Table 6. Summary of measured constituents and properties for Fraser River at Tabernash, CO., station 09027100

[--, 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	409	0	6.9	25.6	843	07/05/11	16.8	64.4	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	24	0	12.5	36.0	671	05/29/14	19.2	137	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	397	0	7.1	9.9	15.4	10/23/96	8.8	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	24	0	8.8	10.1	13.0	10/30/13	9.0	11.6	6.0	0	--	--	--	L
pH, in standard units	1990-2012	404	0	6.9	8.2	10.1	07/17/06	7.6	9.0	6.5-9.0	58		--	--	L
pH, in standard units	2013-2014	24	0	7.5	7.9	9.8	10/30/13	7.6	9.2	6.5-9.0	5		--	--	H
pH, laboratory, in standard units	1995-2001	33	0	7.1	7.7	9.5	08/31/99	7.4	8.5	6.5-9.0	1		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2009	55	0	55.2	113	213	04/17/03	89.4	139	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2012	408	0	39.0	102	189	04/05/06	75.0	128	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	24	0	52.0	110	170	04/24/13	69.0	147	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	409	0	-0.0	3.9	21.5	07/12/04	0.0	13.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	24	0	-0.0	3.2	20.8	07/23/13	0.0	13.6	--	--	--	--	--	--
Temperature, water, degrees Celsius April-October	1990-2012	250	0	0.0	8.4	21.5	07/12/04	3.1	15.8	23.9	0	--	--	--	L
Temperature, water, degrees Celsius April-October	2013-2014	14	0	2.6	9.0	20.8	07/23/13	3.0	15.5	23.9	0	--	--	--	L
Temperature, water, degrees Celsius November-March	1991-2012	159	0	-0.0	0.0	4.6	11/03/98	0.0	0.4	13.0	0	--	--	--	L
Temperature, water, degrees Celsius November-March	2013-2014	10	0	-0.0	0.0	0.5	11/28/12	-0.0	0.3	13.0	0	--	--	--	L
Residue, in milligrams per liter	1995-1998	3	0	65.0	NC	87.0	03/26/98	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2012	108	0	19.4	38.0	51.4	04/05/06	29.9	45.0	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	8	0	18.3	33.0	45.7	03/26/14	20.7	44.6	--	--	.	--	--	--
Residue (total), in milligrams per liter	1995-2010	172	109	0 *	0 *	38.0	10/10/07	0 *	8.0	--	--	.	--	15.0	--
Calcium, in milligrams per liter	1995-2012	108	0	5.5	10.7	15.1	10/17/02	8.6	12.7	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	8	0	5.3	9.3	12.6	03/26/14	6.1	12.4	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2012	108	0	1.3	2.6	3.8	04/05/06	2.1	3.3	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	8	0	1.3	2.4	3.5	03/26/14	1.3	3.4	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2012	5	0	1.1	NC	3.2	03/26/98	NC	NC	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1995-2012	5	0	4.7	NC	8.3	03/26/98	NC	NC	--	--	.	--	0.060	--
Alkalinity, in milligrams per liter as calcium carbonate	2012	11	0	36.7	43.0	46.0	02/28/12	38.9	45.4	--	--	.	--	4.6	--
Alkalinity, in milligrams per liter as calcium carbonate	2013-2014	24	0	19.2	40.3	51.1	11/28/12	27.8	47.1	--	--	.	--	4.6	--
Chloride, in milligrams per liter	1995-2012	210	0	1.1	7.1	27.7	04/05/06	4.0	11.0	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	24	0	1.9	6.8	19.3	04/24/13	3.1	11.6	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-1998	3	0	0.20	NC	0.27	09/21/98	NC	NC	2.0	0	.	--	--	NC
Silica, in milligrams per liter	1995-2012	5	0	6.7	NC	11.9	03/26/98	NC	NC	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	1995-2012	5	0	2.7	NC	4.1	03/26/98	NC	NC	250	0	.	--	0.090	NC
Ammonia plus organic nitrogen, in milligrams per liter as N	1995-1998	3	0	0.195	NC	1.22	03/26/98	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	1995-1998	3	0	0.265	NC	1.28	03/26/98	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter as N	1993-2012	237	54	0 *	0.018	1.20	04/07/94	0 *	0.304	1.99	0	5.01	0	0.010	L

Table 6. Summary of measured constituents and properties for Fraser River at Tabernash, CO., station 09027100

