Table 4. Summary of measured constituents and properties for Yampa River below Stagecoach Reservoir, CO., station 09237500

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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
Instantaneous discharge, in cubic feet per second	1990-2012	186	0	16.4	74.5	466	06/12/97	42.3	106	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	5	0	32.0	NC	111	05/22/13	NC	NC	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	29	0	1.2	8.2	10.0	03/13/00	5.1	9.0	6.0	6	--	--	--	H
Dissolved oxygen, in milligrams per liter	2013-2014	5	0	7.5	NC	10.7	12/12/13	NC	NC	6.0	0	--	--	--	NC
pH, in standard units	1990-2012	31	0	7.5	8.1	8.8	09/26/12	7.8	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2013-2014	5	0	7.8	NC	8.8	05/22/13	NC	NC	6.5-9.0	0		--	--	NC
pH, laboratory, in standard units	1990-2000	12	0	7.8	8.1	8.4	10/08/91	7.8	8.4	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2000	12	0	401	468	523	10/31/89	418	489	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	1990-2012	181	0	355	449	555	12/13/89	403	480	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	5	0	393	NC	457	12/12/13	NC	NC	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2012	183	0	2.0	8.8	19.5	08/30/94	3.5	15.2	--	--	--	--	--	--
Temperature, water, degrees Celsius	2013-2014	5	0	2.6	NC	13.9	05/22/13	NC	NC	--	--	--	--	--	--
Temperature, water, degrees Celsius June-September	1990-2012	74	0	6.2	14.5	19.5	08/30/94	9.9	17.5	21.7	0	--	--	--	L
Temperature, water, degrees Celsius June-September	2013	1	0	9.8	NC	9.8	08/21/13	NC	NC	21.7	0	--	--	--	NC
Temperature, water, degrees Celsius October-May	1990-2012	109	0	2.0	5.0	14.5	10/03/89	3.0	10.5	13.0	4	--	--	--	L
Temperature, water, degrees Celsius October-May	2013-2014	4	0	2.6	NC	13.9	05/22/13	NC	NC	13.0	1	--	--	--	NC
Turbidity, water, unfiltered, in nephelometric turbidity units	1990-1992	17	0	0.600	1.10	2.70	10/08/91	0.870	1.89	--	--	--	--	--	--
Biochemical oxygen demand, unfiltered, 20 days at 20 degrees Celsius, in milligrams per liter	1990-1992	21	0	2.40	4.10	7.10	08/29/90	3.30	6.17	--	--	--	--	--	--
Biochemical oxygen demand, unfiltered, 5 days at 20 degrees Celsius, in milligrams per liter	1990-1993	22	0	0.70	1.4	3.3	08/29/90	1.1	2.3	--	--	.	--	--	--
Chemical oxygen demand, high level, unfiltered, in milligrams per liter	2012	1	0	11.0	NC	11.0	03/28/12	NC	NC	--	--	--	--	10.0	--
Residue, in milligrams per liter	2012	3	0	226	NC	282	09/26/12	NC	NC	--	--	.	--	20.0	--
Residue, in milligrams per liter	2013-2014	5	0	255	NC	289	12/12/13	NC	NC	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1990-2000	12	0	237	283	308	10/31/89	246	305	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2012	15	0	184	221	236	03/08/91	188	229	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	5	0	196	NC	235	12/12/13	NC	NC	--	--	.	--	--	--
Residue (total), in milligrams per liter	1990-2012	24	5	0 *	4.0	118	04/16/92	0 *	17.8	--	--	.	--	15.0	--
