SJ Monitoring Sampling All Dates

Dissolved

DISSOLVED

Location	Storet Name	Order	Distance	Lat
A68	9488	1		37.8112000
A68	9488	1		37.8112000
Animas above cement	9488	1		37.8112020
Animas above cement	9488	1		37.8112020
Animas above cement	9488	1		37.8112020
Animas above cement	9488	1		37.8112020
Mineral Cr	9447	2		37.8028200
Mineral Creek	9447	2		37.8028000
Mineral Creek	9447	2		37.8028000
Cement Cr	CEM49	3		37.8185900
Cement Creek	CEM49	3		37.8199840
Cement Creek	CEM49	3		37.8199840
Animas River below Silverton, CO	82	4	16.4	37.790270
A72	82	4	16.4	37.7897672
Animas below Silverton	82	4	16.4	37.7902700
Animas below Silverton	82	4	16.4	37.7902700
Animas River at Bakers Bridge	81	5	68.0	37.458440
Bakers_Bridge	81	5	68.0	37.8028200
Animas Bakers Bridge	81	5	68.0	37.4584400
Animas Bakers Bridge	81	5	68.0	37.4584400
Rotary_Park	9423A	6	95.8	37.2747800
Animas at Rotary Park	9423A	6	95.8	37.2745633
Animas at Rotary Park	9423A	6	95.8	37.2745633
Animas at Rotary Park	9423A	6	95.8	37.2745633
AR 19-3	AR19-3	7	104.2	37.2215420
Animas Suit 19-3	AR19-3	7	104.2	37.2138420
Animas Suit 19-3	AR19-3	7	104.2	37.2138420
Animas Suit 19-3	AR19-3	7	104.2	37.2138420
NAR06	NAR6	8	131.5	37.0234200
Animas Southern Ute	NAR6	8	131.5	37.0234200
Animas Southern Ute	NAR6	8	131.5	37.0234200
Animas Southern Ute	NAR6	8	131.5	37.0234200
Animas River below CO state line	66Animas057.0	9	135.7	36.989747
AR_NM _Border	66Animas057.0	9	135.7	36.9832630
Animas NM Border	66Animas057.0	9	135.7	36.9832630
Animas NM Border	66Animas057.0	9	135.7	36.9832630
Animas NM Border	66Animas057.0	9	135.7	36.9832630
Animas River at Cedar Hill, NM	ADW-022	10	147.5	36 55'59.9"
AR _Cedar_Hill	ADW-022	10	147.5	36.9333000
Animas Cedar Hill	ADW-022	10	147.5	36.9333000
Animas Cedar Hill	ADW-022	10	147.5	36.9333000
Animas Cedar Hill	ADW-022	10	147.5	36.9333000
AR_Aztec	66Animas028.1	11	164.1	36.8294900
Animas at Aztec	66Animas028.1	11	164.1	36.8294900
Animas at Aztec	66Animas028.1	11	164.1	36.8294900
Animas at Aztec	66Animas028.1	11	164.1	36.8294900
AR_Above Farm	66Animas009.8	12	181.7	36.7502310
Animas above Farmington	66Animas009.8	12	181.7	36.7502310
Animas above Farmington	66Animas009.8	12	181.7	36.7502310

	43775.00		Metals in Water by ICP-AES	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP-AES	Metals in Water by ICP/MS
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
Long	Date	Date:time	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium
-107.6590000	11/06/2018	11/6/18 10:45	95.1	0.22	0.22	22.5	0.13	1.3	62.1	1.1
-107.6590000	11/06/2018	11/6/18 10:45	97.7	0.22	0.22	22.3	0.13	1.3	62.5	1.1
-107.6590000	05/14/2019	5/14/19 10:00	100	2	1	20	3	1.5	30.8	15
-107.6590000	05/14/2019	5/14/19 10:05	62	2	1	19	3	1.4	31.2	15
-107.6590000	06/05/2019	6/5/19 10:45	88	2	1	17	3	1.2	24.1	15
-107.6590000	06/05/2019	6/5/19 10:50	89	2	1	18	3	1.2	24	15
-107.6728217	11/06/2018	11/6/18 12:20	684	0.22	0.22	24.5	0.13	0.83	81.2	1.1
-107.6728217	05/14/2019	5/14/19 10:45	230	2	1	24	3	0.74	34.8	15
-107.6728217	06/05/2019	6/5/19 11:00	198	2	1	21	3	0.45	26.1	15
-107.6616700	11/06/2018	11/6/18 9:30	6850	0.22	2	10.7	0.84	3.4	208	1.1
-107.6616700	05/14/2019	5/14/19 9:00	2700	2	1	18	3	3	50.2	15
-107.6616700	06/05/2019	6/5/19 10:00	1800	2	1	20	3	2.6	34.5	15
-107.667578	10/03/2018	10/2/18 10:20	445	0.29	0.22	24.3	0.14	1.4	91	1.1
-107.6675452	11/06/2018	11/6/18 13:30	591	0.22	0.22	20.3	0.13	1.4	98.8	1.1
-107.6675452	05/14/2019	5/14/19 11:30	302	2	1	20	3	1.4	38.8	15
-107.6675452	06/04/2019	6/4/19 11:45	147	2	1	18	3	1.1	26.9	15
-107.799757	10/02/2018	10/2/18 18:50	21.3	0.22	0.22	32.8	0.13	0.55	72.6	1.1
-107.6728217	11/06/2018	11/6/18 15:15	455	0.22	0.26	31.8	0.13	0.53	54	1.1
-107.6728217	05/14/2019	5/14/19 13:20	143	2	1	33	3	0.26	26.7	15
-107.6728217	06/04/2019	6/4/19 18:00	53	2	1	23	3	0.18	20.2	15
-107.8843300	11/05/2018	11/5/18 15:30	19.3	0.22	0.49	61.3	0.13	0.12	85	1.1
-107.8842733	95.77	3/9/19 14:00	50	2	1	63	3	0.12	96.3	15
-107.8843300	05/13/2019	5/13/19 18:15	62	2	1	64	3	0.12	41.7	15
-107.8843300	06/04/2019	6/4/19 17:15	50	2	1	39	3	0.12	27.1	15
-107.8594550	11/07/2018	11/7/18 15:50	23	0.22	0.51	53.7	0.13	0.12	83	1.1
-107.8541610	104.17	3/9/19 12:45	50	2	1	61	3	0.12	91.6	15
-107.8594550	05/14/2019	5/14/19 15:40	74	2	1	57	3	0.12	35.9	15
-107.8594550	06/04/2019	6/4/19 15:15	101	2	1	40	3	0.12	27.4	15
-107.8738700	11/07/2018	11/7/18 8:40	51	0.22	0.44	72.2	0.13	0.12	81.8	1.1
-107.8738700	131.48	3/8/19 8:30	153	2	1	258	3	0.12	81.2	15
-107.8738700	05/15/2019	5/15/19 8:35	92	2	1	61	3	0.12	37.4	15
-107.8738700	06/05/2019	6/5/19 14:15	96	2	1	46	3	0.12	30.1	15
-107.867585	10/02/2018	10/2/18 20:00	9.1	0.22	0.93	98.1	0.13	0.12	98.3	1.6
-107.8675800	11/07/2018	11/7/18 10:05	9.9	0.22	0.45	74.4	0.13	0.12	82.2	1.1
-107.8675800	135.74	3/9/19 11:30	779	2	1	278	3	0.14	82.8	15
-107.8675800	05/15/2019	5/15/19 10:40	190	2.0	1	66	3	0.12	37.7	15
-107.8675800	06/05/2019	6/5/19 15:00	53	2	1	46	3	0.12	30	15
107 54'32.7"	10/02/2018	10/2/18 18:50	13.1	0.27	0.94	102	0.13	0.12	94.4	1.1
-107.9090700	11/07/2018	11/7/18 11:00	9.4	0.22	0.48	77.7	0.13	0.12	83	1.1
-107.9090700	147.54	3/9/19 10:45	1080	2	1	300	3	0.12	79.8	15
-107.9090700	05/15/2019	5/15/19 11:40	50	2	1	62	3	0.12	37.4	15
-107.9090700	06/05/2019	6/5/19 15:30	114	2	1	40	3	0.12	28.9	15
-107.9976630	11/07/2018	11/7/18 11:45	14.2	0.22	0.5	73.9	0.13	0.12	91.1	1.1
-107.9976630	164.09	3/9/19 10:00	1230	2	1.3	297	3	0.21	81	15
-107.9976630	05/15/2019	5/15/19 12:30	60	2	1	61	3	0.12	38.1	15
-107.9976630	06/05/2019	6/5/19 16:00	164	2	1	51	3	0.12	31.7	15
-108.1469820	11/07/2018	11/7/18 13:20	13	0.22	0.53	70.5	0.13	0.12	103	1.1
-108.1469820	181.73	3/9/19 9:15	515	2	1	227	3	0.12	93.2	15
-108.1469820	05/15/2019	5/15/19 13:45	122	2	1	66	3	0.12	40.4	15

Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP-AES	Metals in Water by ICP/MS	Metals in Water by ICP-AES	Metals in Water by ICP/MS	Mercury in Water	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP-AES	Metals in Water by ICP/MS	Metals in Water by ICP/MS
ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L
Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver
0.62	4.4	120	1	3.64	1620	0.079	1.3	1.7	0.801	0.41	0.45
0.62	4.6	124	1.1	3.59	1590	0.079	1.5	1.6	0.869	0.41	0.45
10	10.1	62	1	2.21	789	0.25	5	789	0.835	0.41	0.45
10	9.3	50	1	2.18	783	0.25	5	783	0.566	0.41	0.45
10	11.3	82	4	1.71	441	0.25	5	20	1.03	0.41	0.45
10	11.5	93	4.6	1.66	447	0.25	5	20	0.802	0.41	0.45
7.3	7.2	4010	0.56	6.05	340	0.079	0.18	3.8	0.925	0.41	0.45
10	4.3	1110	1.4	2.88	177	0.25	5	177	0.497	0.41	0.45
10	4.3	544	1.5	2.09	110	0.25	5	20	0.654	0.41	0.45
21.6	30	14600	8.5	11.1	4330	0.079	0.18	17.5	2.25	0.41	0.45
10	62.5	5270	9.6	3.82	1470	0.25	5	1470	0.727	0.41	0.45
10	60	5110	8.2	2.72	1040	0.25	5	20	0.819	0.41	0.45
7.2	10.7	1990	2.5	6.17	1400	0.079	0.18	6.5	1.21	0.41	0.45
7.2	8.2	3460	1.6	6.26	1410	0.079	0.18	5.6	1.18	0.41	0.45
10	12.6	1320	2.8	2.89	718	0.25	5	718	0.54	0.41	0.45
10	9.8	604	2.2	2.03	386	0.25	5	20	0.646	0.41	0.45
2	0.73	8	0.35	6.54	454	0.079	0.19	3.8	1.25	0.41	0.45
2.1	2	479	0.61	5.4	457	0.079	0.18	2.2	1.07	0.41	0.45
10	4.2	228	1	4.03	187	0.25	5	187	0.676	0.41	0.45
10	3.6	50	1	2.97	94	0.25	5	20	0.802	0.41	0.45
0.62	0.96	14	0.35	11.6	199	0.0854	0.53	1.7	3.66	0.41	0.45
10	0.66	50	1	16.5	258	0.25	5	20	3.46	1.6	0.45
10	1.9	63	1	6	66	0.25	5	66	1.04	0.41	0.45
10	2.7	50	1	3.52	59	0.25	5	20	1.14	0.41	0.45
0.62	0.66	8	0.35	12	133	0.0811	0.66	1.4	3.76	0.41	0.45
10	0.73	50	1	17.4	188	0.302	5	20	3.44	1.7	0.45
10	1.9	81	1.5	5.22	67	0.25	5	67	1.1	0.41	0.45
10	2.8	152	1.4	3.53	78	0.25	5	20	1.27	0.42	0.45
0.62	0.77	51	0.35	12.4	67.8	0.079	0.7	1.4	3.39	0.42	0.45
10	1.9	101	1	13.9	81	0.25	5	20	3.48	4.1	0.45
10	1.7	98	1	5.47	52	0.25	5	52	0.941	0.41	0.45
10	2.5	132	1.6	3.96	57	0.25	5	20	0.966	0.41	0.45
0.62	0.82	32	0.35	19	53.6	0.173	2.4	3.1	5.74	0.92	0.45
0.62	0.66	13	0.35	12.4	64.7	0.12	0.84	1.4	3.44	0.47	0.45
10	5.5	718	4.3	13.8	230	0.25	5	20	3.6	3.3	0.45
10	2.6	242	2.1	5.48	80	0.25	5	80	0.995	0.41	0.45
10	2.6	57	1	4.03	42	0.25	5	20	0.988	0.41	0.45
0.62	0.94	9	0.35	19.3	49.8	0.079	2.4	2.7	5.37	0.91	0.45
0.62	0.66	8	0.35	13	51.5	0.079	0.92	1.5	3.47	0.58	0.45
10	9.5	871	5.8	12.1	289	0.25	5	20	3.74	3.9	0.45
10	1.4	50	1	5.56	45	0.25	5	45	1	0.41	0.45
10	2.4	111	1.1	3.76	38	0.25	5	20	1.58	0.41	0.45
0.62	0.66	18	0.35	14	50.3	0.079	0.82	1.6	3.46	0.54	0.45
10	16.9	749	10.1	12.4	423	0.25	5	20	3.69	5.2	0.45
10	1.6	50	1	5.6	36	0.25	5	36	0.918	0.41	0.45
10	3.1	237	3.4	4.11	68	0.25	5	20	1.1	0.41	0.45
0.62	0.75	13	0.35	15.1	33.3	0.141	1.1	2.5	3.45	0.6	0.45
10	3.9	473	3.1	14.9	130	0.25	5	20	3.48	3.3	0.45
10	2	120	1	5.8	44	0.25	5	44	1.09	0.41	0.45

Metals in Water by ICP-AES	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS	Metals in Water by ICP/MS
mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Sodium	Thallium	Vanadium	Zinc	Strontium	Uranium
2.58	0.17	0.23	473	580	1
2.6	0.17	0.23	465	570	0.5
1.7	1	1	484	260	0.4
1.53	1	1	475	260	0.4
1.52	1	1	348	230	0.4
1.36	1	1	346	230	0.4
3.9	0.17	0.23	186	680	1
3.05	1	1	204	310	0.4
2.17	1	1	113	250	0.4
4.76	0.3	0.5	1770	2200	1
1.8	1	1	1020	540	0.4
1.47	1	1	786	400	0.4
1.21	0.17	0.23	491	930	0.4
3.8	0.17	0.23	567	860	1
2.21	1	1	476	340	0.4
1.65	1	1	320	270	0.4
1.25	0.17	0.23	188	800	0.4
2.66	0.17	0.23	208	440	1
2.04	1	1	96	170	0.4
1.44	1	1	49	150	0.4
19.5	0.17	0.27	23.1	870	0.9
19.1	1	1	48	1200	1.6
4.52	1	1	42	320	0.8
2.38	1	1	25	220	0.4
20	0.17	0.4	8.3	820	0.9
21.4	1	1	32	840	1.4
3.89	1	1	33	270	0.7
2.53	1	1	34	210	0.4
21.4	0.17	0.43	7.5	820	1.4
31.4	1	1	25	1300	2.3
4.34	1	1	31	310	0.9
3.19	1	1	32	250	0.7
5.74	0.17	0.91	3	1500	2.9
21.8	0.17	0.4	2.4	830	1.2
30.5	1	2.6	54	1300	2.6
4.36	1	1	42	290	0.9
3.32	1	1	27	280	0.6
5.37	0.17	0.88	3.1	1600	3.2
22.4	0.17	0.47	2.6	850	1.3
36.7	1	3.7	48	1500	3.2
4.69	1	1	27	330	0.9
5.78	1	1	26	260	0.5
26.4	0.17	0.47	1.5	930	1.5
39.4	1	8	65	1500	4.1
4.92	1	1	25	320	0.9
3.57	1	1	40	270	0.6
32.9	0.17	0.54	1.5	1200	1.9
35.4	1	2.5	43	1600	3
6.07	1	1	34	330	0.9

