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

[--, 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	1990-2017	193	0	16.4	73.4	466	06/12/97	41.4	106	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	6	0	27.9	40.4	128	08/20/18	27.9	126	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	36	0	1.2	8.2	10.7	12/12/13	5.6	9.1	6.0	6	--	--	--	H
Dissolved oxygen, in milligrams per liter	2018-2019	6	0	8.0	8.9	9.1	01/08/18	8.1	9.1	6.0	0	--	--	--	L
pH, in standard units	1990-2017	38	0	7.5	8.1	8.8	09/26/12	7.8	8.5	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	6	0	8.0	8.2	8.6	10/22/18	8.0	8.5	6.5-9.0	0		--	--	L
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	1990-2017	188	0	355	449	555	12/13/89	402	480	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	6	0	443	449	466	01/08/18	443	466	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2017	190	0	2.0	8.9	19.5	08/30/94	3.5	15.1	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	6	0	2.1	7.6	13.1	08/20/18	2.1	12.9	--	--	--	--	--	--
Temperature, degrees Celsius June-September	1990-2017	77	0	6.2	14.2	19.5	08/30/94	9.8	17.5	21.7	0	--	--	--	L
Temperature, degrees Celsius June-September	2018	1	0	13.1	NC	13.1	08/20/18	NC	NC	21.7	0	--	--	--	NC
Temperature, degrees Celsius October-May	1990-2014	113	0	2.0	5.0	14.5	10/03/89	3.0	10.5	13.0	5	--	--	--	L
Temperature, degrees Celsius October-May	2018-2019	5	0	2.1	NC	9.5	10/22/18	NC	NC	13.0	0	--	--	--	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	2012-2017	10	0	226	273	303	06/13/17	232	294	--	--	.	--	20.0	--
Residue, in milligrams per liter	2018-2019	6	0	274	289	294	01/08/18	274	294	--	--	.	--	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	1990-2017	22	0	184	216	236	03/08/91	192	229	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	6	0	215	226	232	10/22/18	216	232	--	--	.	--	--	--
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	1990-2017	22	0	47.9	55.1	60.0	03/08/91	49.9	58.6	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	6	0	53.9	56.5	57.4	10/22/18	54.0	57.4	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2017	22	0	15.5	19.0	21.0	10/22/90	16.8	20.5	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	6	0	19.5	20.9	21.5	10/22/18	19.6	21.5	--	--	.	--	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	1999-2017	12	0	150	175	190	12/12/13	155	186	--	--	.	--	--	--

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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	2018-2019	6	0	169	183	190	10/22/18	170	189	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2012-2017	10	0	179	213	227	12/12/13	180	224	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	6	0	203	215	223	11/13/17	203	223	--	--	.	--	--	--
Carbonate, in milligrams per liter	2012-2017	10	0	0.90	2.0	5.4	09/26/12	0.97	5.3	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	6	1	0 *	1.3	2.5	08/20/18	0.050	2.5	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2017	22	0	1.7	3.0	14.0	06/09/91	2.2	4.4	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	6	0	3.1	3.2	3.4	05/14/18	3.1	3.4	250	0	.	--	0.020	L
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	1990-2017	22	0	31.2	53.4	69.0	10/31/89	37.5	60.7	250	0	.	--	0.020	L
Sulfate, in milligrams per liter	2018-2019	6	0	52.9	55.6	59.0	01/08/18	53.0	58.9	250	0	.	--	0.020	L
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	1990-2017	26	0	0.300	0.700	1.50	08/29/90	0.457	1.10	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2018-2019	6	0	0.377	0.529	0.815	10/22/18	0.380	0.805	--	--	--	--	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	1991-2017	18	1	0 *	0.082	0.423	02/06/13	0.029	0.225	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	6	0	0.030	0.158	0.238	01/08/18	0.030	0.238	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1990-2017	37	20	0 *	0 *	0.385	03/28/12	0 *	0.210	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	6	0	0.049	0.081	0.186	02/20/19	0.050	0.183	--	--	10.0	0	0.010	--
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	--	--
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	1990-2017	26	2	0 *	0.458	1.13	06/25/90	0.272	0.662	--	--	--	--	--	--
Organic nitrogen, unfiltered, in milligrams per liter	2018-2019	6	0	0.283	0.362	0.568	10/22/18	0.286	0.560	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1990-2017	29	4	0 *	0.050	0.210	07/30/90	0.010	0.145	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	6	0	0.025	0.062	0.081	11/13/17	0.027	0.081	--	--	--	--	0.0040	--
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	1990-2017	29	0	0.020	0.070	0.240	08/29/90	0.020	0.150	--	--	--	--	0.020	--
Phosphorus, in milligrams per liter	2018-2019	6	1	0 *	0.061	0.082	11/13/17	0.003	0.082	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter	1990-2017	26	0	0.029	0.111	0.300	08/29/90	0.050	0.170	0.11	13	--	--	0.0040	H
Phosphorus, unfiltered, in milligrams per liter	2018-2019	6	0	0.045	0.083	0.106	10/22/18	0.046	0.105	0.11	0	--	--	0.0040	M
Total nitrogen, unfiltered, in milligrams per liter	2012-2017	10	0	0.392	0.631	0.901	09/26/12	0.438	0.890	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	6	0	0.439	0.617	0.845	10/22/18	0.446	0.836	--	--	--	--	0.050	--
Escherichia coli, in colonies per 100 milliliters	2013-2017	6	5	1	1	1	02/06/13	--	1 **	126	0	--	--	1	L
Escherichia coli, in colonies per 100 milliliters	2018-2019	6	6	1	1	1	11/13/17	--	1 **	126	0	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1990-1993	20	17	0 *	0 *	2	12/06/89	0 *	1	--	--	--	--	--	--

