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	1990-2012	255	0	0.61	5.7	140	06/02/03	2.7	25.2	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	12	0	2.2	8.0	73.2	05/28/14	2.3	22.7	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1994-2012	152	0	7.3	9.8	12.8	10/23/96	8.8	10.4	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	13	0	8.1	9.8	10.2	11/27/12	8.1	10.2	6.0	0	--	--	--	L
pH, in standard units	1994-2012	154	0	7.0	8.0	8.7	02/16/99	7.6	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	13	0	7.3	7.6	8.4	07/24/13	7.3	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	1990-2012	251	0	33.0	92.0	385	05/07/03	63.0	160	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	13	0	80.0	105	157	05/22/13	88.0	123	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	255	0	0.0	2.5	13.0	07/15/02	0.0	7.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	13	0	-0.0	3.5	10.5	07/21/14	0.0	9.0	--	--	--	--	--	--
Temperature, water, degrees Celsius June-September	1990-2012	100	0	2.0	6.5	13.0	07/15/02	3.6	8.8	21.7	0	--	--	--	L
Temperature, water, degrees Celsius June-September	2013-2014	5	0	5.5	NC	10.5	07/21/14	NC	NC	21.7	0	--	--	--	NC
Temperature, water, degrees Celsius October-May	1990-2012	155	0	0.0	0.6	6.0	05/06/02	0.0	3.0	13.0	0	--	--	--	L
Temperature, water, degrees Celsius October-May	2013-2014	8	0	-0.0	0.8	4.1	10/23/12	-0.0	3.9	13.0	0	--	--	--	L
Residue, in milligrams per liter	1995-1998	3	0	46.0	NC	165	03/26/98	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2012	72	0	18.1	32.7	214	05/03/06	23.5	44.7	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	5	0	22.2	NC	34.5	10/23/12	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	1995-2012	72	0	4.2	7.4	47.8	05/03/06	5.7	10.6	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	5	0	5.5	NC	8.4	05/22/13	NC	NC	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2012	72	0	1.8	3.5	23.0	05/03/06	2.3	4.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	5	0	2.1	NC	3.7	10/23/12	NC	NC	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2002	4	0	0.37	NC	0.81	03/26/98	NC	NC	--	--	.	--	0.11	--
Potassium, in milligrams per liter	2013	1	0	0.62	NC	0.62	09/10/13	NC	NC	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1995-2002	4	0	4.0	NC	34.8	03/26/98	NC	NC	--	--	.	--	0.090	--
Sodium, in milligrams per liter	2013	1	0	6.8	NC	6.8	09/10/13	NC	NC	--	--	.	--	0.060	--
Alkalinity, in milligrams per liter as calcium carbonate	2012	6	0	20.1	30.2	34.0	09/25/12	20.5	33.8	--	--	.	--	4.6	--
Alkalinity, in milligrams per liter as calcium carbonate	2013-2014	12	0	17.9	29.0	33.5	11/27/12	21.2	32.1	--	--	.	--	4.6	--
Chloride, in milligrams per liter	1994-2012	155	0	0.28	12.8	97.3	05/07/03	6.4	32.0	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	13	0	8.4	13.3	33.5	05/22/13	8.9	15.7	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	1995-2002	4	0	1.9	NC	2.6	04/07/95	NC	NC	250	0	.	--	0.11	NC
Sulfate, in milligrams per liter	2013	1	0	2.5	NC	2.5	09/10/13	NC	NC	250	0	.	--	0.090	NC

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
Ammonia plus organic nitrogen, in milligrams per liter as N	1995-1998	3	3	0 *	NC	0 *	04/07/95	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	1995-1998	3	3	0 *	NC	0 *	04/07/95	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter as N	1995-2012	147	102	0 *	0 *	0.035	07/16/98	0 *	0.005	2.48	0	6.34	0	0.010	L
Ammonia nitrogen, in milligrams per liter as N	2013-2014	13	13	0 *	0 *	0 *	10/23/12	0 *	0 *	3.92	0	11.8	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1995-2012	147	2	0 *	0.094	0.242	05/12/04	0.047	0.133	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	13	0	0.034	0.116	0.177	12/18/12	0.050	0.163	10.0	0	--	--	0.010	L
Nitrite nitrogen, in milligrams per liter as N	1995-2012	148	105	0 *	0 *	0.010	03/26/98	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter as N	2013-2014	13	13	0 *	0 *	0 *	10/23/12	0 *	0 *	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1995-2012	148	86	0 *	0 *	0.007	07/22/10	0 *	0.004	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	13	10	0 *	0 *	0.005	12/17/13	0 *	0.004	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-2010	130	61	0 *	0.001	0.015	09/15/05	0 *	0.003	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter as P	1995-2012	107	39	0 *	0.004	0.025	09/15/05	0 *	0.008	0.11	0	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	13	5	0 *	0.006	0.029	05/28/14	0 *	0.016	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2012	18	0	0.052	0.148	0.181	07/31/12	0.074	0.167	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2013-2014	13	0	0.077	0.165	0.335	09/24/13	0.092	0.288	--	--	--	--	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	2009-2012	8	3	0 *	0.74	4.9	10/13/10	0 *	4.2	3.5	1	4.7	1	0.80	H
Copper, in micrograms per liter	2013-2014	4	1	0 *	NC	2.7	10/30/13	NC	NC	3.5	0	4.7	0	0.80	NC
Iron, in micrograms per liter	1995-2012	5	0	45.6	NC	147	03/26/98	NC	NC	300	0	.	--	3.2	NC
Iron, in micrograms per liter	2013-2014	4	0	55.4	NC	100	05/22/13	NC	NC	300	0	.	--	4.0	NC
Lead, in micrograms per liter	2009-2012	8	2	0 *	0.039	0.086	05/16/11	0 *	0.076	0.74	0	19.0	0	0.025	L
Lead, in micrograms per liter	2013-2014	4	2	0 *	NC	0.081	05/28/14	NC	NC	0.74	0	19.0	0	0.040	NC
Manganese, in micrograms per liter	1995-1998	3	1	0 *	NC	29.0	04/07/95	NC	NC	1,140	0	2,064	0	--	NC
Mercury, unfiltered, in nanograms per liter	2012	2	0	0.65	NC	1.5	05/29/12	NC	NC	10.0	0	.	--	0.040	NC
Mercury, unfiltered, in nanograms per liter	2013-2014	4	0	0.79	NC	4.1	05/28/14	NC	NC	10.0	0	.	--	0.040	NC
Zinc, in micrograms per liter	2009-2012	8	6	0 *	0 *	2.4	05/16/11	0 *	2.2	11.0	0	58.4	0	1.4	L
Zinc, in micrograms per liter	2013-2014	4	2	0 *	NC	2.3	10/23/12	NC	NC	11.0	0	58.4	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	--	--	--	--	--	--