Table 10. Summary of measured constituents and properties for Ranch Creek near Fraser, CO., station 09032000

[--, 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	245	0	1.2	4.0	284	06/06/97	2.4	13.8	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2017-2018	12	0	1.7	3.6	33.9	05/15/18	1.9	17.1	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1997-2016	132	0	7.5	10.2	12.1	01/07/03	8.6	10.8	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2017-2018	12	0	8.2	9.8	10.9	11/15/17	8.5	10.8	6.0	0	--	--	--	L
pH, in standard units	1997-2016	130	0	7.3	8.0	8.8	05/10/07	7.6	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2017-2018	12	0	7.3	7.6	7.9	07/27/17	7.5	7.8	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	2003-2010	11	0	30.0	53.2	65.2	03/24/03	38.2	64.5	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2016	246	0	22.0	49.5	95.0	03/27/92	40.0	58.0	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2017-2018	12	0	41.0	59.5	65.0	03/22/17	41.0	64.1	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2016	244	0	0.0	2.5	13.5	07/08/03	0.0	9.8	--	--	--	--	--	--
Temperature, degrees Celsius	2017-2018	12	0	0.0	3.5	12.3	07/31/18	0.0	9.5	--	--	--	--	--	--
Temperature, degrees Celsius June-September	1990-2016	89	0	2.0	9.0	13.5	07/08/03	5.0	11.5	21.7	0	--	--	--	L
Temperature, degrees Celsius June-September	2017-2018	4	0	5.7	NC	12.3	07/31/18	NC	NC	21.7	0	--	--	--	NC
Temperature, degrees Celsius October-May	1990-2016	155	0	0.0	0.5	9.7	05/29/12	0.0	3.9	13.0	0	--	--	--	L
Temperature, degrees Celsius October-May	2017-2018	8	0	0.0	0.2	7.4	05/24/17	0.0	6.7	13.0	0	--	--	--	L
Hardness, in milligrams per liter	2013	1	0	20.7	NC	20.7	09/10/13	NC	NC	--	--	.	--	--	--
Residue (total), in milligrams per liter	1997-2009	87	74	0 *	0 *	6.0	02/27/97	0 *	0.80	--	--	.	--	15.0	--
Calcium, in milligrams per liter	2013	1	0	6.6	NC	6.6	09/10/13	NC	NC	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2013	1	0	1.0	NC	1.0	09/10/13	NC	NC	--	--	.	--	0.011	--
Potassium, in milligrams per liter	2013	1	0	0.77	NC	0.77	09/10/13	NC	NC	--	--	.	--	0.030	--
Sodium, in milligrams per liter	2013	1	0	3.1	NC	3.1	09/10/13	NC	NC	--	--	.	--	0.060	--
Chloride, in milligrams per liter	1997-2016	131	3	0 *	0.29	1.5	01/15/98	0.18	0.44	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2017-2018	12	0	0.17	0.31	0.50	03/22/17	0.22	0.46	250	0	.	--	0.020	L
Sulfate, in milligrams per liter	2013	1	0	2.0	NC	2.0	09/10/13	NC	NC	250	0	.	--	0.090	NC
Ammonia nitrogen, in milligrams per liter	1997-2016	131	103	0 *	0 *	0.151	06/24/98	0 *	0.005	2.75	0	7.19	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2017-2018	12	12	0 *	0 *	0 *	11/30/16	0 *	0 *	3.87	0	11.2	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1997-2016	131	15	0 *	0.042	0.124	01/12/05	0.009	0.094	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2017-2018	12	1	0 *	0.050	0.093	01/16/18	0.012	0.092	--	--	10.0	0	0.010	--
Nitrite nitrogen, in milligrams per liter	1997-2016	131	95	0 *	0 *	0.010	07/17/97	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter	2017-2018	12	12	0 *	0 *	0 *	11/30/16	0 *	0 *	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter	1997-2016	130	39	0 *	0.004	0.165	06/24/98	0 *	0.007	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2017-2018	12	2	0 *	0.006	0.009	05/15/18	0 *	0.008	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1997-2009	87	12	0 *	0.004	0.015	05/06/09	0.002	0.007	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter	1999-2016	109	11	0 *	0.008	0.096	05/11/05	0.005	0.021	0.11	0	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter	2017-2018	12	0	0.004	0.008	0.045	07/27/17	0.006	0.024	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2016	43	2	0 *	0.122	0.364	05/16/11	0.077	0.193	--	--	--	--	0.050	--

Table 10. Summary of measured constituents and properties for Ranch Creek near Fraser, CO., station 09032000

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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
Total nitrogen, unfiltered, in milligrams per liter	2017-2018	11	0	0.082	0.107	0.232	07/27/17	0.083	0.218	--	--	--	--	0.050	--
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	2003-2004	17	12	1	1	12	06/22/04	--	1 **	126	0	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1997-2001	37	9	0 *	1	47	08/04/97	0 *	6	--	--	--	--	--	--
Mercury, unfiltered, in nanograms per liter	2012-2016	10	0	0.38	1.5	5.1	05/29/14	0.48	4.2	10.0	0	.	--	0.040	L
Mercury, unfiltered, in nanograms per liter	2017-2018	4	0	0.66	NC	3.8	05/15/18	NC	NC	10.0	0	.	--	0.040	NC