TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
411-P WCS	55-603227	2565.58 [14]	305 - 484	12/3/2003	345.46	138.54	2219.55	NA	NA
		2565.007 [15]		1/29/2004	345.13	138.87	2219.88	0.33	NA
				2/25/2004	345.01	138.99	2220.00	0.12	NA
				3/30/2004	359.35	124.65	2205.66	-14.34	NA
				4/13/2004	357.17	126.83	2207.84	2.18	NA
				5/10/2004	360.22	123.78	2204.79	-3.05	NA
				6/17/2004	345.46	138.54	2219.55	14.76	NA
		2565.424 [19]		7/28/2004	344.89	139.11	2220.53	0.99	NA
				8/24/2004	342.26	141.74	2223.16	2.63	NA
				9/22/2004	345.04	138.96	2220.38	-2.78	NA
				10/19/2004	NM	NA	NA	NA	NA
				11/17/2004	NM	NA	NA	NA	NA
				12/20/2004	357.44	126.56	2207.98	-12.40	NA
				1/27/2005	354.89	129.11	2210.53	2.55	NA
				2/16/2005	345.11	138.89	2220.31	9.78	NA
				3/14/2005	344.87	139.13	2220.55	0.24	NA
				4/22/2005	345.27	138.73	2220.15	-0.40	NA
				5/16/2005	344.02	139.98	2221.40	1.25	NA
				6/10/2005[20]	343.86	140.14	2221.56	0.16	NA
				6/10/2005[20]	357.76	126.24	2207.66	-13.90	NA
				7/29/2005[20]	344.06	139.94	2221.36	13.70	NA
				7/29/2005[20]	357.35	126.65	2208.07	-13.29	NA
				8/29/2005[20]	343.67	140.33	2221.75	13.68	NA
				8/29/2005[20]	357.70	126.30	2207.72	-14.03	NA
				9/19/2005[20]	344.68	139.32	2220.74	13.02	NA
				9/19/2005[20]	353.08	130.92	2212.34	-8.40	NA
				10/18/2005	NM	NA	NA	NA	NA
				11/14/2005	NM	NA	NA	NA	NA
				12/6/2005	NM	NA	NA	NA	NA
				1/23/2006	NM	NA	NA	NA	NA
				2/27/2006[20]	343.55	140.45	2221.87	9.53	NA
				2/27/2006[20]	357.53	126.47	2207.89	-13.98	NA
				3/20/2006[20]	341.98	142.02	2223.44	15.55	NA
				3/20/2006[20]	347.65	136.35	2217.77	-5.67	NA
				4/3/2006[20]	343.35	140.65	2222.07	4.30	NA
				4/3/2006[20]	347.76	136.24	2217.66	-4.41	NA
				5/30/2006[20]	343.60	140.40	2221.82	4.16	NA
				5/30/2006[20]	355.97	128.03	2209.45	-12.37	NA
				6/16/2006[20]	343.90	140.10	2221.52	12.07	NA
				6/16/2006[20]	355.09	128.91	2210.33	-11.19	NA
				8/31/2006	357.90	126.1	2207.52	-2.81	NA
				9/21/2006[20]	355.04	128.96	2210.38	2.86	NA
				9/21/2006[20]	344.80	139.2	2220.62	13.10	NA
				11/13/2006[20]	346.65	137.35	2218.77	8.39	NA
				11/13/2006[20]	342.24	141.76	2223.18	2.56	NA
				02/06/2007[20]	356.68	127.32	2208.74	-10.03	NA
				02/06/2007[20]	342.92	141.08	2222.50	-0.68	NA
				4/23/2007	341.22	142.78	2224.20	1.70	0.00[24]
				8/6/2007[20]	356.25	127.75	2209.17	-15.03	-15.03
				8/6/2007[20]	343.92	140.08	2221.50	-1.00	-2.70
				11/14/2007	NM[26]	NM	NM	NM	NM
				2/21/2008	NM[28]	NM	NM	NM	NM
				4/7/2008[20]	355.52	128.48	2209.90	NA	-14.30
				4/7/2008[20]	341.99	142.01	2223.43	NA	-0.77
			[32]	6/17/2008	340.11	143.89	2225.31	1.88	1.11
			[32]	7/30/2008	339.02	144.98	2226.40	1.09	2.20
				10/28/2008[20]	346.75	137.25	2218.67	NA	-5.53
				10/28/2008[20]	340.72	143.28	2224.70	-1.70	0.50

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BP-1 WCS	55-589345	2535.48	261 - 436	2/11/2002	326.27	109.73	2209.21	NA	NA
				5/6/2002	325.53	110.47	2209.95	0.74	NA
				8/5/2002	324.93	111.07	2210.55	0.60	NA
				11/25/2002	323.60	112.40	2211.88	1.33	NA
				2/13/2003	323.98	112.02	2211.50	-0.38	NA
				3/17/2003	323.76	112.24	2211.72	0.22	NA
				4/15/2003	324.71	111.29	2210.77	-0.95	-0.95
				4/22/2003	324.69	111.31	2210.79	0.02	-0.93
				4/29/2003	324.73	111.27	2210.75	-0.04	-0.97
				5/6/2003	324.77	111.23	2210.71	-0.04	-1.01
				5/13/2003	324.73	111.27	2210.75	0.04	-0.97
				5/20/2003	324.72	111.28	2210.76	0.01	-0.96
				5/27/2003	324.49	111.51	2210.99	0.23	-0.73
				6/3/2003	324.65	111.35	2210.83	-0.16	-0.89
				8/14/2003	324.00	112.00	2211.48	0.65	-0.24
				9/23/2003	324.68	111.32	2210.80	-0.68	-0.92
				12/1/2003	324.44	111.56	2211.04	0.24	-0.68
				1/29/2004	324.47	111.53	2211.01	-0.03	-0.71
				2/25/2004	324.30	111.70	2211.18	0.17	-0.54
				3/29/2004	325.99	110.01	2209.49	-1.69	-2.23
				4/13/2004	324.55	111.45	2210.93	1.44	-0.79
				5/10/2004	324.05	111.95	2211.43	0.50	-0.29
				6/17/2004	323.76	112.24	2211.72	0.29	0.00
		2535.400 [19]		7/28/2004	323.71	112.29	2211.69	-0.03	-0.03
				8/24/2004	323.66	112.34	2211.74	0.05	0.02
				9/21/2004	323.45	112.55	2211.95	0.21	0.23
				10/19/2004	323.41	112.59	2211.99	0.04	0.27
				11/15/2004	323.65	112.35	2211.75	-0.24	0.03
				12/20/2004	324.36	111.64	2211.04	-0.71	-0.68
				1/27/2005	323.49	112.51	2211.91	0.87	0.19
				2/16/2005	324.42	111.58	2210.98	-0.93	-0.74
				3/14/2005	324.11	111.89	2211.29	0.31	-0.43
				4/22/2005	323.79	112.21	2211.61	0.32	-0.11
				5/16/2005	322.66	113.34	2212.74	1.13	1.02
				6/10/2005	322.42	113.58	2212.98	0.24	1.26
				7/29/2005	322.30	113.70	2213.10	0.12	1.38
				8/29/2005	322.32	113.68	2213.08	-0.02	1.36
				9/19/2005	322.49	113.51	2212.91	-0.17	1.19
				10/18/2005	322.28	113.72	2213.12	0.21	1.40
				11/14/2005	322.23	113.77	2213.17	0.05	1.45
				12/6/2005	322.19	113.81	2213.21	0.04	1.49
				1/23/2006	321.93	114.07	2213.47	0.26	1.75
				2/27/2006	321.31	114.69	2214.09	0.62	2.37
				3/20/2006	321.56	114.44	2213.84	-0.25	2.12
				4/3/2006	321.57	114.43	2213.83	-0.01	2.11
				5/30/2006	321.96	114.04	2213.44	-0.39	1.72
				6/16/2006	321.96	114.04	2213.44	0.00	1.72
				7/13/2006	323.14	112.86	2212.26	-1.18	0.54
				8/29/2006	322.97	113.03	2212.43	0.17	0.71
				9/21/2006	322.05	113.95	2213.35	0.92	1.63
				11/13/2006	321.28	114.72	2214.12	0.77	2.40
				2/5/2007	321.91	114.09	2213.49	-0.63	1.77
				4/25/2007	320.97	115.03	2214.43	0.94	0.00[24]
				8/6/2007	321.51	114.49	2213.89	-0.54	-0.54
				11/14/2007	321.18	114.82	2214.22	0.33	-0.21
				2/21/2008	320.37	115.63	2215.03	0.81	0.60
				4/8/2008	319.81	116.19	2215.59	0.56	1.16
				7/28/2008	319.50	116.50	2215.90	0.31	1.47
				10/28/2008	318.59	117.41	2216.81	0.91	2.38
				12/17/2009	312.96	123.04	2222.44	5.63	8.01
				8/19/2010	308.68	127.32	2226.72	4.28	12.29
				9/19/2011	304.29	131.71	2231.11	4.39	16.68

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BP-2 WCS	55-589349	2540.49	265 - 440	2/12/2002	330.30	109.70	2210.19	NA	NA
				5/6/2002	329.58	110.42	2210.91	0.72	NA
				8/6/2002	329.10	110.90	2211.39	0.48	NA
				11/25/2002	328.64	111.36	2211.85	0.46	NA
				2/13/2003	328.25	111.75	2212.24	0.39	NA
				3/18/2003	327.94	112.06	2212.55	0.31	NA
				4/15/2003	328.75	111.25	2211.74	-0.81	-0.81
				4/22/2003	329.57	110.43	2210.92	-0.82	-1.63
				4/29/2003	329.56	110.44	2210.93	0.01	-1.62
				5/6/2003	329.49	110.51	2211.00	0.07	-1.55
				5/13/2003	329.50	110.50	2210.99	-0.01	-1.56
				5/20/2003	329.45	110.55	2211.04	0.05	-1.51
				5/27/2003	328.36	111.64	2212.13	1.09	-0.42
				6/3/2003	329.40	110.60	2211.09	-1.04	-1.46
				7/25/2003	328.91	111.09	2211.58	0.49	-0.97
				8/14/2003	328.28	111.72	2212.21	0.63	-0.34
				9/23/2003	329.25	110.75	2211.24	-0.97	-1.31
				12/1/2003	328.94	111.06	2211.55	0.31	-1.00
				1/29/2004	329.21	110.79	2211.28	-0.27	-1.27
				2/25/2004	328.91	111.09	2211.58	0.30	-0.97
				3/29/2004	332.86	107.14	2207.63	-3.95	-4.92
				4/13/2004	328.91	111.09	2211.58	3.95	-0.97
				5/10/2004	328.83	111.17	2211.66	0.08	-0.89
				6/17/2004	328.40	111.60	2212.09	0.43	-0.46
		2540.446 [19]		7/28/2004	328.61	111.39	2211.84	-0.25	-0.71
				8/24/2004	328.52	111.48	2211.93	0.09	-0.62
				9/22/2004	328.44	111.56	2212.01	0.08	-0.54
				10/19/2004	328.18	111.82	2212.27	0.26	-0.28
				11/15/2004	328.54	111.46	2211.91	-0.36	-0.64
				12/20/2004	329.23	110.77	2211.22	-0.69	-1.33
				1/27/2005	328.31	111.69	2212.14	0.92	-0.41
				2/16/2005	329.16	110.84	2211.29	-0.85	-1.26
				3/14/2005	328.97	111.03	2211.48	0.19	-1.07
				4/22/2005	328.58	111.42	2211.87	0.39	-0.68
				5/16/2005	327.44	112.56	2213.01	1.14	0.46
				7/29/2005	327.16	112.84	2213.29	0.28	0.74
				8/29/2005	327.18	112.82	2213.27	-0.02	0.72
				9/19/2005	327.28	112.72	2213.17	-0.10	0.62
				10/18/2005	327.20	112.80	2213.25	0.08	0.70
				11/14/2005	327.08	112.92	2213.37	0.12	0.82
				12/6/2005	327.00	113.00	2213.45	0.08	0.90
				1/23/2006	326.77	113.23	2213.68	0.23	1.13
				2/27/2006	326.57	113.43	2213.88	0.20	1.33
				3/20/2006	326.49	113.51	2213.96	0.08	1.41
				4/3/2006	326.46	113.54	2213.99	0.03	1.44
				5/30/2006	326.81	113.19	2213.64	-0.35	1.09
				6/16/2006	326.84	113.16	2213.61	-0.03	1.06
				7/13/2006	327.94	112.06	2212.51	-1.10	-0.04
				8/29/2006	327.83	112.17	2212.62	0.11	0.07
				9/21/2006	325.75	114.25	2214.70	2.08	2.15
				11/13/2006	325.30	114.70	2215.15	0.45	2.60
				2/5/2007	325.89	114.11	2214.56	-0.59	2.01
				4/25/2007	324.93	115.07	2215.52	0.96	0.00[24]
				8/6/2007	326.56	113.44	2213.89	-1.63	-1.63
				11/13/2007	326.28	113.72	2214.17	0.28	-1.35
				2/21/2008	325.33	114.67	2215.12	0.95	-0.40
				4/8/2008	324.77	115.23	2215.68	0.56	0.16
				7/28/2008	324.84	115.16	2215.61	-0.07	0.09
				10/28/2008	323.61	116.39	2216.84	1.23	1.32
				12/17/2009	318.19	121.81	2222.26	5.42	6.74
				8/19/2010	312.77	127.23	2227.68	5.42	12.16
				9/19/2011	308.55	131.45	2231.90	4.22	16.38