Animas above Farmington	66Animas009.8	12	181.7	36.7502310
AR_Boyd_Park	66Animas001.7	13	181.7	36.7230300
Animas Boyd Park	66Animas001.7	13	189.4	36.7230300
Animas Boyd Park	66Animas001.7	13	189.4	36.7230300
Animas Boyd Park	66Animas001.7	13	189.4	36.7230300
Gallegos Canyon	64Galleg000.4	14		36.6958660
Gallegos Canyon	64Galleg000.4	14		36.6958660
Gallegos Canyon	64Galleg000.4	14		36.6958660
Gallegos Canyon	64Galleg000.4	14		36.6958660
SJ above Animas	64SanJua101.6	15		36.7109140
San Juan River above Animas	64SanJua101.6	15		36.7109140
San Juan River above Animas	64SanJua101.6	15		36.7109140
San Juan River above Animas	64SanJua101.6	15		36.7109140
LV Intake	66SanJua100.2	16	196.1	36.7304460
Lower Valley water users association, in take sampling location	66SanJua100.2	16	196.1	36.7305560
Lower Valley water users association, in take sampling location	66SanJua100.2	16	196.1	36.7305560
Lower Valley water users association, in take sampling location	66SanJua100.2	16	196.1	36.7305560
SJ below Animas	67SanJua096.3	17	196.9	36.7358870
SJ below Animas	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870
San Juan @ Lions Park	67SanJua088.1	18	204.4	36.7221360
San Juan @ Lions Park	67SanJua088.1	18	204.4	36.7221360
San Juan @ Lions Park	67SanJua088.1	18	204.4	36.7221360
San Juan @ Lions Park	67SanJua088.1	18	204.4	36.7221360
LaPlata_at_LaPlata	67LaPlat024.8	19	Trib	36.9289000
La Plata River @ La Plata NM	67LaPlat024.8	19	Trib	36.8278120
La Plata River @ La Plata NM	67LaPlat024.8	19	Trib	36.8278120
La Plata River @ La Plata NM	67LaPlat024.8	19	Trib	36.8278120
La Plata_at_Farm	67LaPlat002.3	20	Trib	36.7525200
La Plata River @ Farmington City Park	67LaPlat002.3	20	Trib	36.7377330
La Plata River @ Farmington City Park	67LaPlat002.3	20	Trib	36.7377330
La Plata River @ Farmington City Park	67LaPlat002.3	20	Trib	36.7377330
Fruitland Canal	10FRUCANAL40	21	Canal	
Fruitland Canal @ first bridge downstream from headgate	10FRUCANAL40	21	Canal	36.7308200
Fruitland Canal @ first bridge downstream from headgate	10FRUCANAL40	21	Canal	36.7308200
Fruitland Canal @ first bridge downstream from headgate	10FRUCANAL40	21	Canal	36.7308200
Stevens_Arroyo	67Steven000.7	22	Trib	36.7441150
Stevens Arroyo	67Steven000.7	22	Trib	36.7441150
Stevens Arroyo	67Steven000.7	22	Trib	36.7441150
Stevens Arroyo	67Steven000.7	22	Trib	36.7441150
SJ_above_PMN_fishpassage	10SANJUANR38	23	214.4	36.7482000
San Juan River upstream from PNM fish passage	10SANJUANR38	23	214.4	36.7482000
San Juan River upstream from PNM fish passage	10SANJUANR38	23	214.4	36.7482000
San Juan River upstream from PNM fish passage	10SANJUANR38	23	214.4	36.7482000
SJ_botHogback_fishpassage	10SANJUANR25	24	227.6	36.7454628
San Juan River @ the bottom of the hogback fish passage	10SANJUANR25	24	227.6	36.7454628
San Juan River @ the bottom of the hogback fish passage	10SANJUANR25	24	227.6	36.7454628
San Juan River @ the bottom of the hogback fish passage	10SANJUANR25	24	227.6	36.7454628
Hogback_Canal	10HOGBACKC92	25	Canal	
Hogback Canal between head gate and first waste way	10HOGBACKC92	25	Canal	36.7463200
Hogback Canal between head gate and first waste way	10HOGBACKC92	25	Canal	36.7463200
Chaco River near Shiprock, NM	06CHACORIV04	26	Trib	36.766740

-108.1469820	06/05/2019	6/5/19 16:30	101	2	1	49	3	0.12	31.4	15
-108.2016110	11/07/2018	11/7/18 14:10	4	0.22	0.57	68.1	0.13	0.12	102	1.1
-108.2016110	189.39	3/9/19 8:30	108	2	1	208	3	0.12	90.5	15
-108.2016110	05/15/2019	5/15/19 14:35	90	2	1	65	3	0.12	40	15
-108.2016110	06/06/2019	6/6/19 9:15	118	2	1	50	3	0.12	33.2	15
-108.1125000	11/15/2018	11/15/18 8:45	23.2	0.22	1.2	44.9	0.13	0.12	211	1.2
-108.1125000	178.30	3/8/19 14:00	2420	2	2.4	142	3	0.12	212	15
-108.1125000	05/15/2019	5/15/19 15:55	682	2	1.6	51	3	0.12	170	15
-108.1125000	06/06/2019	6/6/19 8:15	81	2	1.3	39	3	0.12	118	15
-108.2181920	11/15/2018	11/15/18 10:00	29	0.22	0.71	59.1	0.13	0.12	50	1.1
-108.2181920	189.00	3/8/19 13:00	289	2	1	92	3	0.12	61.2	15
-108.2181920	05/14/2019	5/14/19 17:30	237	2	1.2	77	3	0.12	50.4	15
-108.2181920	06/06/2019	6/6/19 9:45	339	2	1.1	83	3	0.12	33.9	15
-108.2510460	11/15/2018	11/15/18 11:50	1.7	0.22	0.68	61	0.13	0.12	72.9	1.1
-108.2510460	196.05	3/8/19 10:45	304	2	1	144	3	0.12	81.1	15
-108.2510460	05/13/2019	5/13/19 19:40	125	2	1	87	3	0.12	50.3	15
-108.2510460	06/06/2019	6/6/19 11:45	264	2	1.3	51	3	0.12	43.9	15
-108.2539868	11/15/2018	11/15/18 10:55	1.7	0.22	0.63	59.4	0.13	0.12	72.6	1.1
-108.2539868	11/15/2018	11/15/18 11:00	1.7	0.22	0.62	64.3	0.13	0.12	71.9	1.1
-108.2539868	196.87	3/8/19 12:00	899	2	1	173	3	0.12	86	15
-108.2539868	196.87	3/8/19 12:00	607	2	1	160	3	0.12	84.3	15
-108.2539868	05/14/2019	5/14/19 16:45	154	2	1	78	3	0.12	47.5	15
-108.2539868	05/14/2019	5/14/19 16:50	176	2	1	78	3	0.12	48.3	15
-108.2539868	06/06/2019	6/6/19 11:00	50	2	1	58	3	0.12	33.3	15
-108.2539868	06/06/2019	6/6/19 11:00	50	2	1	57	3	0.12	33.3	15
-108.3256190	11/14/2018	11/15/18 16:30	1.7	0.22	0.63	60.1	0.13	0.12	74.7	1.1
-108.3256190	204.43	3/7/19 16:45	2110	2	1	203	3	0.14	95.8	15
-108.3256190	05/14/2019	5/14/19 14:40	80	2	1	77	3	0.12	49.2	15
-108.3256190	06/07/2019	6/7/19 16:15	146	2	1	66	3	0.12	33.3	15
-108.1846980	11/15/2018	11/15/18 13:50	6.9	0.22	0.9	39	0.13	0.12	167	1.4
-108.2207220	Trib	3/8/19 9:30	50	2	1	46	3	0.12	220	15
-108.2207220	05/13/2019	5/13/19 18:00	108	2	1.2	65	3	0.12	266	15
-108.2207220	06/06/2019	6/6/19 13:15	106	2	1	45	3	0.12	66.8	15
-108.2404700	11/15/2018	11/15/18 13:00	78.3	0.22	2.5	14.8	0.13	0.12	355	1.4
-108.2502330	196.70	3/8/19 10:15	103	2	1.2	250	3	0.12	225	15
-108.2502330	05/13/2019	5/13/19 19:00	50	2	1.3	101	3	0.12	278	15
-108.2502330	06/06/2019	6/6/19 12:45	206	2	1	60	3	0.12	87.3	15
	11/15/2018	11/15/18 10:30	2.5	0.22	0.62	61.1	0.13	0.12	74.1	1.1
-108.2560200	195.57	3/8/19 11:30	119	2	1	134	3	0.12	81.5	15
-108.2560200	05/14/2019	5/14/19 16:00	123	2	1	76	3	0.12	47.9	15
-108.2560200	06/06/2019	6/6/19 10:15	250	2	1	71	3	0.12	34.4	15
-108.4002450	11/14/2018	11/14/18 16:00	4.6	0.22	0.58	65.4	0.13	0.12	92.4	1.1
-108.4002450	Trib	3/7/19 15:30	50	2	1	46	3	0.12	207	15
-108.4002450	05/14/2019	5/14/19 13:00	170	2	1	88	3	0.12	54.1	15
-108.4002450	06/07/2019	6/7/19 15:00	50	2	1	49	3	0.12	34.4	15
-108.4116300	11/14/2018	11/14/18 15:30	517	0.22	1	116	0.13	0.12	75.2	1.1
-108.4116300	3/7/2019	3/7/19 16:00	3230	2	1	224	3	0.21	99.6	15
-108.4116300	05/14/2019	5/14/19 13:30	50	2	1	76	3	0.12	50.8	15
-108.4116300	06/07/2019	6/7/19 15:20	543	2	1	88	3	0.12	35.6	15
-108.5378488	11/14/2018	11/14/18 13:15	1.7	0.22	3.9	70.1	0.13	0.12	163	1.1
-108.5378488	227.63	3/7/19 14:50	233	2	1	120	3	0.12	82.2	15
-108.5378488	05/14/2019	5/14/19 11:20	50	2	1	79	3	0.12	53.5	15
-108.5378488	06/06/2019	6/6/19 21:00	50	2	1	64	3	0.12	35.9	15
	11/14/2018	11/14/18 13:45	1.7	0.22	0.7	63.8	0.13	0.12	68.6	1.1
	05/14/2019	5/14/19 12:00	87	2	1	81	3	0.12	52.8	15
	06/06/2019	6/6/19 20:30	50	2	1	64	3	0.12	36.1	15
-108.64370	10/08/2018	10/8/18 17:05	7.4	0.29	2	108	0.13	0.12	41.3	3.8

10	2.5	152	2.1	4.23	49	0.25	5	20	1.05	0.42	0.45
0.62	0.66	8	0.35	15.6	33.7	0.079	0.87	3	3.48	0.61	0.45
10	4.9	59	1	14.6	31	0.25	5	20	3.42	3.3	0.45
10	1.7	78	1	5.85	35	0.25	5	35	0.961	0.41	0.45
10	2.9	161	2.4	4.44	48	0.25	5	20	1.03	0.41	0.45
0.62	3.5	15	0.35	30.7	2.1	0.079	7.7	6	3.14	15.4	0.45
10	11.4	1880	6.7	29.2	214	0.25	5	20	4.61	16.2	0.45
10	5	479	1.1	30.8	36	0.25	8.1	36	4.22	11.7	0.45
10	2.7	61	1	23.5	9	0.25	7.9	20	2.48	8.3	0.45
0.62	1.2	40	0.35	7.72	15.2	0.079	0.18	3.1	2.18	0.42	0.45
10	2.4	148	1	8.86	42	0.25	5	20	2.6	0.91	0.45
10	1.8	248	1	8.46	468	0.25	5	468	2.63	0.99	0.45
10	1.9	377	1	5.92	90	0.25	5	20	2.67	1	0.45
0.62	0.81	9	0.35	11.2	25.7	0.079	0.27	2.2	2.78	0.62	0.45
10	2.6	210	1.1	12.5	58	0.25	5	20	3.19	2.3	0.45
10	1.6	119	1	7.8	28	0.25	5	28	1.62	0.6	0.45
10	5.3	212	1.1	9.61	52	0.25	5	20	7.32	0.88	0.45
0.62	0.76	8	0.35	10.9	15.3	0.079	0.28	2.2	2.92	0.57	0.45
0.62	1.3	8	0.35	11	15.2	0.079	0.18	2.5	2.99	0.59	0.45
10	6.4	659	4.4	13	193	0.25	5	20	3.34	2.2	0.45
10	4.8	425	2.8	12.9	128	0.25	5	20	3.26	2.4	0.45
10	1.9	161	1.1	7.1	33	0.25	5	33	1.5	0.62	0.45
10	2	183	1.4	7.28	36	0.25	5	36	1.46	0.6	0.45
10	1.6	50	1	5.18	38	0.25	5	20	1.88	0.74	0.45
10	1.4	50	1	5.2	38	0.25	5	20	1.88	0.72	0.45
0.62	0.68	8	0.35	11.6	9.1	0.079	0.18	2.1	2.82	0.6	0.45
10	12.9	1060	6	14	340	0.25	5	20	3.83	2.2	0.45
10	1.7	57	1	7.45	13	0.25	5	13	1.45	0.58	0.45
10	2.6	215	2.8	5.33	65	0.25	5	20	1.95	0.68	0.45
0.62	1.1	23	0.35	91.7	85.1	0.079	1.3	6.8	3.52	2.9	0.45
10	1.5	50	1	101	469	0.25	5	20	3.62	3.6	0.45
10	2.4	535	1	112	498	0.25	5	498	4.4	9.8	0.45
10	2.1	132	1	27.7	31	0.25	5	20	2.48	0.92	0.45
0.99	8.4	41	0.7	164	241	0.079	1.3	13.5	7.1	7.3	0.45
10	4.6	52	1	63.5	35	0.25	5	20	5.58	12.5	0.45
10	5.4	50	1	122	161	0.25	5	161	7.02	4.6	0.45
10	1.9	200	1	34	24	0.25	5	20	4.71	1.3	0.45
0.62	0.76	8	0.35	11.2	12.2	0.079	0.2	2	2.82	0.54	0.45
10	1.5	60	1	12.9	17	0.25	5	20	3.26	2.4	0.45
10	1.7	104	1	7.18	24	0.25	5	24	1.38	0.6	0.45
10	2.4	323	2	5.25	76	0.25	5	20	1.94	0.72	0.45
0.62	0.66	11	0.35	14.1	25.1	0.079	0.39	3	3.35	0.65	0.45
10	1.1	50	1	34.8	378	0.25	5	20	2.64	1.1	0.45
10	1.3	198	1	8.1	29	0.25	5	29	2.08	0.47	0.45
10	1.8	50	1	4.61	16	0.25	5	20	1.35	0.41	0.45
1	2.7	627	2.2	11.3	241	0.094	0.18	3	2.95	0.74	0.45
10	18	1540	8.1	14.8	514	0.522	5	20	4.12	2.6	0.45
10	1.1	50	1	7.64	7	0.25	5	7	1.8	0.52	0.45
10	4.4	689	6.2	5.82	138	0.25	5	20	2.17	0.58	0.45
1.3	5.4	158	0.35	38	1700	0.079	2.5	3.7	6.79	2.5	0.45
10	2	133	1	12.6	30	0.25	5	20	3.37	2.8	0.45
10	1.1	50	1	8.07	6	0.424	5	6	1.83	0.53	0.45
10	1.2	54	1	5.89	28	0.25	5	20	1.98	0.62	0.45
0.62	0.98	8	0.35	11.6	34.8	0.079	0.92	1.5	3.07	0.82	0.45
10	1.2	74	1	8.15	20	0.25	5	20	1.86	0.53	0.45
10	1	66	1	5.98	29	0.25	5	20	2.08	0.61	0.45
0.62	7.5	11	0.35	3.08	0.65	0.079	4	2.8	6.8	3.5	0.45

4.2	1	1	32	290	0.6	
33.2	0.17	0.55	1.1	1200	2	
37.4	1	1	26	1600	2.7	
5.98	1	1	27	350	1	
4.63	1	6.1	35	290	0.6	
358	0.17	1.6	0.54	4100	17	2950
413	1	11.8	40	3700	20	
398	1	4	37	3700	20	
243	1	2	36	2900	9.8	
34.2	0.17	0.61	4.3	650	1	
51.6	1	2.9	25	860	2.4	
42.3	1	1.8	25	690	1.7	
19.6	1	1.7	25	390	0.8	
37	0.35	0.55	0.43	880	1.4	
46.9	1	2.3	26	1300	3	
14.3	1	1	29	510	1.4	
59.5	1	1.2	36	560	1.3	
36.9	0.17	0.52	0.34	890	1.4	
36.5	0.17	0.54	0.49	900	1.4	568
46.8	1	5.6	41	1300	3.4	
46.9	1	4	33	1300	3.4	
12.5	1	1	34	450	1.2	
12.6	1	1	33	440	1.2	
12.4	1	1	25	340	0.6	
12.6	1	1	25	340	0.6	
37.2	0.17	0.52	0.31	850	1.4	811
54.6	1	12.7	42	1300	4.1	
13.8	1	1	26	470	1.2	
12	1	1	34	330	0.7	
69.9	0.17	1	1.1	1200	7.8	
100	1	1.4	31	2000	8.9	
111	1	1.4	42	2300	13	
18.6	1	1	30	480	2.4	
860	0.81	2.7	8.8	6500	11	
333	1	2.5	31	4800	11	
368	1	1.6	40	4500	15	
50	1	1.5	33	1000	3.7	
37.4	0.17	0.53	0.52	880	1.4	
46.8	1	1.4	25	1200	2.7	
12.6	1	1	30	450	1.2	
12.8	1	1.4	29	350	0.7	
38.8	0.17	0.62	1.2	1100	1.9	
162	1	1.7	31	3200	11	
13.2	1	1	31	500	1.4	
7.46	1	1	25	320	0.6	
40.3	0.17	1.8	5.9	880	2	
60.5	1	19.6	50	1600	6.5	
15.3	1	1	25	490	1.3	
13.2	1	1.8	51	370	0.8	
536	0.17	2.5	0.52	1800	2.3	
57.9	1	2.2	25	1300	3.4	
16.1	1	1	25	520	1.5	
13.1	1	1	25	370	0.7	
41.7	0.17	0.82	0.31	820	1.6	
15.8	1	1	28	530	1.5	
13.4	1	1	25	310	0.6	
6.8	0.17	2.9	5.7	780	7	

