

Animas River at Baker's Bridge				
Analyte	<i>Percent change in average from...</i>			
	Pre-Fire to Post-Fire	Pre-Fire to 2018 Post-Fire	Pre-Fire to 2019 Post-Fire	2018 Post-Fire to 2019 Post-Fire
	%	%	%	%
Aluminum, Filter .45	-28.14	-11.47	-37.03	-23.07
Aluminum, Unfiltered	-20.16	-38.83	-10.20	34.66
Ammonia, Unfiltered	-6.42		-6.42	
Arsenic, Filter .45	7.91		9.88	
Arsenic, Unfiltered	-9.08		-5.25	
Cadmium, Filter .45	55.86		72.74	
Cadmium, Unfiltered	34.98		38.51	
Calcium, Filter .45	-12.38		-24.26	
Calcium, Unfiltered	-34.47	-2.53	-47.25	-51.99
Copper, Filter .45	17.17		22.74	
Copper, Unfiltered	-19.85		-17.75	
Dissolved Organic Carbon				135
Iron, Filter .45	-50.18	-56.72	-46.68	3.79
Iron, Unfiltered	19.99	-51.46	58.10	187
Lead, Filter .45	11.17	-1.28	17.81	21.62
Lead, Unfiltered	19.01	-45.37	53.35	224
Magnesium, Filter .45	-9.86		-15.92	
Magnesium, Unfiltered	-7.65	-11.43	-6.14	-7.97
Manganese, Filter .45	-29.01	-6.43	-41.05	-50.30
Manganese, Unfiltered	-16.26	-19.77	-14.39	0.19
Mercury, Unfiltered	0.00		0.00	
Molybdenum, Filter .45	-53.89		-49.99	
Molybdenum, Unfiltered	-73.70		-73.30	
Nitrate/Nitrite as N, Unfiltered	-53.37	-55.53	-52.21	4.93
Phosphate (PO4), Unfiltered	-49.15		-49.15	
Phosphorus, Unfiltered	137	-65.65	232	507
Potassium, Filter .45	-0.30		-7.52	
Potassium, Unfiltered	-27.11		-30.59	
Selenium, Filter .45	4.51		5.36	
Selenium, Unfiltered	-7.90		-8.44	
Sulfate, Unfiltered	-19.43	51.93	-43.21	-68.89
Total Kjeldahl nitrogen, Unfiltered				
Total Nitrogen (calc), Unfiltered				48.72
Total Suspended Solids, Unfiltered	79.44		87.53	
Zinc, Filter .45	-8.98		-27.73	
Zinc, Unfiltered	-4.09		-16.08	

Red font indicates increase; green font indicates decrease; blanks indicate insufficient data preventing assessment

Hermosa Creek above CR 203

Analyte	Percent change in average from...			
	Pre-Fire to Post-Fire	Pre-Fire to 2018 Post-Fire	Pre-Fire to 2019 Post-Fire	2018 Post-Fire to 2019 Post-Fire
	%	%	%	%
Aluminum, Filter .45	183	320	73.36	-49.12
Aluminum, Unfiltered	260,062	420,282	121,205	-57.01
Ammonia, Unfiltered	423		390	
Arsenic, Filter .45	51.27		63.32	
Arsenic, Unfiltered	193		223	
Cadmium, Filter .45	0.00		0.00	
Cadmium, Unfiltered	297		317	
Calcium, Filter .45	-11.43		-19.39	
Calcium, Unfiltered	517	1,246	-17.82	-93.48
Copper, Filter .45	0.00	0.00	0.00	0.00
Copper, Unfiltered	523		389	
Dissolved Organic Carbon				-75.45
Iron, Filter .45	93.77	129	65.26	-13.45
Iron, Unfiltered	317,043	486,680	170,025	-48.02
Lead, Filter .45	10.18	0.00	19.01	12.06
Lead, Unfiltered	11,836	18,469	6,088	-50.84
Magnesium, Filter .45	-14.79		-21.87	
Magnesium, Unfiltered	1,043	2,497	-23.82	-96.98
Manganese, Filter .45	4,560	9,400	366	-94.62
Manganese, Unfiltered	186,130	315,190	74,278	-65.43
Mercury, Unfiltered				-92.58
Molybdenum, Filter .45				
Molybdenum, Unfiltered				
Nitrate/Nitrite as N, Unfiltered	55.58	-35.04	128	86.92
Phosphate (PO4), Unfiltered				-99.47
Phosphorus, Unfiltered	77,623	97,796	62,829	-4.54
Potassium, Filter .45	180		137	
Potassium, Unfiltered	112		118	
Selenium, Filter .45	9.36		11.86	
Selenium, Unfiltered	19.09		8.54	
Sulfate, Unfiltered	-18.86	46.76	-40.74	-54.97
Total Kjeldahl nitrogen, Unfiltered				-69.57
Total Nitrogen (calc), Unfiltered				-55.87
Total Suspended Solids, Unfiltered	123,843		132,655	
Zinc, Filter .45	669	1,122	518	-33.90
Zinc, Unfiltered	2,712		1,859	