Calcium, in milligrams per liter	1990-2012	15	0	47.9	56.0	60.0	03/08/91	48.8	58.6	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	5	0	50.1	NC	59.9	12/12/13	NC	NC	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2012	15	0	15.5	19.0	21.0	10/22/90	15.9	20.6	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	5	0	17.4	NC	20.7	12/12/13	NC	NC	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2000	12	0	2.3	3.0	3.3	10/22/90	2.4	3.2	--	--	.	--	--	--
Sodium, in milligrams per liter	1990-2000	12	0	9.6	12.0	14.0	10/31/89	10.3	13.1	--	--	.	--	--	--
Acid neutralizing capacity, in milligrams per liter	1990-1993	10	0	179	197	201	10/31/89	183	200	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2000	2	0	173	NC	179	08/19/99	NC	NC	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	1999-2012	5	0	150	NC	175	09/26/12	NC	NC	--	--	.	--	--	--

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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
Alkalinity, inflection-point titration, in milligrams per liter	2013-2014	5	0	156	NC	190	12/12/13	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2012	3	0	181	NC	202	09/26/12	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2013-2014	5	0	179	NC	227	12/12/13	NC	NC	--	--	.	--	--	--
Carbonate, in milligrams per liter	2012	3	0	1.1	NC	5.4	09/26/12	NC	NC	--	--	.	--	--	--
Carbonate, in milligrams per liter	2013-2014	5	0	0.90	NC	5.3	05/22/13	NC	NC	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2012	15	0	1.7	2.9	14.0	06/09/91	2.0	5.1	250	0	.	--	0.060	L
Chloride, in milligrams per liter	2013-2014	5	0	2.6	NC	3.2	05/22/13	NC	NC	250	0	.	--	0.020	NC
Fluoride, in milligrams per liter	1990-2000	12	1	0 *	0.17	0.30	08/26/92	0.095	0.20	2.0	0	.	--	--	L
Silica, in milligrams per liter	1990-2000	12	0	6.9	16.6	21.0	03/08/91	7.5	20.1	--	--	.	--	--	--
Sulfate, in milligrams per liter	1990-2012	15	0	31.2	53.0	69.0	10/31/89	34.1	65.8	250	0	.	--	0.090	L
Sulfate, in milligrams per liter	2013-2014	5	0	38.7	NC	56.2	12/12/13	NC	NC	250	0	.	--	0.020	NC
Ammonia plus organic nitrogen, in milligrams per liter	1990-2000	27	1	0 *	0.500	1.30	08/29/90	0.312	0.980	--	--	--	--	--	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	1990-2012	19	0	0.300	0.700	1.50	08/29/90	0.456	1.30	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2013-2014	5	0	0.476	NC	0.855	02/06/13	NC	NC	--	--	--	--	0.070	--
Ammonia nitrogen, in milligrams per liter	1990-2000	27	3	0 *	0.080	0.980	08/29/90	0.013	0.496	2.19	0	5.31	0	--	L
Ammonia, unfiltered, in milligrams per liter	1991-2012	11	1	0 *	0.052	0.370	10/22/90	0.016	0.234	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2013-2014	5	0	0.031	NC	0.423	02/06/13	NC	NC	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1990-2012	30	19	0 *	0 *	0.385	03/28/12	0 *	0.230	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter	2013-2014	5	1	0 *	NC	0.210	08/21/13	NC	NC	10.0	0	--	--	0.010	NC
Nitrate plus nitrite, unfiltered, in milligrams per liter	1990-1993	16	11	0 *	0 *	0.340	03/08/91	0 *	0.172	--	--	--	--	--	--
Nitrite nitrogen, in milligrams per liter	1990-2000	27	18	0 *	0 *	0.040	07/09/91	0 *	0.019	0.05	0	--	--	--	L