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BP-3 WCS	55-589348	2533.45	255 - 430	8/5/2002	327.19	102.81	2206.26	NA	NA
				11/25/2002	326.10	103.90	2207.35	1.09	NA
				2/13/2003	326.08	103.92	2207.37	0.02	NA
				3/17/2003	325.82	104.18	2207.63	0.26	NA
				4/15/2003	325.65	104.35	2207.80	0.17	0.17
				4/22/2003	325.46	104.54	2207.99	0.19	0.36
				4/29/2003	325.34	104.66	2208.11	0.12	0.48
				5/6/2003	325.34	104.66	2208.11	0.00	0.48
				5/13/2003	325.20	104.80	2208.25	0.14	0.62
				5/20/2003	325.15	104.85	2208.30	0.05	0.67
				5/27/2003	325.12	104.88	2208.33	0.03	0.70
				6/3/2003	325.04	104.96	2208.41	0.08	0.78
				8/14/2003	325.10	104.90	2208.35	-0.06	0.72
				9/23/2003	325.41	104.59	2208.04	-0.31	0.41
				12/1/2003	325.44	104.56	2208.01	-0.03	0.38
				1/29/2004	325.27	104.73	2208.18	0.17	0.55
				2/25/2004	324.99	105.01	2208.46	0.28	0.83
				3/29/2004	326.12	103.88	2207.33	-1.13	-0.30
				4/13/2004	325.30	104.70	2208.15	0.82	0.52
				5/10/2004	324.28	105.72	2209.17	1.02	1.54
				6/17/2004	324.04	105.96	2209.41	0.24	1.78
		2533.478 [19]		7/28/2004	323.92	106.08	2209.56	0.15	1.93
				8/24/2004	323.89	106.11	2209.59	0.03	1.96
				9/21/2004	323.74	106.26	2209.74	0.15	2.11
				10/19/2004	323.72	106.28	2209.76	0.02	2.13
				11/15/2004	323.72	106.28	2209.76	0.00	2.13
				12/20/2004	324.56	105.44	2208.92	-0.84	1.29
				1/27/2005	323.55	106.45	2209.93	1.01	2.30
				2/16/2005	324.47	105.53	2209.01	-0.92	1.38
				3/14/2005	324.18	105.82	2209.30	0.29	1.67
				4/22/2005	323.72	106.28	2209.76	0.46	2.13
				5/16/2005	322.53	107.47	2210.95	1.19	3.32
				6/10/2005	322.29	107.71	2211.19	0.24	3.56
				7/29/2005	322.34	107.66	2211.14	-0.05	3.51
				8/29/2005	322.30	107.70	2211.18	0.04	3.55
				9/19/2005	322.40	107.60	2211.08	-0.10	3.45
				10/18/2005	322.37	107.63	2211.11	0.03	3.48
				11/14/2005	322.20	107.80	2211.28	0.17	3.65
				12/6/2005	322.17	107.83	2211.31	0.03	3.68
				1/23/2006	321.89	108.11	2211.59	0.28	3.96
				2/27/2006	321.63	108.37	2211.85	0.26	4.22
				3/20/2006	321.65	108.35	2211.83	-0.02	4.20
				4/3/2006	321.68	108.32	2211.80	-0.03	4.17
				5/30/2006	322.19	107.81	2211.29	-0.51	3.66
				6/16/2006	322.18	107.82	2211.30	0.01	3.67
				7/13/2006	322.96	107.04	2210.52	-0.78	2.89
				8/29/2006	322.97	107.03	2210.51	-0.01	2.88
				9/21/2006	322.79	107.21	2210.69	0.18	3.06
				11/13/2006	322.75	107.25	2210.73	0.04	3.10
				2/5/2007	323.41	106.59	2210.07	-0.66	2.44
				4/26/2007	322.48	107.52	2211.00	0.93	0.00[24]
				8/6/2007	321.71	108.29	2211.77	0.77	0.77
				11/13/2007	321.29	108.71	2212.19	0.42	1.19
				2/21/2008	320.34	109.66	2213.14	0.95	2.14
				4/8/2008	319.62	110.38	2213.86	0.72	2.86
				7/28/2008	319.72	110.28	2213.76	-0.10	2.76
				10/28/2008	318.53	111.47	2214.95	1.19	3.95
				12/17/2009	312.64	117.36	2220.84	5.89	9.84
				8/19/2010	309.77	120.23	2223.71	2.87	12.71
				9/19/2011	305.09	124.91	2228.39	4.68	17.39

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TUCSON, ARIZONA

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BP-4 WCS	55-589347	2547.3	260 - 435	2/12/2002	335.93	99.07	2211.37	NA	NA
				5/6/2002	335.38	99.62	2211.92	0.55	NA
				8/6/2002	334.93	100.07	2212.37	0.45	NA
				11/25/2002	334.44	100.56	2212.86	0.49	NA
				2/13/2003	333.92	101.08	2213.38	0.52	NA
				3/17/2003	333.57	101.43	2213.73	0.35	NA
				4/15/2003	328.76	106.24	2218.54	4.81	4.81
				4/22/2003	328.15	106.85	2219.15	0.61	5.42
				4/29/2003	327.85	107.15	2219.45	0.30	5.72
				5/6/2003	327.62	107.38	2219.68	0.23	5.95
				5/13/2003	327.65	107.35	2219.65	-0.03	5.92
				5/20/2003	327.26	107.74	2220.04	0.39	6.31
				5/27/2003	329.24	105.76	2218.06	-1.98	4.33
				6/3/2003	327.51	107.49	2219.79	1.73	6.06
				7/25/2003	331.10	103.90	2216.20	-3.59	2.47
				8/14/2003	329.95	105.05	2217.35	1.15	3.62
				9/23/2003	330.07	104.93	2217.23	-0.12	3.50
				12/1/2003	330.88	104.12	2216.42	-0.81	2.69
				1/29/2004	329.89	105.11	2217.41	0.99	3.68
				2/25/2004	329.49	105.51	2217.81	0.40	4.08
				3/29/2004	331.62	103.38	2215.68	-2.13	1.95
				4/13/2004	330.13	104.87	2217.17	1.49	3.44
				5/10/2004	328.50	106.50	2218.80	1.63	5.07
				6/17/2004	328.93	106.07	2218.37	-0.43	4.64
		2547.260 [19]		7/28/2004	328.60	106.40	2218.66	0.29	4.93
				8/24/2004	328.51	106.49	2218.75	0.09	5.02
				9/21/2004	328.45	106.55	2218.81	0.06	5.08
				10/19/2004	328.42	106.58	2218.84	0.03	5.11
				11/15/2004	327.82	107.18	2219.44	0.60	5.71
				12/20/2004	328.77	106.23	2218.49	-0.95	4.76
				1/27/2005	327.44	107.56	2219.82	1.33	6.09
				2/16/2005	328.33	106.67	2218.93	-0.89	5.20
				3/14/2005	328.34	106.66	2218.92	-0.01	5.19
	`			4/22/2005	327.71	107.29	2219.55	0.63	5.82
				5/16/2005	326.56	108.44	2220.70	1.15	6.97
				6/10/2005	326.49	108.51	2220.77	0.07	7.04
				7/29/2005	326.69	108.31	2220.57	-0.20	6.84
				8/29/2005	326.38	108.62	2220.88	0.31	7.15
				9/19/2005	326.47	108.53	2220.79	-0.09	7.06
				10/18/2005	326.67	108.33	2220.59	-0.20	6.86
				11/14/2005	326.22	108.78	2221.04	0.45	7.31
				12/6/2005	326.21	108.79	2221.05	0.01	7.32
				1/23/2006	325.96	109.04	2221.30	0.25	7.57
				2/27/2006	325.81	109.19	2221.45	0.15	7.72
				3/20/2006	325.90	109.10	2221.36	-0.09	7.63
				4/3/2006	325.72	109.28	2221.54	0.18	7.81
				5/30/2006	326.02	108.98	2221.24	-0.30	7.51
				6/16/2006	326.09	108.91	2221.17	-0.07	7.44
				8/29/2006	326.96	108.04	2220.30	-0.87	6.57
				9/21/2006	329.23	105.77	2218.03	-2.27	4.30
				11/13/2006	330.81	104.19	2216.45	-1.58	2.72
				2/5/2007	331.42	103.58	2215.84	-0.61	2.11
				4/26/2007	330.04	104.96	2217.22	1.38	0.00[24]
				8/6/2007	326.24	108.76	2221.02	3.80	3.80
				11/13/2007	325.81	109.19	2221.45	0.43	4.23
				2/21/2008	324.97	110.03	2222.29	0.84	5.07
				4/8/2008	324.36	110.64	2222.90	0.61	5.68
				7/30/2008	324.81	110.19	2222.45	-0.45	5.23
				10/28/2008	323.15	111.85	2224.11	1.66	6.89
				12/17/2009	318.26	116.74	2229.00	4.89	11.78
				8/19/2010	317.03	117.97	2230.23	1.23	13.01
				9/19/2011	313.09	121.91	2234.17	3.94	16.95

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
BP-5 WCS	55-589346	2570.38	280 - 455	2/11/2002	349.55	105.45	2220.83	NA	NA
				5/6/2002	349.38	105.62	2221.00	0.17	NA
				8/5/2002	349.08	105.92	2221.30	0.30	NA
				11/25/2002	348.10	106.90	2222.28	0.98	NA
				2/13/2003	348.01	106.99	2222.37	0.09	NA
				3/17/2003	347.80	107.20	2222.58	0.21	NA
				4/15/2003	348.96	106.04	2221.42	-1.16	-1.16
				4/22/2003	348.99	106.01	2221.39	-0.03	-1.19
				4/29/2003	349.21	105.79	2221.17	-0.22	-1.41
				5/6/2003	349.43	105.57	2220.95	-0.22	-1.63
				5/13/2003	349.57	105.43	2220.81	-0.14	-1.77
				5/20/2003	349.74	105.26	2220.64	-0.17	-1.94
				5/27/2003	349.81	105.19	2220.57	-0.07	-2.01
				6/3/2003	349.73	105.27	2220.65	0.08	-1.93
				7/25/2003	349.97	105.03	2220.41	-0.24	-2.17
				8/14/2003	349.62	105.38	2220.76	0.35	-1.82
				9/23/2003	349.24	105.76	2221.14	0.38	-1.44
				12/1/2003	348.99	106.01	2221.39	0.25	-1.19
				1/29/2004	348.40	106.60	2221.98	0.59	-0.60
				2/25/2004	348.45	106.55	2221.93	-0.05	-0.65
				3/29/2004	349.88	105.12	2220.50	-1.43	-2.08
				4/13/2004	349.58	105.42	2220.80	0.30	-1.78
				5/10/2004	348.21	106.79	2222.17	1.37	-0.41
				6/17/2004	348.32	106.68	2222.06	-0.11	-0.52
		2570.310 [19]		7/28/2004	348.12	106.88	2222.19	0.13	-0.39
				8/24/2004	347.84	107.16	2222.47	0.28	-0.11
				9/21/2004	347.98	107.02	2222.33	-0.14	-0.25
				10/19/2004	347.74	107.26	2222.57	0.24	-0.01
				11/15/2004	347.69	107.31	2222.62	0.05	0.04
				12/20/2004	348.51	106.49	2221.80	-0.82	-0.78
				1/27/2005	347.39	107.61	2222.92	1.12	0.34
				2/16/2005	348.46	106.54	2221.85	-1.07	-0.73
				3/14/2005	348.04	106.96	2222.27	0.42	-0.31
				4/22/2005	348.07	106.93	2222.24	-0.03	-0.34
				5/16/2005	346.96	108.04	2223.35	1.11	0.77
				6/10/2005	346.87	108.13	2223.44	0.09	0.86
				7/29/2005	347.00	108.00	2223.31	-0.13	0.73
				8/29/2005	347.00	108.00	2223.31	0.00	0.73
				9/19/2005	347.23	107.77	2223.08	-0.23	0.50
				10/18/2005	347.11	107.89	2223.20	0.12	0.62
				11/14/2005	346.76	108.24	2223.55	0.35	0.97
				12/6/2005	346.77	108.23	2223.54	-0.01	0.96
				1/23/2006	346.42	108.58	2223.89	0.35	1.31
				2/27/2006	346.50	108.50	2223.81	-0.08	1.23
				3/20/2006	346.46	108.54	2223.85	0.04	1.27
				4/3/2006	346.42	108.58	2223.89	0.04	1.31
				5/30/2006	346.57	108.43	2223.74	-0.15	1.16
				6/16/2006	346.63	108.37	2223.68	-0.06	1.10
				7/13/2006	348.53	106.47	2221.78	-1.90	-0.80
				8/29/2006	347.69	107.31	2222.62	0.84	0.04
				9/21/2006	347.39	107.61	2222.92	0.30	0.34
				11/13/2006	346.38	108.62	2223.93	1.01	1.35
				2/5/2007	346.84	108.16	2223.47	-0.46	0.89
				4/24/2007	345.73	109.27	2224.58	1.11	0.00[24]
				8/6/2007	346.56	108.44	2223.75	-0.83	-0.83
				11/13/2007	346.47	108.53	2223.84	0.09	-0.74
				2/20/2008	345.71	109.29	2224.60	0.76	0.02
				4/9/2008	345.24	109.76	2225.07	0.47	0.49
				7/30/2008	343.72	111.28	2226.59	1.52	2.01
				10/28/2008	343.40	111.60	2226.91	0.32	2.33
				12/17/2009	339.40	115.60	2230.91	4.00	6.33
				8/19/2010	336.79	118.21	2233.52	2.61	8.94
				9/19/2011	332.90	122.10	2237.41	3.89	12.83