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Animas River at Trimble

Analyte	Percent change in average from...			
	Pre-Fire to Post-Fire	Pre-Fire to 2018 Post-Fire	Pre-Fire to 2019 Post-Fire	2018 Post-Fire to 2019 Post-Fire
	%	%	%	%
Aluminum, Filter .45	-48.57		-56.85	
Aluminum, Unfiltered	561		610	
Ammonia, Unfiltered	1,167		1,167	
Arsenic, Filter .45	6.99		6.99	
Arsenic, Unfiltered	13.44		13.44	
Cadmium, Filter .45	3.77		3.77	
Cadmium, Unfiltered	48.79		48.79	
Calcium, Filter .45	-23.07		-23.07	
Calcium, Unfiltered	-25.03		-31.27	
Copper, Filter .45	-9.84		-9.84	
Copper, Unfiltered	24.70		24.70	
Dissolved Organic Carbon				
Iron, Filter .45	-45.26		-43.42	
Iron, Unfiltered	385		431	
Lead, Filter .45	-6.84		-2.37	
Lead, Unfiltered	104		129	
Magnesium, Filter .45	-27.43		-27.43	
Magnesium, Unfiltered	-26.54		-30.31	
Manganese, Filter .45	-31.10		-30.60	
Manganese, Unfiltered	48.42		62.03	
Mercury, Unfiltered				
Molybdenum, Filter .45				
Molybdenum, Unfiltered				
Nitrate/Nitrite as N, Unfiltered	9.29		26.50	
Phosphate (PO4), Unfiltered				
Phosphorus, Unfiltered	1,446		1,634	
Potassium, Filter .45	-36.21		-36.21	
Potassium, Unfiltered	-40.72		-40.72	
Selenium, Filter .45	-5.28		-5.28	
Selenium, Unfiltered	-4.58		-4.58	
Sulfate, Unfiltered	-37.29		-37.29	
Total Kjeldahl nitrogen, Unfiltered				
Total Nitrogen (calc), Unfiltered				
Total Suspended Solids, Unfiltered	2,295		2,295	
Zinc, Filter .45	-20.44		-20.44	
Zinc, Unfiltered	5.38		5.38	

