Table 18.1-15 Water quality and flow data on No Name Arroyo between July 29, 1998 and August 12, 2008

Sample ID	Sample date	Flow (cfs)	Alkalinity as CaCO3 (mg/L)	Q	Aluminum, D (mg/L)	Q	Arsenic, D (mg/L)	Barium, D (mg/L)	Bicarbonate as CaCO3 (mg/L)	Q	Boron, D (mg/L)	Cation anion balance (CAB) (%)	Q	Cadmium, D (mg/L)	Calcium, D (mg/L)	Q	Carbonate as CaCO3 (mg/L)	Q	Chloride (mg/L)	Q	Chromium, D (mg/L)	Electrical conductivity (EC) (µs/cm)
Upper No Name[1]	7/29/1998	2	-		-		-	-	132	<	0.05	-		-	35	<	1		8		-	150
Upper No Name[1]	9/30/1998	10	-		-		-	-	180	<	0.05	-		-	42		3		7		-	290
Upper No Name #2	2/13/2008	19	106		0.52		0.0027	0.0287	106		0.5	4.62	<	0.00005	11.5	<	10		19		0.002	197
Upper No Name #3	2/13/2008	19	122		1.65		0.0046	0.0468	122		0.4	12.4	<	0.00005	16.3	<	10	<	10		0.003	217
Upper No Name grab[2]	2/13/2008	19.14	132		0.56		0.0038	0.0361	132		0.3	2.28	<	0.00005	17.9	<	10	<	10		0.003	337
Upper No Name #2	7/21/2008	-	128	<	0.10	<	0.005	0.050	128	<	0.1	3.08		0.0099	17.0	<	10	<	10	<	0.01	205
Upper No Name #3	7/21/2008	-	133	<	0.10	<	0.005	0.053	133	<	0.1	4.53		0.0011	18.5	<	10	<	10	<	0.01	215
Upper No Name #1	8/12/2008	-	119	<	0.10		0.0032	0.0658	119	<	0.1	6.90		0.00025	23.8	<	10	<	10	<	0.001	270
Upper No Name #2	8/12/2008	-	121	<	0.10		0.0023	0.0606	121	<	0.1	3.63	<	0.00005	22.8	<	10	<	10	<	0.001	286
Upper No Name #3	8/12/2008	-	110		0.15		0.0019	0.0583	110	<	0.1	4.07		0.00062	20.3	<	10	<	10	<	0.001	241
Lower No Name #1	8/13/1998	-	-		-		-	-	417		0.2	-		-	92	<	1		11		-	1020
Lower No Name #2	8/14/1998	-	-		-		-	-	232		0.2	-		-	121	<	1		17		-	1050
Lower No Name[1]	9/30/1998	74.00	-		-		-	-	264		0.1	-		-	77	<	1		9		-	730
Lower No Name #1	8/28/2007	-	129	<	0.10		0.0011	0.0474	129	<	0.1	9.65	<	0.00005	45.6	<	10	<	10	<	0.001	612
Lower No Name #2	8/28/2007	-	158	<	0.10		0.0011	0.0500	158	<	0.1	14.2	<	0.00005	39.5	<	10	<	10	<	0.001	498
Lower No Name #1	8/12/2008	-	302	<	0.10		0.0051	0.122	302	<	0.1	3.80	<	0.00005	147	<	10	<	10	<	0.001	1170
Lower No Name #2	8/12/2008	-	270	<	0.10		0.0045	0.111	270		0.2	1.19		0.00095	120	<	10	<	10	<	0.001	1000
Lower No Name #3	8/12/2008	-	320	<	0.10		0.0058	0.138	320		0.2	9.71	<	0.00005	186	<	10	<	10	<	0.001	1330

[1] Sampler designation was only provided if more than one sampler contained water

[2] If water was flowing when the samplers where visited, a grab sample was taken

Q - Qualifier

D - Dissolved

T - Total

cfs - cubic feet per second

mg/L - milligrams per liter

µs/cm - microsiemens per centimeter

su - standard units

[1] Sampler designat

[2] If water was flow

Q - Qualifier

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cfs - cubic feet per

mg/L - milligrams

µs/cm - microsiem

su - standard units

Table 18.1-15 (Continued)

