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	1990-2012	221	0	1.2	4.0	284	06/06/97	2.5	13.1	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	12	0	1.9	4.3	192	05/29/14	1.9	31.6	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1997-2012	107	0	7.5	10.2	12.1	01/07/03	8.6	10.8	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	13	0	8.0	9.5	10.7	11/27/12	8.4	10.6	6.0	0	--	--	--	L
pH, in standard units	1997-2012	105	0	7.3	8.1	8.8	05/10/07	7.7	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	13	0	7.3	7.6	7.8	03/27/13	7.4	7.7	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	1990-2012	221	0	22.0	49.0	95.0	03/27/92	39.3	58.0	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	13	0	31.0	54.0	65.0	03/27/13	40.1	61.9	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	219	0	0.0	2.4	13.5	07/08/03	0.0	9.7	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	13	0	0.0	4.0	12.1	07/22/14	0.0	11.4	--	--	--	--	--	--
Temperature, water, degrees Celsius June-September	1990-2012	80	0	2.0	9.0	13.5	07/08/03	5.1	11.5	21.7	0	--	--	--	L
Temperature, water, degrees Celsius June-September	2013-2014	5	0	4.0	NC	12.1	07/22/14	NC	NC	21.7	0	--	--	--	NC
Temperature, water, degrees Celsius October-May	1990-2012	139	0	0.0	0.5	9.7	05/29/12	0.0	3.6	13.0	0	--	--	--	L
Temperature, water, degrees Celsius October-May	2013-2014	8	0	0.0	0.4	5.8	05/29/14	0.0	5.4	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	1997-2012	106	3	0 *	0.29	1.5	01/15/98	0.18	0.50	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	13	0	0.18	0.31	0.55	05/21/13	0.20	0.36	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 as N	1997-2012	106	78	0 *	0 *	0.151	06/24/98	0 *	0.006	2.44	0	6.05	0	0.010	L
Ammonia nitrogen, in milligrams per liter as N	2013-2014	13	13	0 *	0 *	0 *	11/27/12	0 *	0 *	4.14	0	12.4	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1997-2012	106	11	0 *	0.038	0.124	01/12/05	0.009	0.092	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	13	3	0 *	0.074	0.107	11/27/12	0 *	0.105	10.0	0	--	--	0.010	L
Nitrite nitrogen, in milligrams per liter as N	1997-2012	106	72	0 *	0 *	0.010	07/17/97	0 *	0.001	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter as N	2013-2014	13	13	0 *	0 *	0 *	11/27/12	0 *	0 *	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1997-2012	105	33	0 *	0.003	0.165	06/24/98	0 *	0.007	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	13	4	0 *	0.005	0.007	05/21/13	0 *	0.006	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1997-2009	87	12	0 *	0.004	0.015	05/06/09	0.002	0.007	--	--	--	--	0.0060	--
Phosphorus, unfiltered, in milligrams per liter as P	1999-2012	84	10	0 *	0.008	0.096	05/11/05	0.004	0.018	0.11	0	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	13	1	0 *	0.010	0.035	05/29/14	0.005	0.024	0.11	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2010-2012	18	1	0 *	0.104	0.364	05/16/11	0.068	0.240	--	--	--	--	0.050	--

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
Total nitrogen, unfiltered, in milligrams per liter	2013-2014	13	0	0.074	0.135	0.277	09/26/13	0.082	0.261	--	--	--	--	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	2	0	1.0	NC	1.5	09/26/12	NC	NC	10.0	0	.	--	0.040	NC
Mercury, unfiltered, in nanograms per liter	2013-2014	4	0	0.74	NC	5.1	05/29/14	NC	NC	10.0	0	.	--	0.040	NC