Table 10. Summary of measured constituents and properties for Eagle River at Gypsum, Co., station 09069000

[--, 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	1990-2016	205	0	74.0	229	5,700	06/18/95	143	1,314	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2017-2018	12	0	63.6	151	1,095	07/13/17	82.0	939	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2016	202	0	6.9	10.0	15.4	02/13/07	8.7	12.0	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2017-2018	12	0	8.5	10.5	12.1	01/18/17	8.9	11.7	6.0	0	--	--	--	L
pH, in standard units	1990-2016	205	0	7.6	8.3	9.2	11/15/07	8.1	8.7	6.5-9.0	2		--	--	L
pH, in standard units	2017-2018	12	0	8.1	8.6	9.1	09/06/17	8.1	9.0	6.5-9.0	1		--	--	H
pH, laboratory, in standard units	1990-2003	96	0	7.1	8.1	8.6	09/19/00	7.9	8.2	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2013	115	0	150	807	1,401	09/04/02	222	1,068	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2016	202	0	151	842	1,530	12/13/89	266	1,075	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2017-2018	12	0	281	1,096	1,504	12/07/17	335	1,286	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2016	204	0	0.0	8.0	24.0	07/31/02	0.7	15.8	--	--	--	--	--	--
Temperature, degrees Celsius	2017-2018	12	0	0.0	11.6	19.0	09/06/17	1.8	18.3	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1990-2016	125	0	4.5	11.3	24.0	07/31/02	7.2	17.1	23.9	1	--	--	--	L
Temperature, degrees Celsius April-October	2017-2018	9	0	5.8	13.8	19.0	09/06/17	8.1	18.7	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1990-2016	79	0	0.0	2.0	8.6	03/21/94	0.0	5.3	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2017-2018	3	0	0.0	NC	1.9	01/18/17	NC	NC	13.0	0	--	--	--	NC
Residue, in milligrams per liter	1995-1998	3	0	438	NC	599	02/18/98	NC	NC	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	1990-2016	199	0	83.7	498	875	01/17/13	151	648	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2017-2018	12	0	152	653	877	12/07/17	187	777	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2016	199	0	61.5	292	485	09/04/02	97.5	356	--	--	.	--	--	--
Hardness, in milligrams per liter	2017-2018	12	0	94.8	328	419	12/07/17	116	397	--	--	.	--	--	--
Residue (total), in milligrams per liter	1990-2003	50	7	0 *	11.0	442	08/12/03	0.65	110	--	--	.	--	20.0	--
Turbidity, unfiltered, in nephelometric turbidity units	2002	2	0	3.45	NC	21.4	07/31/02	NC	NC	--	--	--	--	0.10	--
Calcium, in milligrams per liter	1990-2016	199	0	18.5	88.4	152	09/04/02	30.2	106	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2017-2018	12	0	28.6	97.3	128	12/07/17	35.5	120	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2016	199	0	3.7	17.2	28.0	12/13/89	6.1	21.5	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2017-2018	12	0	5.7	20.1	24.5	12/07/17	6.5	23.5	--	--	.	--	0.011	--
Potassium, in milligrams perm liter	1990-2016	199	0	0.53	2.6	4.4	01/17/13	0.97	3.5	--	--	.	--	0.060	--
