22/14	8.9	25.8	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
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2000	1	0	0.078	NC	0.078	08/15/00	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter as N	1993-2012	227	150	0 *	0 *	0.068	04/10/02	0 *	0.008	2.38	0	5.86	0	0.010	L
Ammonia nitrogen, in milligrams per liter as N	2013-2014	24	24	0 *	0 *	0 *	10/23/12	0 *	0 *	3.37	0	9.17	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1993-2012	227	10	0 *	0.074	0.288	04/10/02	0.032	0.119	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	24	0	0.017	0.087	0.178	04/22/14	0.030	0.117	10.0	0	--	--	0.010	L
Nitrite nitrogen, in milligrams per liter as N	1993-2012	227	120	0 *	0 *	0.008	04/21/95	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter as N	2013-2014	24	23	0 *	0 *	0.001	12/18/12	0 *	0 *	0.05	0	--	--	0.0010	L

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
Orthophosphate, in milligrams per liter as P	1995-2012	206	96	0 *	0.001	0.037	01/16/07	0 *	0.006	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	24	17	0 *	0 *	0.006	04/22/14	0 *	0.004	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-2010	171	47	0 *	0.003	0.041	01/16/07	0 *	0.006	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter as P	1999-2012	167	12	0 *	0.012	0.195	04/17/07	0.007	0.027	0.11	3	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	24	0	0.005	0.009	0.067	05/27/14	0.006	0.019	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2012	36	2	0 *	0.137	0.307	03/20/12	0.073	0.214	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2013-2014	24	0	0.077	0.140	0.362	05/27/14	0.086	0.210	--	--	--	--	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
Copper, in micrograms per liter	2009-2012	16	1	0 *	0.97	4.5	05/16/11	0.54	3.1	4.0	2	5.5	0	0.80	M
Copper, in micrograms per liter	2013-2014	8	0	0.94	1.2	2.3	03/25/14	0.98	2.0	4.0	0	5.5	0	0.80	M
Iron, in micrograms per liter	2012	4	0	93.4	NC	160	07/31/12	NC	NC	300	0	.	--	3.2	NC
Iron, in micrograms per liter	2013-2014	8	0	68.3	109	200	05/22/13	75.8	172	300	0	.	--	4.0	M
Lead, in micrograms per liter	2009-2012	16	0	0.049	0.11	0.15	03/20/12	0.051	0.14	0.88	0	22.5	0	0.025	L
Lead, in micrograms per liter	2013-2014	8	0	0.052	0.10	0.18	10/23/12	0.054	0.17	0.88	0	22.5	0	0.040	L
Mercury, unfiltered, in nanograms per liter	2012	2	0	3.6	NC	8.9	09/25/12	NC	NC	10.0	0	.	--	0.040	NC
Mercury, unfiltered, in nanograms per liter	2013-2014	4	0	1.5	NC	6.7	05/27/14	NC	NC	10.0	0	.	--	0.040	NC
Zinc, in micrograms per liter	2009-2012	16	3	0 *	1.6	11.6	05/06/09	0 *	5.6	15.3	0	67.1	0	1.4	L
Zinc, in micrograms per liter	2013-2014	8	1	0 *	2.3	3.5	03/26/13	0.55	3.4	15.3	0	67.1	0	2.0	L