Table 2. Summary of measured constituents and properties for Fraser River at Upper Station, near Winter Park, CO., station 09022000

[--, 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	279	0	0.61	5.7	140	06/02/03	2.7	23.8	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2017-2018	12	0	2.4	5.0	36.4	05/14/18	2.8	19.8	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1994-2016	177	0	7.3	9.8	12.8	10/23/96	8.8	10.3	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2017-2018	12	0	8.5	9.9	10.6	11/14/17	9.0	10.5	6.0	0	--	--	--	L
pH, in standard units	1994-2016	179	0	7.0	8.0	8.7	02/16/99	7.6	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2017-2018	12	0	7.5	7.7	8.0	11/29/16	7.5	7.9	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1995-2001	31	0	7.2	7.6	8.0	03/21/01	7.4	7.8	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2010	45	0	59.2	101	367	05/07/03	74.4	189	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2016	276	0	33.0	95.0	385	05/07/03	65.0	156	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2017-2018	12	0	82.0	114	150	05/23/17	90.6	121	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2016	280	0	0.0	2.6	13.0	07/15/02	0.0	7.0	--	--	--	--	--	--
Temperature, degrees Celsius	2017-2018	12	0	0.0	2.0	7.2	07/25/17	0.0	6.4	--	--	--	--	--	--
Temperature, degrees Celsius June-September	1990-2016	109	0	2.0	6.5	13.0	07/15/02	3.7	8.9	21.7	0	--	--	--	L
Temperature, degrees Celsius June-September	2017-2018	4	0	1.4	NC	7.2	07/25/17	NC	NC	21.7	0	--	--	--	NC
Temperature, degrees Celsius October-May	1990-2016	171	0	0.0	0.7	6.0	05/06/02	0.0	3.1	13.0	0	--	--	--	L
Temperature, degrees Celsius October-May	2017-2018	8	0	0.0	1.0	3.7	10/25/16	0.0	3.6	13.0	0	--	--	--	L
Residue, in milligrams per liter	1995-1998	3	0	46.0	NC	165	03/26/98	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-1998	3	0	39.6	NC	150	03/26/98	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2016	81	0	18.1	32.4	214	05/03/06	24.0	42.9	--	--	.	--	--	--
Hardness, in milligrams per liter	2017-2018	4	0	25.2	NC	34.1	09/26/18	NC	NC	--	--	.	--	--	--
Residue (total), in milligrams per liter	1994-2010	135	94	0 *	0 *	20.0	06/07/95	0 *	2.0	--	--	.	--	15.0	--
Calcium, in milligrams per liter	1995-2016	81	0	4.2	7.4	47.8	05/03/06	5.7	10.4	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2017-2018	4	0	6.3	NC	8.4	05/23/17	NC	NC	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2016	81	0	1.8	3.4	23.0	05/03/06	2.3	4.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2017-2018	4	0	2.3	NC	3.7	09/26/18	NC	NC	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2013	5	0	0.37	NC	0.81	03/26/98	NC	NC	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1995-2013	5	0	4.0	NC	34.8	03/26/98	NC	NC	--	--	.	--	0.060	--
Alkalinity, in milligrams per liter	2012-2016	30	0	17.9	29.8	34.0	09/25/12	22.1	32.2	--	--	.	--	4.0	--
Chloride, in milligrams per liter	1994-2016	180	0	0.28	12.8	97.3	05/07/03	6.6	31.3	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2017-2018	12	0	7.9	13.7	30.1	05/23/17	10.3	20.1	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-1998	3	0	0.20	NC	0.30	09/21/98	NC	NC	2.0	0	.	--	--	NC
Silica, in milligrams per liter	1995-2002	4	0	7.4	NC	8.5	03/26/98	NC	NC	--	--	.	--	0.13	--
Sulfate, in milligrams per liter	1995-2013	5	0	1.9	NC	2.6	04/07/95	NC	NC	250	0	.	--	0.090	NC