ChacoR_near_RockBridge	06CHACORIV04	26	Trib	36.7667400
Chaco River near rock bridge	06CHACORIV04	26	Trib	36.7667400
Chaco River near rock bridge	06CHACORIV04	26	Trib	36.7667400
Chaco River near rock bridge	06CHACORIV04	26	Trib	36.7667400
San Juan River at Shiprock bridge	10SANJUANR36	27	246.3	36.7815700
San Juan River at Shiprock bridge	10SANJUANR36	27	246.3	36.7815700
San Juan River at Shiprock bridge	10SANJUANR36	27	246.3	36.7815700
Sj_downstream_Shiprock	10SANJUANR26	28	246.3	36.8932525
SJ_Shiprock	10SANJUANR36	28	246.3	36.7815700
San Juan D.S. of Shiprock	10SANJUANR26	28	273.5	36.8932525
San Juan D.S. of Shiprock	10SANJUANR26	28	273.5	36.8932525
San Juan D.S. of Shiprock	10SANJUANR26	28	273.5	36.8932525
Mancos River near Mouth	07MANCOSRI01	30	Trib	36.9831448
Mancos River	07MANCOSRI01	30	Trib	36.9831448
Mancos River	07MANCOSRI01	30	Trib	36.9831448
SJ_4C	02SANJUANR06	31	295.9	37.0017550
San Juan 4 Corners	02SANJUANR06	31	295.9	37.0017550
San Juan 4 Corners	02SANJUANR06	31	295.9	37.0017550
San Juan 4 Corners	02SANJUANR06	31	295.9	37.0017550
McElmo Creek in Aneth, UT	04MCELMOCR01	32	Trib	37.218684
McElmo_Cr_U262_xing	04MCELMOCR01	32	Trib	37.2186839
McElmo Creek at Highway U262 Xing	04MCELMOCR01	32	Trib	37.2186839
McElmo Creek at Highway U262 Xing	04MCELMOCR01	32	Trib	37.2186839
McElmo Creek at Highway U262 Xing	04MCELMOCR01	32	Trib	37.2186839
SJ_at_McElmo_Cr	02SANJUANR09	33	332.9	37.2159460
San Juan River @ McElmo Creek	02SANJUANR09	33	332.9	37.2159460
San Juan River @ McElmo Creek	02SANJUANR09	33	332.9	37.2159460
San Juan River @ McElmo Creek	02SANJUANR09	33	332.9	37.2159460
SJ_262_xing	02SANJUANR07	34	345.8	37.2577880
San Juan 262 Xing	02SANJUANR07	34	345.8	37.2577880
San Juan 262 Xing	02SANJUANR07	34	345.8	37.2577880
San Juan 262 Xing	02SANJUANR07	34	345.8	37.2577880
Montezuma Creek	4953560	35	Trib	37.2720860
Montezuma Creek at U163 Xing	4953560	35	Trib	37.2720860
Montezuma Creek at U163 Xing	4953560	35	Trib	37.2720860
Montezuma Creek at U163 Xing	4953560	35	Trib	37.2720860
Chinle Creek	01CHINLECR27	36	Trib	37.1991190
Chinle_Cr_Abv_SJ	01CHINLECR27	36	Trib	37.1991190
Chinle Creek ABV San Juan	01CHINLECR27	36	Trib	37.1991190
Chinle Creek ABV San Juan	01CHINLECR27	36	Trib	37.1991190
Chinle Creek ABV San Juan	01CHINLECR27	36	Trib	37.1991190
SJ_Sand_Island	02SANJUAN08	37	377.1	37.2602786
San Juan Sand Island	02SANJUAN08	37	377.1	37.2602786
San Juan Sand Island	02SANJUAN08	37	377.1	37.2602786
San Juan Sand Island	02SANJUAN08	37	377.1	37.2602786
SJ_Clay_Hills	4952942	38	510.7	37.2930080
San Juan River Clay Hills	4952942	38	510.7	37.2930080
San Juan River Clay Hills	4952942	38	510.7	37.2930080
San Juan River Clay Hills	4952942	38	510.7	37.2930080
SJ_MH	29SANJUANR05	39	421.4	37.1507580
San Juan River @ Mexican Hat	29SANJUANR05	39	421.4	37.1507580
San Juan River @ Mexican Hat	29SANJUANR05	39	421.4	37.1507580
San Juan River @ Mexican Hat	29SANJUANR05	39	421.4	37.1507580
ColoradoR_Lees_Ferry	CGCLR713.70	49	570.0	36.9216670
Colorado River @ Lees Ferry	CGCLR713.70	49	570.0	36.9216670
Colorado River @ Lees Ferry	CGCLR713.70	49	570.0	36.9216670
Colorado River @ Lees Ferry	CGCLR713.70	49	570.0	36.9216670

-108.6423700	11/14/2018	11/14/18 11:40	129	0.24	1.3	68.9	0.13	0.12	37.1	1.1
-108.6423700	240.54	3/7/19 13:30	630000	2	2	2360	30	1.1	235	198
-108.6423700	05/14/2019	5/14/19 8:50	24600	2	2.1	193	29	1.5	285	15
-108.6423700	06/07/2019	6/7/19 13:15	1300	2	1.9	128	3	0.12	90.9	15
-108.6928100	246.34	3/7/19 12:45	2990	2	1.3	230	3	0.19	92.8	15
-108.6928100	05/14/2019	5/14/19 10:30	2880	2	1.1	168	3	0.12	58.6	15
-108.6928100	06/07/2019	6/7/19 12:20	50	2	1	61	3	0.12	34.8	15
-108.8788948	11/14/2018	11/14/18 9:30	1.7	0.22	0.78	75	0.13	0.12	83.6	1.1
-108.6928100	11/14/2018	11/14/18 10:40	1.7	0.22	0.72	71	0.13	0.12	79.7	1.1
-108.8785948	273.50	3/7/19 11:40	5020	2	1.9	357	3	0.55	125	15
-108.8785948	05/15/2019	5/15/19 16:00	283	2	1	80	3	0.12	49.1	15
-108.8785948	06/07/2019	6/7/19 11:15	50	2	1	64	3	0.12	37.1	15
-108.9797495	292.54	3/7/19 10:15	2670	2	3.3	76	3	0.55	243	15
-108.9797495	05/15/2019	5/15/19 16:45	50	2	1	44	3	0.12	80	15
-108.9797495	06/07/2019	6/7/19 9:30	88	2	1	40	3	0.12	49.1	15
-109.0327260	11/13/2018	11/13/18 16:30	46.9	0.22	0.82	79.5	0.13	0.12	86.3	1.1
-109.0327260	295.93	3/6/19 16:30	4060	2	1.3	251	3	0.29	86.2	15
-109.0327260	05/15/2019	5/15/19 18:30	524	2	1	95	3	0.12	52.1	15
-109.0327260	06/06/2019	6/6/19 18:30	1360	2	1.5	109	3	0.15	50.3	15
-109.190412	10/08/2018	10/8/18 15:30	1.7	0.22	1	38.9	0.13	0.12	218	2.2
-109.1904117	11/13/2018	11/13/18 14:30	51.9	0.22	0.91	27.1	0.13	0.12	267	1.1
-109.1904117	332.89	3/6/19 14:20	686	2	1.9	71	3	0.15	210	15
-109.1904117	05/15/2019	5/15/19 20:05	63	2	1.3	77	3	0.12	212	15
-109.1904117	06/06/2019	6/6/19 16:30	50	2	1.4	53	3	0.12	178	15
-109.1920540	11/13/2018	11/13/18 15:30	333	0.22	1	94.7	0.13	0.12	87.6	1.1
-109.1920540	332.89	3/6/19 15:30	9940	2	1.8	269	8	1.2	174	15
-109.1920540	05/15/2019	5/15/19 19:35	1140	2	1	99	3	0.12	54.8	15
-109.1920540	06/06/2019	6/6/19 17:30	50	2	1	61	3	0.12	38	15
-109.3092500	11/13/2018	11/13/18 13:20	577	0.22	1.1	98.8	0.17	0.12	93	1.1
-109.3092500	345.80	3/6/19 13:30	16500	2	2	301	13	2	273	15
-109.3092500	05/17/2019	5/17/19 9:15	81	2	1	69	3	0.12	45.6	15
-109.3092500	06/06/2019	6/6/19 12:30	2130	2	1.9	179	3	0.37	78.9	15
-109.3276940	10/02/2018	10/2/18 14:30	1510	0.86	8.5	95.8	0.16	0.12	20.9	6
-109.3276940	348.23	3/6/19 12:45	6140	2	10.7	451	4	1.2	260	15
-109.3276940	05/17/2019	5/17/19 8:45	442	2	2.7	124	3	0.12	77.4	15
-109.3276940	06/06/2019	6/6/19 10:10	2350	2	3.6	166	3	0.12	80.8	15
-109.7155720	10/08/2018	10/8/18 10:45	11.4	0.44	0.87	117	0.13	0.12	51	2.3
-109.7155720	11/12/2018	11/12/18 16:30	950	0.22	4.2	223	0.17	0.12	44	1.1
-109.7155720	391.54	3/5/19 14:30	212000	2	18	3160	27	2.1	1040	89
-109.7155720	05/16/2019	5/16/19 10:45	15200	2	11.7	336	10	1.1	512	15
-109.7155720	06/05/2019	6/5/19 14:00	50	2	2.9	134	3	0.12	40.4	15
-109.6137343	11/13/2018	11/13/18 12:15	38	0.22	0.78	85.7	0.13	0.12	82.2	1.1
-109.6137343	377.05	3/6/19 11:50	20500	2	2.5	227	13	2	284	15
-109.6137343	05/16/2019	5/16/19 8:40	1760	2	1.1	117	3	0.12	55.7	15
-109.6137343	06/06/2019	6/6/19 8:45	651	2	1	90	3	0.12	40.8	15
-110.3996210	11/13/2018	11/12/18 9:45	5.8	0.22	0.9	129	0.13	0.12	83.9	1.1
-110.3996210	510.74	3/5/19 9:00	9460	2	3.9	312	4	0.97	284	15
-110.3996210	05/17/2019	5/17/19 11:25	1180	2	1.1	100	3	0.12	54	15
-110.3996210	06/05/2019	6/5/19 20:45	50	2	1	48	3	0.12	42.2	15
-109.8676720	11/12/2018	11/12/18 13:45	9.7	0.22	0.82	93.5	0.13	0.12	83.5	1.1
-109.8676720	421.39	3/5/19 17:00	13900	2	3.7	365	9	1.6	338	15
-109.8676720	05/16/2019	5/16/19 10:00	50	2	1	75	3	0.12	49.9	15
-109.8676720	06/05/2019	6/5/19 18:00	73	2	1	62	3	0.12	39	15
-111.4836110	11/12/2018	11/12/18 9:30	1.7	0.22	1.5	76.6	0.13	0.12		1.1
-111.4836110	570.00	3/5/19 9:30	50	2	1.7	83	3	0.12	66.4	15
-111.4836110	05/16/2019	5/16/19 16:45	50	2	1.6	84	3	0.12	65.8	15
-111.4836110	06/04/2019	6/4/19 18:15	50	2	1.6	84	3	0.12	64.3	15

0.62	5.9	90	0.35	4.11	10.1	0.079	3.2	2.1	5.84	3.9	0.45
156	89.3	219000	35.4	72.9	5510	0.537	5	145	13.5	2.7	0.45
81	73.8	12800	27.6	32.6	5380	0.987	5	5380	17.1	3.8	0.45
10	4.2	1030	1.7	32.5	68	0.25	5	20	7.71	1.3	0.45
10	16.8	1780	10.5	13.4	510	0.25	5	20	4.18	2.2	0.45
10	7.8	1840	6.9	8.45	177	0.25	5	177	2.74	0.64	0.45
10	1.1	50	1	5.89	24	0.25	5	20	2.27	0.64	0.45
0.62	0.91	8	0.35	14.4	3.5	0.079	1.2	1.9	3.03	1.1	0.45
0.62	0.85	8	0.35	13.3	6	0.0811	0.95	1.8	3.09	0.83	0.45
15	38.2	2830	19.8	15.5	1610	0.25	5	20	4.97	2.6	0.45
10	1.7	180	1	7.3	21	0.25	5	21	1.84	0.53	0.45
10	1.4	50	1	7.59	41	0.25	5	20	2.99	0.91	0.45
10	17.8	3940	15.3	130	484	0.323	5	20	8.19	18.7	0.45
10	2.8	50	1	36.2	5	0.25	5	5	2.21	2.2	0.45
10	5.4	111	1	15.5	14	0.25	5	20	2.99	1.2	0.45
0.62	1.2	62	0.35	14.5	11.2	0.079	1.1	1.9	2.99	0.99	0.45
10	23.3	2240	14.5	12	805	0.25	5	20	4.43	3.2	0.45
10	2.3	503	1.9	8.21	53	0.25	5	53	2.03	0.58	0.45
10	6.9	1510	8	7.88	192	0.25	5	20	2.7	0.68	0.45
0.62	2.3	9	0.35	154	20	0.079	7.2	7.5	7.09	2.3	0.45
0.99	2.6	86	0.35	162	84.1	0.079	5.7	9.2	6.38	2.8	0.45
10	4.7	1010	3.9	105	167	0.564	5	20	8.97	4	0.45
10	1.7	50	1	133	77	0.25	5	77	6.68	2.3	0.45
10	1.6	50	1	98.5	13	0.25	5	20	5.22	1.9	0.45
0.96	10.2	592	1.4	15	511	0.079	0.38	2.6	2.96	0.99	0.45
33	65.6	4110	22.8	21.2	3210	0.601	5	25	7.21	3.2	0.45
10	2.5	694	1.7	8.76	47	0.25	5	47	2.26	0.6	0.45
10	1.1	50	1	6.28	11	0.25	5	20	2.02	0.62	0.45
0.96	3.4	692	2.7	16.8	98.7	0.079	0.24	2.9	3.17	1.1	0.45
54	99.1	5820	36.4	36.8	5240	0.7	5	41	10.3	3	0.45
10	1.4	82	1	7.84	11	0.25	5	11	1.77	0.5	0.45
10	9.7	2590	14.3	11.7	397	0.25	5	20	2.8	0.74	0.45
0.77	94.3	794	2.5	2.98	111	0.079	1.3	3.3	4.38	1.9	0.45
15	30.1	5320	29.7	31.8	2240	0.303	5	20	9.5	5.1	0.45
10	2.4	148	1	28.2	6	0.25	5.3	6	5.47	3	0.45
10	5.7	1710	5.9	17.7	256	0.25	5	20	3.93	1	0.45
0.62	2.2	17	0.35	14.5	1.6	0.079	7.3	2.6	4.79	2.5	0.45
0.62	2.3	315	1.6	10.2	78.5	0.079	1.1	1.7	3.91	1.4	0.45
80	35.5	67200	129	121	8730	0.553	5	110	40.6	0.41	0.45
20	7.4	722	24.2	59.6	3030	0.25	5	3030	13.2	3	0.45
10	2.3	50	1	11.3	5	0.25	5	20	4.5	1.6	0.45
0.62	1.3	43	0.35	15.8	6.6	0.079	1.1	2.3	2.85	0.98	0.45
57	100	8720	35.2	41.3	5330	0.608	5	43	10.4	2.8	0.45
10	4.4	1230	4.5	9.59	107	0.25	5	107	2.43	0.7	0.45
10	3.7	753	3.9	6.99	83	0.25	5	20	2.31	0.54	0.45
0.62	0.94	8	0.35	15.3	60.6	0.079	1.3	1.9	2.76	0.99	0.45
20	42.4	5060	24.3	33	2620	0.254	5	20	7.65	2.4	0.45
10	3	717	2.3	9.41	61	0.25	5	61	2.74	0.72	0.45
10	1.2	50	1	8.52	5	0.25	5	20	2.26	0.61	0.45
0.62	1.2	8	0.35	15.6	2.5	0.079	1.1	1.8	2.88	1	0.45
35	51.8	4700	26.2	37.8	4050	0.432	5	29	10.5	2.2	0.45
10	1.2	50	1	8.69	9	0.25	5	9	2.14	0.62	0.45
10	1.5	77	1	6.83	10	0.25	5	20	2.07	0.69	0.45
0.62	1.1	9	0.35	19.8	1.7	0.079	2.7	1.6	3.3	1.8	0.45
10	1	50	1	21.2	5	0.25	5	20	3.92	2.1	0.45
10	1	50	1	21.9	5	0.25	5	5	3.56	2	0.45
10	0.93	50	1	20.9	5	0.25	5	20	3.53	2	0.45

179	0.17	1.8	2.4	530	5.2	
220	1	94.6	723	4800	34	
232	1	112	274	6700	66	
143	1	4.3	38	1800	3.8	
59.5	1	13.2	53	1300	4.3	
22	1	5.5	51	640	2.9	
14.6	1	1	25	350	0.7	
45.8	0.17	0.69	0.31	970	2	
42.2	0.32	0.64	0.31	920	2	
69	1	33.8	83	930	2.5	
15.5	1	1.2	25	600	1.8	
16.9	1	1	25	390	0.8	
210	1	16.4	69	1900	10	
42.3	1	1	26	860	3.8	
16.2	1	1	26	460	1.4	
47.6	0.17	0.87	1.4	950	2.1	
96.2	1	20.5	53	770	3.7	
16.9	1	1.8	32	690	2.2	
18.2	1	4.5	59	590	1.9	
7.09	0.17	1	4	5700	9.2	
197	0.17	0.8	3.2	4700	8.7	
120	1	5.6	37	2400	6.2	
160	1	1.6	38	5000	11	
110	1	2	43	2900	5.1	
50.8	0.17	1.6	4.9	980	2.2	
114	1	59	129	1300	9.7	
20.5	1	1.9	32	720	2.3	
14.6	1	1	25	420	0.9	
50.9	0.17	2.3	7	1100	2.9	
120	1	97.8	181	1400	8.8	
14.6	1	1	25	580	1.8	
15.6	1	9.1	85	460	1.5	
4.38	0.2	29.9	29.9	580	8.4	
49.4	1	61.7	75	2600	8.4	
177	1	3.9	30	1700	17	
45.2	1	10.6	46	1300	13	
4.79	0.17	3.9	8.4	820	6.3	
88.9	0.17	16.2	0.46	1000	5.7	
123	1	163	280	10000	40	
131	1	49.2	75	7000	6.2	
79.2	1	9.6	25	960	3.6	
47.5	0.17	0.88	0.75	1000	2.1	
112	1	104	198	4200	27	
20	1	3.4	43	740	2.4	
15.6	1	2.1	40	420	1	
47.3	0.17	1.3	0.31	1100	2.3	
96.8	1	53.9	108	1700	7.8	
22	1	3.3	32	600	2.7	
15.8	1	1.4	25	530	1.3	
46.7	0.17	0.99	0.31	1100	2.1	
98.2	1	80	130	4100	19	
18.8	1	1.3	25	530	1.7	
15.7	1	1.3	25	460	1.1	
55.8	0.17	1.8	0.31	630	2.7	26
66	1	1.9	25	740	2.5	
65.4	1	2.2	25	690	5	
63.7	1	1.9	26	790	3.1	

