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	1990-2016	457	0	6.9	26.1	843	07/05/11	17.0	68.0	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2017-2018	24	0	11.6	28.1	447	06/20/17	19.0	76.9	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2016	445	0	7.1	10.0	15.4	10/23/96	8.8	11.2	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2017-2018	24	0	7.8	10.2	12.1	10/24/17	8.7	11.7	6.0	0	--	--	--	L
pH, in standard units	1990-2016	452	0	6.9	8.1	10.1	07/17/06	7.6	9.0	6.5-9.0	67		--	--	H
pH, in standard units	2017-2018	24	0	7.4	8.2	9.5	10/25/16	7.7	9.4	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	1990-2016	456	0	39.0	103	189	04/05/06	75.0	129	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2017-2018	24	0	48.0	118	158	03/19/18	91.3	139	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2016	457	0	0.0	4.0	21.5	07/12/04	0.0	13.0	--	--	--	--	--	--
Temperature, degrees Celsius	2017-2018	24	0	0.0	4.9	19.7	07/25/17	0.0	16.9	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1990-2016	278	0	0.0	8.5	21.5	07/12/04	3.3	15.4	23.9	0	--	--	--	L
Temperature, degrees Celsius April-October	2017-2018	14	0	2.7	9.2	19.7	07/25/17	3.5	18.4	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1991-2016	179	0	0.0	0.0	4.6	11/03/98	0.0	0.4	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2017-2018	10	0	0.0	0.1	5.3	03/21/17	0.0	2.6	13.0	0	--	--	--	L
Residue, in milligrams per liter	1995-1998	3	0	65.0	NC	87.0	03/26/98	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-1998	3	0	55.5	NC	79.6	03/26/98	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2016	124	0	18.3	37.9	51.4	04/05/06	28.2	45.5	--	--	.	--	--	--
Hardness, in milligrams per liter	2017-2018	8	0	28.6	38.6	48.4	03/19/18	29.6	47.9	--	--	.	--	--	--
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	1995-2016	124	0	5.3	10.7	15.1	10/17/02	8.1	12.8	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2017-2018	8	0	8.3	11.4	13.6	03/19/18	8.5	13.5	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2016	124	0	1.3	2.6	3.8	04/05/06	2.0	3.3	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2017-2018	8	0	1.9	2.4	3.5	03/19/18	2.0	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	2012-2016	58	0	19.2	40.7	51.1	11/28/12	27.9	46.0	--	--	.	--	4.0	--
Chloride, in milligrams per liter	1995-2016	258	0	1.1	7.1	27.7	04/05/06	4.0	11.1	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2017-2018	24	0	1.5	7.5	18.2	03/21/17	6.3	13.6	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	1995-1998	3	0	0.195	NC	1.22	03/26/98	NC	NC	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	1995-1998	3	0	0.265	NC	1.28	03/26/98	NC	NC	--	--	--	--	--	--
Ammonia nitrogen, in milligrams per liter	1993-2016	285	77	0 *	0.016	1.20	04/07/94	0 *	0.204	2.10	0	5.41	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	2017-2018	24	9	0 *	0.011	0.095	12/21/16	0 *	0.037	1.90	0	4.84	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1993-2016	285	9	0 *	0.249	1.68	03/16/04	0.039	0.853	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2017-2018	24	2	0 *	0.120	0.952	03/19/18	0.024	0.867	--	--	10.0	0	0.010	--
Nitrite nitrogen, in milligrams per liter	1993-2016	285	26	0 *	0.005	0.034	08/05/03	0.002	0.010	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter	2017-2018	24	3	0 *	0.002	0.012	02/22/17	0.0009	0.006	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter	1995-2016	258	0	0.004	0.057	0.283	02/23/06	0.021	0.124	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2017-2018	24	0	0.005	0.060	0.145	10/25/16	0.032	0.110	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	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	1995-2016	218	0	0.016	0.105	0.345	03/21/06	0.055	0.175	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2017-2018	24	0	0.019	0.098	0.170	10/25/16	0.073	0.149	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2010-2016	84	0	0.107	0.473	1.38	01/23/12	0.212	1.06	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2017-2018	24	0	0.178	0.396	1.17	02/13/18	0.226	1.06	--	--	--	--	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	--	--	.	--	2.2	--
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	2009-2016	32	1	0 *	1.5	5.2	03/22/16	0.98	3.9	4.1	4	5.7	0	0.80	M
Copper, in micrograms per liter	2017-2018	8	0	0.62	1.1	2.0	05/14/18	0.69	1.8	4.1	0	5.7	0	0.40	L
Iron, in micrograms per liter	1995-2016	23	0	99.0	195	617	08/02/12	136	319	300	4	.	--	5.0	H
Iron, in micrograms per liter	2017-2018	8	0	179	243	350	05/14/18	189	332	300	1	.	--	10.0	H
Lead, in micrograms per liter	2009-2016	32	6	0 *	0.058	0.22	05/17/11	0 *	0.11	0.93	0	23.8	0	0.040	L
Lead, in micrograms per liter	2017-2018	8	0	0.034	0.060	0.15	05/14/18	0.037	0.13	0.93	0	23.8	0	0.020	L
Manganese, in micrograms per liter	1995-2012	4	0	13.5	NC	75.4	03/26/98	NC	NC	1,220	0	2,208	0	0.13	NC
Mercury, unfiltered, in nanograms per liter	2012-2016	10	0	0.96	1.7	5.7	05/29/14	0.97	4.5	10.0	0	.	--	0.040	L
Mercury, unfiltered, in nanograms per liter	2017-2018	4	0	0.78	NC	4.2	05/14/18	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	2009-2016	32	14	0 *	1.5	6.7	03/16/09	0 *	2.9	17.0	0	70.2	0	2.0	L
Zinc, in micrograms per liter	2017-2018	8	4	0 *	1.0	3.1	03/19/18	0 *	2.9	17.0	0	70.2	0	2.0	L
Arsenic, in micrograms per liter	2012	1	0	0.33	NC	0.33	08/02/12	NC	NC	150	0	340	0	0.030	NC
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	--	--	--	--	--	--