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
BP-7	55-589343	2579.340	281 - 456	2/11/2002	347.08	108.92	2232.26	NA	NA
				5/6/2002	346.69	109.31	2232.65	0.39	NA
				8/5/2002	346.97	109.03	2232.37	-0.28	NA
				3/17/2003	346.49	109.51	2232.85	0.48	NA
				12/1/2003	346.52	109.48	2232.82	-0.03	-0.03
				5/10/2004	345.55	110.45	2233.79	0.97	0.94
				9/21/2004	345.38	110.62	2233.96	0.17	1.11
				11/15/2004	345.70	110.30	2233.64	-0.32	0.79
				1/27/2005	344.82	111.18	2234.52	0.88	1.67
				2/16/2005	345.81	110.19	2233.53	-0.99	0.68
				3/14/2005	345.51	110.49	2233.83	0.30	0.98
				4/22/2005	345.44	110.56	2233.90	0.07	1.05
				5/16/2005	344.23	111.77	2235.11	1.21	2.26
				6/10/2005	344.24	111.76	2235.10	-0.01	2.25
				9/19/2005	345.02	110.98	2234.32	-0.78	1.47
				11/14/2005	344.97	111.03	2234.37	0.05	1.52
				1/23/2006	344.60	111.40	2234.74	0.37	1.89
				4/3/2006	344.33	111.67	2235.01	0.27	2.16
				8/29/2006	345.17	110.83	2234.17	-0.84	1.32
				9/21/2006	345.06	110.94	2234.28	0.11	1.43
				11/13/2006	344.93	111.07	2234.41	0.13	1.56
				2/7/2007	344.66	111.34	2234.68	0.27	1.83
				4/27/2007	344.15	111.85	2235.19	0.51	0.00[24]
				8/6/2007	344.20	111.80	2235.14	-0.05	-0.05
				11/14/2007	343.92	112.08	2235.42	0.28	0.23
				2/19/2008	343.26	112.74	2236.08	0.66	0.89
				4/8/2008	342.87	113.13	2236.47	0.39	1.28
				7/30/2008	343.27	112.73	2236.07	-0.40	0.88
				10/28/2008	341.49	114.51	2237.85	1.78	2.66
				12/17/2009	337.92	118.08	2241.42	3.57	6.23
				8/19/2010	335.63	120.37	2243.71	2.29	8.52
				9/19/2011	332.28	123.72	2247.06	3.35	11.87
BP-8	55-587095	2602.640	297 - 472	7/24/2001	369.30	102.70	2233.34	NA	NA
				11/5/2001	369.81	102.19	2232.83	-0.51	NA
				2/11/2002	369.49	102.51	2233.15	0.32	NA
				5/6/2002	369.05	102.95	2233.59	0.44	NA
				8/5/2002	369.39	102.61	2233.25	-0.34	NA
				3/17/2003	369.01	102.99	2233.63	0.38	NA
				12/1/2003	368.70	103.30	2233.94	0.31	0.31
				5/10/2004	367.68	104.32	2234.96	1.02	1.33
				9/21/2004	367.36	104.64	2235.28	0.32	1.65
				11/15/2004	367.26	104.74	2235.38	0.10	1.75
				1/27/2005	366.87	105.13	2235.77	0.39	2.14
				2/16/2005	367.89	104.11	2234.75	-1.02	1.12
				3/14/2005	367.62	104.38	2235.02	0.27	1.39
				4/22/2005	367.42	104.58	2235.22	0.20	1.59
				5/16/2005	366.27	105.73	2236.37	1.15	2.74
				6/10/2005	366.28	105.72	2236.36	-0.01	2.73
				9/19/2005	367.08	104.92	2235.56	-0.80	1.93
				11/14/2005	366.99	105.01	2235.65	0.09	2.02
				1/23/2006	366.62	105.38	2236.02	0.37	2.39
				4/3/2006	366.38	105.62	2236.26	0.24	2.63
				8/29/2006	367.31	104.69	2235.33	-0.93	1.70
				9/21/2006	367.22	104.78	2235.42	0.09	1.79
				11/13/2006	367.05	104.95	2235.59	0.17	1.96
				2/7/2007	366.79	105.21	2235.85	0.26	2.22
				4/23/2007	366.35	105.65	2236.29	0.44	0.00[24]
				8/6/2007	366.38	105.62	2236.26	-0.03	-0.03
				11/16/2007	366.15	104.85	2236.49	0.23	0.20
				2/20/2008	365.53	106.47	2237.11	0.62	0.82
				4/8/2008	365.13	106.87	2237.51	0.40	1.22
				7/30/2008	364.56	107.44	2238.08	0.57	1.79
				10/28/2008	363.94	108.06	2238.70	0.62	2.41
				12/12/2008	363.50	108.50	2239.14	0.44	2.85
				12/17/2009	360.42	111.58	2242.22	3.08	5.93
				8/19/2010	358.07	113.93	2244.57	2.35	8.28
				9/19/2011	354.80	117.20	2247.84	3.27	11.55

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
BP-9	55-589342	2581.800	280.5 - 455.5	2/12/2002	342.63	112.87	2239.17	NA	NA
				5/6/2002	342.31	113.19	2239.49	0.32	NA
				8/5/2002	342.84	112.66	2238.96	-0.53	NA
				3/17/2003	342.96	112.54	2238.84	-0.12	NA
				12/1/2003	342.40	113.10	2239.40	0.56	0.56
				5/10/2004	341.44	114.06	2240.36	0.96	1.52
				9/22/2004	341.40	114.10	2240.40	0.04	1.56
				11/15/2004	341.07	114.43	2240.73	0.33	1.89
				5/16/2005	340.20	115.30	2241.60	0.87	2.76
				11/14/2005	340.99	114.51	2240.81	-0.79	1.97
				4/4/2006	340.20	115.30	2241.60	0.79	2.76
				8/29/2006	341.05	114.45	2240.75	-0.85	1.91
				9/21/2006	341.07	114.43	2240.73	-0.02	1.89
				11/13/2006	341.00	114.50	2240.80	0.07	1.96
				2/7/2007	340.72	114.78	2241.08	0.28	2.24
				4/26/2007	339.89	115.61	2241.91	0.83	0.00[24]
				8/6/2007	339.92	115.58	2241.88	-0.03	-0.03
				11/16/2007	339.65	115.85	2242.15	0.27	0.24
				2/19/2008	338.90	116.60	2242.90	0.75	0.99
		2581.605 [29]		4/9/2008	338.10	117.40	2243.51	0.61	1.60
				7/29/2008	337.54	117.96	2244.07	0.56	2.16
				10/28/2008	337.21	118.29	2244.40	0.33	2.49
				12/12/2008	336.67	118.83	2244.94	0.54	3.03
				12/17/2009	333.07	122.43	2248.54	3.60	6.63
				8/18/2010	330.98	124.52	2250.63	2.09	8.72
				9/19/2011	327.68	127.82	2253.93	3.30	12.02
BP-10	55-589341	2594.930	285 - 460	2/12/2002	356.10	103.90	2238.83	NA	NA
				5/7/2002	355.86	104.14	2239.07	0.24	NA
				8/6/2002	356.41	103.59	2238.52	-0.55	NA
				3/18/2003	356.36	103.64	2238.57	0.05	NA
				12/2/2003	355.73	104.27	2239.20	0.63	0.63
				5/10/2004	354.80	105.20	2240.13	0.93	1.56
				9/22/2004	354.58	105.42	2240.35	0.22	1.78
				11/16/2004	354.46	105.54	2240.47	0.12	1.90
				5/16/2005	353.41	106.59	2241.52	1.05	2.95
				11/14/2005	354.30	105.70	2240.63	-0.89	2.06
				4/4/2006	353.55	106.45	2241.38	0.75	2.81
				11/13/2006	354.35	105.65	2240.58	-0.80	2.01
				4/23/2007	353.57	106.43	2241.36	0.78	0.00[24]
				11/14/2007	353.21	106.79	2241.72	0.36	0.36
				2/19/2008	352.55	107.45	2242.38	0.66	1.02
		2594.772 [29]		4/10/2008	352.09	107.91	2242.68	0.30	1.32
				7/30/2008	351.32	108.68	2243.45	0.77	2.09
				10/28/2008	351.02	108.98	2243.75	0.30	2.39
				12/12/2008	350.49	109.51	2244.28	0.53	2.92
				12/17/2009	347.15	112.85	2247.62	3.34	6.26
				9/20/2011	341.73	118.27	2253.04	5.42	11.68

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BP-11	55-588207	2606.970	378 - 478	11/5/2001	365.04	100.00 [2]	2241.93	NA	NA
				2/12/2002	364.63	100.00	2242.34	0.41	NA
				5/6/2002	364.24	100.00	2242.73	0.39	NA
				8/6/2002	365.25	100.00	2241.72	-1.01	NA
				3/17/2003	365.05	100.00	2241.92	0.20	NA
				12/2/2003	364.41	100.00	2242.56	0.64	0.64
				5/10/2004	363.44	100.00	2243.53	0.97	1.61
				9/22/2004	363.21	100.00	2243.76	0.23	1.84
				11/15/2004	363.03	100.00	2243.94	0.18	2.02
				5/16/2005	361.99	100.00	2244.98	1.04	3.06
				11/14/2005	362.94	100.00	2244.03	-0.95	2.11
				4/4/2006	362.22	100.00	2244.75	0.72	2.83
				8/29/2006	363.25	100.00	2243.72	-1.03	1.80
				9/21/2006	363.19	100.00	2243.78	0.06	1.86
				11/13/2006	363.11	100.00	2243.86	0.08	1.94
				2/7/2007	362.87	100.00	2244.10	0.24	2.18
				4/25/2007	362.09	100.00	2244.88	0.78	0.00[24]
				8/6/2007	362.11	100.00	2244.86	-0.02	-0.02
				11/12/2007	362.03	100.00	2244.94	0.08	0.06
				2/19/2008	360.91	100.00	2246.06	1.12	1.18
		2606.776 [29]		4/7/2008	360.36	100.00	2246.42	0.36	1.54
				7/29/2008	359.82	100.00	2246.96	0.54	2.08
				10/28/2008	359.57	100.00	2247.21	0.25	2.33
				12/12/2008	359.03	100.00	2247.75	0.54	2.87
				12/17/2009	355.91	100.00	2250.87	3.12	5.99
				9/20/2011	350.57	100.00	2256.21	5.34	11.33
BP-15	55-589338	2595.450	293.5 - 468.5	2/11/2002	366.73	101.77	2228.72	NA	NA
				5/6/2002	366.18	102.32	2229.27	0.55	NA
				8/5/2002	366.51	101.99	2228.94	-0.33	NA
				3/17/2003	365.87	102.63	2229.58	0.64	NA
				12/1/2003	365.34	103.16	2230.11	0.53	0.53
				5/10/2004	364.08	104.42	2231.37	1.26	1.79
				9/21/2004	363.65	104.85	2231.80	0.43	2.22
				11/15/2004	363.56	104.94	2231.89	0.09	2.31
				5/16/2005	362.45	106.05	2233.00	1.11	3.42
				11/14/2005	363.02	105.48	2232.43	-0.57	2.85
				4/3/2006	362.52	105.98	2232.93	0.50	3.35
				5/30/2006	362.64	105.86	2232.81	-0.12	3.23
				6/16/2006	362.82	105.68	2232.63	-0.18	3.05
				7/13/2006	364.13	104.37	2231.32	-1.31	1.74
				8/29/2006	363.75	104.75	2231.70	0.38	2.12
				9/21/2006	363.56	104.94	2231.89	0.19	2.31
				11/13/2006	363.20	105.30	2232.25	0.36	2.67
				2/7/2007	362.99	105.51	2232.46	0.21	2.88
				4/25/2007	362.51	105.99	2232.94	0.48	0.00[24]
				8/6/2007	362.80	105.70	2232.65	-0.29	-0.29
				11/12/2007	362.66	105.84	2232.79	0.14	-0.15
				2/21/2008	361.87	106.63	2233.58	0.79	0.64
				4/8/2008	361.45	107.05	2234.00	0.42	1.06
				7/30/2008	360.95	107.55	2234.50	0.50	1.56
				10/28/2008	360.30	108.20	2235.15	0.65	2.21
				12/17/2009	357.01	111.49	2238.44	3.29	5.50
				8/19/2010	354.42	114.08	2241.03	2.59	8.09
				9/20/2011	351.35	117.15	2244.10	3.07	11.16