Sample ID	Sample date	Copper, D (mg/L)	Q	Fluoride (mg/L)	Hardness (calc) as CaCO3 (mg/L)	Q	Hydroxide as CaCO3 (mg/L)	Q	Iron, D (mg/L)	Iron, T (mg/L)	Q	Lead, D (mg/L)	Magnesium, D (mg/L)	Q	Manganese, D (mg/L)	Manganese, T (mg/L)	Q	Mercury (mg/L)	Q	Nitrate/Nitrite as N (mg/L)	pH (su)	Q
Upper No Name[1]	7/29/1998	-		0.19	96.9		-		0.58	6020		-	2.1		0.24	1.28		-		-	8.10	
Upper No Name[1]	9/30/1998	-		0.26	114.7		-		0.46	5		-	2.3		0.043	0.13		-		-	8.40	
Upper No Name #2	2/13/2008	0.0067		0.20	32.4	<	10		0.28	66		0.0002	0.9	<	0.005	1.27	<	0.0002		0.26	8.16	
Upper No Name #3	2/13/2008	0.0124		0.30	46.5	<	10		0.80	88		0.0006	1.4		0.008	1.96	<	0.0002		0.33	8.16	
Upper No Name grab[2]	2/13/2008	0.0099		0.30	49.7	<	10		0.41	35		0.0003	1.2	<	0.005	0.40	<	0.0002		0.40	8.12	
Upper No Name #2	7/21/2008	0.007		0.3	47.0	<	10		0.10	108	<	0.001	1.1		0.090	2.55		0.0003		0.04	8.07	
Upper No Name #3	7/21/2008	0.008		0.3	51.2	<	10		0.08	123	<	0.001	1.2		0.115	2.67		0.0003	<	0.02	8.02	
Upper No Name #1	8/12/2008	0.0044	<	0.2	65.6	<	10	<	0.05	7.07	<	0.0001	1.5		0.040	4.36	<	0.0002		0.06	7.83	<
Upper No Name #2	8/12/2008	0.0044	<	0.2	62.7	<	10	<	0.05	3.24	<	0.0001	1.4	<	0.005	1.56	<	0.0002		0.06	7.88	
Upper No Name #3	8/12/2008	0.0042	<	0.2	55.7	<	10		0.10	3.43		0.0002	1.2	<	0.005	2.17	<	0.0002		0.03	7.92	
Lower No Name #1	8/13/1998	-		0.64	273.1		-		0.45	5		-	10.7		0.034	0.13		-		-	7.60	
Lower No Name #2	8/14/1998	-		0.68	359.9		-		0.05	1		-	14.0	<	0.005	0.02		-		-	8.00	
Lower No Name[1]	9/30/1998	-		0.89	229.6		-		3.31	290		-	8.8		0.8	6.38		-		-	7.70	
Lower No Name #1	8/28/2007	0.0072		0.4	132.4	<	10	<	0.05	258	<	0.0001	4.5		0.007	5.79	<	0.0002		2.94	7.91	
Lower No Name #2	8/28/2007	0.0056		0.3	114.7	<	10	<	0.05	419	<	0.0001	3.9		0.010	10.3	<	0.0002		2.94	7.90	<
Lower No Name #1	8/12/2008	0.0057	<	0.2	440.0	<	10		1.59	8.1		0.0092	17.7		0.233	13.1	<	0.0002		0.41	7.29	
Lower No Name #2	8/12/2008	0.0063	<	0.2	360.2	<	10		0.08	16.4		0.0002	14.7		0.568	13.6	<	0.0002		0.06	7.33	
Lower No Name #3	8/12/2008	0.0063	<	0.2	557.6	<	10		0.08	17.0		0.0002	22.6		0.206	25.5	<	0.0002		0.09	7.17	<

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ing when the samplers where visited, a grab sample was taken

second

per liter

ens per centimeter

Table 18.1-15 (Continued)

Sample ID	Sample date	Phosphorous, T (mg/L)	Potassium, D (mg/L)	Sodium adsorption ration (SAR)	Q	Selenium, D (mg/L)	Q	Settleable solids (mL/L)	Q	Silver, D (mg/L)	Sodium, D (mg/L)	Q	Sulfate (mg/L)	Total dissolved solids (TDS) (mg/L)	Total suspended solids (TSS) (mg/L)	Q	Zinc, D (mg/L)
Upper No Name[1]	7/29/1998	-	6.0	0.8	<	0.005		3		-	18.6		16	100	7,400		-
Upper No Name[1]	9/30/1998	-	8.2	0.7	<	0.005		0.1		-	17.3		7	190	1,520		-
Upper No Name #2	2/13/2008	0.26	3.7	-	<	0.001		1.6	<	0.00005	27.4	<	10	320	2,550		0.004
Upper No Name #3	2/13/2008	0.19	4.8	-	<	0.001		3.7		0.00024	35.3	<	10	160	5,520		0.005
Upper No Name grab[2]	2/13/2008	0.29	3.9	-	<	0.001	<	0.5		0.00007	44.9		30	490	367		0.007
Upper No Name #2	7/21/2008	0.12	3.3	0.7	<	0.01		8.4	<	0.0005	24.5	<	10	180	8,100		0.03
Upper No Name #3	7/21/2008	0.09	3.5	0.7	<	0.01		8.4	<	0.0005	25.2	<	10	135	6,780		0.03
Upper No Name #1	8/12/2008	0.05	4.5	-	<	0.001		27.9	<	0.00005	25.9	<	10	220	19,400		0.002
Upper No Name #2	8/12/2008	0.13	4.2	-	<	0.001		18.1	<	0.00005	28.8		16	195	15,900		0.001
Upper No Name #3	8/12/2008	0.79	4.0	-		-		12.3	<	0.00005	23.5	<	10	160	8,170		0.001
Lower No Name #1	8/13/1998	-	13.6	2.0	<	0.005		162		-	82.9		131	530	26,100		-
Lower No Name #2	8/14/1998	-	29.5	2.0	<	0.005		194		-	95.0		383	840	78,400		-
Lower No Name[1]	9/30/1998	-	9.6	1.7	<	0.0		251.0		-	60.6		142	520	36,800		-
Lower No Name #1	8/28/2007	0.12	7.7	-		0.001		121	<	0.00005	64.9		220	445	16,700		0.010
Lower No Name #2	8/28/2007	0.05	10.0	-		0.001		77.7	<	0.00005	44.7		152	385	31,500		0.002
Lower No Name #1	8/12/2008	0.13	11.3	-		0.001		571	<	0.00005	67.1		380	810	394,000		0.001
Lower No Name #2	8/12/2008	35.0	10.8	-		0.001		450	<	0.00005	55.1		265	670	246,000		0.004
Lower No Name #3	8/12/2008	0.05	11.0	-		0.001		670		0.00135	75.4		600	1030	395,000		0.004

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