Potassium, in milligrams perm liter	2017-2018	12	0	0.91	3.5	4.2	12/07/17	1.2	4.0	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1990-2016	199	0	2.9	55.6	135	01/17/13	11.0	86.4	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2017-2018	12	0	14.8	99.5	136	12/07/17	20.0	119	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1990-1999	42	0	47.0	125	169	12/13/89	57.5	138	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2015	59	0	47.1	132	166	02/19/03	62.9	145	--	--	.	--	4.6	--
Alkalinity, inflection-point titration, in milligrams per liter	1995-2016	160	0	38.4	117	169	12/08/11	63.4	134	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2017-2018	12	0	55.9	126	163	12/07/17	60.0	146	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1995-2016	160	0	46.8	137	204	12/08/11	75.9	160	--	--	.	--	--	--

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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
Bicarbonate, in milligrams per liter	2017-2018	12	0	67.1	140	198	12/07/17	71.4	167	--	--	.	--	--	--
Carbonate, in milligrams per liter	1998-2016	117	0	0.10	1.7	13.2	09/19/00	0.60	5.5	--	--	.	--	--	--
Carbonate, in milligrams per liter	2017-2018	12	0	0.50	2.1	9.1	08/31/18	0.60	8.2	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2016	199	0	2.9	83.2	220	01/17/13	14.4	133	250	0	.	--	0.020	M
Chloride, in milligrams per liter	2017-2018	12	0	21.3	153	215	12/07/17	30.4	187	250	0	.	--	0.020	M
Fluoride, in milligrams per liter	1990-2016	199	34	0 *	0.12	0.30	03/21/90	0 *	0.18	2.0	0	.	--	0.010	L
Fluoride, in milligrams per liter	2017-2018	12	0	0.065	0.12	0.15	12/07/17	0.074	0.14	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1990-2016	199	0	2.0	6.4	10.0	01/25/02	4.7	7.8	--	--	.	--	0.018	--
Silica, in milligrams per liter	2017-2018	12	0	2.5	5.1	7.0	04/19/18	2.7	6.4	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1990-2016	199	0	17.8	168	320	12/13/89	36.9	215	250	7	.	--	0.020	M
Sulfate, in milligrams per liter	2017-2018	12	0	42.3	187	263	12/07/17	48.4	231	250	1	.	--	0.020	M
Ammonia plus organic nitrogen, in milligrams per liter as N	1990-2016	204	26	0 *	0.169	1.00	09/05/91	0.095	0.264	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, in milligrams per liter as N	2017-2018	12	0	0.130	0.157	0.261	08/31/18	0.134	0.206	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	1990-2016	204	15	0 *	0.244	7.02	09/09/03	0.167	0.530	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2017-2018	12	0	0.175	0.285	0.538	04/13/17	0.195	0.472	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1991-2016	200	50	0 *	0.017	0.305	01/19/99	0 *	0.040	1.44	0	3.15	0	0.010	L
Ammonia, in milligrams per liter as N	2017-2018	12	7	0 *	0 *	0.056	01/18/17	0 *	0.040	1.11	0	2.38	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1990-2016	204	1	0 *	0.412	1.82	01/27/04	0.129	1.02	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter as N	2017-2018	12	1	0 *	0.086	0.761	01/18/17	0.018	0.725	--	--	10.0	0	0.010	--
Nitrite, in milligrams per liter as N	1991-2016	199	36	0 *	0.006	0.065	11/12/02	0 *	0.019	0.05	3	--	--	0.0010	L