Nitrite, unfiltered, in milligrams per liter	1991-1993	8	3	0 *	0.010	0.030	06/09/91	0 *	0.026	--	--	--	--	--	--
Organic nitrogen, unfiltered, in milligrams per liter	1990-2012	19	2	0 *	0.500	1.13	06/25/90	0.192	0.730	--	--	--	--	--	--
Organic nitrogen, unfiltered, in milligrams per liter	2013-2014	5	0	0.272	NC	0.627	10/24/12	NC	NC	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1990-2000	27	4	0 *	0.050	0.210	07/30/90	0.004	0.148	--	--	--	--	--	--
Orthophosphate, unfiltered, in milligrams per liter	1991-1993	8	1	0 *	0.050	0.150	03/08/91	0.010	0.133	--	--	--	--	--	--
Phosphorus, in milligrams per liter	1990-2000	27	0	0.020	0.070	0.240	08/29/90	0.020	0.150	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter	1990-2012	19	0	0.040	0.104	0.300	08/29/90	0.050	0.230	0.11	9	--	--	0.0040	M
Phosphorus, unfiltered, in milligrams per liter	2013-2014	5	0	0.029	NC	0.140	02/06/13	NC	NC	0.11	3	--	--	0.0040	NC
Total nitrogen, unfiltered, in milligrams per liter	2012	3	0	0.629	NC	0.901	09/26/12	NC	NC	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2013-2014	5	0	0.392	NC	0.884	02/06/13	NC	NC	--	--	--	--	0.050	--
Escherichia coli, in colonies per 100 milliliters	2013-2014	4	4	1	NC	1	02/06/13	--	NC**	126	0	--	--	1	NC
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1990-1993	20	17	0 *	0 *	2	12/06/89	0 *	1	--	--	--	--	--	--
Fecal streptococci, in colonies per 100 milliliters	1990-1993	20	5	0 *	3	51	07/27/92	0 *	32	--	--	--	--	--	--
Aluminum, unfiltered, in micrograms per liter	1990-1992	8	1	0 *	35.0	90.0	10/31/89	7.0	83.0	1,317	0	9,227	0	--	L
Barium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--

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Beryllium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	--	--	--	--
Cadmium, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	0.73	0	3.2	0	0.016	NC
Cadmium, in micrograms per liter	2013-2014	5	5	0 *	NC	0 *	10/24/12	NC	NC	0.73	0	3.2	0	0.030	NC
Cadmium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Chromium, in micrograms per liter	2012	3	2	0 *	NC	0.086	06/28/12	NC	NC	--	--	.	--	0.070	--
Chromium, in micrograms per liter	2013-2014	5	4	0 *	NC	0.072	10/24/12	NC	NC	--	--	.	--	0.30	--
Chromium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Cobalt, unfiltered, in micrograms per liter	1990-1992	8	7	0 *	0 *	1.0	10/08/91	0 *	0.65	--	--	.	--	--	--
Copper, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	16.6	0	26.6	0	0.80	NC
Copper, in micrograms per liter	2013-2014	5	5	0 *	NC	0 *	10/24/12	NC	NC	16.6	0	26.6	0	0.80	NC
Copper, unfiltered, in micrograms per liter	1990-1992	8	0	1.0	2.0	4.0	05/23/90	1.0	3.7	--	--	.	--	--	--
Iron, in micrograms per liter	2012	3	0	4.4	NC	28.0	06/28/12	NC	NC	300	0	.	--	3.2	NC
Iron, in micrograms per liter	2013-2014	5	0	8.8	NC	49.2	12/12/13	NC	NC	300	0	.	--	4.0	NC
Iron, unfiltered, in micrograms per liter	1990-2012	11	0	20.0	109	280	10/31/89	28.0	192	1,000	0	.	--	4.6	L
Iron, unfiltered, in micrograms per liter	2013-2014	5	0	53.5	NC	74.9	02/06/13	NC	NC	1,000	0	.	--	4.6	NC