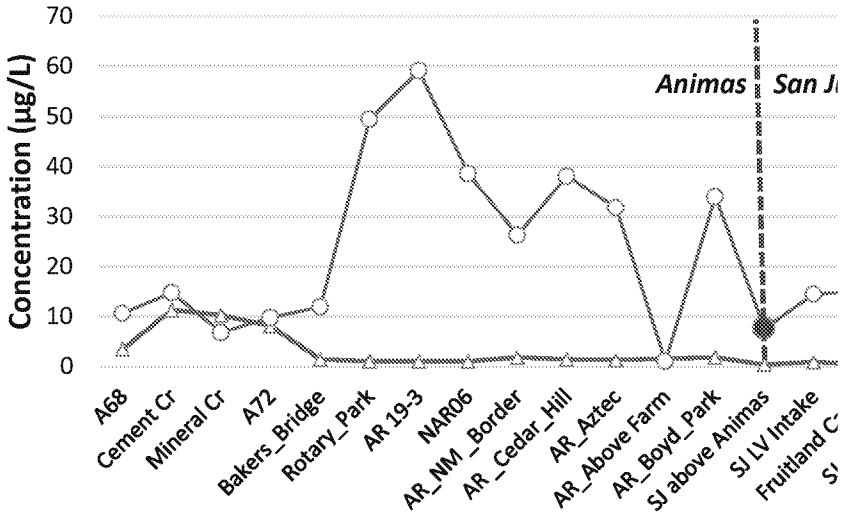
TOTAL Metals

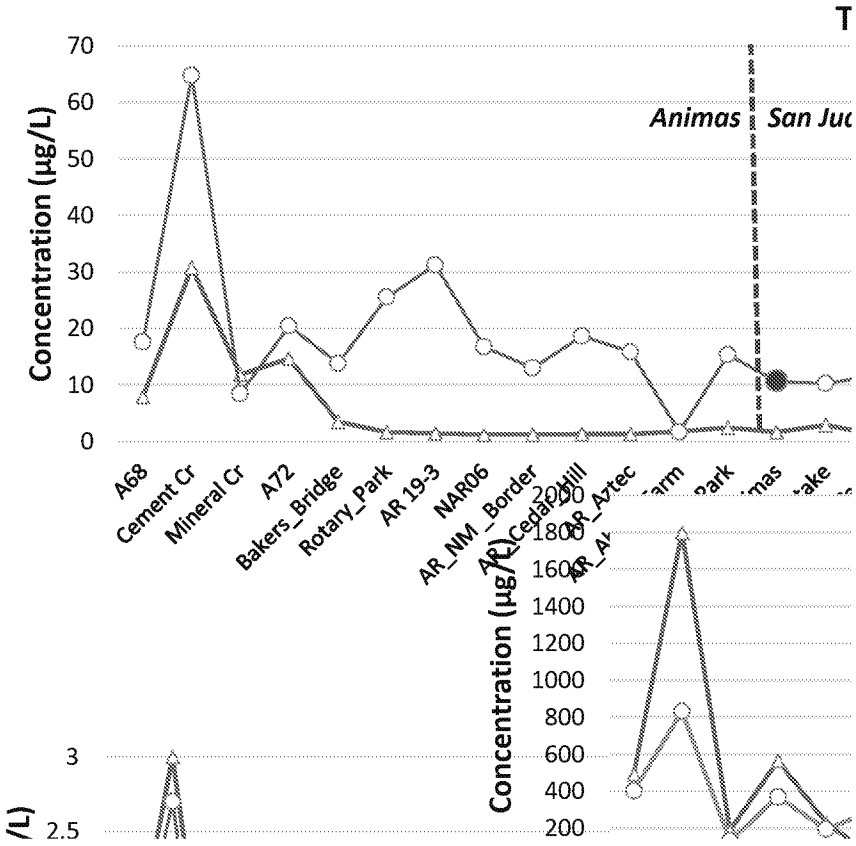
Location	Storet Name	Order	Distance	Lat	Long
A68	9488	1		37.811202	-107.659167
Cement Cr	CEM49	2		37.819984	-107.663275
Mineral Cr	9447	3		37.8028	-107.67222
A72	82	4		37.79027	-107.667578
Bakers_Bridge	81	5		37.45844	-107.7997567
Rotary_Park	9423A	6		37.27456333	-107.8842733
AR 19-3	AR19-3	7		37.213842	-107.854161
NAR06	NAR6	8		37.02342	-107.87387
AR_NM _Border	66Animas057.0	9		36.983263	-107.86758
AR _Cedar_Hill	ADW-022	10		36.9333	-107.90907
AR_Aztec	66Animas028.1	11		36.82949	-107.997663
AR_Above Farm	66Animas009.8	12		36.750231	-108.146982
AR_Boyd_Park	66Animas001.7	13		36.72303	-108.201611
SJ above Animas	64SanJua101.6	14		36.710914	-108.218192
SJ LV Intake	66SanJua100.2	15		36.730556	-108.251046
Fruitland Canal	10FRUCANAL40	16		36.73082	-108.25602
SJ ds Animas	67SanJua096.3	17		36.73588701	-108.2539868
La Plata_at_Farm	67LaPlat002.3	18		36.737733	-108.250233
San Juan @ Lions Park	67SanJua088.1	19		36.722136	-108.325619
Stevens_Arroyo	67Steven000.7	20		36.744115	-108.400245
SJ_above_PMN_fishpassage	10SANJUANR38	21		36.7482	-108.41163
SJ_botHogback_fishpassage	10SANJUANR25	22		36.7454628	-108.5378488
ChacoR_near_RockBridge	06CHACORIV04	23		36.76674	-108.64237
SJ_Shiprock	10SANJUANR36	24		36.78157	-108.69281
Sj_downstream_Shiprock	10SANJUANR26	25		36.89325249	-108.8785948
Mancos River	Mancos River	26			
SJ_4C	02SANJUANR06	27		37.001755	-109.032726
SJ_at_McElmo_Cr	02SANJUANR09	28		37.215946	-109.192054
McElmo_Cr_U262_xing	04MCELMOCR01	29		37.21868389	-109.1904117
Montezuma Creek at U163 Xing		30			
SJ_262_xing	02SANJUANR07	31		37.257788	-109.30975
SJ_Sand_Island	02SANJUAN08	32		37.26027863	-109.6137343
Chinle_Cr_Abv_SJ	01CHINLECR27	33		37.199119	-109.715572
SJ_Mexican Hat	29SANJUANR05	34		37.150758	-109.867672
SJ_Clay Hills	4952942	35		37.293008	-110.399621
ColoradoR_Lees_Ferry	CGCLR713.70	36		36.921667	-111.483611
A68	9488	1			
Cement Cr	CEM49	2			
Mineral Cr	9447	3			
A72	82	4			
Bakers_Bridge	81	5			
Animas at Rotary Park	9423A	6		37.27	-107.88
Animas Suit 19-3	AR19-3	7		37.21	-107.85
Animas Southern Ute	NAR6	8		37.02	-107.87
Animas NM Border	66Animas057.0	9		36.98	-107.87
Animas Cedar Hill	ADW-022	10		36.93	-107.91
Animas at Aztec	66Animas028.1	11		36.83	-108.00
Animas above Farmington	66Animas009.8	12		36.75	-108.15
Animas Boyd Park	66Animas001.7	13		36.72	-108.20
SJ above Animas	64SanJua101.6	14		36.71	-108.22
Lower Valley water users association, in take sampling location	66SanJua100.2	15		36.73	-108.25
San Juan River DS of the Animas confluence	67SanJua096.3	16		36.74	-108.25
San Juan @ Lions Park	67SanJua088.1	17		36.72	-108.33
La Plata River @ La Plata NM	67LaPlat024.8	18		36.83	-108.22
La Plata River @ Farmington City Park	67LaPlat002.3	19		36.74	-108.25

Date	Date:time	ug/L Aluminum	ug/L Antimony	ug/L Arsenic	ug/L Barium	ug/L Beryllium	ug/L Cadmium	mg/L Calcium	ug/L Chromium	ug/L Cobalt	ug/L Copper	ug/L Iron
11/6/2018	11/6/19 10:45	160	0.92	0.22	25.6	0.13	1.4	64.1	1.1	0.74	7.9	307
11/6/2018	11/6/19 9:30	7450	0.66	5.8	10.1	0.73	3	206	1.1	24.5	30.8	17300
11/6/2018	11/6/19 12:20	5040	0.6	1	25	0.16	0.8	79.7	1.1	8	11.8	10100
11/6/2018	11/6/19 13:30	3190	0.42	1.5	21.6	0.2	1.4	97.3	1.1	7.8	14.7	6820
11/6/2018	11/6/19 15:15	791	0.33	0.43	32.4	0.13	0.55	55.3	1.1	2.4	3.5	1040
11/5/2018	11/5/19 15:30	320	0.26	0.66	67.9	0.13	0.12	87.4	1.1	0.62	1.6	386
11/7/2018	11/7/19 15:50	274	0.76	0.68	61.7	0.13	0.12	83.5	1.1	0.62	1.4	350
11/7/2018	11/7/19 8:40	386	0.22	0.56	82.9	0.13	0.12	82.1	1.1	0.62	1.2	364
11/7/2018	11/7/19 10:05	440	0.22	0.58	84.2	0.13	0.12	81.5	1.1	0.62	1.2	416
11/7/2018	11/7/19 11:00	521	0.22	0.65	83.3	0.13	0.12	84.9	1.1	0.62	1.3	465
11/7/2018	11/7/19 11:45	652	0.22	0.66	87.8	0.13	0.12	89.6	1.1	0.62	1.3	540
11/7/2018	11/7/19 13:20	820	0.22	0.72	87.6	0.13	0.12	101	1.1	0.62	1.8	660
11/7/2018	11/7/19 14:10	1170	0.22	0.78	87.2	0.13	0.12	105	1.1	0.62	2.4	934
11/15/2018	11/15/19 10:00	511	0.22	0.8	67.6	0.13	0.12	50.6	1.1	0.62	1.6	412
11/15/2018	11/15/19 11:50	1130	0.22	0.86	80.2	0.13	0.12	71.5	1.1	0.62	2.9	934
11/15/2018	11/15/19 10:30	375	0.22	0.72	75.2	0.13	0.12	72.7	1.1	0.62	1.2	317
11/15/2018	11/15/19 10:55		0.22	0.75	74.2	0.13	0.12	73.2	1.1	0.62	1.5	474
11/15/2018	11/15/19 13:00	675	0.36	2.7	16.8	0.13	0.12	368	1.1	1	14.7	523
11/15/2018	11/15/19 16:30		0.22	0.78	74.2	0.13	0.12	72.4	1.1	0.62	1.7	642
11/14/2018	11/14/19 16:00	1790	0.22	0.82	79.7	0.13	0.12	94.7	1.1	0.67	2.2	1440
11/14/2018	11/14/19 15:30	788	0.22	0.78	69.7	0.13	0.12	76.7	1.1	0.62	1.7	605
11/14/2018	11/14/19 13:15	238	0.22	4.9	62.4	0.13	0.12	181	1.1	1.4	4	1770
11/14/2018	11/14/19 11:40	6000	0.22	1.9	111	0.13	0.12	40.5	2.3	1.4	7.9	3780
11/14/2018	11/14/19 10:40	1480	0.22	0.87	74.6	0.13	0.12	80.7	1.1	0.62	1.9	1180
11/14/2018	11/14/19 9:30	2040	0.22	0.96	87.7	0.13	0.12	86.2	1.1	0.62	2.1	1530
11/13/2018	11/13/19 16:30	4020	0.22	1.3	108	0.13	0.12	87.4	1.5	1.1	3.3	2950
11/13/2018	11/13/19 15:30	4280	0.22	1.3	109	0.13	0.12	84.5	1.6	1.1	4.3	3100
11/13/2018	11/13/19 14:30	864	1.7	1.1	25.4	0.13	0.12	271	2	1.2	3	511
11/13/2018	11/13/19 13:20	3270	0.22	1.2	117	0.13	0.12	88.4	1.4	0.96	2.9	2300
11/13/2018	11/13/19 12:15	3910	0.22	1.3	112	0.13	0.12	85.1	1.5	0.97	3.2	2590
11/12/2018	11/12/19 16:30	56700	0.22	4.7	420	0.68	0.12	57.9	13.9	6.2	8.3	23700
11/12/2018	11/12/19 13:45	3640	0.22	1.2	122	0.13	0.12	85.3	1.4	0.94	4.2	2510
11/12/2018	11/12/19 9:45	7880	0.22	1.6	174	0.13	0.12	89.8	2.7	1.6	4.5	4960
11/12/2018	11/12/19 9:30		0.22	1.5	79.9	0.13	0.12	61.6	1.1	0.62	1.2	12
03/09/2019	3/9/19 14:00	1020	2	1	69	3	0.18	85.7	15	10	2.6	1050
03/09/2019	3/9/19 12:45	737	2	1	67	3	0.12	85.5	15	10	2	690
03/08/2019	3/8/19 8:30	22400	2.8	1.7	464	3	0.22	80.2	15	10	17.7	15800
03/09/2019	3/9/19 11:30	19900	2	1.9	418	3	0.28	80.4	15	10	13.7	13800
03/09/2019	3/9/19 10:45	39800	2	2.1	618	3	0.28	80.7	15	11	28.9	26700
03/09/2019	3/9/19 10:00	59000	2	3.1	752	3	0.44	87.1	19	14	49.6	37700
03/09/2019	3/9/19 9:15	23000	2	2.4	424	3	0.33	96.7	15	10	19.7	15900
03/09/2019	3/9/19 8:30	29300	2	2.5	464	3	0.3	96.9	15	10	22.1	20000
03/08/2019	3/8/19 13:00	25800	2	1.1	260	3	0.12	60.6	21	10	13.5	19100
03/08/2019	3/8/19 10:45	32400	2	1.6	412	3	0.2	84.5	19	10	21.3	24600
03/08/2019	3/8/19 12:00	25600	2	1.7	345	3	0.21	84.5	15	10	20.9	18200
03/07/2019	3/7/19 16:45	87900	2	1.2	836	3	0.4	103	64	25	48.7	69400
03/08/2019	3/8/19 9:30	3600	2	1.7	67	3	0.12	197	15	10	3.9	2990
03/08/2019	3/8/19 10:15	23100	2	2.7	485	3	0.12	200	15	10	14.4	13700

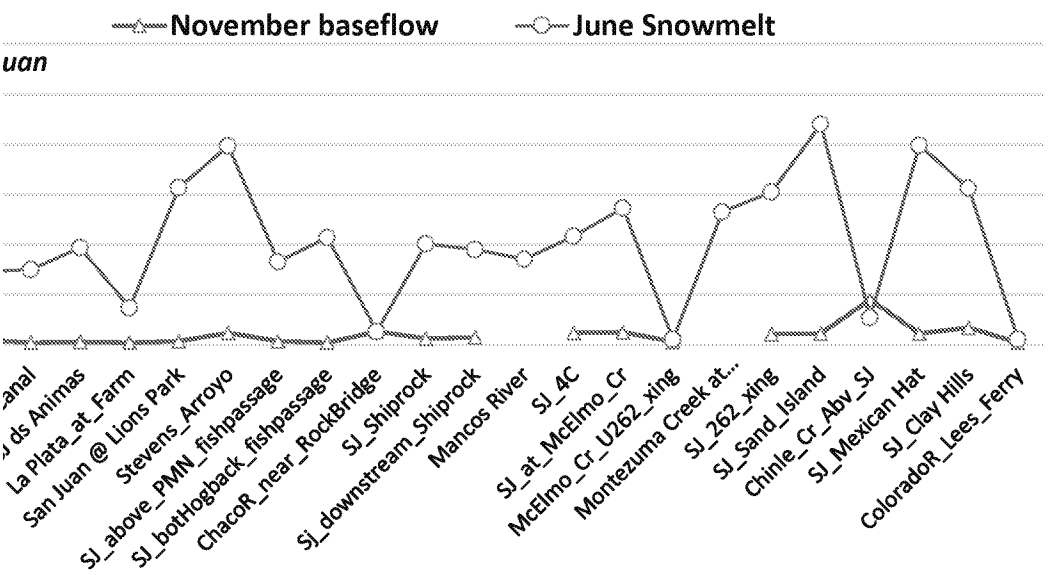
ug/L Lead	mg/L Magnesium	ug/L Manganese	ug/L Mercury	ug/L Molybdenum	ug/L Nickel	mg/L Potassium	ug/L Selenium	ug/L Silver	mg/L Sodium	ug/L Thallium	ug/L Vanadium	ug/L Zinc
3.5	3.63	1670	0.079	1.2	3.4	1.1	0.46	0.45	3.01	0.17	0.23	493
11.3	10.9	4330	0.079	0.18	19.8	2.26	0.41	0.45	4.98	0.3	4.3	1800
10.3	6.24	424	0.079	0.18	5.6	0.905	0.41	0.45	4.04	0.17	1.7	189
8.1	6.14	1440	0.079	0.18	7.5	1.11	0.5	0.45	3.92	0.17	1.2	565
1.4	5.5	484	0.079	0.18	3.7	1.2	0.41	0.45	2.99	0.17	0.4	231
1.1	11.8	243	0.079	0.18	3.4	3.62	0.41	0.45	20.2	0.17	0.9	38.2
1.1	11.8	186	0.079	0.45	3.2	3.74	0.48	0.45	20.4	0.61	1	23.8
1	12.3	87.9	0.079	0.44	3.4	3.29	0.57	0.45	21.8	0.17	1.1	13.9
1.8	12.2	91.8	0.079	0.49	3.3	3.28	0.45	0.45	21.7	0.17	1.2	13.3
1.4	12.9	78.9	0.079	0.48	3.3	3.32	0.49	0.45	22.7	0.17	1.4	12.4
1.3	13.5	76.6	0.079	0.52	3.6	3.32	0.64	0.45	26.4	0.17	1.5	16
1.5	14.7	79.6	0.0811	0.59	4	3.37	0.61	0.45	33.1	0.17	1.6	12
1.8	15.1	78.9	0.079	0.57	4.3	3.49	0.65	0.45	33.6	0.17	1.8	14.4
0.35	7.73	20.9	0.079	0.18	2.4	2.37	0.51	0.45	34.6	0.17	1.2	1.4
0.9	10.8	67.1	0.079	0.35	3.3	2.96	0.57	0.45	36.3	0.19	1.7	6.6
0.35	10.8	23.1	0.079	0.37	3.1	2.77	0.62	0.45	36.3	0.17	1.1	4.2
0.56	10.8	32.4		0.32	3.2	2.96	0.57	0.45	36.4	0.17	1.3	5.2
0.35	172	292	0.079	2.6	11.8	9.44	7.3	0.45	936	0.17	2.9	9.3
0.69	11.3	34.2		0.22	3.1	4.28	0.54	0.45	40.1	0.17	1.5	5.7
2.3	14.8	68.7	0.079	1.6	3.9	4.58	0.57	0.45	43.5	0.17	2.5	13.3
0.66	12	29.8	0.382	1.6	3.1	3.63	0.7	0.45	43.8	0.17	1.5	4.7
0.35	44.4	1900	0.107	3.2	5.3	7.49	2.2	0.45	492	0.17	2.7	4
2.6	5.06	44.4	0.109	3.6	4.3	6.94	3.4	0.45	182	0.17	7.4	9.8
1.2	13.3	38.3	0.079	1.5	3.2	3.68	0.64	0.45	44.4	0.17	2.1	7.1
1.4	14.5	45.7	0.079	1.9	3.5	3.8	0.85	0.45	47.5	0.17	2.6	7.6
2.3	15.1	84	0.079	1.6	4.2	4.26	0.95	0.45	48.9	0.17	4.5	11.5
2.5	15.5	85.3	0.079	1.6	4.3	4.06	0.88	0.45	51.3	0.17	4.6	15
0.49	168	133	0.146	6.1	11.7	6.74	2.7	0.45	199	0.58	2	6.4
2.1	17.3	67.2	0.079	1.7	4	3.79	0.97	0.45	52	0.17	4.2	10
2.2	17.4	64.2	0.11	1.7	4	3.8	0.91	0.45	50.7	0.17	4.5	9.8
9	26.3	250	0.187	1.1	15.7	17.8	1.3	0.45	94.5	0.21	32.6	29
2.2	16.7	64	0.079	1.8	4.1	3.89	0.97	0.45	47.6	0.17	4.2	9.6
3.4	17.8	106	0.123	1.6	5.5	4.76	0.92	0.45	48.7	0.17	7.4	14.2
0.35	19.3	1.9		3.6	2.9	4.26	1.6	0.45	56.7	0.17	1.9	0.82
2.8	14	276	0.25	5	20	3.09	1.5	1	16.7	1	1.5	70
1.7	16.2	228	0.25	5	20	3.26	1.4	1	19.9	1	1.6	51
13	15.3	512	0.25	5	20	7.12	3	1	28.5	1	14.9	106
11.5	15.5	484	0.25	5	20	7.04	3	1	28.2	1	12.9	111
20.4	15.6	822	0.25	5	20	9.84	3.7	1	33.6	1	21.7	142
37.8	18.1	1110	0.25	5	20	12.6	4.6	1	36.9	1	30.7	204
18.7	17.2	635	0.25	5	20	7.41	3	1	33	1	16.3	141
18.7	17.3	699	0.25	5	20	8.4	3	1	34.8	1	19	145
6.2	12.8	293	0.25	5	20	6.65	0.98	1	47.2	1	17.8	61
14.3	17.1	604	0.25	5	20	8.37	2.1	1	43.1	1	22.2	110
16	15.8	556	0.25	5	20	7.24	2.2	1	42.5	1	21.2	95
25.7	29.6	1260	0.25	5	41	15.9	2.3	1	48.6	1	45.8	222
2	90.4	522	0.25	5	20	3.98	3.3	1	90.1	1	4.4	25
6.7	58	231	0.25	5	20	8.2	10.8	1	296	1	17.5	45