Nitrite, in milligrams per liter as N	2017-2018	12	3	0 *	0.003	0.007	12/07/17	0 *	0.007	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter as P	1991-2016	200	13	0 *	0.030	0.190	01/11/10	0.007	0.098	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2017-2018	12	0	0.010	0.042	0.148	01/18/17	0.011	0.092	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1990-2016	204	14	0 *	0.037	0.208	01/17/08	0.010	0.105	--	--	--	--	0.0030	--
Phosphorus, in milligrams per liter as P	2017-2018	12	0	0.013	0.055	0.165	01/18/17	0.016	0.102	--	--	--	--	0.0030	--
Phosphorus, unfiltered, in milligrams per liter as P	1990-2016	204	6	0 *	0.081	2.55	09/09/03	0.030	0.190	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter as P	2017-2018	12	0	0.037	0.100	0.183	01/18/17	0.042	0.152	--	--	--	--	0.0040	--
Escherichia coli, in colonies per 100 milliliters	2004-2016	74	6	1	9	800	09/12/13	--	10 **	126	2	--	--	1	L
Escherichia coli, in colonies per 100 milliliters	2017-2018	12	0	1	11	180	07/13/17	--	8 **	126	1	--	--	1	L
Escherichia coli, m-TEC, MF, in colonies per 100 milliliters	1997-2004	46	5	1	4	193	05/25/99	--	6 **	126	1	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1997-2003	41	4	0 *	10	262	05/25/99	1	74	--	--	--	--	--	--
Biomass, periphyton, ash free dry mass, in grams per square meter	1997-1998	2	0	3.10	NC	5.90	02/18/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, ash weight, in grams per square meter	1997-1998	2	0	65.6	NC	86.2	02/18/98	NC	NC	--	--	--	--	--	--
Biomass, periphyton, dry weight, in grams per square meter	1997-1998	2	0	68.7	NC	92.1	02/18/98	NC	NC	--	--	--	--	--	--
Chlorophyll a, periphyton, in milligrams per square meter	1997-1998	2	0	7.20	NC	19.7	02/18/98	NC	NC	--	--	--	--	--	--
Aluminum, in micrograms per liter	2002	1	1	0 *	NC	0 *	09/04/02	NC	NC	--	--	.	--	15.0	--

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Barium, in micrograms per liter	1990-2003	51	2	0 *	47.0	83.1	08/12/03	32.6	59.4	1,000	0	.	--	2.0	L
Beryllium, in micrograms per liter	1990-2003	51	49	0 *	0 *	0.600	06/07/90	0 *	0 *	4.00	0	--	--	0.40	L
Cadmium, in micrograms per liter	1990-2016	114	67	0 *	0 *	4.0	03/21/90	0 *	0.033	1.0	1	4.7	0	0.030	L
Cadmium, in micrograms per liter	2017-2018	10	10	0 *	0 *	0 *	10/19/16	0 *	0 *	1.0	0	4.7	0	0.030	L
Cadmium, unfiltered, in micrograms per liter	1990-2003	46	37	0 *	0 *	2.0	06/07/90	0 *	0.13	--	--	.	--	0.22	--
Chromium, in micrograms per liter	1990-2003	52	48	0 *	0 *	2.1	06/08/94	0 *	0 *	--	--	.	--	0.80	--
Chromium, unfiltered, in micrograms per liter	1990-2003	46	25	0 *	0 *	7.5	06/08/94	0 *	2.5	--	--	.	--	0.80	--
Copper, in micrograms per liter	1990-2016	114	21	0 *	1.2	6.0	05/28/92	0 *	2.0	24.5	0	40.8	0	0.20	L
Copper, in micrograms per liter	2017-2018	10	0	0.96	1.4	2.2	04/13/17	1.1	1.8	24.5	0	40.8	0	0.40	L
Copper, unfiltered, in micrograms per liter	1990-2003	45	4	0 *	3.0	14.6	05/25/99	1.00	7.1	--	--	.	--	1.2	--
Iron, in micrograms per liter	1990-2003	87	8	0 *	26.0	120	05/28/92	5.3	43.7	300	0	.	--	8.0	L
Iron, unfiltered, in micrograms per liter	2001-2016	62	0	39.5	252	16,070	09/12/13	78.7	2,048	1,000	15	.	--	4.6	L
Iron, unfiltered, in micrograms per liter	2017-2018	10	0	35.1	123	1,063	04/13/17	41.8	832	1,000	1	.	--	10.0	L
