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	1990-2012	181	0	74.0	226	5,700	06/18/95	140	1,298	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2013-2014	11	0	93.0	240	3,045	06/06/13	110	1,689	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2012	178	0	6.9	10.0	15.4	02/13/07	8.7	12.0	6.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2013-2014	11	0	7.9	9.7	13.1	11/07/13	8.2	12.0	6.0	0	--	--	--	L
pH, in standard units	1990-2012	181	0	7.6	8.3	9.2	11/15/07	8.1	8.6	6.5-9.0	1		--	--	L
pH, in standard units	2013-2014	11	0	7.9	8.2	8.6	11/07/13	7.9	8.5	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2011	114	0	156	809	1,401	09/04/02	228	1,068	--	--	.	--	5.0	--
Specific conductance, laboratory, in microsiemens per centimeter	2013	1	0	150	NC	150	06/06/13	NC	NC	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2012	178	0	151	846	1,530	12/13/89	258	1,072	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2013-2014	11	0	152	780	1,430	01/17/13	271	1,286	--	--	.	--	--	--
Temperature, degrees Celsius	1990-2012	180	0	0.0	8.0	24.0	07/31/02	0.6	15.9	--	--	--	--	--	--
Temperature, degrees Celsius	2013-2014	11	0	-0.0	7.0	16.4	07/11/13	-0.0	15.4	--	--	--	--	--	--
Temperature, degrees Celsius April-October	1990-2012	109	0	4.5	11.2	24.0	07/31/02	7.3	17.3	23.9	1	--	--	--	L
Temperature, degrees Celsius April-October	2013-2014	7	0	6.8	8.7	16.4	07/11/13	6.8	16.2	23.9	0	--	--	--	L
Temperature, degrees Celsius November-March	1990-2012	71	0	0.0	2.0	8.6	03/21/94	0.0	5.5	13.0	0	--	--	--	L
Temperature, degrees Celsius November-March	2013-2014	4	0	-0.0	NC	4.5	03/28/13	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	1990-2012	175	0	83.8	500	857	12/13/89	139	645	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2013-2014	11	0	83.7	482	875	01/17/13	156	784	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2012	175	0	63.1	296	485	09/04/02	100	356	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2014	11	0	61.5	276	418	01/17/13	110	396	--	--	.	--	--	--
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	1990-2012	175	0	18.9	89.0	152	09/04/02	30.3	106	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2013-2014	11	0	18.5	85.0	125	01/17/13	31.8	122	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1990-2012	175	0	3.8	17.3	28.0	12/13/89	6.2	21.5	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2013-2014	11	0	3.7	15.5	25.6	01/17/13	7.5	24.7	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1990-2012	175	0	0.53	2.7	4.3	03/31/93	0.95	3.5	--	--	.	--	0.030	--
Potassium, in milligrams per liter	2013-2014	11	0	0.74	2.6	4.4	01/17/13	1.2	4.0	--	--	.	--	0.030	--
Sodium, in milligrams per liter	1990-2012	175	0	2.9	56.2	130	03/21/90	10.6	84.8	--	--	.	--	0.060	--
Sodium, in milligrams per liter	2013-2014	11	0	4.8	54.4	135	01/17/13	10.5	116	--	--	.	--	0.060	--
Acid neutralizing capacity, in milligrams per liter	1990-1999	42	0	47.0	125	169	12/13/89	57.5	138	--	--	.	--	--	--
Alkalinity, fixed endpoint titration, in milligrams per liter as calcium carbonate	1999-2004	57	0	47.1	132	166	02/19/03	69.4	145	--	--	.	--	2.0	--
Alkalinity, inflection-point titration in milligrams per liter as calcium carbonate	1995-2012	138	0	38.4	117	169	12/08/11	63.2	134	--	--	.	--	--	--