ug/L Strontium	ug/L Uranium	ug/L Aluminum
580	1	
2200	1	
660	0.5	
840	1	
450	0.5	
850	0.9	
830	1	
840	1.4	
830	1.2	336
870	1.3	451
940	1.6	476
1200	1.9	606
1200	2	770
660	1.1	375
890	1.6	539
890	1.5	20
880	1.4	398
660	12	328
870	1.5	523
1100	2	1490
880	1.6	34.8
2000	2.8	1.7
530	5.1	543
970	2.1	44.3
1000	2.1	161
1000	2.4	195
1000	2.4	245
4600	9	17.3
1100	2.5	211
1000	2.4	262
1000	5.8	456
1000	2.2	304
1100	2.5	
670	2.9	12.1
1000	1.6	
820	1.5	
1400	3.7	
1300	3	84.00
1600	3.9	50.00
1600	5.3	50.00
1600	3.8	50.00
1700	4	50.00
980	3.4	50.00
1400	4.3	50.00
1500	4.9	50.00
1700	7.8	50.00
2100	9.9	50.00
5200	12	50.00

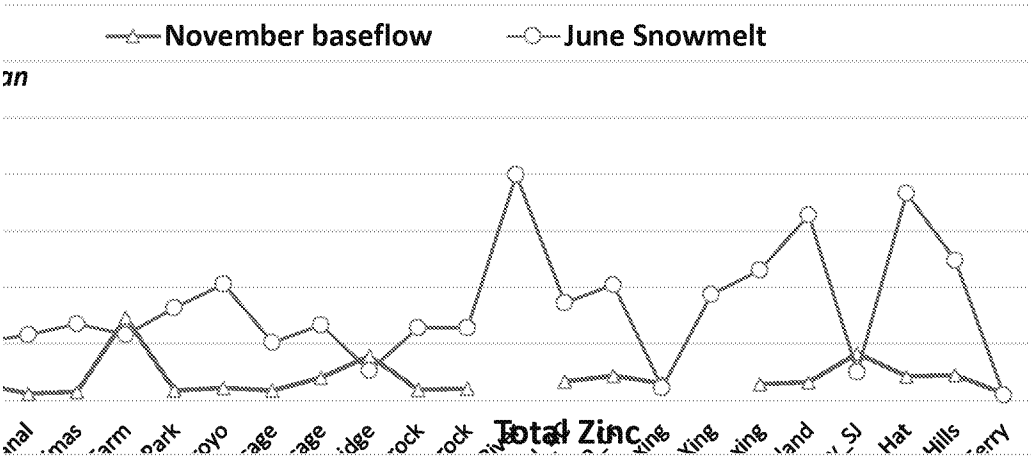




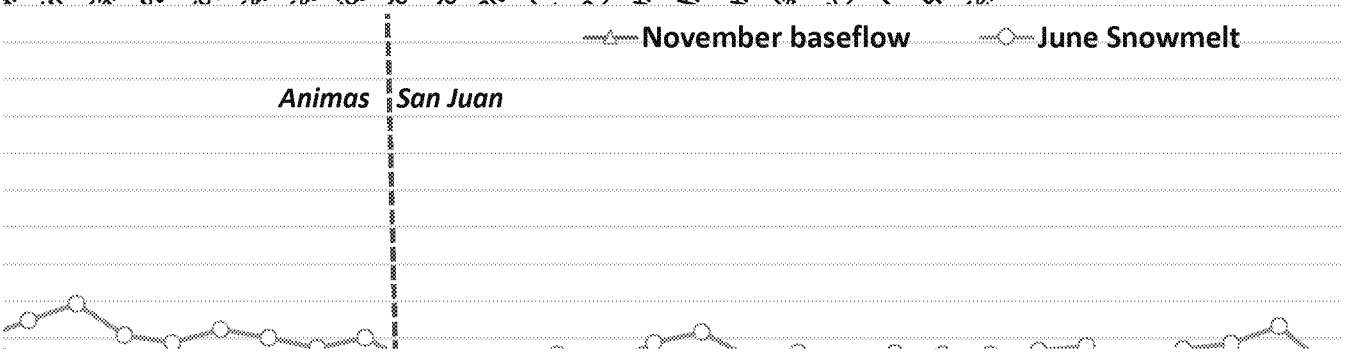
Total Lead



otal Copper



Total Zinc



Stevens Arroyo	67Steven000.7	20	36.74	-108.40
Fruitland Canal @ first bridge downstream from headgate	10FRUCANAL40	21	36.73	-108.26
San Juan River upstream from PNM fish passage	10SANJUANR38	22	36.75	-108.41
San Juan River @ the bottom of the hogback fish passage	10SANJUANR25	23	36.75	-108.54
Chaco River near rock bridge	06CHACORIV04	24	36.77	-108.64
San Juan River at Shiprock bridge	10SANJUANR36	25	36.78	-108.69
San Juan D.S. of Shiprock	10SANJUANR26	26	36.89	-108.88
Mancos River near Mouth	07MANCOSRI01	27	36.98	-108.98
San Juan 4 Corners	02SANJUANR06	28	37.00	-109.03
San Juan River @ McElmo Creek	02SANJUANR09	29	37.22	-109.19
McElmo Creek at Highway U262 Xing	04MCELMOCR01	30	37.22	-109.19
Montezuma Creek at U163 Xing	4953560	31	37.27	-109.33
San Juan 262 Xing	02SANJUANR07	32	37.26	-109.31
San Juan Sand Island	02SANJUAN08	33	37.26	-109.61
Chinle Creek ABV San Juan	01CHINLECR27	34	37.20	-109.72
San Juan River @ Mexican Hat	29SANJUANR05	35	37.15	-109.87
San Juan River Clay Hills	4952942	36	37.29	-110.40
Colorado River @ Lees Ferry	CGCLR713.70	37	36.92	-111.48
AR Abv Cement	9488	1	37.811202	-107.659167
Cement Creek	CEM49	2	37.819984	-107.663275
Mineral Creek	9447	3	37.8028	-107.67222
AR bel Silverton	82	4	37.79027	-107.667578
AR at Bakers Bridge	81	5	37.45844	-107.7997567
AR in Durango	9423A	6	37.27456333	-107.8842733
AR at SUIT 19-3	AR19-3	7	37.213842	-107.854161
AR at SUIT NAR6	NAR6	8	37.02342	-107.87387
AR at NM Border	66Animas057.0	9	36.983263	-107.86758
AR at Cedar Hill	ADW-022	10	36.9333	-107.90907
AR at Aztec	66Animas028.1	11	36.82949	-107.997663
AR abv Farmington	66Animas009.8	12	36.750231	-108.146982
AR at Boyd Park	66Animas001.7	13	36.72303	-108.201611
SJ above Animas	64SanJua101.6	14	36.710914	-108.218192
SJ at LV intake	66SanJua100.2	15	36.730556	-108.251046
Fruitland Canal at first bridge	10FRUCANAL40	17	36.73082	-108.25602
La Plata R at Farmington	67LaPlat002.3	18	36.737733	-108.250233
SJ DS Animas	67SanJua096.3	19	36.73588701	-108.2539868
SJ at Lions Park	67SanJua088.1	20	36.722136	-108.325619
Stevens Arroyo	67Steven000.7	21	36.744115	-108.400245
SJ US of Fish Passage	10SANJUANR38	22	36.7482	-108.41163
SJ at bottom of Hogback	10SANJUANR25	23	36.7454628	-108.5378488
Chaco River	06CHACORIV04	24	36.76674	-108.64237
SJ at Shiprock	10SANJUANR36	25	36.78157	-108.69281
SJ DS of Shiprock	10SANJUANR26	26	36.89325249	-108.8785948
Mancos River	07MANCOSRI01	27	36.98314479	-108.9797495
SJ at Four Corners	02SANJUANR06	28	37.001755	-109.032726
SJ at McElmo Cr	02SANJUANR09	29	37.215946	-109.192054
McElmo Cr	04MCELMOCR01	30	37.21868389	-109.1904117
Montezuma Cr	4953560	31	37.272086	-109.327694
SJ DS McElmo Cr	02SANJUANR07	32	37.257788	-109.30975
SJ at Sand Island	02SANJUAN08	33	37.26027863	-109.6137343
Chinle Cr	01CHINLECR27	34	37.199119	-109.715572
SJ at Mexican Hat	29SANJUANR05	35	37.150758	-109.867672
SJ at Clay Hills	4952942	36	37.293008	-110.399621
Colorado R at Lees Ferry	CGCLR713.70	37	36.921667	-111.483611
Animas above cement	9488	1	37.811202	-107.659167
Cement Creek	CEM49	2	37.819984	-107.663275
Mineral Creek	9447	3	37.8028	-107.67222

03/07/2019	3/7/19 15:30	50	2	1	45	3	0.12	178	15	10	1.4	263
03/08/2019	3/8/19 11:30	34200	2	1.5	413	3	0.21	84.8	21	10	20.1	26100
03/07/2019	3/7/19 16:00	112000	2	1.1	908	4	0.55	109	82	31	66.3	84000
03/07/2019	3/7/19 14:50	52900	2	1.3	549	3	0.25	89	32	16	31.8	41600
03/07/2019	3/7/19 13:30	884000	2	14.2	5150	36	1.7	292	302	223	344	525000
03/07/2019	3/7/19 12:45	103000	2	2	772	4	0.41	104	59	26	52.3	70500
03/07/2019	3/7/19 11:40	215000	2	2	1500	8	0.82	129	132	58	104	152000
03/07/2019	3/7/19 10:15	39400	3.2	15.7	268	3	1.2	272	30	17	56.6	27600
03/06/2019	3/6/19 16:30	537000	2	3.1	3660	22	1.9	229	326	154	238	383000
03/06/2019	3/6/19 15:30	828000	2	3.6	6130	34	2.9	320	479	236	366	571000
03/06/2019	3/6/19 14:20	69000	2	14.9	711	3	1.9	325	49	21	40.8	53700
03/06/2019	3/6/19 12:45	304000	2	22.7	3580	13	2	343	110	58	89.1	148000
03/06/2019	3/6/19 13:30	737000	2	3.6	5900	32	3.2	329	426	224	344	523000
03/06/2019	3/6/19 11:50	736000	2	4.3	5810	31	3.1	348	420	224	317	512000
03/05/2019	3/5/19 14:30	1380000	6	23.6	10200	54	3.7	1160	628	271	150	589000
03/05/2019	3/5/19 17:00	654000	2	6	4380	26	2.4	429	343	161	212	394000
03/06/2019	3/5/19 9:00	676000	2	5.1	5060	27	2.6	451	376	172	234	418000
03/05/2019	3/5/19 9:30	64	2	1.9	85	3	0.12	63.8	15	10	1.5	72
05/14/2019	5/14/19 10:05	500	2	1	21	3	1.8	34.8	15	10	27.7	414
05/14/2019	5/14/19 9:00	3310	2	2.6	28	3	3.2	54.7	15	10	66.3	11000
05/14/2019	5/14/19 10:45	1410	2	1	26	3	0.79	39.5	15	10	15.5	2560
05/14/2019	5/14/19 11:30	1190	2	1	23	3	1.5	41.8	15	10	27.9	2770
05/14/2019	5/14/19 13:20	1070	2	1	39	3	0.57	29.5	15	10	12.6	2040
05/13/2019	5/13/19 18:15	2380	2	1	94	3	0.37	48.4	15	10	7.4	2380
05/14/2019	5/14/19 15:40	4400	2	1.4	112	3	0.61	44	15	10	15.2	4880
05/15/2019	5/15/19 8:35	4680	2	1.3	131	3	0.66	47.3	15	10	12.5	5240
05/15/2019	5/15/19 10:40	6020	2	1.4	149	3	0.8	50.5	15	10	14.4	6170
05/15/2019	5/15/19 11:40	12200	2	2.4	338	3	1.7	69.2	15	10	29.6	13000
05/15/2019	5/15/19 12:30	6000	2	1.3	149	3	0.7	50.2	15	10	13.3	5760
05/15/2019	5/15/19 13:45	5600	2	1.3	142	3	0.62	48.2	15	10	13.4	5590
05/15/2019	5/15/19 14:35	5300	2	1.4	148	3	0.71	52.5	15	10	14.2	5410
05/14/2019	5/14/19 17:30	3280	2	1.2	100	3	0.12	57.9	15	10	3.2	2500
05/13/2019	5/13/19 19:40	4300	2	1	145	3	0.23	60.2	15	10	6.1	3900
05/14/2019	5/14/19 16:00	3310	2	1	115	3	0.27	54.8	15	10	6.8	3090
05/13/2019	5/13/19 19:00	139	2	1.6	100	3	0.12	266	15	10	4.5	141
05/14/2019	5/14/19 16:50	4400	2	1	133	3	0.33	55.5	15	10	7.8	4010
05/14/2019	5/14/19 14:40	3300	2	1	118	3	0.25	55.7	15	10	6.1	2980
05/14/2019	5/14/19 13:00	5590	2	1.1	154	3	0.31	58.4	15	10	8.2	5040
05/14/2019	5/14/19 13:30	4820	2	1	148	3	0.31	53.4	15	10	7.7	4420
05/14/2019	5/14/19 11:20	3890	2	1	127	3	0.26	55.5	15	10	6.8	3420
05/14/2019	5/14/19 8:50	905000	2	1.3	6600	56	2.3	384	395	264	137	678000
05/14/2019	5/14/19 10:30	39100	2	1.7	313	3	0.3	64.9	18	10	21.2	27900
05/15/2019	5/15/19 16:00	19800	2	1.5	239	3	0.47	57.1	15	10	15.4	15100
05/15/2019	5/15/19 16:45	9160	2	1.3	115	3	0.19	92.4	15	10	12.8	9040
05/15/2019	5/15/19 18:30	24700	2	1.5	276	3	0.47	62.4	15	10	16.3	18100
05/15/2019	5/15/19 19:35	27600	2	1.5	286	3	0.33	64.9	15	10	16	19500
05/15/2019	5/15/19 20:05	2130	2	1.9	90	3	0.12	212	15	10	2.5	1070
05/17/2019	5/17/19 8:45	2280	2	3.2	141	3	0.12	76.8	15	10	3.1	1100
05/17/2019	5/17/19 9:15	16600	2	2	263	3	0.8	61.2	15	10	21.7	15200
05/16/2019	5/16/19 8:40	22600	2	1.7	241	3	0.3	60.9	15	10	15.5	16400
05/16/2019	5/16/19 10:45	754000	2	11.3	4770	30	1.7	641	341	130	42	294000
05/16/2019	5/16/19 10:00	24500	2	1.7	319	3	0.43	65.1	17	10	17.3	19700
05/17/2019	5/17/19 11:25	33900	2	1.8	356	3	0.32	72.5	16	10	17.5	24500
05/16/2019	5/16/19 16:45	50	2	1.9	85	3	0.12	69.6	15	10	1	50
06/05/2019	6/5/19 10:50	379	2	1	21	3	1.3	3	15	10	17.6	349
06/05/2019	6/5/19 10:00	2460	2	1.6	28	3	2.7	3	15	10	64.7	7180
06/05/2019	6/5/19 11:00	894	2	1	25	3	0.54	3	15	10	8.4	1830