Ammonia plus organic nitrogen, in milligrams per liter	1995-1998	3	3	0 *	NC	0 *	04/07/95	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	1995-1998	3	3	0 *	NC	0 *	04/07/95	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	1995-2016	172	125	0 *	0 *	0.035	07/16/98	0 *	0.005	2.69	0	7.08	0	0.010	L

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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	2017-2018	12	12	0 *	0 *	0 *	10/25/16	0 *	0 *	3.56	0	9.72	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1995-2016	172	2	0 *	0.095	0.242	05/12/04	0.048	0.135	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2017-2018	12	0	0.040	0.088	0.158	12/19/17	0.052	0.126	--	--	10.0	0	0.010	--
Nitrite nitrogen, in milligrams per liter	1995-2016	173	129	0 *	0 *	0.010	03/26/98	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter	2017-2018	12	11	0 *	0 *	0.002	05/23/17	0 *	0.0001	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter	1995-2016	173	107	0 *	0 *	0.007	07/22/10	0 *	0.004	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2017-2018	12	11	0 *	0 *	0.005	05/14/18	0 *	0.0003	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1995-2010	130	61	0 *	0.001	0.015	09/15/05	0 *	0.003	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter	1995-2016	132	50	0 *	0.004	0.029	05/28/14	0 *	0.008	0.11	0	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter	2017-2018	12	5	0 *	0.005	0.012	05/14/18	0 *	0.006	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2016	43	1	0 *	0.153	0.335	09/24/13	0.093	0.188	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2017-2018	12	0	0.075	0.130	0.224	05/14/18	0.085	0.170	--	--	--	--	0.050	--
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	2002	1	0	2	NC	2	09/12/02	--	NC**	126	0	--	--	1	NC
Biomass, periphyton, ash free dry mass, in grams per square meter	1998	2	0	3.30	NC	5.70	03/26/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, ash weight, in grams per square meter	1998	2	0	91.0	NC	184	03/26/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, dry weight, in grams per square meter	1998	2	0	94.3	NC	190	03/26/98	NC	NC	--	--	--	--	--	--
Chlorophyll a, periphyton, in milligrams per square meter	1998	2	0	2.90	NC	3.80	09/21/98	NC	NC	150	0	--	--	--	NC
Copper, in micrograms per liter	2009-2016	16	7	0 *	0.74	4.9	10/13/10	0 *	2.8	3.5	1	4.7	1	0.80	M
Copper, in micrograms per liter	2017-2018	4	0	0.50	NC	1.8	09/26/18	NC	NC	3.5	0	4.7	0	0.40	NC
Iron, in micrograms per liter	1995-2016	13	0	45.6	65.8	147	03/26/98	46.8	107	300	0	.	--	4.0	L
Iron, in micrograms per liter	2017-2018	4	0	62.3	NC	80.0	05/14/18	NC	NC	300	0	.	--	10.0	NC
Lead, in micrograms per liter	2009-2016	16	6	0 *	0.039	0.086	05/16/11	0 *	0.068	0.74	0	18.9	0	0.040	L
Lead, in micrograms per liter	2017-2018	4	1	0 *	NC	0.052	05/14/18	NC	NC	0.74	0	18.9	0	0.020	NC
Manganese, in micrograms per liter	1995-1998	3	1	0 *	NC	29.0	04/07/95	NC	NC	1,139	0	2,062	0	--	NC
Mercury, unfiltered, in nanograms per liter	2012-2016	10	0	0.47	1.6	4.1	05/28/14	0.48	3.2	10.0	0	.	--	0.040	L
Mercury, unfiltered, in nanograms per liter	2017-2018	4	0	0.48	NC	3.1	05/14/18	NC	NC	10.0	0	.	--	0.040	NC
Zinc, in micrograms per liter	2009-2016	16	11	0 *	0 *	2.4	05/16/11	0 *	2.3	11.0	0	58.3	0	2.0	L
Zinc, in micrograms per liter	2017-2018	4	3	0 *	NC	2.2	09/26/18	NC	NC	11.0	0	58.3	0	2.0	NC
Organic carbon, in milligrams per liter	1998	2	0	1.0	NC	1.1	09/21/98	NC	NC	--	--	.	--	--	--
Suspended sediment, in milligrams per liter	1998	2	0	1	NC	3	03/26/98	NC	NC	--	--	--	--	--	--