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Animas River at Rotary Park

Analyte	Percent change in average from...			
	Pre-Fire to Post-Fire	Pre-Fire to 2018 Post-Fire	Pre-Fire to 2019 Post-Fire	2018 Post-Fire to 2019 Post-Fire
	%	%	%	%
Aluminum, Filter .45	432	314	542	133
Aluminum, Unfiltered	7,198	12,041	2,356	-71.54
Ammonia, Unfiltered	1,337		65.79	
Arsenic, Filter .45	9.16		12.75	
Arsenic, Unfiltered	59.01		77.30	
Cadmium, Filter .45	4.09		5.45	
Cadmium, Unfiltered	72.32		77.53	
Calcium, Filter .45	-12.33		-27.12	
Calcium, Unfiltered	105	244	-26.09	-79.94
Copper, Filter .45	-8.10		-8.10	
Copper, Unfiltered	90.21		99.65	
Dissolved Organic Carbon				-70.52
Iron, Filter .45	254	132	368	192
Iron, Unfiltered	2,043	3,391	605	-72.29
Lead, Filter .45	5.78	2.61	8.95	0.43
Lead, Unfiltered	251	451	37.01	-68.73
Magnesium, Filter .45	-18.06		-31.52	
Magnesium, Unfiltered	215	471	-23.92	-87.59
Manganese, Filter .45	119	202	36.82	-68.81
Manganese, Unfiltered	1,247	1,989	504	-65.86
Mercury, Unfiltered	70.11	136	-2.19	-58.62
Molybdenum, Filter .45	16.70		1.62	
Molybdenum, Unfiltered	-16.25	-6.14	-16.92	
Nitrate/Nitrite as N, Unfiltered	-3.80	-32.90	25.30	-16.24
Phosphate (PO4), Unfiltered	9,102	26,336	-89.86	-99.96
Phosphorus, Unfiltered	8,477	15,644	2,266	-80.17
Potassium, Filter .45	-6.65		-34.12	
Potassium, Unfiltered	-17.59		-22.92	
Selenium, Filter .45	8.44		11.54	
Selenium, Unfiltered	-2.21		-2.85	
Sulfate, Unfiltered	8.64	82.21	-15.88	-51.77
Total Kjeldahl nitrogen, Unfiltered	1,742	3,504	450	-80.45
Total Nitrogen (calc), Unfiltered	1,301	2,198	404	-73.09
Total Suspended Solids, Unfiltered	766		827	
Zinc, Filter .45	81.57		49.24	
Zinc, Unfiltered	162		152	

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Junction Creek at Coloardo Trailhead

Analyte	Percent change in average from...			
	Pre-Fire to Post-Fire	Pre-Fire to 2018 Post-Fire	Pre-Fire to 2019 Post-Fire	2018 Post-Fire to 2019 Post-Fire
	%	%	%	%
Aluminum, Filter .45	17.49		17.49	
Aluminum, Unfiltered	-11.80		-11.80	
Ammonia, Unfiltered	0.00		0.00	
Arsenic, Filter .45	20.89		20.89	
Arsenic, Unfiltered	22.88		22.88	
Cadmium, Filter .45	5.53		5.53	
Cadmium, Unfiltered	1.60		1.60	
Calcium, Filter .45	-16.02		-16.02	
Calcium, Unfiltered	-6.49		-6.49	
Copper, Filter .45	0.00		0.00	
Copper, Unfiltered	-4.74		-4.74	
Dissolved Organic Carbon				
Iron, Filter .45	-17.96		-17.96	
Iron, Unfiltered	-20.86		-20.86	
Lead, Filter .45	14.57		14.57	
Lead, Unfiltered	6.52		6.52	
Magnesium, Filter .45	-20.92		-20.92	
Magnesium, Unfiltered	-11.60		-11.60	
Manganese, Filter .45	-8.61		-8.61	
Manganese, Unfiltered	31.16		31.16	
Mercury, Unfiltered				
Molybdenum, Filter .45				
Molybdenum, Unfiltered				
Nitrate/Nitrite as N, Unfiltered				
Phosphate (PO4), Unfiltered				
Phosphorus, Unfiltered	285		285	
Potassium, Filter .45	-8.79		-8.79	
Potassium, Unfiltered	-15.05		-15.05	
Selenium, Filter .45	8.32		8.32	
Selenium, Unfiltered	17.23		17.23	
Sulfate, Unfiltered	-1.69		-1.69	
Total Kjeldahl nitrogen, Unfiltered				
Total Nitrogen (calc), Unfiltered				
Total Suspended Solids, Unfiltered	329		329	
Zinc, Filter .45	882		882	
Zinc, Unfiltered	7.78		7.78	

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