Table 12. Summary of measured constituents and properties for Yampa River at Deerlodge Park, CO., station 09260050

[--, 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	219	0	4.0	641	19,500	05/26/11	190	7,210	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	98.5	404	10,400	06/27/19	167	9,081	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1997-2017	100	0	6.6	9.2	12.7	11/08/96	7.2	11.3	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	7.4	9.0	12.0	01/16/18	7.4	11.8	5.0	0	--	--	--	L
pH, in standard units	1997-2017	112	0	7.6	8.4	8.7	02/07/06	8.1	8.5	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	8	0	8.0	8.3	8.5	08/30/18	8.0	8.5	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1997-2003	29	0	7.0	8.2	8.5	08/18/99	7.8	8.4	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1997-2015	35	0	133	599	908	07/31/02	191	724	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2017	221	0	122	506	1,026	08/05/02	193	715	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	134	522	611	02/26/19	155	594	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2017	222	0	0.0	12.8	32.5	07/16/02	1.8	22.5	--	--	--	--	--	--
Temperature, degrees Celsius	2018-2019	8	0	0.0	11.4	19.2	08/30/18	0.0	18.3	--	--	--	--	--	--
Temperature, degrees Celsius Mar-Nov	1990-2017	197	0	0.1	14.0	32.5	07/16/02	7.0	22.8	28.6	1	--	--	--	L
Temperature, degrees Celsius Mar-Nov	2018-2019	6	0	0.5	15.0	19.2	08/30/18	0.9	19.1	28.6	0	--	--	--	L
Temperature, degrees Celsius Dec-Feb	1990-2017	25	0	0.0	0.0	5.0	02/28/00	0.0	0.9	14.3	0	--	--	--	L
Temperature, degrees Celsius Dec-Feb	2018-2019	2	0	0.0	NC	0.1	01/16/18	NC	NC	14.3	0	--	--	--	NC
Dissolved solids, sum of constituents, in milligrams per liter	1997-2017	99	0	68.5	307	610	04/08/08	110	407	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	80.8	316	367	02/26/19	91.9	359	--	--	.	--	--	--
Hardness, in milligrams per liter	1997-2017	99	0	46.0	170	338	04/08/08	73.4	222	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	55.3	186	207	02/26/19	64.1	202	--	--	.	--	--	--
Turbidity, unfiltered, Hach 2100AN, in nephelometric turbidity units	2002	2	0	13.5	NC	16.7	09/04/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1997-2017	99	0	13.0	41.0	67.2	04/08/08	18.8	49.4	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	15.3	43.4	48.3	02/26/19	17.2	47.4	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1997-2017	99	0	3.3	17.3	41.3	04/08/08	6.4	24.0	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	4.2	18.3	21.0	02/26/19	5.1	20.6	--	--	.	--	0.010	--
Potassium, in milligrams per liter	1997-2017	99	0	0.70	2.2	4.9	09/04/02	1.1	3.0	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	0.73	2.4	3.2	08/30/18	0.83	3.1	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1997-2017	99	0	5.1	39.6	102	07/31/02	8.2	60.7	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	6.5	42.8	48.5	09/17/19	7.0	47.4	--	--	.	--	0.40	--
Acid neutralizing capacity, unfiltered, in milligrams per liter	1997-2002	2	0	111	NC	124	08/19/02	NC	NC	--	--	--	--	--	--