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
BP-16 WCS	55-589337	2602.56	295 - 470	8/5/2002	365.38	104.62	2237.18	NA	NA
				3/17/2003	365.16	104.84	2237.40	0.22	NA
				12/1/2003	364.53	105.47	2238.03	0.63	0.63
				5/10/2004	363.57	106.43	2238.99	0.96	1.59
		2602.525 [19]		8/24/2004	363.36	106.64	2239.17	0.18	1.76
				9/22/2004	363.27	106.73	2239.26	0.09	1.86
				11/15/2004	363.05	106.95	2239.48	0.22	2.07
				2/16/2005	363.74	106.26	2238.79	-0.69	1.38
				5/16/2005	362.12	107.88	2240.41	1.62	3.01
				9/19/2005	363.09	106.91	2239.44	-0.97	2.03
				11/14/2005	362.94	107.06	2239.59	0.15	2.18
				1/23/2006	362.60	107.40	2239.93	0.34	2.53
				4/4/2006	362.26	107.74	2240.27	0.34	2.87
				5/30/2006	362.35	107.65	2240.18	-0.09	2.78
				6/16/2006	362.50	107.50	2240.03	-0.15	2.63
				7/13/2006	363.00	107.00	2239.53	-0.50	2.13
				8/29/2006	363.37	106.63	2239.16	-0.37	1.76
				9/21/2006	363.25	106.75	2239.28	0.12	1.88
				11/13/2006	363.08	106.92	2239.45	0.17	2.05
				2/7/2007	362.97	107.03	2239.56	0.11	2.16
				4/26/2007	362.25	107.75	2240.28	0.72	0.00 [24]
				8/6/2007	362.45	107.55	2240.08	-0.20	-0.20
				11/12/2007	362.29	107.71	2240.24	0.16	-0.04
				2/19/2008	361.48	108.52	2241.05	0.81	0.77
				4/7/2008	360.87	109.13	2241.66	0.61	1.38
				7/29/2008	360.40	109.60	2242.13	0.47	1.85
				10/28/2008	360.01	109.99	2242.52	0.39	2.24
				12/12/2008	359.55	110.45	2242.98	0.46	2.70
				12/17/2009	356.46	113.54	2246.07	3.09	5.79
				8/18/2010	354.17	115.83	2248.36	2.29	8.08
				9/20/2011	350.82	119.18	2251.71	3.35	11.43
BP-19	55-596237	2545.44	245 - 420	3/17/2003	313.67	106.33	2231.77	NA	NA
				12/1/2003	314.24	105.76	2231.20	-0.57	-0.57
				5/10/2004	313.43	106.57	2232.01	0.81	0.24
		2545.433 [19]		9/22/2004	313.75	106.25	2231.68	-0.33	-0.09
				11/15/2004	313.45	106.55	2231.98	0.30	0.21
				5/16/2005	312.32	107.68	2233.11	1.13	1.34
				11/14/2005	313.13	106.87	2232.30	-0.81	0.53
				4/3/2006	312.43	107.57	2233.00	0.70	1.23
				8/29/2006	313.17	106.83	2232.26	-0.74	0.49
				9/21/2006	313.18	106.82	2232.25	-0.01	0.48
				11/13/2006	312.99	107.01	2232.44	0.19	0.67
				2/7/2007	312.75	107.25	2232.68	0.24	0.91
				4/24/2007	312.44	107.56	2232.99	0.31	0.00 [24]
				8/6/2007	312.24	107.76	2233.19	0.20	0.20
				11/13/2007	311.98	108.02	2233.45	0.26	0.46
				2/19/2008	311.13	108.87	2234.30	0.85	1.31
				4/9/2008	310.75	109.25	2234.68	0.38	1.69
				7/30/2008	310.30	109.70	2235.13	0.45	2.14
				10/28/2008	309.44	110.56	2235.99	0.86	3.00
				12/17/2009	305.56	114.44	2239.87	3.88	6.88
				8/19/2010	303.56	116.44	2241.87	2.00	8.88
				9/20/2011	300.01	119.99	2245.42	3.55	12.43
BP-20 WCS		2532.208	280 - 430	9/19/2005	323.75	106.25	2208.46	NA	NA
				10/17/2005	323.53	106.47	2208.68	0.22	NA
				11/14/2005	323.42	106.58	2208.79	0.11	NA
				12/6/2005	323.41	106.59	2208.80	0.01	NA
				1/23/2006	323.13	106.87	2209.08	0.28	NA
				2/27/2006	322.84	107.16	2209.37	0.29	NA
				3/20/2006	322.75	107.25	2209.46	0.09	NA
				4/3/2006	322.76	107.24	2209.45	-0.01	NA
				5/30/2006	323.23	106.77	2208.98	-0.47	NA
				6/16/2006	323.24	106.76	2208.97	-0.01	NA
				7/13/2006	324.25	105.75	2207.96	-1.01	NA
				8/29/2006	324.18	105.82	2208.03	0.07	NA
				9/21/2006	323.76	106.24	2208.45	0.42	NA
				11/13/2006	323.07	106.93	2209.14	0.69	NA
				2/5/2007	323.61	106.39	2208.60	-0.54	NA
				4/25/2007	322.67	107.33	2209.54	0.94	0.00 [24]
				8/6/2007	322.68	107.32	2209.53	-0.01	-0.01
				11/13/2007	322.29	107.71	2209.92	0.39	0.38
				2/21/2008	321.43	108.57	2210.78	0.86	1.24
				4/8/2008	320.79	109.21	2211.42	0.64	1.88
				7/28/2008	320.55	109.45	2211.66	0.24	2.12
				10/28/2008	319.39	110.61	2212.82	1.16	3.28
				12/17/2009	313.42	116.58	2218.79	5.97	9.25
				8/19/2010	309.75	120.25	2222.46	3.67	12.92
				9/19/2011	304.95	125.05	2227.26	4.80	17.72

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
BP-21 WCS		2533.692	280 - 430	9/19/2005	322.44	107.56	2211.25	NA	NA
				10/17/2005	322.24	107.76	2211.45	0.20	NA
				11/14/2005	322.13	107.87	2211.56	0.11	NA
				12/6/2005	322.11	107.89	2211.58	0.02	NA
				1/23/2006	321.84	108.16	2211.85	0.27	NA
				2/27/2006	321.59	108.41	2212.10	0.25	NA
				3/20/2006	321.53	108.47	2212.16	0.06	NA
				4/3/2006	321.50	108.50	2212.19	0.03	NA
				5/30/2006	322.00	108.00	2211.69	-0.50	NA
				6/16/2006	322.02	107.98	2211.67	-0.02	NA
				8/31/2006	322.86	107.14	2210.83	-0.84	NA
				9/21/2006	322.50	107.50	2211.19	0.36	NA
				11/13/2006	322.06	107.94	2211.63	0.44	NA
				2/6/2007	322.70	107.30	2210.99	-0.64	NA
				4/26/2007	321.71	108.29	2211.98	0.99	0.00[24]
				8/6/2007	321.55	108.45	2212.14	0.16	0.16
				11/19/2007	321.13	108.87	2212.56	0.42	0.58
				2/21/2008	320.23	109.77	2213.46	0.90	1.48
				4/8/2008	319.56	110.44	2214.13	0.67	2.15
				7/29/2008	319.52	110.48	2214.17	0.04	2.19
				10/28/2008	318.31	111.69	2215.38	1.21	3.40
				12/17/2009	312.57	117.43	2221.12	5.74	9.14
				8/18/2010	309.40	120.60	2224.29	3.17	12.31
				9/19/2011	304.51	125.49	2229.18	4.89	17.20
BP-22	55-211472	2605.692	358 - 438	5/24/2006	360.76	77.24	2244.93	NA	NA
				11/13/2006	360.66	77.34	2245.03	0.10	NA
				4/23/2007	359.48	78.52	2246.21	1.18	0.00[24]
				11/12/2007	359.29	78.71	2246.40	0.19	0.19
				2/19/2008	358.03	79.97	2247.66	1.26	1.45
				4/7/2008	357.35	80.00 [30]	2248.34	0.68	2.13
				10/28/2008	356.97	80.00 [30]	2248.72	0.38	2.51
				12/12/2008	355.98	80.00 [30]	2249.71	0.99	3.50
				9/20/2011	347.77	80.00 [30]	2257.92	8.21	11.71
BP-23	55-211653	2599.658	350 - 440	5/24/2006	358.53	81.47	2241.13	NA	NA
				11/13/2006	358.31	81.69	2241.35	0.22	NA
				4/23/2007	357.25	82.75	2242.41	1.06	0.00[24]
				11/20/2007	356.62	83.38	2243.04	0.63	0.63
				2/19/2008	355.70	84.30	2243.96	0.92	1.55
		2599.904 [29]		4/7/2008	354.21	85.79	2245.69	1.73	3.28
				10/28/2008	354.46	85.54	2245.44	-0.25	3.03
				12/12/2008	353.61	86.39	2246.29	0.85	3.88
				9/20/2011	344.99	95.01	2254.91	8.62	12.50
BP-24A	55-908056	2567.960	325 - 355	1/21/2008	335.14	19.86	2232.82	NA	NA[26]
				2/19/2008	334.92	20.08	2233.04	0.22	NA[26]
				4/9/2008	334.46	20.54	2233.50	0.46	NA[26]
				7/29/2008	333.92	21.08	2234.04	0.54	NA[26]
				10/28/2008	333.22	21.78	2234.74	0.70	NA[26]
				12/17/2009	329.38	25.62	2238.58	3.84	NA[26]
				8/19/2010	327.11	27.89	2240.85	2.27	NA[26]
				9/20/2011	323.74	31.26	2244.22	3.37	NA[26]
BP-24B	55-908057	2568.013	385 - 405	1/21/2008	333.87	20.00 [2]	2234.14	NA	NA[26]
				4/7/2008	332.27	20.00	2235.74	1.60	NA[26]
				10/28/2008	331.87	20.00	2236.14	0.40	NA[26]
				9/20/2011	322.46	20.00	2245.55	9.41	NA[26]
BP-24C	55-908058	2568.283	440 - 460	1/21/2008	333.84	20.00 [2]	2234.44	NA	NA[26]
				4/7/2008	332.20	20.00	2236.08	1.64	NA[26]
				10/28/2008	331.83	20.00	2236.45	0.37	NA[26]
				9/20/2011	322.39	20.00	2245.89	9.44	NA[26]
BP-25	55-908951	2550.156	300 - 375	5/9/2008	310.85	64.15	2239.31	NA	NA[26]
				6/2/2008	310.73	64.27	2239.43	0.12	NA[26]
				7/30/2008	310.34	64.66	2239.82	0.39	NA[26]
				10/28/2008	309.55	65.45	2240.61	0.79	NA[26]
				12/17/2009	305.65	69.35	2244.51	3.90	NA[26]
				8/19/2010	303.87	71.13	2246.29	1.78	NA[26]
				9/20/2011	300.15	74.85	2250.01	3.72	NA[26]

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
C-020B		2560.50 [21]	225 - 500	10/30/2002	343.40	156.60	2217.10	NA	NA
				1/10/2003	343.00	157.00	2217.50	0.40	NA
				1/29/2003	343.00	157.00	2217.50	0.00	NA
				4/11/2003	342.90	157.10	2217.60	0.10	NA
				8/6/2003	343.50	156.50	2217.00	-0.60	NA
				10/6/2003	343.40	156.60	2217.10	0.10	NA
				1/7/2004	342.70	157.30	2217.80	0.70	NA
				2/18/2004	342.90	157.10	2217.60	-0.20	NA
				3/16/2004	342.80	157.20	2217.70	0.10	NA
				10/15/2004	342.30	157.70	2218.20	0.50	NA
				2/14/2005	341.80	158.20	2218.70	0.50	NA
				5/19/2005	341.60	158.40	2218.90	0.20	NA
		2562.695 [22]		10/17/2005	338.69	161.31	2224.01	NA	NA
				11/14/2005	338.87	161.13	2223.83	-0.18	NA
				12/6/2005	339.91	160.09	2222.79	-1.04	NA
				1/23/2006	339.57	160.43	2223.13	0.34	NA
				2/27/2006	339.49	160.51	2223.21	0.08	NA
				3/20/2006	339.43	160.57	2223.27	0.06	NA
				4/4/2006	339.48	160.52	2223.22	-0.05	NA
				5/30/2006	339.53	160.47	2223.17	-0.05	NA
				6/16/2006	339.59	160.41	2223.11	-0.06	NA
C-022A	55-620023	2585.24	#168 - 391	7/23/2001	355.17	35.83	2230.07	NA	NA
		2585.23 [3]		11/5/2001	355.81	35.19	2229.42	-0.65	NA
				2/12/2002	355.47	35.53	2229.76	0.34	NA
				5/6/2002	355.26	35.74	2229.97	0.21	NA
				8/5/2002	355.38	35.62	2229.85	-0.12	NA
				3/17/2003	354.81	36.19	2230.42	0.57	NA
				12/2/2003	355.07	35.93	2230.16	-0.26	-0.26
				5/10/2004	354.32	36.68	2230.91	0.75	0.49
		2585.258 [19]		9/22/2004	354.26	36.74	2231.00	0.09	0.58
				11/16/2004	354.18	36.82	2231.08	0.08	0.66
				5/16/2005	353.08	37.92	2232.18	1.10	1.76
				11/14/2005	353.62	37.38	2231.64	-0.54	1.22
				4/3/2006	353.07	37.93	2232.19	0.55	1.77
				11/13/2006	353.51	37.49	2231.75	-0.44	1.33
				4/23/2007	352.91	38.09	2232.35	0.60	0.00 [24]
				11/12/2007	352.91	38.09	2232.35	0.00	0.00
				2/20/2008	352.13	38.87	2233.13	0.78	0.78
				4/7/2008	354.21	36.79	2231.05	-2.08	-1.30
				10/28/2008	350.26	40.74	2235.00	3.95	2.65
				9/19/2011	341.03	49.97	2244.23	9.23	11.88