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

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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 as calcium carbonate	2013-2014	11	0	41.6	109	153	01/17/13	71.9	146	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	1995-2012	138	0	46.8	137	204	12/08/11	75.8	160	--	--	.	--	--	--
Bicarbonate, inflection-point titration in milligrams per liter	2013-2014	11	0	50.3	132	185	01/17/13	86.7	176	--	--	.	--	--	--
Carbonate, in milligrams per liter	1998-2012	95	0	0.10	1.9	13.2	09/19/00	0.60	5.5	--	--	.	--	--	--
Carbonate, in milligrams per liter	2013-2014	11	0	0.20	1.1	1.8	11/07/13	0.44	1.7	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2012	175	0	2.9	83.2	210	03/21/90	13.8	132	250	0	.	--	0.060	M
Chloride, in milligrams per liter	2013-2014	11	0	6.0	84.4	220	01/17/13	14.5	189	250	0	.	--	0.020	M
Fluoride, in milligrams per liter	1990-2012	175	34	0 *	0.13	0.30	03/21/90	0 *	0.18	2.0	0	.	--	0.040	L
Fluoride, in milligrams per liter	2013-2014	11	0	0.072	0.11	0.14	03/28/13	0.085	0.13	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1990-2012	175	0	3.2	6.6	10.0	01/25/02	4.9	7.9	--	--	.	--	0.018	--
Silica, in milligrams per liter	2013-2014	11	0	2.8	6.3	9.4	01/17/13	3.1	7.8	--	--	.	--	0.018	--
Sulfate, in milligrams per liter	1990-2012	175	0	17.8	170	320	12/13/89	36.3	215	250	6	.	--	0.090	M
Sulfate, in milligrams per liter	2013-2014	11	0	20.0	156	255	01/17/13	39.6	239	250	1	.	--	0.020	M
Ammonia plus organic nitrogen, in milligrams per liter as N	1990-2012	180	26	0 *	0.177	1.00	09/05/91	0.074	0.266	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, in milligrams per liter as N	2013-2014	11	0	0.112	0.171	0.315	04/23/14	0.116	0.293	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	1990-2012	180	15	0 *	0.244	7.02	09/09/03	0.165	0.531	--	--	--	--	0.070	--
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter as N	2013-2014	11	0	0.168	0.338	1.54	09/12/13	0.186	1.37	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	1991-2012	176	39	0 *	0.018	0.305	01/19/99	0 *	0.041	1.44	0	3.14	0	0.010	L
Ammonia, in milligrams per liter as N	2013-2014	11	1	0 *	0.016	0.132	01/17/13	0.008	0.054	1.86	0	4.15	0	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	1990-2012	180	0	0.040	0.441	1.82	01/27/04	0.144	1.02	10.0	0	--	--	0.010	L
Nitrite plus nitrate, in milligrams per liter as N	2013-2014	11	0	0.068	0.235	1.79	01/17/13	0.102	1.30	10.0	0	--	--	0.010	L
Nitrite, in milligrams per liter as N	1991-2012	175	31	0 *	0.006	0.065	11/12/02	0 *	0.020	0.05	3	--	--	0.0010	L
Nitrite, in milligrams per liter as N	2013-2014	11	1	0 *	0.004	0.029	01/17/13	0.002	0.016	0.05	0	--	--	0.0010	L
Orthophosphate, in milligrams per liter	1991-2012	176	13	0 *	0.092	0.584	01/11/10	0.022	0.309	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	2013-2014	11	0	0.013	0.053	0.562	01/17/13	0.016	0.350	--	--	--	--	--	--
Orthophosphate, in milligrams per liter as P	1991-2012	176	13	0 *	0.030	0.190	01/11/10	0.007	0.101	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2013-2014	11	0	0.004	0.017	0.183	01/17/13	0.005	0.114	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter as P	1990-2012	180	14	0 *	0.039	0.208	01/17/08	0.010	0.110	--	--	--	--	0.0030	--
Phosphorus, in milligrams per liter as P	2013-2014	11	0	0.007	0.022	0.186	01/17/13	0.007	0.121	--	--	--	--	0.0030	--
Phosphorus, unfiltered, in milligrams per liter as P	1990-2012	180	6	0 *	0.082	2.55	09/09/03	0.030	0.190	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter as P	2013-2014	11	0	0.023	0.107	0.840	09/12/13	0.036	0.635	--	--	--	--	0.0040	--
Escherichia coli, in colonies per 100 milliliters	2004-2012	50	4	1	12	410	07/26/07	--	10 **	126	1	--	--	1	L
Escherichia coli, in colonies per 100 milliliters	2013-2014	11	0	1	12	800	09/12/13	--	17 **	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	--	--	--	--	--	--

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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
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	--
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	1990-2012	96	57	0 *	0 *	4.0	03/21/90	0 *	0.034	1.0	1	4.8	0	0.016	L
Cadmium, in micrograms per liter	2013-2014	8	2	0 *	0.021	0.036	05/14/14	0 *	0.034	1.0	0	4.8	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	1990-2012	96	17	0 *	1.2	6.0	05/28/92	0 *	2.0	24.6	0	41.0	0	0.80	L
Copper, in micrograms per liter	2013-2014	8	2	0 *	0.96	2.0	05/14/14	0 *	1.7	24.6	0	41.0	0	0.80	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	2001-2012	44	0	54.7	281	6,452	04/15/03	82.4	2,038	1,000	11	.	--	4.6	L
Iron, unfiltered, in micrograms per liter	2013-2014	8	0	134	370	16,070	09/12/13	135	11,855	1,000	3	.	--	4.6	L
Lead, in micrograms per liter	1990-2012	95	48	0 *	0 *	3.0	03/31/93	0 *	0.15	8.9	0	228	0	0.025	L
Lead, in micrograms per liter	2013-2014	8	1	0 *	0.064	0.14	06/06/13	0.013	0.14	8.9	0	228	0	0.040	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	1990-2012	128	0	7.7	22.7	430	03/21/90	12.8	49.9	2,448	0	4,430	0	0.13	L
Manganese, in micrograms per liter	2013-2014	8	0	6.8	17.2	28.9	03/28/13	9.8	26.2	2,448	0	4,430	0	0.40	L
Manganese, unfiltered, in micrograms per liter	2001-2012	44	0	12.8	30.9	289	04/15/03	16.9	127	--	--	.	--	0.20	--
Manganese, unfiltered, in micrograms per liter	2013-2014	8	0	11.1	30.8	1,207	06/06/13	12.6	940	--	--	.	--	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	142	0	1,276	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	1990-2012	96	92	0 *	0 *	0.008	11/02/09	0 *	0 *	0.58	0	15.6	0	0.0050	L
Silver, in micrograms per liter	2013-2014	8	8	0 *	0 *	0 *	10/12/12	0 *	0 *	0.58	0	15.6	0	0.020	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	1990-2012	96	14	0 *	10.0	180	12/13/89	1.4	31.5	356	0	470	0	1.4	L
Zinc, in micrograms per liter	2013-2014	8	0	1.4	6.0	11.6	05/14/14	1.9	11.3	356	0	470	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

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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
Arsenic, in micrograms per liter	1990-2003	51	50	0 *	0 *	1.0	06/08/94	0 *	0 *	--	--	340	0	1.9	--
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	1990-2012	95	50	0 *	0 *	3.0	03/31/93	0 *	0.76	4.6	0	18.4	0	0.030	L
Selenium, in micrograms per liter	2013-2014	8	0	0.20	0.60	0.87	01/17/13	0.27	0.85	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	--
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	1995-2012	78	0	1	19	584	07/26/07	4	125	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2013-2014	11	0	6	10	994	09/12/13	7	594	--	--	--	--	1.0	--