Acid neutralizing capacity, in milligrams per liter	1997-1999	10	0	60.9	152	180	03/04/99	64.9	170	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2015	26	0	44.4	154	197	09/04/02	57.6	182	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1997-2017	74	0	39.9	131	210	12/09/16	59.8	156	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	45.3	148	158	09/17/19	50.0	157	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1997-2017	72	0	48.1	154	252	12/09/16	70.2	184	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	54.7	176	188	02/26/19	60.4	187	--	--	.	--	--	--

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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
Carbonate, in milligrams per liter	1997-2017	69	0	0.30	1.6	7.2	12/16/03	0.60	3.1	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	0.20	1.2	3.2	09/17/19	0.27	3.2	--	--	.	--	--	--
Chloride, in milligrams per liter	1997-2017	99	0	1.2	14.6	75.3	07/31/02	2.3	23.8	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	1.7	17.9	22.3	08/30/18	1.9	21.9	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	1997-2017	98	6	0 *	0.22	0.38	07/31/02	0.11	0.28	2.0	0	.	--	0.010	L
Fluoride, in milligrams per liter	2018-2019	8	0	0.098	0.22	0.24	08/30/18	0.10	0.23	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1997-2017	99	0	1.6	8.0	14.0	12/09/16	4.6	11.3	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	3.5	8.9	11.6	01/16/18	4.1	11.4	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1997-2017	99	0	11.9	96.7	293	04/13/10	25.6	154	250	2	.	--	0.020	M
Sulfate, in milligrams per liter	2018-2019	8	0	15.1	94.0	123	02/26/19	19.3	118	250	0	.	--	0.020	L
Ammonia plus organic nitrogen, in milligrams per liter	1997-2002	24	2	0 *	0.226	0.400	03/20/97	0.099	0.308	--	--	--	--	0.10	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	1997-2017	97	0	0.146	0.375	2.55	10/16/01	0.273	0.838	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2018-2019	8	0	0.208	0.403	0.564	08/30/18	0.217	0.550	--	--	--	--	0.070	--
Ammonia nitrogen, in milligrams per liter	1997-2017	103	88	0 *	0 *	0.127	11/12/14	0 *	0.002	1.39	0	3.30	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	8	7	0 *	0 *	0.025	09/17/19	0 *	0.016	1.54	0	3.44	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1997-2017	103	46	0 *	0.027	0.710	04/13/10	0 *	0.288	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	8	4	0 *	0.014	0.225	02/26/19	0 *	0.218	--	--	10.0	0	0.010	--
Nitrite nitrogen, in milligrams per liter	1997-2017	103	73	0 *	0 *	0.020	11/08/96	0 *	0.002	--	--	0.05	0	0.0010	--
Nitrite nitrogen, in milligrams per liter	2018-2019	8	5	0 *	0 *	0.003	01/16/18	0 *	0.003	--	--	0.05	0	0.0010	--
Organic nitrogen, unfiltered, in milligrams per liter	1997-2017	101	86	0 *	0 *	1.18	04/02/02	0 *	0.125	--	--	--	--	--	--
Organic nitrogen, unfiltered, in milligrams per liter	2018-2019	8	7	0 *	0 *	0.381	09/17/19	0 *	0.248	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1997-2017	102	44	0 *	0.004	0.040	03/20/97	0 *	0.016	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	8	4	0 *	0.002	0.019	06/27/19	0 *	0.018	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1997-2015	28	8	0 *	0.006	0.050	03/20/97	0 *	0.020	--	--	--	--	0.0030	--