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C-026A WCS	55-620027	2539.79 [3]	#130 - 537	8/1/2001	330.22	206.78	2209.57	NA	NA
				11/5/2001	329.69	207.31	2210.10	0.53	NA
				2/12/2002	328.73	208.27	2211.06	0.96	NA
				5/6/2002	328.04	208.96	2211.75	0.69	NA
				8/6/2002	327.57	209.43	2212.22	0.47	NA
				11/26/2002	327.28	209.72	2212.51	0.29	NA
				2/13/2003	326.92	210.08	2212.87	0.36	NA
				3/18/2003	326.77	210.23	2213.02	0.15	NA
				4/15/2003	327.35	209.65	2212.44	-0.58	-0.58
				4/22/2003	330.95	206.05	2208.84	-3.60	-4.18
				4/29/2003	330.97	206.03	2208.82	-0.02	-4.20
				5/6/2003	330.99	206.01	2208.80	-0.02	-4.22
				5/13/2003	331.00	206.00	2208.79	-0.01	-4.23
				5/20/2003	330.29	206.71	2209.50	0.71	-3.52
				5/27/2003	328.52	208.48	2211.27	1.77	-1.75
				6/3/2003	330.93	206.07	2208.86	-2.41	-4.16
				7/25/2003	328.81	208.19	2210.98	2.12	-2.04
				8/14/2003	328.66	208.34	2211.13	0.15	-1.89
				9/23/2003	330.21	206.79	2209.58	-1.55	-3.44
				12/2/2003	329.53	207.47	2210.26	0.68	-2.76
				1/29/2004	330.41	206.59	2209.38	-0.88	-3.64
				2/25/2004	327.91	209.09	2211.88	2.50	-1.14
				3/29/2004	332.34	204.66	2207.45	-4.43	-5.57
				4/13/2004	330.27	206.73	2209.52	2.07	-3.50
				5/10/2004	330.21	206.79	2209.58	0.06	-3.44
				6/17/2004	330.07	206.93	2209.72	0.14	-3.30
		2540.153 [19]		7/28/2004	330.33	206.67	2209.82	0.10	-3.20
				8/24/2004	330.38	206.62	2209.77	-0.05	-3.25
				9/22/2004	330.08	206.92	2210.07	0.30	-2.95
				10/19/2004	329.73	207.27	2210.42	0.35	-2.60
				11/17/2004	326.71	210.29	2213.44	3.02	0.42
				12/20/2004	330.94	206.06	2209.21	-4.23	-3.81
				1/27/2005	329.76	207.24	2210.39	1.18	-2.63
				2/17/2005	330.67	206.33	2209.48	-0.91	-3.54
				3/14/2005	330.46	206.54	2209.69	0.21	-3.33
				4/22/2005	330.06	206.94	2210.09	0.40	-2.93
				5/16/2005	328.97	208.03	2211.18	1.09	-1.84
				6/10/2005	328.63	208.37	2211.52	0.34	-1.50
				7/29/2005	328.61	208.39	2211.54	0.02	-1.48
				8/29/2005	328.67	208.33	2211.48	-0.06	-1.54
				9/19/2005	328.83	208.17	2211.32	-0.16	-1.70
				10/18/2005	328.66	208.34	2211.49	0.17	-1.53
				11/14/2005	328.64	208.36	2211.51	0.02	-1.51
				12/6/2005	328.51	208.49	2211.64	0.13	-1.38
				1/23/2006	328.28	208.72	2211.87	0.23	-1.15
				2/27/2006	328.10	208.90	2212.05	0.18	-0.97
				3/20/2006	328.43	208.57	2211.72	-0.33	-1.30
				4/3/2006	328.40	208.60	2211.75	0.03	-1.27
				5/30/2006	328.33	208.67	2211.82	0.07	-1.20
				6/16/2006	328.34	208.66	2211.81	-0.01	-1.21
				8/31/2006	329.82	207.18	2210.33	-1.48	-2.69
				9/21/2006	324.62	212.38	2215.53	5.20	2.51
				11/13/2006	324.12	212.88	2216.03	0.50	3.01
				4/24/2007	323.57	213.43	2216.58	0.55	0.00[24]
				8/6/2007	328.04	208.96	2212.11	-4.47	-4.47
				11/14/2007	327.83	209.17	2212.32	0.21	-4.26
				2/20/2008	326.99	210.01	2213.16	0.84	-3.42
				4/7/2008	325.95	211.05	2214.20	1.04	-2.38
				6/17/2008	321.70	215.30	2218.45	4.25	1.87
				7/28/2008	326.52	210.48	2213.63	-4.82	-2.95
				10/28/2008	325.28	211.72	2214.87	1.24	-1.71
				9/22/2011	307.35	229.65	2232.80	17.93	16.22

TABLE 1
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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
C-026B WCS	55-620028	2539.20 [4]	280 - 520	11/26/2002	327.35	192.65	2211.85	NA	NA
		[8]		2/13/2003	326.23	193.77	2212.97	1.12	NA
				3/18/2003	325.71	194.29	2213.49	0.52	NA
				4/15/2003	326.97	193.03	2212.23	-1.26	-1.26
				4/22/2003	NM	NA	NA	NA	NA
				4/29/2003	NM	NA	NA	NA	NA
				5/6/2003	NM	NA	NA	NA	NA
				5/13/2003	NM	NA	NA	NA	NA
				5/20/2003	NM	NA	NA	NA	NA
				5/27/2003	NM	NA	NA	NA	NA
		2540.20 [11]		6/3/2003	370.24	149.76	2169.96	-42.27	-43.53
				7/18/2003	348.75	171.25 [12]	2191.45	21.49	-22.04
				8/14/2003	NM	NA	NA	NA	NA
				9/23/2003	354.90	165.10 [13]	2185.30	-6.15	-28.19
		2539.35 [14]		12/2/2003	348.55	171.45	2190.80	5.50	-22.69
				1/29/2004	354.70	165.30	2184.65	-6.15	-28.84
		[16]		2/25/2004	353.00	167.00	2186.35	1.70	-27.14
		[16]		3/29/2004	368.00	152.00	2171.35	-15.00	-42.14
		[16]		4/13/2004	365.00	155.00	2174.35	3.00	-39.14
		[16]		5/10/2004	367.00	153.00	2172.35	-2.00	-41.14
		[16]		6/17/2004	368.00	152.00	2171.35	-1.00	-42.14
		2539.244 [16, 19]		7/28/2004	368.00	152.00	2171.24	-0.11	-42.25
		[16]		8/24/2004	368.00	152.00	2171.24	0.00	-42.25
		[16]		9/21/2004	369.05	150.95	2170.19	-1.05	-43.30
		[16]		10/19/2004	368.00	152.00	2171.24	1.05	-42.25
		[16]		11/15/2004	369.00	151.00	2170.24	-1.00	-43.25
		[16]		12/20/2004	369.00	151.00	2170.24	0.00	-43.25
		[16]		1/27/2005	370.00	150.00	2169.24	-1.00	-44.25
		[16]		2/17/2005	370.00	150.00	2169.24	0.00	-44.25
		[16]		3/14/2005	370.00	150.00	2169.24	0.00	-44.25
		[16]		4/22/2005	370.00	150.00	2169.24	0.00	-44.25
		[16]		5/16/2005	371.00	149.00	2168.24	-1.00	-45.25
		[16]		6/10/2005	371.00	149.00	2168.24	0.00	-45.25
		[16]		7/29/2005	372.00	148.00	2167.24	-1.00	-46.25
		[16]		8/29/2005	372.00	148.00	2167.24	0.00	-46.25
		[16]		9/19/2005	373.00	147.00	2166.24	-1.00	-47.25
		[16]		10/18/2005	373.00	147.00	2166.24	0.00	-47.25
		[16]		11/14/2005	373.00	147.00	2166.24	0.00	-47.25
		[16]		12/6/2006	376.00	144.00	2163.24	-3.00	-50.25
		[16]		1/23/2006	376.00	144.00	2163.24	0.00	-50.25
		[16]		2/27/2006	377.00	143.00	2162.24	-1.00	-51.25
		[16]		3/20/2006	377.00	143.00	2162.24	0.00	-51.25
		[16]		4/3/2006	377.00	143.00	2162.24	0.00	-51.25
		[16]		5/30/2006	378.00	142.00	2161.24	-1.00	-52.25
		[16]		6/16/2006	379.00	141.00	2160.24	-1.00	-53.25
		[16]		8/29/2006	381.00	139.00	2158.24	-2.00	-55.25
		[16]		9/21/2006	326.00	194.00	2213.24	55.00	-0.25
		[16]		11/13/2006	324.00	196.00	2215.24	2.00	1.75
		[16]		2/5/2007	324.00	196.00	2215.24	0.00	1.75
		[16]		4/23/2007	323.00	197.00	2216.24	1.00	0.00 [24]
		[16]		8/6/2007	375.00	145.00	2164.24	-52.00	-52.00
		[16]		11/14/2007	374.00	146.00	2165.24	1.00	-51.00
		[16]		2/20/2008	376.00	144.00	2163.24	-2.00	-53.00
		[16]		4/7/2008	378.00	142.00	2161.24	-2.00	-55.00
		[16]		7/29/2008	378.00	142.00	2161.24	0.00	-55.00
		[16]		10/28/2008	378.00	142.00	2161.24	0.00	-55.00
		[16]		12/17/2009	375.00	145.00	2164.24	3.00	-52.00
		[16]		6/3/2011	309.68	210.32	2229.56	65.32	13.32
		[16]		9/20/2011	308.62	211.38	2230.62	1.06	14.38

TABLE 1
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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
C-056A	55-619992	2532.43	#125 - 484	8/1/2001	321.22	162.78	2211.21	NA	NA
		2532.42 [3]		11/5/2001	320.92	163.08	2211.50	0.29	NA
				2/11/2002	319.74	164.26	2212.68	1.18	NA
				5/6/2002	318.82	165.18	2213.60	0.92	NA
				8/5/2002	318.24	165.76	2214.18	0.58	NA
				3/17/2003	317.45	166.55	2214.97	0.79	NA
				12/1/2003	317.83	166.17	2214.59	-0.38	-0.38
				2/25/2004	317.60	166.40	2214.82	0.23	-0.15
				3/30/2004	328.53	155.47	2203.89	-10.93	-11.08
				4/13/2004	318.72	165.28	2213.70	9.81	-1.27
				5/10/2004	317.30	166.70	2215.12	1.42	0.15
				6/17/2004	317.31	166.69	2215.11	-0.01	0.14
				7/28/2004	317.16	166.84	2215.26	0.15	0.29
				8/24/2004	317.11	166.89	2215.31	0.05	0.34
				9/21/2004	317.11	166.89	2215.31	0.00	0.34
				7/29/2005	315.84	168.16	2216.58	1.27	1.61
				8/29/2005	315.73	168.27	2216.69	0.11	1.72
				9/19/2005	315.80	168.20	2216.62	-0.07	1.65
				10/17/2005	315.67	168.33	2216.75	0.13	1.78
		2532.301 [23]		11/14/2005	315.57	168.43	2216.73	-0.02	1.76
				12/6/2005	315.48	168.52	2216.82	0.09	1.85
				1/23/2006	315.24	168.76	2217.06	0.24	2.09
				2/27/2006	315.03	168.97	2217.27	0.21	2.30
				3/20/2006	314.94	169.06	2217.36	0.09	2.39
				4/3/2006	314.85	169.15	2217.45	0.09	2.48
				5/30/2006	314.95	169.05	2217.35	-0.10	2.38
				6/16/2006	315.24	168.76	2217.06	-0.29	2.09
				8/31/2006	316.41	167.59	2215.89	-1.17	0.92
				9/21/2006	316.23	167.77	2216.07	0.18	1.10
				2/21/2008	313.83	170.17	2218.47	2.40	NA[31]
C-058A WCS	55-619994	2542.54	140 - 488	8/1/2001	344.04	143.96	2198.50	NA	NA
				11/5/2001	342.65	145.35	2199.89	1.39	NA
				2/11/2002	341.14	146.86	2201.40	1.51	NA
				5/6/2002	340.07	147.93	2202.47	1.07	NA
				8/5/2002	339.95	148.05	2202.59	0.12	NA
				3/17/2003	334.67	153.33	2207.87	5.28	NA
				12/1/2003	337.92	150.08	2204.62	-3.25	-3.25
				2/25/2004	337.22	150.78	2205.32	0.70	-2.55
				3/30/2004	350.92	137.08	2191.62	-13.70	-16.25
				4/13/2004	338.01	149.99	2204.53	12.91	-3.34
				5/10/2004	336.23	151.77	2206.31	1.78	-1.56
				6/17/2004	335.95	152.05	2206.59	0.28	-1.28
		2542.439 [19]		7/28/2004	335.81	152.19	2206.63	0.04	-1.24
				8/24/2004	335.75	152.25	2206.69	0.06	-1.18
				9/21/2004	335.78	152.22	2206.66	-0.03	-1.21
				10/19/2004	335.70	152.30	2206.74	0.08	-1.13
				11/17/2004	335.84	152.16	2206.60	-0.14	-1.27
				12/20/2004	336.77	151.23	2205.67	-0.93	-2.20
				1/27/2005	335.53	152.47	2206.91	1.24	-0.96
				2/17/2005	336.41	151.59	2206.03	-0.88	-1.84
				3/14/2005	336.13	151.87	2206.31	0.28	-1.56
				4/22/2005	335.61	152.39	2206.83	0.52	-1.04
				5/16/2005	334.36	153.64	2208.08	1.25	0.21
				6/10/2005	334.11	153.89	2208.33	0.25	0.46
				7/29/2005	334.42	153.58	2208.02	-0.31	0.15
				8/29/2005	334.35	153.65	2208.09	0.07	0.22
				9/19/2005	334.49	153.51	2207.95	-0.14	0.08
				10/18/2005	334.45	153.55	2207.99	0.04	0.12
				11/14/2005	334.33	153.67	2208.11	0.12	0.24
				12/6/2005	334.18	153.82	2208.26	0.15	0.39
				1/23/2006	333.79	154.21	2208.65	0.39	0.78
				2/27/2006	333.58	154.42	2208.86	0.21	0.99
				3/20/2006	333.85	154.15	2208.59	-0.27	0.72
				4/3/2006	334.01	153.99	2208.43	-0.16	0.56
				5/30/2006	334.63	153.37	2207.81	-0.62	-0.06
				6/16/2006	334.64	153.36	2207.80	-0.01	-0.07
				11/13/2006	335.13	152.87	2207.31	-0.49	-0.56
				4/25/2007	334.91	153.09	2207.53	0.22	0.00[24]
				11/16/2007	333.17	154.83	2209.27	1.74	1.74
				2/20/2008	332.16	155.84	2210.28	1.01	2.75
				4/7/2008	330.62	157.38	2211.82	1.54	4.29
				10/28/2008	330.62	157.38	2211.82	0.00	4.29
				9/22/2011	317.01	170.99	2225.43	13.61	17.90