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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 as N	2013-2014	24	13	0 *	0 *	0.033	01/21/14	0 *	0.025	2.54	0	6.89	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1993-2012	237	3	0 *	0.262	1.68	03/16/04	0.041	0.913	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	24	3	0 *	0.187	0.874	03/27/13	0.018	0.747	10.0	0	--	--	0.010	L
Nitrite nitrogen, in milligrams per liter as N	1993-2012	237	13	0 *	0.005	0.034	08/05/03	0.002	0.010	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter as N	2013-2014	24	7	0 *	0.002	0.009	01/21/14	0 *	0.006	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1995-2012	210	0	0.005	0.061	0.283	02/23/06	0.023	0.127	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	24	0	0.005	0.038	0.152	02/20/13	0.017	0.107	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1995-2010	175	0	0.007	0.077	0.305	02/23/06	0.035	0.140	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter as P	1995-2012	170	0	0.020	0.114	0.345	03/21/06	0.070	0.181	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	24	0	0.016	0.079	0.190	02/20/13	0.041	0.159	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2010-2012	36	0	0.165	0.477	1.38	01/23/12	0.305	1.23	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2013-2014	24	0	0.170	0.461	1.06	03/26/14	0.194	0.963	--	--	--	--	0.050	--
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	2002	1	0	40	NC	40	09/12/02	--	NC**	126	0	--	--	1	NC
Biomass, periphyton, ash free dry mass, in grams per square meter	1998	2	0	6.10	NC	29.1	03/26/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, ash weight, in grams per square meter	1998	2	0	160	NC	179	09/21/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, dry weight, in grams per square meter	1998	2	0	186	NC	189	03/26/98	NC	NC	--	--	--	--	--	--
Chlorophyll a, periphyton, in milligrams per square meter	1998	2	0	9.20	NC	35.1	03/26/98	NC	NC	--	--	--	--	--	--
Aluminum, in micrograms per liter	2012	1	0	20.3	NC	20.3	08/02/12	NC	NC	139	0	973	0	2.2	NC
Barium, in micrograms per liter	2012	1	0	23.2	NC	23.2	08/02/12	NC	NC	1,000	0	.	--	0.070	NC
Copper, in micrograms per liter	2009-2012	16	0	0.80	1.6	4.5	05/17/11	1.0	4.1	4.1	2	5.7	0	0.80	M
Copper, in micrograms per liter	2013-2014	8	1	0 *	1.4	4.6	03/27/13	0.41	3.8	4.1	1	5.7	0	0.80	M
Iron, in micrograms per liter	1995-2012	7	0	160	205	617	08/02/12	164	552	300	1	.	--	3.2	H
Iron, in micrograms per liter	2013-2014	8	0	99.0	173	423	07/23/13	108	390	300	3	.	--	4.0	H
Lead, in micrograms per liter	2009-2012	16	0	0.028	0.065	0.22	05/17/11	0.039	0.14	0.91	0	23.5	0	0.025	L
Lead, in micrograms per liter	2013-2014	8	3	0 *	0.047	0.13	05/23/13	0 *	0.13	0.91	0	23.5	0	0.040	L
Manganese, in micrograms per liter	1995-2012	4	0	13.5	NC	75.4	03/26/98	NC	NC	1,215	0	2,199	0	0.13	NC
Mercury, unfiltered, in nanograms per liter	2012	2	0	1.6	NC	1.8	09/26/12	NC	NC	10.0	0	.	--	0.040	NC
Mercury, unfiltered, in nanograms per liter	2013-2014	4	0	1.2	NC	5.7	05/29/14	NC	NC	10.0	0	.	--	0.040	NC
Strontium, in micrograms per liter	2012	1	0	69.3	NC	69.3	08/02/12	NC	NC	--	--	--	--	0.20	--
Zinc, in micrograms per liter	2009-2012	16	5	0 *	1.7	6.7	03/16/09	0 *	3.2	16.5	0	69.4	0	1.4	L
Zinc, in micrograms per liter	2013-2014	8	3	0 *	1.5	5.9	03/27/13	0 *	4.7	16.5	0	69.4	0	2.0	L
Arsenic, in micrograms per liter	2012	1	0	0.33	NC	0.33	08/02/12	NC	NC	--	--	340	0	0.030	--
Selenium, in micrograms per liter	2012	1	0	0.077	NC	0.077	08/02/12	NC	NC	4.6	0	18.4	0	0.030	NC
Organic carbon, in milligrams per liter	1998	2	0	2.4	NC	5.9	03/26/98	NC	NC	--	--	.	--	--	--
Uranium (natural), in micrograms per liter	2012	1	0	2.0	NC	2.0	08/02/12	NC	NC	30.0	0	.	--	0.0040	NC
Suspended sediment, in milligrams per liter	1998	2	0	5	NC	17	03/26/98	NC	NC	--	--	--	--	--	--