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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
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	1,367	0	9,573	0	--	L
Barium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Beryllium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	--	--	--	--
Cadmium, in micrograms per liter	2012-2017	10	10	0 *	0 *	0 *	03/28/12	0 *	0 *	1.3	0	3.6	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	6	6	0 *	0 *	0 *	11/13/17	0 *	0 *	1.3	0	3.6	0	0.030	L
Cadmium, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
Chromium, in micrograms per liter	2012-2017	10	8	0 *	0 *	0.086	06/28/12	0 *	0.077	--	--	.	--	0.50	--
Chromium, in micrograms per liter	2018-2019	6	6	0 *	0 *	0 *	11/13/17	0 *	0 *	--	--	.	--	0.50	--
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	2012-2017	10	8	0 *	0 *	0.53	06/13/17	0 *	0.40	17.0	0	27.3	0	0.20	L
Copper, in micrograms per liter	2018-2019	6	3	0 *	0.31	0.69	01/08/18	0 *	0.69	17.0	0	27.3	0	0.40	L
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	2012-2017	10	2	0 *	11.4	49.2	12/12/13	0 *	35.4	300	0	.	--	10.0	L
Iron, in micrograms per liter	2018-2019	6	5	0 *	0 *	12.1	10/22/18	0 *	11.5	300	0	.	--	10.0	L
Iron, unfiltered, in micrograms per liter	1990-2017	18	0	20.0	57.8	280	10/31/89	29.2	135	1,000	0	.	--	10.0	L
Iron, unfiltered, in micrograms per liter	2018-2019	6	0	23.8	34.5	44.9	11/13/17	24.0	44.8	1,000	0	.	--	10.0	L
Lead, in micrograms per liter	2012-2017	10	7	0 *	0 *	0.075	10/24/12	0 *	0.069	5.6	0	145	0	0.020	L
Lead, in micrograms per liter	2018-2019	6	4	0 *	0 *	0.035	02/20/19	0 *	0.035	5.6	0	145	0	0.020	L
Lead, unfiltered, in micrograms per liter	1990-1992	8	6	0 *	0 *	3.0	05/23/90	0 *	2.3	--	--	50.0	0	--	--
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	2012-2017	10	0	4.7	94.5	170	08/21/13	35.2	156	50.0	9	.	--	0.20	H
Manganese, in micrograms per liter	2018-2019	6	0	20.7	88.3	106	10/22/18	21.4	106	50.0	4	.	--	0.20	H
Manganese, unfiltered, in micrograms per liter	1990-1992	8	0	40.0	75.0	360	03/08/91	40.0	304	2,119	0	3,835	0	--	L
Mercury, in micrograms per liter	2012-2017	10	10	0 *	0 *	0 *	03/28/12	0 *	0 *	--	--	.	--	0.0050	--
Mercury, in micrograms per liter	2018	4	4	0 *	NC	0 *	11/13/17	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	150	0	--	--	--	L
Nickel, in micrograms per liter	2012-2017	10	0	0.92	1.1	1.8	06/28/12	0.92	1.5	98.2	0	884	0	0.20	L
Nickel, in micrograms per liter	2018-2019	6	0	0.82	0.90	1.0	08/20/18	0.82	1.0	98.2	0	884	0	0.20	L
Nickel, unfiltered, in micrograms per liter	1990-1992	8	0	1.0	1.0	6.0	06/09/91	1.0	4.6	100	0	.	--	--	L
Silver, in micrograms per liter	2012-2014	8	7	0 *	0 *	0.006	10/24/12	0 *	0.004	0.27	0	7.4	0	0.020	L
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	2012-2017	10	10	0 *	0 *	0 *	03/28/12	0 *	0 *	240	0	317	0	4.0	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
Zinc, in micrograms per liter	2018-2019	6	6	0 *	0 *	0 *	11/13/17	0 *	0 *	240	0	317	0	4.0	L
Zinc, unfiltered, in micrograms per liter	1990-1992	8	8	0 *	0 *	0 *	10/31/89	0 *	0 *	--	--	.	--	--	--
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	2012-2017	10	0	0.95	1.2	2.0	09/26/12	1.0	1.8	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	6	0	0.84	1.3	1.5	10/22/18	0.85	1.5	--	--	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	2012-2017	10	0	0.28	0.35	0.47	06/13/17	0.30	0.45	4.6	0	18.4	0	0.050	L
Selenium, in micrograms per liter	2018-2019	6	0	0.30	0.38	0.41	11/13/17	0.30	0.41	4.6	0	18.4	0	0.050	L
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	--	--	--	--	--	--