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
C-114A WCS	55-619959	2552.12 [14]	290 - 510	12/3/2003	336.61	173.39	2215.51	NA	NA
		2550.96 [17]		1/29/2004	336.89	173.11	2214.07	-1.44	NA
		[17]		2/25/2004	336.80	173.20	2214.16	0.09	NA
		[17]		3/29/2004	337.01	172.99	2213.95	-0.21	NA
		[17]		4/13/2004	336.87	173.13	2214.09	0.14	NA
		[17]		5/11/2004	336.77	173.23	2214.19	0.10	NA
		[17]		6/17/2004	336.99	173.01	2213.97	-0.22	NA
		[17]		7/28/2004	336.74	173.26	2214.22	0.25	NA
		[17]		8/24/2004	336.68	173.32	2214.28	0.06	NA
		[17]		9/21/2004	336.67	173.33	2214.29	0.01	NA
		[17]		10/19/2004	336.44	173.56	2214.52	0.23	NA
		[17]		11/15/2004	336.69	173.31	2214.27	-0.25	NA
		[17]		12/20/2004	336.52	173.48	2214.44	0.17	NA
		[17]		1/27/2005	336.43	173.57	2214.53	0.09	NA
		[17]		2/16/2005	336.32	173.68	2214.64	0.11	NA
		[17]		3/14/2005	336.19	173.81	2214.77	0.13	NA
		[17]		4/22/2005	336.14	173.86	2214.82	0.05	NA
		[17]		5/16/2005	336.20	173.80	2214.76	-0.06	NA
		[17]		6/10/2005	336.24	173.76	2214.72	-0.04	NA
		[17]		7/29/2005	336.05	173.95	2214.91	0.19	NA
		[17]		8/29/2005	336.12	173.88	2214.84	-0.07	NA
		[17]		9/19/2005	336.08	173.92	2214.88	0.04	NA
		[17]		10/18/2005	336.07	173.93	2214.89	0.01	NA
		[17]		11/14/2005	335.94	174.06	2215.02	0.13	NA
D-021A	55-620059	2578.98	#153 - 538	11/5/2001	351.10	186.90	2227.88	NA	NA
				2/14/2002	350.39	187.61	2228.59	0.71	NA
				5/6/2002	350.23	187.77	2228.75	0.16	NA
				8/5/2002	NM	NA	NA	NA	NA
				3/17/2003	349.62	188.38	2229.36	0.61	NA
				12/1/2003	349.82	188.18	2229.16	-0.20	-0.20
				5/13/2004	349.04	188.96	2229.94	0.78	0.58
		2578.719 [19]		9/21/2004	347.66	190.34	2231.06	1.12	1.70
				11/15/2004	348.42	189.58	2230.30	-0.76	0.94
				5/16/2005	347.42	190.58	2231.30	1.00	1.94
				11/14/2005	347.77	190.23	2230.95	-0.35	1.59
				4/3/2006	347.36	190.64	2231.36	0.41	2.00
				4/24/2007	347.28	190.72	2231.44	0.08	0.00[24]
				11/16/2007	347.22	190.78	2231.50	0.06	0.06
				2/20/2008	346.57	191.43	2232.15	0.65	0.71
				4/7/2008	346.12	191.88	2232.60	0.45	1.16
				10/28/2008	344.74	193.26	2233.98	1.38	2.54
				9/22/2011	335.40	202.60	2243.32	9.34	11.88
D-022A	55-620060	2575.58	#168 - 448	7/23/2001	339.29	108.71	2236.29	NA	
				11/6/2001	340.17	107.83	2235.41	-0.88	NA
		2578.82 [5]		2/12/2002	343.14	104.86	2235.68	0.27	NA
				5/7/2002	343.03	104.97	2235.79	0.11	NA
				8/5/2002	343.29	104.71	2235.53	-0.26	NA
				3/18/2003	343.41	104.59	2235.41	-0.12	NA
				12/2/2003	342.97	105.03	2235.85	0.44	0.44
				5/10/2004	342.38	105.62	2236.44	0.59	1.03
				9/22/2004	342.02	105.98	2236.80	0.36	1.39
				11/15/2004	341.92	106.08	2236.90	0.10	1.49
				5/16/2005	341.01	106.99	2237.81	0.91	2.40
				11/14/2005	341.76	106.24	2237.06	-0.75	1.65
				1/23/2006	341.48	106.52	2237.34	0.28	1.93
				4/4/2006	341.55	106.45	2237.27	-0.07	1.86
				11/13/2006	341.79	106.21	2237.03	-0.24	1.62
				4/23/2007	340.97	107.03	2237.85	0.82	0.00[24]
				11/20/2007	340.44	107.56	2238.38	0.53	0.53
				2/20/2008	340.25	107.75	2238.57	0.19	0.72
				4/7/2008	338.46	109.54	2240.36	1.79	2.51
				10/28/2008	338.17	109.83	2240.65	0.29	2.80
				12/12/2008	337.64	110.36	2241.18	0.53	3.33
				9/23/2011	328.70	119.30	2250.12	8.94	12.27

TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
D-039A	55-620074	2618.06	#194 - 393	7/23/2001	378.15	14.85	2239.91	NA	NA
				11/5/2001	378.79	14.21	2239.27	-0.64	NA
				2/11/2002	378.01	14.99	2240.05	0.78	NA
				5/6/2002	377.58	15.42	2240.48	0.43	NA
				8/5/2002	378.46	14.54	2239.60	-0.88	NA
				3/17/2003	378.14	14.86	2239.92	0.32	NA
				12/2/2003	377.43	15.57	2240.63	0.71	0.71
				5/10/2004	376.32	16.68	2241.74	1.11	1.82
				9/21/2004	375.90	17.10	2242.16	0.42	2.24
				11/15/2004	375.85	17.15	2242.21	0.05	2.29
				5/16/2005	374.82	18.18	2243.24	1.03	3.32
				11/14/2005	375.80	17.20	2242.26	-0.98	2.34
				4/4/2006	375.78	17.22	2242.28	0.02	2.36
				11/13/2006	376.22	16.78	2241.84	-0.44	1.92
				4/23/2007	375.27	17.73	2242.79	0.95	0.00[24]
				11/12/2007	375.40	17.60	2242.66	-0.13	-0.13
				2/20/2008	375.00	18.00	2243.06	0.40	0.27
				4/7/2008	372.96	20.04	2245.10	2.04	2.31
				7/29/2008	374.14	18.86	2243.92	-1.18	1.13
				10/28/2008	373.43	19.57	2244.63	0.71	1.84
				12/12/2008	372.53	20.47	2245.53	0.90	2.74
				12/17/2009	369.61	23.39	2248.45	2.92	5.66
				8/19/2010	367.41	25.59	2250.65	2.20	7.86
				9/21/2011	364.86	28.14	2253.20	2.55	10.41
D-040A	55-620075	2637.04	#288 - 496	7/24/2001	395.82	100.18	2241.22	NA	NA
				11/5/2001	395.51	100.49	2241.53	0.31	NA
				2/11/2002	394.04	101.96	2243.00	1.47	NA
				5/6/2002	393.45	102.55	2243.59	0.59	NA
				8/5/2002	395.49	100.51	2241.55	-2.04	NA
				3/17/2003	394.09	101.91	2242.95	1.40	NA
				12/2/2003	393.18	102.82	2243.86	0.91	0.91
				5/10/2004	392.34	103.66	2244.70	0.84	1.75
				9/21/2004	391.66	104.34	2245.38	0.68	2.43
				11/15/2004	391.55	104.45	2245.49	0.11	2.54
				5/16/2005	390.53	105.47	2246.51	1.02	3.56
				11/14/2005	391.82	104.18	2245.22	-1.29	2.27
				4/4/2006	391.33	104.67	2245.71	0.49	2.76
				11/13/2006	392.31	103.69	2244.73	-0.98	1.78
				4/23/2007	391.20	104.80	2245.84	1.11	0.00[24]
				11/12/2007	391.49	104.51	2245.55	-0.29	-0.29
				2/20/2008	390.49	105.51	2246.55	1.00	0.71
				4/7/2008	389.63	106.37	2247.41	0.86	1.57
				10/28/2008	389.48	106.52	2247.56	0.15	1.72
				12/12/2008	388.47	107.53	2248.57	1.01	2.73
				9/21/2011	380.68	115.32	2256.36	7.79	10.52

TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
D-041A			249 - 702	11/15/2005	394.47	307.53		NA	NA
				4/4/2006	393.97	308.03		NA	NA
				11/13/2006	394.96	307.04		NA	NA
				4/23/2007	393.54	308.46		NA	NA
				11/12/2007	Dry	---		NA	NA
				2/20/2008	392.59	309.41		NA	NA
				4/7/2008	391.17	310.83		NA	NA
				10/28/2008	391.92	310.08		NA	NA
		2642.16 [33]		12/12/2008	390.92	311.08	2251.24	NA	NA
				9/21/2011	383.33	318.67	2258.83	7.59	NA
R-068A	55-578599	2577.60 [6]	240 - 368	2/14/2002	340.50	27.50	2237.10	NA	NA
				5/9/2002	340.26	27.74	2237.34	0.24	NA
				8/8/2002	340.54	27.46	2237.06	-0.28	NA
				3/20/2003	340.61	27.39	2236.99	-0.07	NA
				12/2/2003	339.96	28.04	2237.64	0.65	0.65
				5/13/2004	339.30	28.70	2238.30	0.66	1.31
		[18]		9/22/2004	NM	NA	NA	NA	NA
				11/16/2004	338.99	29.01	2238.61	0.31	1.62
				5/16/2005	338.01	29.99	2239.59	0.98	2.60
				11/14/2005	338.83	29.17	2238.77	-0.82	1.78
				4/3/2006	337.97	30.03	2239.63	0.86	2.64
				11/13/2006	338.61	29.39	2238.99	-0.64	2.00
				4/23/2007	337.81	30.19	2239.79	0.80	0.00[24]
				11/20/2007	337.20	30.80	2240.40	0.61	0.61
				2/20/2008	336.43	31.57	2241.17	0.77	1.38
		2577.89 [29]		4/8/2008	335.10	32.90	2242.79	1.62	3.00
				10/29/2008	334.84	33.16	2243.05	0.26	3.26
				9/27/2011	325.17	42.83	2252.72	9.67	12.93
R-069B	55-578601	2563.05 [6]	256 - 365	2/14/2002	326.30	38.70	2236.75	NA	NA
				5/9/2002	326.17	38.83	2236.88	0.13	NA
				8/8/2002	326.40	38.60	2236.65	-0.23	NA
				3/20/2003	326.45	38.55	2236.60	-0.05	NA
				12/2/2003	324.90	40.10	2238.15	1.55	1.55
				5/13/2004	324.31	40.69	2238.74	0.59	2.14
		[18]		9/22/2004	NM	NA	NA	NA	NA
				11/16/2004	324.10	40.90	2238.95	0.21	2.35
				5/16/2005	323.09	41.91	2239.96	1.01	3.36
				11/21/2005	324.17	40.83	2238.88	-1.08	2.28
				4/3/2006	323.24	41.76	2239.81	0.93	3.21
				11/13/2006	324.39	40.61	2238.66	-1.15	2.06
				4/23/2007	323.25	41.75	2239.80	1.14	0.00[24]
				11/16/2007	322.29	42.71	2240.76	0.96	0.96
				2/20/2008	321.30	43.70	2241.75	0.99	1.95
		2561.56 [29]		4/8/2008	320.12	44.88	2241.44	-0.31	1.64
				10/29/2008	319.75	45.25	2241.81	0.37	2.01
				9/23/2011	310.12	54.88	2251.44	9.63	11.64

