Table 8. Summary of measured constituents and properties for Yampa River at Milner, CO., station 402840107004200

[--, 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	2005-2012	11	0	86.5	369	6,570	05/24/11	179	2,602	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	8	0	105	283	4,166	06/18/14	121	3,873	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2010-2012	9	0	8.3	10.6	12.5	09/14/10	8.5	12.4	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	8	0	5.8	9.6	12.5	03/26/14	6.7	12.0	6.0	1	--	--	--	L
pH, in standard units	2010-2012	10	0	7.8	8.3	9.0	09/14/10	7.9	9.0	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	8	0	7.4	8.0	8.5	03/26/14	7.4	8.5	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	2010-2012	4	0	119	NC	281	02/16/11	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	2005-2012	12	0	122	212	345	09/25/12	151	319	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	8	0	51.0	262	320	02/08/13	61.9	318	--	--	.	--	--	--
Temperature, water, degrees Celsius	2005-2012	11	0	0.0	8.6	20.7	06/26/12	3.4	18.3	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	8	0	0.0	7.4	18.0	08/22/13	0.0	16.8	--	--	--	--	--	--
Temperature, water, degrees Celsius April-October	2005-2012	8	0	4.3	14.4	20.7	06/26/12	4.9	19.7	23.9	0	--	--	--	L
Temperature, water, degrees Celsius April-October	2013-2014	5	0	7.2	NC	18.0	08/22/13	NC	NC	23.9	0	--	--	--	NC
Temperature, water, degrees Celsius November-March	2011-2012	3	0	0.0	NC	7.1	03/29/12	NC	NC	13.0	0	--	--	--	NC
Temperature, water, degrees Celsius November-March	2013-2014	3	0	0.0	NC	3.5	03/26/14	NC	NC	13.0	0	--	--	--	NC
Dissolved solids, sum of constituents, in milligrams per liter	2010-2012	10	0	74.8	124	197	09/25/12	81.1	187	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2013-2014	8	0	31.3	154	194	02/08/13	37.8	190	--	--	.	--	--	--
Hardness, in milligrams per liter	2010-2012	10	0	54.1	87.8	133	09/14/10	57.1	126	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	8	0	19.9	98.5	134	03/26/14	24.5	127	--	--	.	--	--	--
Calcium, in milligrams per liter	2010-2012	10	0	15.0	23.5	34.2	09/14/10	16.2	33.6	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	8	0	5.7	27.1	36.2	03/26/14	7.0	34.3	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2010-2012	10	0	4.0	7.1	11.6	09/14/10	4.1	10.2	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	8	0	1.4	7.7	10.5	03/26/14	1.7	10.0	--	--	.	--	0.011	--
Potassium, in milligrams per liter	2010-2012	10	0	1.2	1.7	3.2	09/25/12	1.2	2.5	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2013-2014	8	0	0.56	1.9	2.7	08/22/13	0.66	2.6	--	--	.	--	0.030	--
Sodium, in milligrams per liter	2010-2012	10	0	3.7	10.3	28.8	09/25/12	5.7	21.1	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2013-2014	8	0	1.9	14.0	22.9	02/08/13	2.5	22.5	--	--	.	--	0.060	--
Alkalinity, Gran titration, in milligrams per liter	2013	1	0	27.0	NC	27.0	05/21/13	NC	NC	--	--	--	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2010-2012	10	0	45.0	73.7	122	09/25/12	49.3	120	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2013-2014	7	0	18.5	97.2	113	02/08/13	30.7	112	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2010-2012	10	0	54.5	88.9	138	09/14/10	58.1	137	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2013-2014	7	0	22.5	117	137	02/08/13	37.1	136	--	--	.	--	--	--
Bromide, in micrograms per liter	2012	3	0	0.014	NC	0.051	09/25/12	NC	NC	--	--	--	--	0.010	--
Bromide, in micrograms per liter	2013-2014	8	5	0 *	0 *	0.035	02/08/13	0 *	0.034	--	--	--	--	0.030	--
Carbonate, in milligrams per liter	2010-2012	10	0	0.10	0.60	5.8	09/25/12	0.17	4.4	--	--	.	--	--	--
Carbonate, in milligrams per liter	2013-2014	6	0	0.30	0.40	0.90	03/26/14	0.30	0.89	--	--	.	--	--	--