1	31.8	380	0.25	5	20	2.21	1.3	1	142	1	1	25
14.3	17.6	605	0.25	5	20	8.84	2.1	1	42.9	1	20.9	118
38.8	33.2	1520	0.25	5	52	19.3	2.8	1	55	1	60.6	264
20.3	21	828	0.25	5	23	11	2.7	1	51.8	1	34.2	143
304	127	8340	0.841	5	253	79.1	6.4	1	196	2.8	124	1280
35.4	28.9	1190	0.25	5	39	16.7	2.6	1	57	1	50.9	213
65.4	49.9	2520	0.25	5	92	31.7	3	1	64.8	1	79.1	450
50.2	136	855	0.25	5	30	16.3	21.1	1	192	1.3	73.6	134
146	112	6480	0.599	5	233	72.2	4.9	1	93.9	1.7	140	1070
229	166	10200	0.608	5	357	110	5.5	1	120	2.1	151	1640
43.3	129	1320	0.25	5	59	25.7	5.6	1	112	1.1	67.4	209
121	102	4020	0.376	5	104	74.4	6.5	1	49.4	1.2	92.7	455
223	164	9870	0.81	5	333	101	5.1	1	120	2.4	158	1530
199	169	9580	0.544	5	336	106	4.9	1	113	2.2	149	1530
431	436	13600	0.544	15	576	318	2.9	3	127	20	75.9	1330
189	168	7690	0.25	5	271	111	3.9	1	101	1.7	111	1040
174	177	8250	0.44	5	287	112	4.1	1	101	3	109	1200
1	20.6	5	0.0236	5	20	3.93	2	1	61.4	1	2.4	25
10.9	2.42	885	0.25	5	20	0.924	0.41	1	1.75	1	1	551
17	4.43	1440	0.25	5	20	1.17	0.46	1	2.01	1	1.9	1040
9.5	3.24	188	0.25	5	20	0.726	0.41	1	3.3	1	1	218
11.9	3.22	704	0.25	5	20	0.807	0.41	1	2.36	1	1	509
7.8	4.63	287	0.25	5	20	1.01	0.41	1	2.16	1	1	190
9.1	7.41	193	0.25	5	20	1.83	0.45	1	4.85	1	2.1	112
17.9	7.6	313	0.25	5	20	2.52	0.47	1	4.36	1	4.5	163
20.3	7.94	356	0.25	5	20	2.33	0.5	1	4.74	1	4.6	168
26.4	8.52	442	0.25	5	20	2.81	0.47	1	4.89	1	5.2	209
69.6	11.7	1070	0.25	5	20	4.1	0.62	1	5.43	1	10.6	482
21.3	8.31	386	0.25	5	20	2.7	0.42	1	5.51	1	4.8	179
21.6	7.96	355	0.25	5	20	2.66	0.47	1	6.31	1	4.8	169
21.6	8.31	384	0.25	5	20	2.45	0.57	1	6.57	1	5	172
1.3	9.95	64	0.25	5	20	3.46	1.1	1	44.7	1	3.3	25
8.2	9.68	183	0.25	5	20	2.81	0.6	1	15.7	1	3.6	75
8.1	8.82	160	0.25	5	20	2.34	0.57	1	13.4	1	2.9	80
1	116	150	0.25	5	20	6.38	5.6	1	356	1	2.2	25
10.4	9.23	202	0.25	5	20	2.8	0.57	1	13.9	1	3.5	98
6.8	9.08	152	0.25	5	20	2.49	0.62	1	14.9	1	3.1	75
10.7	9.1	229	0.25	5	20	3.29	0.74	1	12.9	1	5.4	92
11.1	8.63	217	0.25	5	20	2.82	0.7	1	14.7	1	4.2	102
8.1	8.78	178	0.25	5	20	2.64	0.72	1	15.5	1	4.2	73
56.1	156	9500	1.04	5	303	95.5	4.5	1	251	1	67.1	1790
18.7	13.7	441	0.25	5	20	6.04	0.95	1	21.6	1	15	122
18.9	11.1	416	0.25	5	20	4.62	0.81	1	15.3	1	9.5	171
6.2	37.6	137	0.25	5	20	4.69	2.6	1	41.9	1	6.5	53
19.4	12.7	446	0.25	5	20	5.46	0.79	1	17.4	1	10	142
18	13.4	425	0.25	5	20	5.68	0.98	1	20.4	1	10.6	123
1	129	133	0.25	5	20	6.98	2.9	1	156	1	3.2	25
1	28	18	0.25	5.3	20	5.66	3.7	1	173	1	6	25
28.4	12.4	628	0.25	5	20	4.66	0.78	1	14.4	1	10.7	206
15.8	13.2	387	0.25	5	20	5.1	0.92	1	19.8	1	11.4	110
79.6	263	5330	0.291	5	304	165	2.3	1	134	1	29.3	765
19.7	14.5	481	0.25	5	20	5.89	0.93	1	18.7	1	11.9	130
18.6	16.5	539	0.25	5	20	7.22	0.95	1	22.3	1	12.9	129
1	22.1	5	0.25	5	20	3.52	2.4	1	68	1	2.8	25
10.7	1.8	547	0.25	5	20	0.637	0.41	1	1.25	1	1	403
14.7	3.01	1010	0.25	5	20	0.952	0.41	1	1.47	1	1.6	832
6.8	2.23	133	0.25	5	20	0.658	0.41	1	2.18	1	1	132

3100	11	50.00
1400	4.2	1040.00
1700	8.2	2070.00
1400	5.6	1660.00
5100	34	10900.00
1400	5.1	1590.00
1900	9.1	2440.00
2000	11	1890.00
3200	22	4310.00
4100	30	6290.00
2900	8.3	1650.00
4200	14	3030.00
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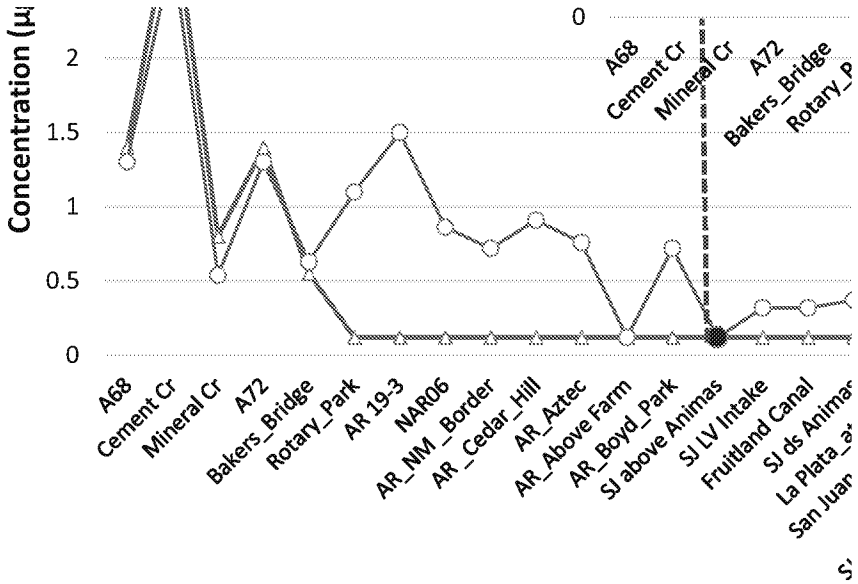
770	2.6	



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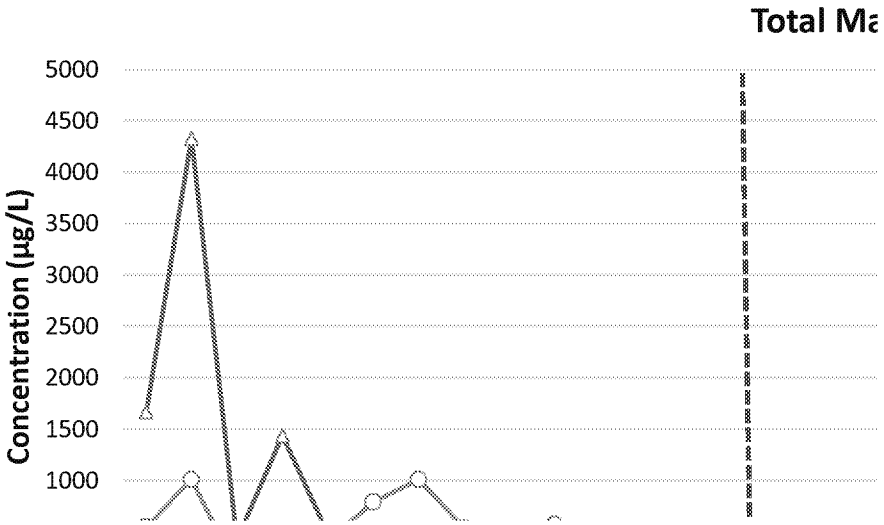
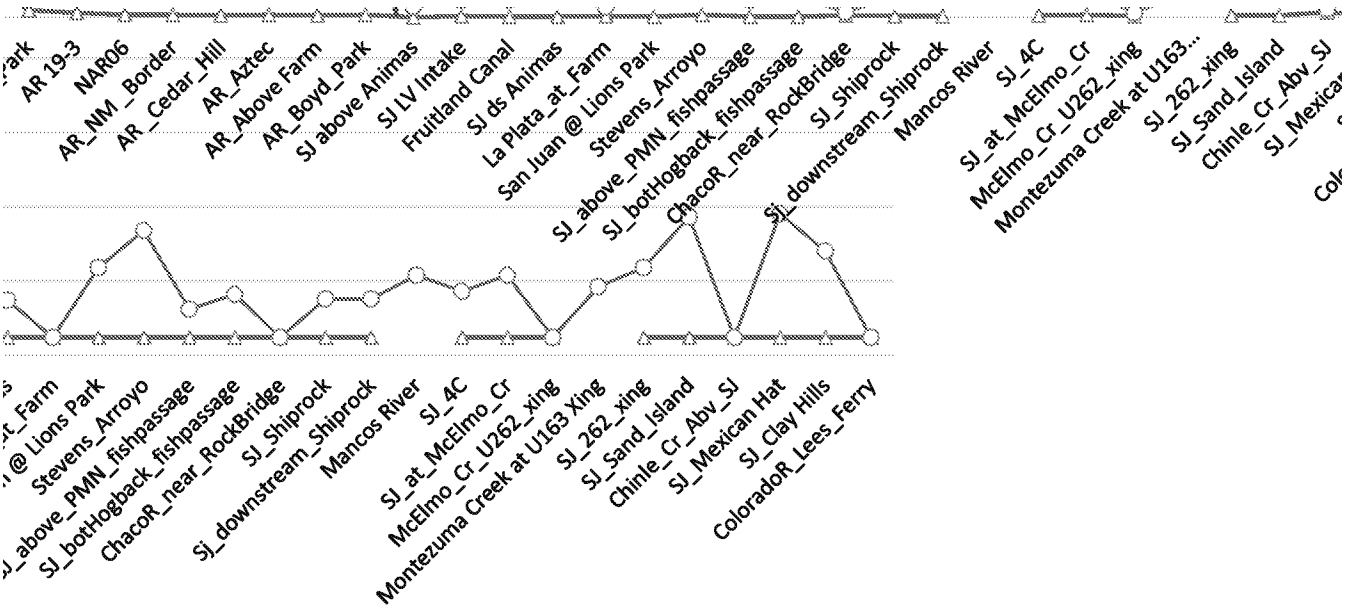
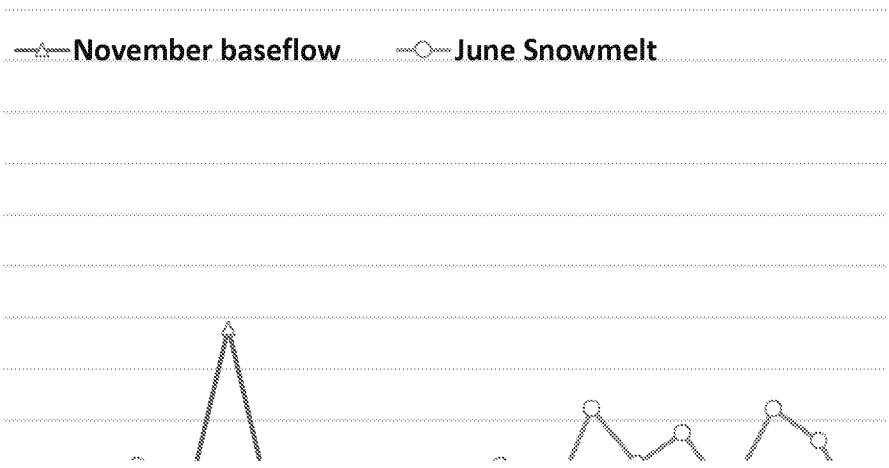



AR 19-3
NAR06
AR_NM _Border
AR_Cedar_Hill
AR_Aztec
AR_Above Farm
AR_Boyd_Park
SJ above Animas
SJ LV Intake
Fruitland Canal
SJ ds Animas
La Plata_at_Farm
San Juan @ Lions Park
Stevens_Arroyo
SJ_above_PMN_fishpassage
SJ_botHogback_fishpassage
ChacoR_near_RockBridge
SJ_Shiprock
SJ_downstream_Shiprock
Mancos River
SJ_4C
SJ_at_McElmo_Cr
McElmo_Cr_U262_xing
Montezuma Creek at U163...
SJ_262_xing
SJ_Sand_Island
Chinle_Cr_Abv_SJ
SJ_Mexican Hat
SJ_Clay Hills
ColoradoR_Lees_Ferry

anganese


November baseflow
June Snowmelt

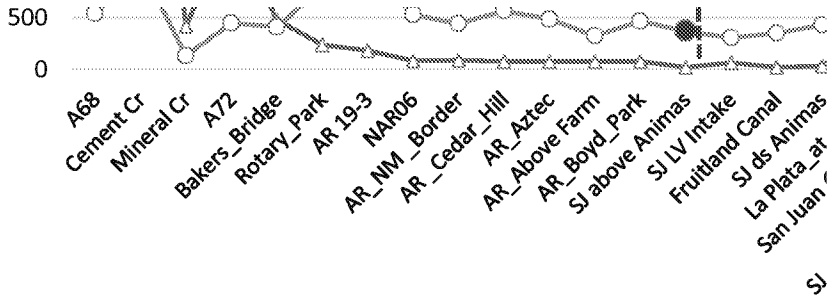
n Hat
SJ_Clay Hills
oradoR_Lees_Ferry

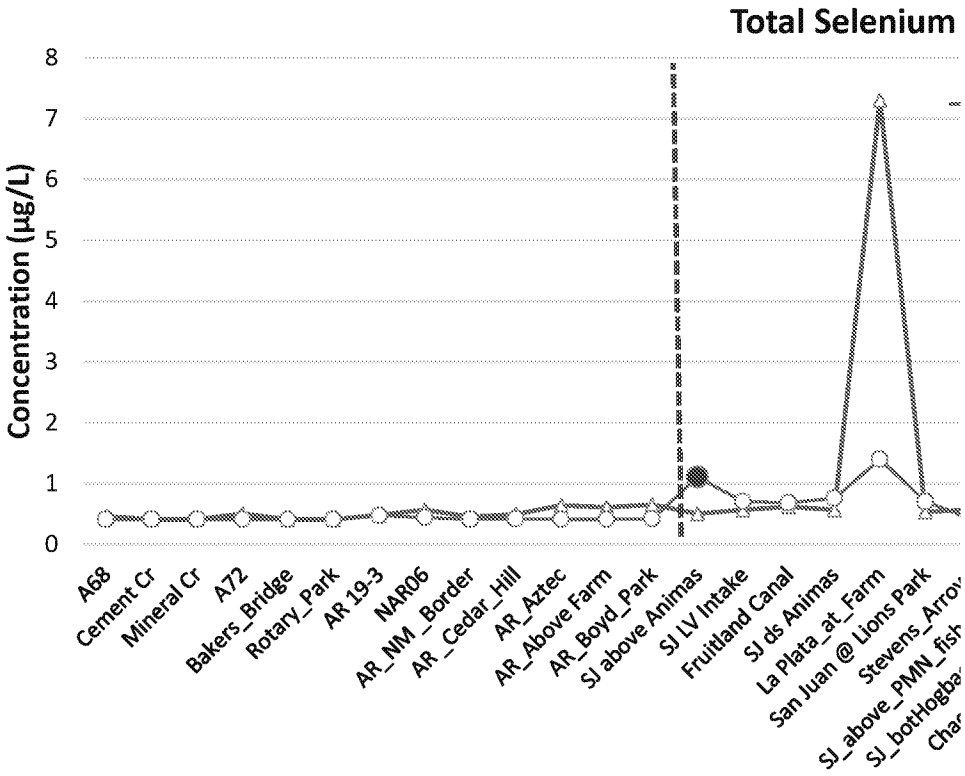
Ar bel Silverton	82	4	37.79027	-107.667578
AR @ Bakers Bridge	81	5	37.45844	-107.7997567
Animas at Rotary Park	9423A	6	37.27456333	-107.8842733
AR @ SUIT 19-3	AR19-3	7	37.213842	-107.854161
AR at SUIT NAR06	NAR6	8	37.02342	-107.87387
AR @ NM Border	66Animas057.0	9	36.983263	-107.86758
AR @ Cedar Hill	ADW-022	10	36.9333	-107.90907
AR @ Aztec	66Animas028.1	11	36.82949	-107.997663
AR above Farmington	66Animas009.8	12	36.750231	-108.146982
AR @ Boyd Park	66Animas001.7	13	36.72303	-108.201611
SJ above Animas	64SanJua101.6	14	36.710914	-108.218192
SJ @ LVW	66SanJua100.2	15	36.730556	-108.251046
Fruitland Canal near headgate	10FRUCANAL40	16	36.73082	-108.25602
SJ DS of the Animas confluence	67SanJua096.3	17	36.73588701	-108.2539868
La Plata @ Farmington City Park	67LaPlat002.3	18	36.737733	-108.250233
San Juan @ Lions Park	67SanJua088.1	19	36.722136	-108.325619
Stevens Arroyo	67Steven000.7	20	36.744115	-108.400245
SJ upstream from PNM fish passage	10SANJUANR38	21	36.7482	-108.41163
SJ @ the bottom of the hogback fish passage	10SANJUANR25	22	36.7454628	-108.5378488
Chaco River	06CHACORIV04	23	36.76674	-108.64237
SJ at Shiprock bridge	10SANJUANR36	24	36.78157	-108.69281
SJ D.S. of Shiprock	10SANJUANR26	25	36.89325249	-108.8785948
Mancos River	07MANCOSRI01	26	36.98314479	-108.9797495
SJ @ Four Corners	02SANJUANR06	27	37.001755	-109.032726
SJ @ McElmo Creek	02SANJUANR09	28	37.215946	-109.192054
McElmo Creek	04MCELMOCR01	29	37.21868389	-109.1904117
Montezuma Creek @ U163 Xing	4953560	30	37.272086	-109.327694
SJ @ 262 Xing	02SANJUANR07	31	37.257788	-109.30975
SJ @ Sand Island	02SANJUAN08	32	37.26027863	-109.6137343
Chinle Creek ABV San Juan	01CHINLECR27	33	37.199119	-109.715572
SJ @ Mexican Hat	29SANJUANR05	34	37.150758	-109.867672
SJ @River Clay Hills	4952942	35	37.293008	-110.399621
Colorado River @ Lees Ferry	CGCLR713.70	36	36.921667	-111.483611