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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
R-090A WCS	55-587017	2549.67	290 - 490	11/25/2002	335.79	154.21	2213.88	NA	NA
				2/13/2003	335.37	154.63	2214.30	0.42	NA
				3/17/2003	335.10	154.90	2214.57	0.27	NA
				4/15/2003	273.73	216.27	2275.94	61.37	61.37
		2549.67 [9]		4/22/2003	NM	NA	NA	NA	NA
				4/29/2003	271.95	218.05	2277.72	1.78	63.15
		2552.57 [10]		5/6/2003	256.20	233.80	2296.37	18.65	81.80
				5/13/2003	274.13	215.87	2278.44	-17.93	63.87
				5/20/2003	213.39	276.61	2339.18	60.74	124.61
				5/27/2003	324.75	165.25	2227.82	-111.36	13.25
				6/3/2003	112.39	377.61	2440.18	212.36	225.61
				7/18/2003	329.44	160.56	2223.13	-217.05	8.56
				8/14/2003	329.18	160.82	2223.39	0.26	8.82
				9/23/2003	328.95	161.05	2223.62	0.23	9.05
				12/1/2003	NM	NA	NA	NA	NA
				1/29/2004	312.80	177.20	2239.77	16.15	25.2
		[16]		2/25/2004	296.00	194.00	2256.57	16.80	42.00
		[16]		3/29/2004	310.00	180.00	2242.57	-14.00	28.00
		[16]		4/13/2004	302.00	188.00	2250.57	8.00	36.00
		[16]		5/10/2004	303.00	187.00	2249.57	-1.00	35.00
		[16]		6/17/2004	300.00	190.00	2252.57	3.00	38.00
		2552.742 [16,19]		7/28/2004	295.00	195.00	2257.74	5.17	43.17
		[16]		8/24/2004	292.00	198.00	2260.74	3.00	46.17
		[16]		9/21/2004	298.67	191.33	2254.07	-6.67	39.502
		[16]		10/19/2004	296.00	194.00	2256.74	2.67	42.17
		[16]		11/15/2004	292.00	198.00	2260.74	4.00	46.17
		[16]		12/20/2004	297.00	193.00	2255.74	-5.00	41.17
		[16]		1/27/2005	295.00	195.00	2257.74	2.00	43.17
		[16]		2/16/2005	295.00	195.00	2257.74	0.00	43.17
		[16]		3/14/2005	300.00	190.00	2252.74	-5.00	38.17
		[16]		4/22/2005	299.00	191.00	2253.74	1.00	39.17
		[16]		5/16/2005	297.00	193.00	2255.74	2.00	41.17
		[16]		6/10/2005	297.00	193.00	2255.74	0.00	41.17
		[16]		7/29/2005	296.00	194.00	2256.74	1.00	42.17
		[16]		8/29/2005	298.00	192.00	2254.74	-2.00	40.17
		[16]		9/19/2005	296.00	194.00	2256.74	2.00	42.17
		[16]		10/18/2005	291.00	199.00	2261.74	5.00	47.17
		[16]		11/14/2005	293.00	197.00	2259.74	-2.00	45.17
		[16]		12/6/2005	289.00	201.00	2263.74	4.00	49.17
		[16]		1/23/2006	288.00	202.00	2264.74	1.00	50.17
		[16]		2/27/2006	291.00	199.00	2261.74	-3.00	47.17
		[16]		3/20/2006	291.00	199.00	2261.74	0.00	47.17
		[16]		4/3/2006	290.00	200.00	2262.74	1.00	48.17
		[16]		5/30/2006	287.00	203.00	2265.74	3.00	51.17
		[16]		6/16/2006	287.00	203.00	2265.74	0.00	51.17
		[16]		8/29/2006	286.00	204.00	2266.74	1.00	52.17
		[16]		9/21/2006	334.00	156.00	2218.74	-48.00	4.17
		[16]		11/13/2006	335.00	155.00	2217.74	-1.00	3.17
		[16]		2/5/2007	335.00	155.00	2217.74	0.00	3.17
		[16]		4/23/2007	336.00	154.00	2216.74	-1.00	0.00[24]
		[16]		8/6/2007	289.00	201.00	2263.74	47.00	47.00
		[16]		11/14/2007	277.00	213.00	2275.74	12.00	59.00
		[16]		2/20/2008	280.00	210.00	2272.74	-3.00	56.00
		[16]		4/7/2008	284.00	206.00	2268.74	-4.00	52.00
		[16]		7/29/2008	300.00	190.00	2252.74	-16.00	36.00
		[16]		10/28/2008	291.00	199.00	2261.74	9.00	45.00
		[16]		12/17/2009	289.00	201.00	2263.74	2.00	47.00
		[16]		8/18/2010	307.60	182.40	2245.14	-18.60	28.40
		[16]		6/3/2011	297.05	192.95	2255.69	10.55	38.95
		[16]		9/20/2011	297.50	192.50	2255.24	-0.45	38.50

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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
R-091A WCS	55-587018	2551.11	290 - 490	11/25/2002	337.29	152.71	2213.82	NA	NA
				2/13/2003	336.86	153.14	2214.25	0.43	NA
				3/17/2003	336.51	153.49	2214.60	0.35	NA
				4/15/2003	299.71	190.29	2251.40	36.80	36.80
		[9]		4/22/2003	NM	NA	NA	NA	NA
				4/29/2003	298.75	191.25	2252.36	0.96	37.76
		2554.06 [10]		5/6/2003	295.90	194.10	2258.16	5.80	43.56
				5/13/2003	290.06	199.94	2264.00	5.84	49.40
				5/20/2003	289.53	200.47	2264.53	0.53	49.93
				5/27/2003	319.61	170.39	2234.45	-30.08	19.85
				6/3/2003	283.38	206.62	2270.68	36.23	56.08
				7/18/2003	274.76	215.24	2279.30	8.62	64.70
				8/14/2003	278.05	211.95	2276.01	-3.29	61.41
				9/23/2003	274.30	215.70	2279.76	3.75	65.16
				12/1/2003	NM	NA	NA	NA	NA
				1/29/2004	312.20	177.80	2241.86	-37.90	27.26
		[16]		2/25/2004	311.00	179.00	2243.06	1.20	28.46
		[16]		3/29/2004	313.00	177.00	2241.06	-2.00	26.46
		[16]		4/13/2004	305.00	185.00	2249.06	8.00	34.46
		[16]		5/10/2004	300.00	190.00	2254.06	5.00	39.46
		[16]		6/17/2004	300.00	190.00	2254.06	0.00	39.46
		2554.171 [16,19]		7/28/2004	297.00	193.00	2257.17	3.11	42.57
		[16]		8/24/2004	295.00	195.00	2259.17	2.00	44.57
		[16]		9/21/2004	300.55	189.45	2253.62	-5.55	39.02
		[16]		10/19/2004	295.00	195.00	2259.17	5.55	44.57
		[16]		11/15/2004	291.00	199.00	2263.17	4.00	48.57
		[16]		12/20/2004	297.00	193.00	2257.17	-6.00	42.57
		[16]		1/27/2005	294.00	196.00	2260.17	3.00	45.57
		[16]		2/16/2005	293.00	197.00	2261.17	1.00	46.57
		[16]		3/14/2005	297.00	193.00	2257.17	-4.00	42.57
		[16]		4/22/2005	295.00	195.00	2259.17	2.00	44.57
		[16]		5/16/2005	294.00	196.00	2260.17	1.00	45.57
		[16]		6/10/2005	293.00	197.00	2261.17	1.00	46.57
		[16]		7/29/2005	291.00	199.00	2263.17	2.00	48.57
		[16]		8/29/2005	294.00	196.00	2260.17	-3.00	45.57
		[16]		9/19/2005	292.00	198.00	2262.17	2.00	47.57
		[16]		10/18/2005	296.00	194.00	2258.17	-4.00	43.57
		[16]		11/14/2005	287.00	203.00	2267.17	9.00	52.57
		[16]		12/6/2005	286.00	204.00	2268.17	1.00	53.57
		[16]		1/23/2006	294.00	196.00	2260.17	-8.00	45.57
		[16]		2/27/2006	286.00	204.00	2268.17	8.00	53.57
		[16]		3/20/2006	287.00	203.00	2267.17	-1.00	52.57
		[16]		4/30/2006	285.00	205.00	2269.17	2.00	54.57
		[16]		5/30/2006	291.00	199.00	2263.17	-6.00	48.57
		[16]		6/16/2006	291.00	199.00	2263.17	0.00	48.57
		[16]		8/29/2006	291.00	199.00	2263.17	0.00	48.57
		[16]		9/21/2006	334.00	156.00	2220.17	-43.00	5.57
		[16]		11/13/2006	336.00	154.00	2218.17	-2.00	3.57
		[16]		2/5/2007	337.00	153.00	2217.17	-1.00	2.57
		[16]		4/23/2007	337.00	153.00	2217.17	0.00	0.00[24]
		[16]		8/6/2007	285.00	205.00	2269.17	52.00	52.00
		[16]		11/14/2007	282.00	208.00	2272.17	3.00	55.00
		[16]		2/20/2008	288.00	202.00	2266.17	-6.00	49.00
		[16]		4/7/2008	281.00	209.00	2273.17	7.00	56.00
		[16]		7/29/2008	302.00	188.00	2252.17	-21.00	35.00
		[16]		10/28/2008	296.00	194.00	2258.17	6.00	41.00
		[16]		12/17/2009	281.80	208.20	2272.37	14.20	55.20
		[16]		8/18/2010	306.20	183.80	2247.97	-24.40	30.80
		[16]		6/3/2011	297.45	192.55	2256.72	8.75	39.55
		[16]		9/20/2011	297.20	192.80	2256.97	0.25	39.80

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
R-092A WCS	55-587019	2561.99	290 - 490	11/25/2002	343.15	146.85	2218.84	NA	NA
				2/13/2003	342.44	147.56	2219.55	0.71	NA
				3/17/2003	342.09	147.91	2219.90	0.35	NA
				4/15/2003	370.85	119.15	2191.14	-28.76	-28.76
				4/22/2003	368	122.00	2193.99	2.85	-25.91
				4/29/2003	369.05	120.95	2192.94	-1.05	-26.96
				5/6/2003	370.00	120.00	2191.99	-0.95	-27.91
				5/13/2003	384.17	105.83	2177.82	-14.17	-42.08
				5/20/2003	369.61	120.39	2192.38	14.56	-27.52
				5/27/2003	347.02	142.98	2214.97	22.59	-4.93
				6/3/2003	370.51	119.49	2191.48	-23.49	-28.42
				7/18/2003	366.51	123.49	2195.48	4.00	-24.42
				8/14/2003	366.45	123.55	2195.54	0.06	-24.36
				9/23/2003	361.4	128.60	2200.59	5.05	-19.31
				12/2/2003	358.34	131.66	2203.65	3.06	-16.25
				1/29/2004	360.70	129.30	2201.29	-2.36	-18.61
		[16]		2/25/2004	360.00	130.00	2201.99	0.70	-17.91
		[16]		3/30/2004	355.00	135.00	2206.99	5.00	-12.91
		[16]		4/13/2004	361.00	129.00	2200.99	-6.00	-18.91
		[16]		5/10/2004	360.00	130.00	2201.99	1.00	-17.91
		[16]		6/17/2004	359.00	131.00	2202.99	1.00	-16.91
		2561.963 [16,19]		7/28/2004	359.00	131.00	2202.96	-0.03	-16.94
		[16]		8/24/2004	359.00	131.00	2202.96	0.00	-16.94
		[16]		9/21/2004	359.42	130.58	2202.54	-0.42	-17.36
		[16]		10/19/2004	358.00	132.00	2203.96	1.42	-15.94
		[16]		11/15/2004	358.00	132.00	2203.96	0.00	-15.94
		[16]		12/20/2004	357.00	133.00	2204.96	1.00	-14.94
		[16]		1/27/2005	357.00	133.00	2204.96	0.00	-14.94
		[16]		2/17/2005	357.00	133.00	2204.96	0.00	-14.94
		[16]		3/14/2005	356.00	134.00	2205.96	1.00	-13.94
		[16]		4/22/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		5/16/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		6/10/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		7/29/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		8/29/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		9/19/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		10/18/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		11/14/2005	356.00	134.00	2205.96	0.00	-13.94
		[16]		12/6/2005	355.00	135.00	2206.96	1.00	-12.94
		[16]		1/23/2006	358.00	132.00	2203.96	-3.00	-15.94
		[16]		2/27/2006	358.00	132.00	2203.96	0.00	-15.94
		[16]		3/20/2006	358.00	132.00	2203.96	0.00	-15.94
		[16]		4/3/2006	358.00	132.00	2203.96	0.00	-15.94
		[16]		5/30/2006	359.00	131.00	2202.96	-1.00	-16.94
		[16]		6/16/2006	359.00	131.00	2202.96	0.00	-16.94
		[16]		8/29/2006	360.00	130.00	2201.96	-1.00	-17.94
		[16]		9/21/2006	342.00	148.00	2219.96	18.00	0.06
		[16]		11/13/2006	340.00	150.00	2221.96	2.00	2.06
		[16]		2/5/2007	340.00	150.00	2221.96	0.00	2.06
		[16]		4/23/2007	339.00	151.00	2222.96	1.00	0.00 [24]
		[16]		8/6/2007	357.00	133.00	2204.96	-18.00	-18.00
		[16]		11/14/2007	357.00	133.00	2204.96	0.00	-18.00
		[16]		2/20/2008	356.00	134.00	2205.96	1.00	-17.00
		[16]		4/7/2008	356.00	134.00	2205.96	0.00	-17.00
		[16]		7/29/2008	353.00	137.00	2208.96	3.00	-14.00
		[16]		10/28/2008	353.00	137.00	2208.96	0.00	-14.00
		[16]		12/17/2009	349.00	141.00	2212.96	4.00	-10.00
		[16]		8/18/2010	347.80	142.20	2214.16	1.20	-8.80
		[16]		6/3/2011	348.56	141.44	2213.40	-0.76	-9.56
		[16]		9/20/2011	349.00	141.00	2212.96	-0.44	-10.00