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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
Chloride, in milligrams per liter	2010-2012	10	0	1.4	5.6	17.6	09/25/12	2.9	12.5	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	8	0	0.82	8.5	15.6	02/08/13	1.1	14.8	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	2010-2012	10	0	0.073	0.17	0.23	09/25/12	0.12	0.23	2.0	0	.	--	0.040	L
Fluoride, in milligrams per liter	2013-2014	8	0	0.083	0.18	0.24	02/08/13	0.086	0.23	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	2010-2012	10	0	3.1	7.9	13.2	02/16/11	3.8	12.1	--	--	.	--	0.018	--
Silica, in milligrams per liter	2013-2014	8	0	4.6	8.2	12.1	02/08/13	4.9	11.4	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	2010-2012	10	0	11.4	22.9	31.3	09/14/10	11.5	29.4	250	0	.	--	0.090	L
Sulfate, in milligrams per liter	2013-2014	8	0	3.3	23.4	43.5	03/26/14	4.6	39.1	250	0	.	--	0.020	L
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2010-2012	10	0	0.237	0.375	0.748	04/19/10	0.258	0.563	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2013-2014	8	0	0.239	0.345	0.441	03/26/14	0.241	0.428	--	--	--	--	0.070	--
Ammonia nitrogen, in milligrams per liter	2010-2012	10	9	0 *	0 *	0.017	04/19/10	0 *	0.006	1.58	0	3.72	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2013-2014	8	5	0 *	0 *	0.053	02/08/13	0 *	0.045	2.77	0	7.77	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	2010-2012	10	3	0 *	0.036	0.330	02/16/11	0 *	0.290	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter	2013-2014	8	2	0 *	0.085	0.389	02/08/13	0 *	0.310	10.0	0	--	--	0.010	L
Nitrite nitrogen, in milligrams per liter	2010-2012	10	3	0 *	0.002	0.005	02/16/11	0 *	0.004	0.05	0	--	--	0.0010	L
Nitrite nitrogen, in milligrams per liter	2013-2014	8	4	0 *	0.002	0.010	02/08/13	0 *	0.009	0.05	0	--	--	0.0010	L
Organic nitrogen, unfiltered, in milligrams per liter	2010-2012	10	9	0 *	0 *	0.731	04/19/10	0 *	0.256	--	--	--	--	--	--
Organic nitrogen, unfiltered, in milligrams per liter	2013-2014	8	5	0 *	0 *	0.412	03/26/14	0 *	0.353	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	2010-2012	10	0	0.010	0.015	0.052	09/25/12	0.010	0.046	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2013-2014	8	0	0.005	0.023	0.102	02/08/13	0.005	0.078	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2010-2012	10	0	0.025	0.052	0.159	04/19/10	0.027	0.116	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2013-2014	8	0	0.029	0.049	0.128	02/08/13	0.033	0.108	--	--	--	--	0.0040	--
Escherichia coli, in colonies per 100 milliliters	2010-2012	10	0	2	36	210	10/25/11	--	22 **	126	1	--	--	1	L
Escherichia coli, in colonies per 100 milliliters	2013-2014	8	0	1	17	260	09/23/14	--	20 **	126	1	--	--	1	L
Cadmium, in micrograms per liter	2010-2012	10	7	0 *	0 *	0.021	04/19/10	0 *	0.018	0.40	0	1.6	0	0.016	L
Cadmium, in micrograms per liter	2013-2014	8	8	0 *	0 *	0 *	10/24/12	0 *	0 *	0.40	0	1.6	0	0.030	L
Copper, in micrograms per liter	2010-2012	10	4	0 *	0.62	2.1	06/26/12	0 *	1.5	8.4	0	12.5	0	0.80	L
Copper, in micrograms per liter	2013-2014	8	4	0 *	0.46	3.0	09/23/14	0 *	2.4	8.4	0	12.5	0	0.80	L
Iron, unfiltered, in micrograms per liter	2010-2012	10	0	86.9	192	1,714	04/19/10	112	1,548	1,000	2	.	--	4.6	L
Iron, unfiltered, in micrograms per liter	2013-2014	8	0	105	201	611	05/21/13	122	581	1,000	0	.	--	4.6	L
Lead, in micrograms per liter	2010-2012	10	1	0 *	0.027	0.12	05/24/11	0.010	0.10	2.3	0	59.4	0	0.025	L
Lead, in micrograms per liter	2013-2014	8	4	0 *	0.014	0.098	05/21/13	0 *	0.082	2.3	0	59.4	0	0.040	L
Manganese, in micrograms per liter	2010-2012	10	0	9.4	15.4	38.3	03/29/12	10.2	31.1	50.0	0	.	--	0.13	M
Manganese, in micrograms per liter	2013-2014	8	0	10.3	20.4	63.8	03/26/14	10.4	50.7	50.0	1	.	--	0.40	H
Manganese, unfiltered, in micrograms per liter	2010-2012	10	0	16.2	29.3	79.6	04/19/10	16.4	71.9	1,608	0	2,910	0	0.20	L
Manganese, unfiltered, in micrograms per liter	2013-2014	8	0	18.8	31.6	77.0	03/26/14	19.2	62.0	1,608	0	2,910	0	0.20	L

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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
Silver, in micrograms per liter	2010-2012	10	10	0 *	0 *	0 *	04/19/10	0 *	0 *	0.066	0	1.8	0	0.0050	L
Silver, in micrograms per liter	2013-2014	8	8	0 *	0 *	0 *	10/24/12	0 *	0 *	0.066	0	1.8	0	0.020	L
Zinc, in micrograms per liter	2010-2012	10	10	0 *	0 *	0 *	04/19/10	0 *	0 *	100	0	149	0	1.4	L
Zinc, in micrograms per liter	2013-2014	8	7	0 *	0 *	2.1	02/08/13	0 *	1.4	100	0	149	0	2.0	L
Selenium, in micrograms per liter	2010-2012	10	0	0.12	0.18	0.70	04/19/10	0.13	0.46	4.6	0	18.4	0	0.030	L
Selenium, in micrograms per liter	2013-2014	8	0	0.076	0.15	0.71	03/26/14	0.092	0.53	4.6	0	18.4	0	0.050	L
Suspended sediment, in milligrams per liter	2010-2012	10	0	1	3	88	05/24/11	1	80	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2013-2014	8	0	1	4	22	05/21/13	1	20	--	--	--	--	1.0	--