Lead, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	5.5	0	141	0	0.025	NC
Lead, in micrograms per liter	2013-2014	5	2	0 *	NC	0.075	10/24/12	NC	NC	5.5	0	141	0	0.040	NC
Lead, unfiltered, in micrograms per liter	1990-1992	8	6	0 *	0 *	3.0	05/23/90	0 *	2.3	--	--	.	--	--	--
Lithium, unfiltered, in micrograms per liter	1990-1992	8	0	10.0	10.0	20.0	10/31/89	10.0	20.0	--	--	--	--	--	--
Manganese, in micrograms per liter	2012	3	0	51.6	NC	142	06/28/12	NC	NC	50.0	3	.	--	0.16	NC
Manganese, in micrograms per liter	2013-2014	5	0	4.7	NC	170	08/21/13	NC	NC	50.0	4	.	--	0.20	NC
Manganese, unfiltered, in micrograms per liter	1990-1992	8	0	40.0	75.0	360	03/08/91	40.0	304	2,100	0	3,801	0	--	L
Mercury, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	--	--	.	--	0.0050	--
Mercury, in micrograms per liter	2013-2014	5	5	0 *	NC	0 *	10/24/12	NC	NC	--	--	.	--	0.0050	--
Mercury, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	0.010	0	.	--	--	L
Molybdenum, unfiltered, in micrograms per liter	1990-1992	8	2	0 *	1.00	2.00	05/23/90	0 *	1.65	160	0	--	--	--	L
Nickel, in micrograms per liter	2012	3	0	0.92	NC	1.8	06/28/12	NC	NC	96.0	0	864	0	0.090	NC
Nickel, in micrograms per liter	2013-2014	5	0	1.0	NC	1.3	12/12/13	NC	NC	96.0	0	864	0	0.20	NC
Nickel, unfiltered, in micrograms per liter	1990-1992	8	0	1.0	1.0	6.0	06/09/91	1.0	4.6	--	--	.	--	--	--
Silver, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	0.26	0	7.1	0	0.0050	NC
Silver, in micrograms per liter	2013-2014	5	4	0 *	NC	0.006	10/24/12	NC	NC	0.26	0	7.1	0	0.020	NC
Silver, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Strontium, unfiltered, in micrograms per liter	1990-1992	8	0	300	345	400	10/31/89	300	390	--	--	--	--	--	--
Zinc, in micrograms per liter	2012	3	3	0 *	NC	0 *	03/28/12	NC	NC	234	0	309	0	1.9	NC
Zinc, in micrograms per liter	2013-2014	5	5	0 *	NC	0 *	10/24/12	NC	NC	234	0	309	0	1.9	NC
Zinc, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--

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Antimony, unfiltered, in micrograms per liter	1990-1992	8	7	0 *	0 *	1.00	03/12/92	0 *	0.650	--	--	--	--	--	--
Arsenic, in micrograms per liter	2012	3	0	1.0	NC	2.0	09/26/12	NC	NC	--	--	340	0	0.030	--
Arsenic, in micrograms per liter	2013-2014	5	0	0.95	NC	1.7	10/24/12	NC	NC	--	--	340	0	0.10	--
Arsenic, unfiltered in micrograms per liter	1990-1992	8	2	0 *	1.0	1.0	10/31/89	0 *	1.0	0.020	6	.	--	--	H
Cyanide, unfiltered, in milligrams per liter	2012	1	0	0.002	NC	0.002	03/28/12	NC	NC	--	--	.	--	0.0020	--
Selenium, in micrograms per liter	2012	3	0	0.32	NC	0.35	06/28/12	NC	NC	4.6	0	18.4	0	0.030	NC
Selenium, in micrograms per liter	2013-2014	5	0	0.28	NC	0.44	05/22/13	NC	NC	4.6	0	18.4	0	0.050	NC
Selenium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Organic carbon, in milligrams per liter	1999-2000	2	0	4.3	NC	5.4	08/19/99	NC	NC	--	--	.	--	--	--
Organic carbon, unfiltered, in milligrams per liter	2012	1	0	5.3	NC	5.3	03/28/12	NC	NC	--	--	.	--	0.50	--
Suspended sediment, in milligrams per liter	1990-1992	29	0	1	6	76	02/21/90	2	22	--	--	--	--	--	--