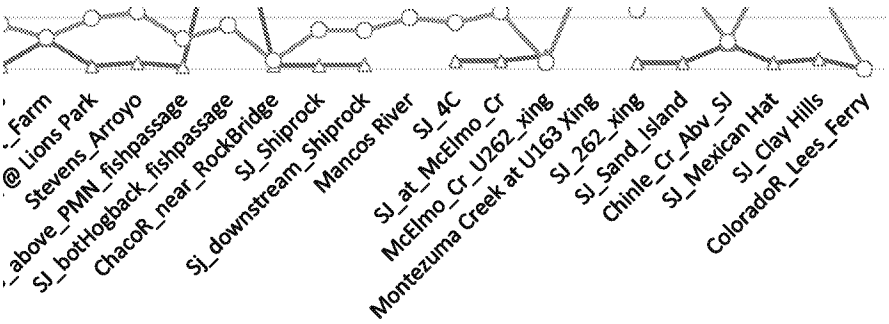
06/04/2019	6/4/19 11:45	862	2	1	24	3	1.3	3	15	10	20.5	1840
06/04/2019	6/4/19 18:00	1830	2	1	41	3	0.63	3	15	10	13.8	3510
06/04/2019	6/4/19 17:15	9060	2	2.1	147	3	1.1	3	15	10	25.5	11200
06/04/2019	6/4/19 15:15	11000	2	2.4	177	3	1.5	3	15	10	31.2	13900
06/05/2019	6/5/19 14:15	5490	2	1.5	125	3	0.86	3	15	10	16.7	6390
06/05/2019	6/5/19 15:00	4690	2	1.2	114	3	0.72	3	15	10	13	5430
06/05/2019	6/5/19 15:30	7190	2	1.6	148	3	0.91	3	15	10	18.6	7850
06/05/2019	6/5/19 16:00	5830	2	1.4	139	3	0.76	3	15	10	15.8	6300
06/05/2019	6/5/19 16:30	3190	2	1	100	3	0.12	3	15	10	1.6	3270
06/06/2019	6/6/19 9:15	5150	2	1.4	138	3	0.72	3	15	10	15.4	5730
06/06/2019	6/6/19 9:45	20100	2	1.8	305	3	0.12	3	15	10	10.6	16800
06/06/2019	6/6/19 11:45	9550	2	1.3	170	3	0.32	3	15	10	10.2	8020
06/06/2019	6/6/19 10:15	13000	2	1.4	212	3	0.32	3	15	10	11.6	10700
06/06/2019	6/6/19 11:00	14500	2	1.6	275	3	0.37	3	15	10	13.5	12900
06/06/2019	6/6/19 12:45	18200	2	1.5	225	3	0.12	3	15	10	11.6	14600
06/07/2019	6/7/19 16:15	10600	2	1.7	226	3	0.59	3	15	10	16.4	10200
06/07/2019	6/7/19 15:00	9100	2	1.9	172	3	0.84	3	15	10	20.6	9310
06/07/2019	6/7/19 15:20	7920	2	1.3	150	3	0.31	3	15	10	10.3	6650
06/06/2019	6/6/19 21:00	13300	2	1.6	242	3	0.41	3	15	10	13.3	11600
06/07/2019	6/7/19 13:15	8310	2	2.1	174	3	0.12	3	15	10	5.3	5080
06/07/2019	6/7/19 12:20	11600	2	1.6	200	3	0.38	3	15	10	12.8	9860
06/07/2019	6/7/19 11:15	13700	2	1.7	210	3	0.38	3	15	10	12.8	11400
06/07/2019	6/7/19 9:30	27400	2	2.1	271	3	0.54	3	27	11	39.9	27100
06/06/2019	6/6/19 18:30	21600	2	1.9	300	3	0.43	3	18	10	17.3	17800
06/06/2019	6/6/19 17:30	24100	2	2.1	338	3	0.54	3	16	10	20.5	20600
06/06/2019	6/6/19 16:30	2240	2	1.8	68	3	0.12	3	15	10	2.2	1280
06/06/2019	6/6/19 10:10	77000	2	5.1	788	3	0.46	3	39	14	18.8	41800
06/06/2019	6/6/19 12:30	24100	2	2.2	316	3	0.59	3	18	10	23	20900
06/06/2019	6/6/19 8:45	35400	2	2.7	455	3	0.93	3	28	13	32.8	31400
06/05/2019	6/5/19 14:00	24400	2	3.6	281	3	0.12	3	17	10	5	12500
06/05/2019	6/5/19 18:00	47000	2	2.8	565	3	0.95	3	33	15	36.7	38900
06/05/2019	6/5/19 20:45	28300	2	2.4	371	3	0.7	3	20	10	24.7	23400
06/04/2019	6/4/19 18:15	50	2	1.7	89	3	0.12	3	15	10	0.97	50

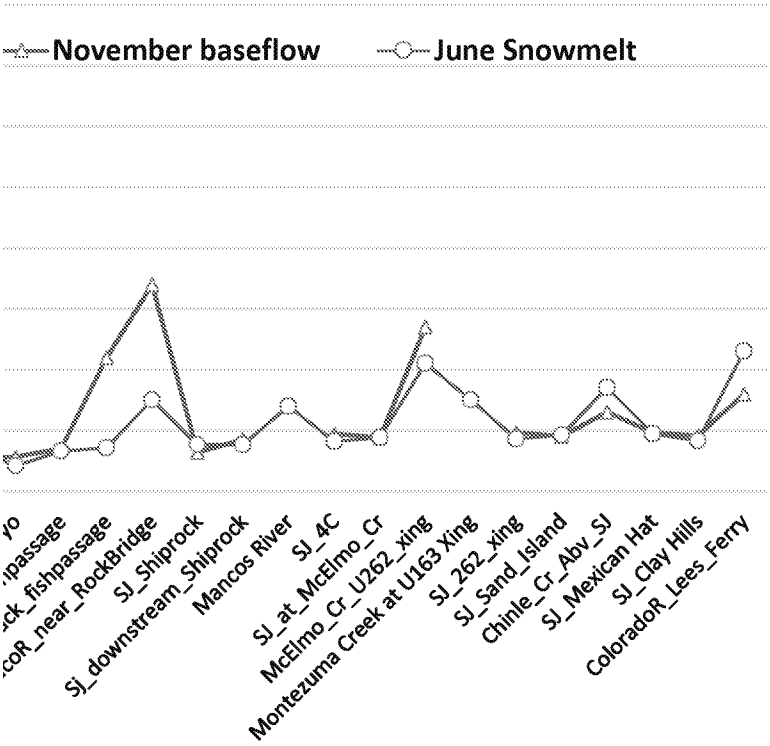
9.7	2.18	455	0.25	5	20	0.633	0.41	1	1.63	1	1	368
11.9	3.44	416	0.25	5	20	1.27	0.41	1	1.5	1	1	194
49.4	7.18	786	0.25	5	20	3.42	0.41	1	2.62	1	6.6	297
59.1	8.06	1010	0.25	5	20	4.05	0.47	1	2.86	1	7.5	387
38.5	6.28	531	0.25	5	20	2.42	0.44	1	3.44	1	4.6	214
26.2	5.95	448	0.25	5	20	2.27	0.41	1	3.47	1	3.5	174
38	6.52	568	0.25	5	20	2.87	0.42	1	3.85	1	5.3	247
31.7	6.32	488	0.25	5	20	2.51	0.41	1	3.88	1	4.6	202
1	5.55	330	0.25	5	20	1.89	0.41	1	4.57	1	1	148
33.9	6.49	472	0.25	5	20	2.41	0.42	1	5.1	1	4.2	202
7.6	10.1	372	0.25	5	20	7.13	1.1	1	21.3	1	8.2	59
14.5	7.57	311	0.25	5	20	4.06	0.7	1	14	1	4.9	94
15	8.17	353	0.25	5	20	4.74	0.68	1	13.5	1	7.1	94
19.3	8.66	433	0.25	5	20	5.25	0.76	1	13.5	1	8	112
7.3	37.1	312	0.25	5	20	7.46	1.4	1	48.4	1	8.2	58
31.4	8.14	496	0.25	5	20	4.28	0.71	1	12.6	1	6.8	174
39.7	6.98	561	0.25	5	20	3.36	0.42	1	7.33	1	6.3	234
16.5	7.29	297	0.25	5	20	3.68	0.66	1	13.2	1	4.5	95
21.4	8.75	429	0.25	5	20	4.95	0.72	1	13.5	1	7.1	123
2.6	34.1	83	0.25	5	20	8.45	1.5	1	141	1	6.1	29
20.1	8.26	386	0.25	5	20	4.6	0.77	1	14.4	1	6	118
19	9.18	379	0.25	5	20	5.29	0.77	1	15.1	1	7.1	113
17.1	27.4	502	0.25	5	27	8.9	1.4	1	16	1	14	112
21.7	11.3	455	0.25	5	20	6.67	0.82	1	15.4	1	10.3	131
27.3	12.8	556	0.25	5	20	7.18	0.88	1	14.7	1	11.3	158
1	101	67	0.25	5	20	5.85	2.1	1	108	1	3.4	25
26.5	37.6	1110	0.25	5	32	20.9	1.5	1	44.6	1	23.6	140
30.5	12.8	577	0.25	5	20	7	0.86	1	15.1	1	11.9	170
44	16.5	877	0.25	5	23	9.12	0.93	1	15.8	1	15.4	264
5.4	21	264	0.25	5	20	10.8	1.7	1	77.6	1	15.2	47
39.8	20.8	1110	0.25	5	31	11.2	0.95	1	16.2	1	17.8	282
31.3	17.3	800	0.25	5	20	7.63	0.83	1	14.6	1	14.5	192
1	21.5	5	0.25	5	20	3.43	2.3	1	63.9	1	2.4	25

240	0.4
130	0.5
230	1.1
250	1.3
250	1
280	1
260	0.8
270	0.9
290	1
290	0.9
420	1.2
370	1
390	1.3
370	1.1
980	3.9
390	1.2
330	1.1
370	1
440	1.4
1800	3.8
400	1.3
410	1.2
610	2.9
460	1.8
490	1.8
2900	5.2
1400	14
520	1.9
610	2.8
870	3.8
800	3.9
720	2.8
660	2.6






_Farm
@ Lions Park
Stevens_Arroyo
_above_PMN_fishpassage
SJ_botHogback_fishpassage
ChacoR_near_RockBridge
SJ_Shiprock
Sj_downstream_Shiprock
Mancos River
SJ_4C
SJ_at_McElmo_Cr
McElmo_Cr_U262_xing
Montezuma Creek at U163 Xing
SJ_262_xing
SJ_Sand_Island
Chinle_Cr_Abv_SJ
SJ_Mexican Hat
SJ_Clay Hills
ColoradoR_Lees_Ferry


November baseflow
June Snowmelt
yo
npassage
ck_fishpassage
coR_near_RockBridge
SJ_Shiprock
Sj_downstream_Shiprock
Mancos River
SJ_4C
SJ_at_McElmo_Cr
McElmo_Cr_U262_xing
Montezuma Creek at U163 Xing
SJ_262_xing
SJ_Sand_Island
Chinle_Cr_Abv_SJ
SJ_Mexican Hat
SJ_Clay Hills
ColoradoR_Lees_Ferry

Dissolved Metals in the Animas and San Juan in the Vicinity of Farmington at their confluence

November

March

May

June

Is The San Juan below the Animas Confluence More than 30% Greater than Above the Confluence? (percentage allows for duplicate variance w

Location	Storet Name	Order	Distance	Lat
AR_Above Farm	66Animas009.8	12	181.7	36.7502310
AR_Boyd_Park	66Animas001.7	13	181.7	36.7230300
Gallegos Canyon	64Galleg000.4	14		36.6958660
SJ above Animas	64SanJua101.6	15		36.7109140
LV Intake	66SanJua100.2	16	196.1	36.7304460
SJ below Animas	67SanJua096.3	17	196.9	36.7358870

Animas above Farmington	66Animas009.8	12	181.7	36.7502310
Animas Boyd Park	66Animas001.7	13	189.4	36.7230300
Gallegos Canyon	64Galleg000.4	14		36.6958660
San Juan River above Animas	64SanJua101.6	15		36.7109140
Lower Valley water users association, in take sampling location	66SanJua100.2	16	196.1	36.7305560
San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870

Animas above Farmington	66Animas009.8	12	181.7	36.7502310
Animas Boyd Park	66Animas001.7	13	189.4	36.7230300
Gallegos Canyon	64Galleg000.4	14		36.6958660
San Juan River above Animas	64SanJua101.6	15		36.7109140
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San Juan River DS of the Animas confluence	67SanJua096.3	17	196.9	36.7358870

re see at this location)

Comparing Animas at Boyd Park to SJ at LVW. (RK 196.1)

			87	30 to 3000
Long	Date	Date:time	Aluminum	Antimony
-108.1469820	11/07/2018	11/7/18 13:20	13	0.22
-108.2016110	11/07/2018	11/7/18 14:10	4	0.22
-108.1125000	11/15/2018	11/15/18 8:45	23.2	0.22
-108.2181920	11/15/2018	11/15/18 10:00	29	0.22
-108.2510460	11/15/2018	11/15/18 11:50	1.7	0.22
-108.2539868	11/15/2018	11/15/18 10:55	1.7	0.22
-108.1469820	181.73	3/9/19 9:15	515	2
-108.2016110	189.39	3/9/19 8:30	108	2
-108.1125000	178.30	3/8/19 14:00	2420	2
-108.2181920	189.00	3/8/19 13:00	289	2
-108.2510460	196.05	3/8/19 10:45	304	2
-108.2539868	196.87	3/8/19 12:00	899	2
			[redacted]	
-108.1469820	05/15/2019	5/15/19 13:45	122	2
-108.2016110	05/15/2019	5/15/19 14:35	90	2
-108.1125000	05/15/2019	5/15/19 15:55	682	2
-108.2181920	05/14/2019	5/14/19 17:30	237	2
-108.2510460	05/13/2019	5/13/19 19:40	125	2
-108.2539868	05/14/2019	5/14/19 16:50	176	2
-108.1469820	06/05/2019	6/5/19 16:30	101	2
-108.2016110	06/06/2019	6/6/19 9:15	118	2
-108.1125000	06/06/2019	6/6/19 8:15	81	2
-108.2181920	06/06/2019	6/6/19 9:45	339	2
-108.2510460	06/06/2019	6/6/19 11:45	264	2
-108.2539868	06/06/2019	6/6/19 11:00	50	2

	Aluminum	Antimony
November	LOW	<LOD
March	LOW	<LOD
May	LOW	<LOD
June	LOW	<LOD

150 to 200

Arsenic
0.53
0.57
1.2
0.71
0.68
0.63

1
1
2.4
1
1
1

1
1
1.6
1.2
1
1

1
1
1.3
1.1
1.3
1

Arsenic
LOW
<LOD
LOW
LOW

exactly 1 (probably at detection limit in both)
greater than 30% below

Key Observations
At peak snowmelt, copper (especially) and zinc do appear to spike the SJ. Not significant at other points in the snowmelt season

Lots of times (almost 40% of the >LOD comparsions) the SJ is greater than the Animas

1000 to 33000

Barium
70.5
68.1
44.9
59.1
61
59.4

227
208
142
92
144
173

66
65
51
77
87
78

49
50
39
83
51
58

SJBelow > SJ Above AND Animas > SJ Above

Barium
1.03
1.57
LOW
LOW

4 to 340

Beryllium
0.13
0.13
0.13
0.13
0.13
0.13

3
3
3
3
3
3

3
3
3
3
3
3

3
3
3
3
3
3

Beryllium
<LOD
<LOD
<LOD
<LOD

Others we expect to see elevated like cadmium and manganese and maybe nickel are not significant by the time the water gets here..