Lead, in micrograms per liter	1990-2016	113	54	0 *	0.027	3.0	03/31/93	0 *	0.14	8.8	0	227	0	0.020	L
Lead, in micrograms per liter	2017-2018	10	5	0 *	0.016	0.13	09/06/17	0 *	0.098	8.8	0	227	0	0.020	L
Lead, unfiltered, in micrograms per liter	1990-2003	46	15	0 *	1.7	24.5	05/25/99	0 *	6.0	--	--	.	--	1.0	--
Manganese, in micrograms per liter	1990-2016	146	0	6.8	21.0	430	03/21/90	12.0	47.2	2,443	0	4,421	0	0.40	L
Manganese, in micrograms per liter	2017-2018	10	0	6.8	13.4	22.9	02/05/18	8.3	22.0	2,443	0	4,421	0	0.40	L
Manganese, unfiltered, in micrograms per liter	2001-2016	62	0	10.0	29.9	1,207	06/06/13	15.3	124	--	--	.	--	0.20	--
Manganese, unfiltered, in micrograms per liter	2017-2018	10	0	11.6	23.5	73.9	04/13/17	16.2	73.2	--	--	.	--	0.20	--
Mercury, in micrograms per liter	1990-2003	52	45	0 *	0 *	0.60	08/22/96	0 *	0.00005	--	--	.	--	0.018	--
Mercury, unfiltered, in micrograms per liter	1990-2003	51	46	0 *	0 *	0.50	03/12/92	0 *	0 *	0.010	3	.	--	0.018	L
Nickel, in micrograms per liter	1990-2003	52	42	0 *	0 *	4.0	05/28/92	0 *	1.0	141	0	1,269	0	2.0	L
Nickel, unfiltered, in micrograms per liter	1990-2003	45	14	0 *	2.0	15.1	08/12/03	0 *	4.0	--	--	.	--	2.0	--
Silver, in micrograms per liter	1990-2016	114	110	0 *	0 *	0.008	11/02/09	0 *	0 *	0.57	0	15.4	0	1.0	L
Silver, in micrograms per liter	2017-2018	10	10	0 *	0 *	0 *	10/19/16	0 *	0 *	0.57	0	15.4	0	1.0	L
Silver, unfiltered, in micrograms per liter	1990-2003	46	46	0 *	0 *	0 *	12/13/89	0 *	0 *	--	--	.	--	0.26	--
Zinc, in micrograms per liter	1990-2016	114	16	0 *	7.9	180	12/13/89	1.7	25.0	354	0	467	0	2.0	L
Zinc, in micrograms per liter	2017-2018	10	3	0 *	5.8	14.0	04/19/18	0 *	13.1	354	0	467	0	2.0	L
Zinc, unfiltered, in micrograms per liter	1990-2003	47	3	0 *	50.0	480	06/07/90	17.5	150	--	--	.	--	4.0	--
Antimony, in micrograms per liter	1990-2000	44	42	0 *	0 *	2.00	06/08/94	0 *	0 *	5.60	0	--	--	--	L
Arsenic, in micrograms per liter	1990-2003	51	50	0 *	0 *	1.0	06/08/94	0 *	0 *	150	0	340	0	1.9	L
Arsenic, unfiltered in micrograms per liter	1990-2003	50	42	0 *	0 *	3.3	08/12/03	0 *	1.0	0.020	8	.	--	1.9	L
Selenium, in micrograms per liter	1990-2016	113	50	0 *	0.25	3.0	03/31/93	0 *	0.75	4.6	0	18.4	0	0.050	L
Selenium, in micrograms per liter	2017-2018	10	0	0.21	0.56	0.80	12/07/17	0.30	0.73	4.6	0	18.4	0	0.050	L
Selenium, unfiltered, in micrograms per liter	1990-2003	50	44	0 *	0 *	3.0	03/31/93	0 *	0 *	--	--	.	--	2.6	--

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Organic carbon, in milligrams per liter	1995-2006	31	0	1.3	2.3	6.9	05/24/05	1.7	3.6	--	--	.	--	0.33	--
Tritium, unfiltered, in, picocuries per liter	2007	4	0	28.2	NC	33.7	05/22/07	NC	NC	--	--	--	--	1.0	--
Suspended sediment, fall diameter percent smaller than 0.0625 millimeters	2005	1	0	96.8	NC	96.8	09/29/05	NC	NC	--	--	--	--	--	--
Suspended sediment, sieve diameter percent smaller than 0.0625 millimeters	2003-2006	5	0	54.5	NC	100.0	08/12/03	NC	NC	--	--	--	--	--	--
Suspended sediment, in milligrams per liter	1995-2016	102	0	1	16	994	09/12/13	4	119	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2017-2018	12	0	1	6	101	07/13/17	1	56	--	--	--	--	1.0	--