Phosphorus, unfiltered, in milligrams per liter	1997-2017	102	2	0 *	0.079	3.22	10/16/01	0.027	0.389	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	8	0	0.034	0.058	0.229	06/27/19	0.034	0.219	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2014-2015	4	0	0.301	NC	0.976	05/06/14	NC	NC	--	--	--	--	0.050	--
Escherichia coli, in colonies per 100 milliliters	2004-2017	66	0	1	24	660	06/07/10	--	21 **	126	4	--	--	1	L
Escherichia coli, in colonies per 100 milliliters	2018-2019	8	0	2	26	190	06/27/19	--	18 **	126	1	--	--	1	L
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	1997-2004	28	0	4	26	164	10/16/01	--	23 **	126	1	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1997-2003	27	0	2	44	200	06/02/98	9	90	--	--	--	--	--	--
Aluminum, in micrograms per liter	2002	1	1	0 *	NC	0 *	09/04/02	NC	NC	--	--	.	--	15.0	--
Cadmium, in micrograms per liter	1997-2017	78	73	0 *	0 *	0.039	02/07/06	0 *	0 *	1.2	0	5.0	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/20/17	0 *	0 *	1.2	0	5.0	0	0.030	L
Copper, in micrograms per liter	1997-2017	78	14	0 *	1.1	6.7	02/07/06	0 *	1.6	15.3	0	24.3	0	0.20	L
Copper, in micrograms per liter	2018-2019	8	0	0.81	1.3	1.4	05/21/18	0.81	1.4	15.3	0	24.3	0	0.40	L

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Iron, in micrograms per liter	2002	1	1	0 *	NC	0 *	09/04/02	NC	NC	300	0	.	--	10.0	NC
Iron, unfiltered, in micrograms per liter	1997-2017	77	0	93.0	1,033	38,606	10/16/01	237	6,599	1,000	39	.	--	10.0	H
Iron, unfiltered, in micrograms per liter	2018-2019	8	0	301	737	2,834	06/27/19	390	2,652	1,000	3	.	--	5.0	M
Lead, in micrograms per liter	1997-2017	78	51	0 *	0 *	0.19	05/20/13	0 *	0.048	4.9	0	127	0	0.020	L
Lead, in micrograms per liter	2018-2019	8	1	0 *	0.035	0.15	08/30/18	0.007	0.14	4.9	0	127	0	0.020	L
Manganese, in micrograms per liter	1997-2017	78	5	0 *	3.6	80.2	02/18/11	2.1	6.8	50.0	2	.	--	0.40	L
Manganese, in micrograms per liter	2018-2019	8	0	2.0	4.0	5.4	01/16/18	2.5	5.2	50.0	0	.	--	0.40	L
Manganese, unfiltered, in micrograms per liter	1997-2017	77	0	11.0	51.1	1,343	10/16/01	20.8	218	2,033	0	3,680	0	0.20	L
Manganese, unfiltered, in micrograms per liter	2018-2019	8	0	12.9	65.7	107	08/30/18	15.5	103	2,033	0	3,680	0	0.20	L
Mercury, in micrograms per liter	1997-2003	28	25	0 *	0 *	0.059	10/16/01	0 *	0 *	--	--	.	--	0.018	--
Silver, in micrograms per liter	1997-2017	78	78	0 *	0 *	0 *	11/08/96	0 *	0 *	0.94	0	6.0	0	1.0	L
Silver, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/20/17	0 *	0 *	0.94	0	6.0	0	1.0	L
Zinc, in micrograms per liter	1997-2017	78	60	0 *	0 *	12.3	02/07/06	0 *	0.55	214	0	283	0	2.0	L
Zinc, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/20/17	0 *	0 *	214	0	283	0	2.0	L
Selenium, in micrograms per liter	1997-2017	97	23	0 *	0.35	9.8	04/13/10	0 *	1.7	4.6	1	18.4	0	0.050	L
Selenium, in micrograms per liter	2018-2019	8	0	0.16	0.34	0.72	01/16/18	0.21	0.66	4.6	0	18.4	0	0.050	L
Selenium, unfiltered, in micrograms per liter	1998	10	2	0 *	2.7	6.6	03/26/98	0 *	4.7	--	--	.	--	--	--
Organic carbon, in milligrams per liter	1999-2002	4	0	4.1	NC	5.7	09/04/02	NC	NC	--	--	.	--	0.33	--
Suspended sediment, sieve diameter, percent smaller than 0.0625 millimeters	1994-2000	21	0	6.03	68.0	99.8	09/19/94	34.1	98.2	--	--	--	--	--	--
Suspended sediment, in milligrams per liter	1994-2002	47	0	7	347	6,460	09/19/94	24	1,360	--	--	--	--	--	--