.2 to 6				9 to 50		2.5 to 11		1650 to 2600
.25 to 6		16 to 100	50 to 1000	16 to 50		1000 to 20000	15 tp 10000	200 to 4000
Cadmium	Calcium	Chromium	Cobalt		Copper	Iron	Lead	Magnesium	Manganese
0.12	103	1.1	0.62		0.75	13	0.35	15.1	33.3
0.12	102	1.1	0.62		0.66	8	0.35	15.6	33.7
0.12	211	1.2	0.62		3.5	15	0.35	30.7	2.1
0.12	50	1.1	0.62		1.2	40	0.35	7.72	15.2
0.12	72.9	1.1	0.62		0.81	9	0.35	11.2	25.7
0.12	72.6	1.1	0.62		0.76	8	0.35	10.9	15.3
0.12	93.2	15	10		3.9	473	3.1	14.9	130
0.12	90.5	15	10		4.9	59	1	14.6	31
0.12	212	15	10		11.4	1880	6.7	29.2	214
0.12	61.2	15	10		2.4	148	1	8.86	42
0.12	81.1	15	10		2.6	210	1.1	12.5	58
0.12	86	15	10		6.4	659	4.4	13	193
0.12	40.4	15	10		2	120	1	5.8	44
0.12	40	15	10		1.7	78	1	5.85	35
0.12	170	15	10		5	479	1.1	30.8	36
0.12	50.4	15	10		1.8	248	1	8.46	468
0.12	50.3	15	10		1.6	119	1	7.8	28
0.12	48.3	15	10		2	183	1.4	7.28	36
0.12	31.4	15	10		2.5	152	2.1	4.23	49
0.12	33.2	15	10		2.9	161	2.4	4.44	48
0.12	118	15	10		2.7	61	1	23.5	9
0.12	33.9	15	10		1.9	377	1	5.92	90
0.12	43.9	15	10		5.3	212	1.1	9.61	52
0.12	33.3	15	10		1.6	50	1	5.18	38

Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese
<LOD	1.46	<LOD	<LOD	LOW	LOW	<LOD	1.45	1.69
<LOD	1.33	<LOD	<LOD	1.08	LOW	<LOD	1.41	LOW
<LOD	LOW	<LOD	<LOD	LOW	LOW	<LOD	LOW	LOW
<LOD	LOW	<LOD	<LOD	2.79	LOW	1.10	LOW	LOW

	>LOD	All		
	%	63	**104**	Number of comparsions
	63%		40	Animas less than Upper SJ	38%
			41	each below detection	39%
			14	greater than 30%	13%
			1	lower below confluence than above	1%
			8	greater but less than 30%	8%

Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
	1	90 to 1000		20 to 50	2 to 10		2 to 150	100 to 830	118 to 382 300 to 25,000
0.141	1.1	2.5	3.45	0.6	0.45	32.9	0.17	0.54	1.5
0.079	0.87	3	3.48	0.61	0.45	33.2	0.17	0.55	1.1
0.079	7.7	6	3.14	15.4	0.45	358	0.17	1.6	0.54
0.079	0.18	3.1	2.18	0.42	0.45	34.2	0.17	0.61	4.3
0.079	0.27	2.2	2.78	0.62	0.45	37	0.35	0.55	0.43
0.079	0.28	2.2	2.92	0.57	0.45	36.9	0.17	0.52	0.34
0.25	5	20	3.48	3.3	0.45	35.4	1	2.5	43
0.25	5	20	3.42	3.3	0.45	37.4	1	1	26
0.25	5	20	4.61	16.2	0.45	413	1	11.8	40
0.25	5	20	2.6	0.91	0.45	51.6	1	2.9	25
0.25	5	20	3.19	2.3	0.45	46.9	1	2.3	26
0.25	5	20	3.34	2.2	0.45	46.8	1	5.6	41
0.25	5	44	1.09	0.41	0.45	6.07	1	1	34
0.25	5	35	0.961	0.41	0.45	5.98	1	1	27
0.25	8.1	36	4.22	11.7	0.45	398	1	4	37
0.25	5	468	2.63	0.99	0.45	42.3	1	1.8	25
0.25	5	28	1.62	0.6	0.45	14.3	1	1	29
0.25	5	36	1.46	0.6	0.45	12.6	1	1	33
0.25	5	20	1.05	0.42	0.45	4.2	1	1	32
0.25	5	20	1.03	0.41	0.45	4.63	1	6.1	35
0.25	7.9	20	2.48	8.3	0.45	243	1	2	36
0.25	5	20	2.67	1	0.45	19.6	1	1.7	25
0.25	5	20	7.32	0.88	0.45	59.5	1	1.2	36
0.25	5	20	1.88	0.74	0.45	12.4	1	1	25

Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
<LOD	1.50	LOW	1.28	1.48	<LOD	LOW	<LOD	LOW	LOW
<LOD	<LOD	<LOD	1.23	2.53	<LOD	LOW	<LOD	LOW	1.04
<LOD	<LOD	LOW	LOW	LOW	<LOD	LOW	<LOD	LOW	1.16
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	0.71	1.44

Note, 4 of the exceeds are the anions.

Strontium	Uranium	
1200	1.9	
1200	2	
4100	17	2950
650	1	
880	1.4	
890	1.4	

1600	3
1600	2.7
3700	20
860	2.4
1300	3
1300	3.4

330	0.9
350	1
3700	20
690	1.7
510	1.4
440	1.2

290	0.6
290	0.6
2900	9.8
390	0.8
560	1.3
340	0.6

Strontium	Uranium
1.35	1.40
1.51	1.25
LOW	LOW
LOW	LOW

Is the SJ at RKK 196.9 less than SJ at 196.1 when Animas is higher?

	Aluminum	Antimony
November	LOW	<LOD
March	LOW	<LOD
May	LOW	<LOD
June	LOW	<LOD

The Animas appears to spike the SJ in Selenium, Strontium and Uranium at lower flows.

Arsenic
LOW
<LOD
LOW
LOW

Barium
1.01
1.88
LOW
LOW

Beryllium
<LOD
<LOD
<LOD
<LOD

Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese
<LOD	1.45	<LOD	<LOD	LOW	LOW	<LOD	1.41	1.01
<LOD	1.41	<LOD	<LOD	2.67	LOW	<LOD	1.47	LOW
<LOD	LOW	<LOD	<LOD	LOW	LOW	<LOD	LOW	LOW
<LOD	LOW	<LOD	<LOD	0.84	LOW	1.00	LOW	LOW

Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
<LOD	1.56	LOW	1.34	1.36	<LOD	LOW	<LOD	LOW	LOW
<LOD	<LOD	<LOD	1.28	2.42	<LOD	LOW	<LOD	LOW	1.64
<LOD	<LOD	LOW	LOW	LOW	<LOD	LOW	<LOD	LOW	1.32
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	0.59	1.00

Strontium	Uranium
1.37	1.40
1.51	1.42
LOW	LOW
LOW	LOW

Total Metals in the Animas and San Juan in the Vicinity of Farmington at their confluence

November

March

May

June

Is The San Juan below the Animas Confluence More than 30% Greater than Above the Confluence? (percentage allows for duplicate variance w

Location	Storet Name	Order	Distance
AR_Above Farm	66Animas009.8	12	
AR_Boyd_Park	66Animas001.7	13	
Gallegos Canyon	64Galleg000.4	14	
SJ above Animas	64SanJua101.6	15	
SJ LV Intake	66SanJua100.2	16	
SJ ds Animas	67SanJua096.3	17	
Animas above Farmington	66Animas009.8	12	
Animas Boyd Park	66Animas001.7	13	
Gallegos Canyon	64Galleg000.4	14	
SJ above Animas	64SanJua101.6	15	
Lower Valley water users association, in take sampling location	66SanJua100.2	16	
San Juan River DS of the Animas confluence	67SanJua096.3	17	
AR abv Farmington	66Animas009.8	12	
AR at Boyd Park	66Animas001.7	13	
Gallegos Canyon	64Galleg000.4	14	
SJ above Animas	64SanJua101.6	15	
SJ at LV intake	66SanJua100.2	16	
SJ DS Animas	67SanJua096.3	17	
AR above Farmington	66Animas009.8	12	
AR @ Boyd Park	66Animas001.7	13	
Gallegos Canyon	64Galleg000.4	14	
SJ above Animas	64SanJua101.6	15	
SJ @ LVW	66SanJua100.2	16	
SJ DS of Animas confluence	67SanJua096.3	17	

ve see at this location)

Comparing Animas at Boyd Park to SJ at LVW. (RK 196.1)

Lat	Long	Date
36.750231	-108.146982	11/7/2018
36.72303	-108.201611	11/7/2018
36.695866	-108.1125	11/15/2018
36.710914	-108.218192	11/15/2018
36.730556	-108.251046	11/15/2018
36.73588701	-108.2539868	11/15/2018
36.75	-108.15	03/09/2019
36.72	-108.20	03/09/2019
36.70	-108.11	03/08/2019
36.71	-108.22	03/08/2019
36.73	-108.25	03/08/2019
36.74	-108.25	03/08/2019
36.750231	-108.146982	05/15/2019
36.72303	-108.201611	05/15/2019
36.695866	-108.1125	05/15/2019
36.710914	-108.218192	05/14/2019
36.730556	-108.251046	05/13/2019
36.73588701	-108.2539868	05/14/2019
36.750231	-108.146982	06/05/2019
36.72303	-108.201611	06/06/2019
36.695866	-108.1125	06/06/2019
36.710914	-108.218192	06/06/2019
36.730556	-108.251046	06/06/2019
36.73588701	-108.2539868	06/06/2019

Relative Change in SJ after Animas Enters

Notes:
Influence of Animas on SJ is relatively lower at peak snowmelt than earleir.
Animas always enricheds SJ in: Lead, Zn.
Animas often but not always enricheds in SJ (usually not lowest flow: Cd,
Lots of times (almost 40% of the >LOD comparsions) the SJ is greater than the Animas

Key Observations

ug/L

		6 to 700	10 to 30
Date:time	Aluminum	Antimony	Arsenic
11/7/18 13:20	820	0.22	0.72
11/7/18 14:10	1170	0.22	0.78
11/15/19 8:45		0.7	1.5
11/15/19 10:00	511	0.22	0.8
11/15/19 11:50	1130	0.22	0.86
11/15/19 10:55		0.22	0.75
3/9/19 9:15	23000	2	2.4
3/9/19 8:30	29300	2	2.5
3/8/19 14:00	40600	2	4.7
3/8/19 13:00	25800	2	1.1
3/8/19 10:45	32400	2	1.6
3/8/19 12:00	25600	2	1.7
5/15/19 13:45	5600	2	1.3
5/15/19 14:35	5300	2	1.4
5/15/19 15:55	20500	2	2.3
5/14/19 17:30	3280	2	1.2
5/13/19 19:40	4300	2	1
5/14/19 16:50	4400	2	1
6/5/19 16:30	3190	2	1
6/6/19 9:15	5150	2	1.4
6/6/19 8:15	6200	2	1.6
6/6/19 9:45	20100	2	1.8
6/6/19 11:45	9550	2	1.3
6/6/19 11:00	17400	2	1.7

	Aluminum	Antimony	Arsenic
November	2.21	<LOD	LOW
March	1.26	<LOD	1.45
May	1.31	<LOD	0.83
June	LOW	<LOD	LOW

exactly 1 (probably at detection limit in both)
greater than 30% below

Or at lower flows and not high: Ba, Fe, Al, Cu, Mn, Se, V, St, U

1000 up		4 to 2000	5 to 47		50 to 100	8000	1000 to 6000
	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper
	87.6	0.13	0.12	101	1.1	0.62	1.8
	87.2	0.13	0.12	105	1.1	0.62	2.4
	67.7	0.13	0.12	206	1.2	0.84	5
	67.6	0.13	0.12	50.6	1.1	0.62	1.6
	80.2	0.13	0.12	71.5	1.1	0.62	2.9
	74.2	0.13	0.12	73.2	1.1	0.62	1.5
	424	3	0.33	96.7	15	10	19.7
	464	3	0.3	96.9	15	10	22.1
	272	3	0.12	190	17	10	21.7
	260	3	0.12	60.6	21	10	13.5
	412	3	0.2	84.5	19	10	21.3
	345	3	0.21	84.5	15	10	20.9
	142	3	0.62	48.2	15	10	13.4
	148	3	0.71	52.5	15	10	14.2
	150	3	0.12	199	15	10	9.9
	100	3	0.12	57.9	15	10	3.2
	145	3	0.23	60.2	15	10	6.1
	133	3	0.33	55.5	15	10	7.8
	100	3	0.12	3	15	10	1.6
	138	3	0.72	3	15	10	15.4
	84	3	0.12	3	15	10	4.6
	305	3	0.12	3	15	10	10.6
	170	3	0.32	3	15	10	10.2
	356	3	0.41	3	15	10	14.6

SJBelow > SJ Above AND Animas > SJ Above

Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper
1.19	<LOD	<LOD	1.41	<LOD	<LOD	1.81
1.58	<LOD	1.67	1.39	LOW	<LOD	1.58
1.45	<LOD	1.92	LOW	<LOD	<LOD	1.91
LOW	<LOD	2.67	<LOD	<LOD	<LOD	0.96

	>LOD	All	
%	67	**104**	Number of comparsions
30%		20	Animas less than Upper SJ
		37	each below detection
		35	greater than 30%
		3	lower below confluence than above
		9	greater but less than 30%

850000 50 to 100 31000

Iron	Lead	Magnesium	Manganese
660	1.5	14.7	79.6
934	1.8	15.1	78.9
1690	1.1	31.5	32.6
412	0.35	7.73	20.9
934	0.9	10.8	67.1
474	0.56	10.8	32.4
15900	18.7	17.2	635
20000	18.7	17.3	699
23200	16.9	32.1	404
19100	6.2	12.8	293
24600	14.3	17.1	604
18200	16	15.8	556
5590	21.6	7.96	355
5410	21.6	8.31	384
11900	6.8	32.2	199
2500	1.3	9.95	64
3900	8.2	9.68	183
4010	10.4	9.23	202
3270	1	5.55	330
5730	33.9	6.49	472
3890	2.2	24.9	94
16800	7.6	10.1	372
8020	14.5	7.57	311
15500	19.8	9.24	477

Iron	Lead	Magnesium	Manganese
2.27	2.57	1.40	3.21
1.29	2.31	1.34	2.06
1.56	6.31	LOW	2.86
LOW	1.91	LOW	0.84
			19%
			36%
			34%
			3%
			9%

20 pf 26 are below detect or Animas is lower during peak snowmelt.
Animas effects most evident at lowest flows, low conc.

1 to 1200		2000 to 3000	100 to 4000		20 to 50	35 to 100		2 to 75	6000	2000 to 280000
	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
	0.0811	0.59	4	3.37	0.61	0.45	33.1	0.17	1.6	12
	0.079	0.57	4.3	3.49	0.65	0.45	33.6	0.17	1.8	14.4
		10.9	6.8	4.62	13.8	0.68	352	0.49	4.1	5.5
	0.079	0.18	2.4	2.37	0.51	0.45	34.6	0.17	1.2	1.4
	0.079	0.35	3.3	2.96	0.57	0.45	36.3	0.19	1.7	6.6
		0.32	3.2	2.96	0.57	0.45	36.4	0.17	1.3	5.2
	0.25	5	20	7.41	3	1	33	1	16.3	141
	0.25	5	20	8.4	3	1	34.8	1	19	145
	0.25	5	20	7.47	14.3	1	380	1	31.2	58
	0.25	5	20	6.65	0.98	1	47.2	1	17.8	61
	0.25	5	20	8.37	2.1	1	43.1	1	22.2	110
	0.25	5	20	7.24	2.2	1	42.5	1	21.2	95
	0.25	5	20	2.66	0.47	1	6.31	1	4.8	169
	0.25	5	20	2.45	0.57	1	6.57	1	5	172
	0.25	5	20	5.99	13.2	1	398	1	9.5	37
	0.25	5	20	3.46	1.1	1	44.7	1	3.3	25
	0.25	5	20	2.81	0.6	1	15.7	1	3.6	75
	0.25	5	20	2.8	0.57	1	13.9	1	3.5	98
	0.25	5	20	1.89	0.41	1	4.57	1	1	148
	0.25	5	20	2.41	0.42	1	5.1	1	4.2	202
	0.25	5.4	20	3.56	8.6	1	241	1	4.3	25
	0.25	5	20	7.13	1.1	1	21.3	1	8.2	59
	0.25	5	20	4.06	0.7	1	14	1	4.9	94
	0.326	5	20	6.14	0.7	1	13.7	1	9	126

Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
<LOD	1.94	1.38	1.25	1.12	<LOD	LOW	<LOD	1.42	4.71
<LOD	<LOD	<LOD	1.26	2.14	<LOD	LOW	<LOD	1.25	1.80
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	1.09	3.00
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	LOW	1.59

Note, 4 of the exceeds are the anions.

Strontium	Uranium	
1200	1.9	
1200	2	
4000	17	2950
660	1.1	
890	1.6	
880	1.4	
1600	3.8	50.00
1700	4	
3800	21	
980	3.4	
1400	4.3	
1500	4.9	
290	1	
290	0.9	
3100	11	
420	1.2	
370	1	
360	1.1	

Strontium	Uranium
1.35	1.45
1.43	1.26
<LOD	<LOD
LOW	LOW

Is the SJ at RK 196.9 less than SJ at 196.1 when Animas is higher?

November
March
May
June

The Animas appears to spike the SJ in Selenium, Strontium and Uranium at lower flows.

SJ Flow Dur	Aluminum	Antimony	Arsenic
0.06	0.00	<LOD	LOW
0.24	0.99	<LOD	1.55
0.87	1.34	<LOD	0.83
0.99	LOW	<LOD	LOW

Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper
1.10	<LOD	<LOD	1.45	<LOD	<LOD	0.94
1.33	<LOD	1.75	1.39	LOW	<LOD	1.55
1.33	<LOD	2.75	LOW	<LOD	<LOD	2.44
LOW	<LOD	3.42	<LOD	<LOD	<LOD	1.38

Iron	Lead	Magnesium	Manganese
1.15	1.60	1.40	1.55
0.95	2.58	1.23	1.90
1.60	8.00	LOW	3.16
LOW	2.61	LOW	1.28

Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
<LOD	1.78	1.33	1.25	1.12	<LOD	LOW	<LOD	1.08	3.71
<LOD	<LOD	<LOD	1.09	2.24	<LOD	LOW	<LOD	1.19	1.56
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	1.06	3.92
<LOD	<LOD	<LOD	LOW	LOW	<LOD	LOW	<LOD	LOW	2.14

Strontium	Uranium
1.33	1.27
1.53	1.44
<LOD	<LOD
LOW	LOW