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
R-124A		2620.031 [23]	370 - 410	11/14/2005	368.94	41.06	2251.09	NA	NA
				4/3/2006	367.19	42.81	2252.84	1.75	NA
				11/13/2006	369.56	40.44	2250.47	-2.37	NA
				4/23/2007	367.78	42.22	2252.25	1.78	0.00[24]
				11/13/2007	367.83	42.17	2252.20	-0.05	-0.05
				2/19/2008	365.68	44.32	2254.35	2.15	2.10
				4/7/2008	364.19	45.81	2255.84	1.49	3.59
				10/28/2008	NM[28]	NM	NM	NM	NM
				12/12/2008	363.82	46.18	2256.21	NA	3.96
				9/21/2011	357.22	52.78	2262.81	6.60	10.56
R-125A		2612.581 [23]	355 - 395	11/14/2005	354.19	40.81	2258.39	NA	NA
				4/3/2006	353.29	41.71	2259.29	0.90	NA
				11/13/2006	354.90	40.10	2257.68	-1.61	NA
				4/23/2007	352.06	42.94	2260.52	2.84	0.00[24]
				11/12/2007	352.39	42.61	2260.19	-0.33	-0.33
				2/19/2008	NM[28]	NM	NM	NM	NM
				4/7/2008	NM[28]	NM	NM	NM	NM
				10/28/2008	NM[28]	NM	NM	NM	NM
				12/12/2008	346.91	48.09	2265.67	NA	5.15
				9/21/2011	332.95	62.05	2279.63	13.96	19.11

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
SE-001 WCS	55-568641	2544.06	305 - 365	7/24/2001	339.63	25.37	2204.43	NA	NA
				11/5/2001	338.87	26.13	2205.19	0.76	NA
				2/11/2002	337.58	27.42	2206.48	1.29	NA
				5/6/2002	336.90	28.10	2207.16	0.68	NA
				8/5/2002	336.39	28.61	2207.67	0.51	NA
				11/25/2002	335.20	29.80	2208.86	1.19	NA
				2/13/2003	335.32	29.68	2208.74	-0.12	NA
				3/17/2003	335.12	29.88	2208.94	0.20	NA
				4/15/2003	334.04	30.96	2210.02	1.08	1.08
				4/22/2003	333.61	31.39	2210.45	0.43	1.51
				4/29/2003	333.25	31.75	2210.81	0.36	1.87
				5/6/2003	333.21	31.79	2210.85	0.04	1.91
				5/13/2003	333.00	32.00	2211.06	0.21	2.12
				5/20/2003	332.89	32.11	2211.17	0.11	2.23
				5/27/2003	332.94	32.06	2211.12	-0.05	2.18
				6/3/2003	332.72	32.28	2211.34	0.22	2.40
				8/14/2003	333.39	31.61	2210.67	-0.67	1.73
				9/23/2003	333.47	31.53	2210.59	-0.08	1.65
				12/1/2003	333.81	31.19	2210.25	-0.34	1.31
				1/29/2004	333.51	31.49	2210.55	0.30	1.61
				2/25/2004	333.04	31.96	2211.02	0.47	2.08
				3/29/2004	334.14	30.86	2209.92	-1.10	0.98
				4/13/2004	333.62	31.38	2210.44	0.52	1.50
				5/10/2004	332.24	32.76	2211.82	1.38	2.88
				6/17/2004	331.98	33.02	2212.08	0.26	3.14
		2544.09 [19]		7/28/2004	331.88	33.12	2212.21	0.13	3.27
				8/24/2004	331.90	33.10	2212.19	-0.02	3.25
				9/21/2004	331.72	33.28	2212.37	0.18	3.43
				10/19/2004	331.57	33.43	2212.52	0.15	3.58
				11/15/2004	331.49	33.51	2212.60	0.08	3.66
				12/20/2004	332.36	32.64	2211.73	-0.87	2.79
				1/27/2005	331.17	33.83	2212.92	1.19	3.98
				2/16/2005	332.03	32.97	2212.06	-0.86	3.12
				3/14/2005	331.94	33.06	2212.15	0.09	3.21
				4/22/2005	331.39	33.61	2212.70	0.55	3.76
				5/16/2005	330.20	34.80	2213.89	1.19	4.95
				6/10/2005	329.99	35.01	2214.10	0.21	5.16
				7/29/2005	330.17	34.83	2213.92	-0.18	4.98
				8/29/2005	330.05	34.95	2214.04	0.12	5.10
				9/19/2005	330.02	34.98	2214.07	0.03	5.13
				10/18/2005	330.25	34.75	2213.84	-0.23	4.90
				11/14/2005	329.92	35.08	2214.17	0.33	5.23
				12/6/2005	329.92	35.08	2214.17	0.00	5.23
				1/23/2006	329.64	35.36	2214.45	0.28	5.51
				2/27/2006	329.40	35.60	2214.69	0.24	5.75
				3/20/2006	329.45	35.55	2214.64	-0.05	5.70
				4/3/2006	329.49	35.51	2214.60	-0.04	5.66
				5/30/2006	329.93	35.07	2214.16	-0.44	5.22
				6/16/2006	329.98	35.02	2214.11	-0.05	5.17
				8/29/2006	330.64	34.36	2213.45	-0.66	4.51
				9/21/2006	330.75	34.25	2213.34	-0.11	4.40
				11/13/2006	331.84	33.16	2212.25	-1.09	3.31
				2/7/2007	332.48	32.52	2211.61	-0.64	2.67
				4/24/2007	331.82	33.18	2212.27	0.66	0.00 [24]
				8/6/2007	329.79	35.21	2214.30	2.03	2.03
				11/13/2007	329.21	35.79	2214.88	0.58	2.61
				2/21/2008	328.34	36.66	2215.75	0.87	3.48
				4/7/2008	327.69	37.31	2216.40	0.65	4.13
				7/30/2008	327.99	37.01	2216.10	-0.30	3.83
				10/28/2008	326.60	38.40	2217.49	1.39	5.22
				12/17/2009	321.15	43.85	2222.94	5.45	10.67
				8/19/2010	319.01	45.99	2225.08	2.14	12.81
				9/19/2011	314.66	50.34	2229.43	4.35	17.16

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
SJ-001 WCS	55-568639	2583.84	327 - 387	7/24/2001	360.23	26.77	2223.61	NA	NA
				11/5/2001	360.28	26.72	2223.56	-0.05	NA
				2/12/2002	359.57	27.43	2224.27	0.71	NA
				5/7/2002	359.50	27.50	2224.34	0.07	NA
				8/6/2002	359.47	27.53	2224.37	0.03	NA
				11/25/2002	358.70	28.30	2225.14	0.77	NA
				2/13/2003	358.61	28.39	2225.23	0.09	NA
				3/17/2003	358.37	28.63	2225.47	0.24	NA
				4/15/2003	359.20	27.80	2224.64	-0.83	-0.83
				4/22/2003	359.12	27.88	2224.72	0.08	-0.75
				4/29/2003	359.30	27.70	2224.54	-0.18	-0.93
				5/6/2003	359.44	27.56	2224.40	-0.14	-1.07
				5/13/2003	359.50	27.50	2224.34	-0.06	-1.13
				5/20/2003	359.74	27.26	2224.10	-0.24	-1.37
				5/27/2003	359.85	27.15	2223.99	-0.11	-1.48
				6/3/2003	359.71	27.29	2224.13	0.14	-1.34
				7/25/2003	361.85	25.15	2221.99	-2.14	-3.48
				8/14/2003	359.65	27.35	2224.19	2.20	-1.28
				9/23/2003	359.28	27.72	2224.56	0.37	-0.91
				12/2/2003	358.91	28.09	2224.93	0.37	-0.54
				1/29/2004	358.43	28.57	2225.41	0.48	-0.06
				2/25/2004	358.37	28.63	2225.47	0.06	0.00
				3/30/2004	359.78	27.22	2224.06	-1.41	-1.41
				4/13/2004	359.38	27.62	2224.46	0.40	-1.01
				5/10/2004	358.08	28.92	2225.76	1.30	0.29
				6/17/2004	358.08	28.92	2225.76	0.00	0.29
		2583.727 [19]		7/28/2004	357.86	29.14	2225.87	0.11	0.40
				8/24/2004	357.57	29.43	2226.16	0.29	0.69
				9/22/2004	358.73	28.27	2225.00	-1.16	-0.47
				10/19/2004	357.47	29.53	2226.26	1.26	0.79
				11/15/2004	357.77	29.23	2225.96	-0.30	0.49
				12/20/2004	358.32	28.68	2225.41	-0.55	-0.06
				1/27/2005	357.13	29.87	2226.60	1.19	1.13
				2/16/2005	358.16	28.84	2225.57	-1.03	0.10
				3/14/2005	357.78	29.22	2225.95	0.38	0.48
				4/22/2005	357.70	29.30	2226.03	0.08	0.56
				5/16/2005	356.56	30.44	2227.17	1.14	1.70
				6/10/2005	356.53	30.47	2227.20	0.03	1.73
				7/29/2005	356.74	30.26	2226.99	-0.21	1.52
				8/29/2005	356.77	30.23	2226.96	-0.03	1.49
				9/19/2005	357.05	29.95	2226.68	-0.28	1.21
				10/18/2005	356.99	30.01	2226.74	0.06	1.27
				11/19/2005	356.57	30.43	2227.16	0.42	1.69
				12/6/2005	356.55	30.45	2227.18	0.02	1.71
				1/23/2006	356.25	30.75	2227.48	0.30	2.01
				2/27/2006	356.38	30.62	2227.35	-0.13	1.88
				3/20/2006	356.35	30.65	2227.38	0.03	1.91
				4/3/2006	356.28	30.72	2227.45	0.07	1.98
				5/30/2006	356.38	30.62	2227.35	-0.10	1.88
				6/16/2006	356.47	30.53	2227.26	-0.09	1.79
				8/29/2006	357.36	29.64	2226.37	-0.89	0.90
				9/21/2006	357.20	29.80	2226.53	0.16	1.06
				11/13/2006	356.55	30.45	2227.18	0.65	1.71
				2/7/2007	356.57	30.43	2227.16	-0.02	1.69
				4/26/2007	355.71	31.29	2228.02	0.86	0.00[24]
				8/6/2007	356.41	30.59	2227.32	-0.70	-0.70
				11/14/2007	356.32	30.68	2227.41	0.09	-0.61
				2/21/2008	355.64	31.36	2228.09	0.68	0.07
				4/10/2008	355.20	31.80	2228.53	0.44	0.51
				7/30/2008	353.84	33.16	2229.89	1.36	1.87
				10/29/2008	353.62	33.38	2230.11	0.22	2.09
				12/17/2009	350.02	36.98	2233.71	3.60	5.69
				8/18/2010	347.54	39.46	2236.19	2.48	8.17
				9/23/2011	344.09	42.91	2239.64	3.45	11.62

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Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
SJ-002 WCS	55-568640	2589.30	331 - 391	7/24/2001	363.73	27.27	2225.57	NA	NA
		2589.29 [3]		11/5/2001	364.00	27.00	2225.29	-0.28	NA
				2/12/2002	363.44	27.56	2225.85	0.56	NA
				5/7/2002	363.34	27.66	2225.95	0.10	NA
				8/6/2002	363.35	27.65	2225.94	-0.01	NA
				11/25/2002	362.40	28.60	2226.89	0.95	NA
				2/13/2003	363.62	27.38	2225.67	-1.22	NA
				3/17/2003	362.36	28.64	2226.93	1.26	NA
				4/15/2003	362.94	28.06	2226.35	-0.58	-0.58
				4/22/2003	362.84	28.16	2226.45	0.10	-0.48
				4/29/2003	362.98	28.02	2226.31	-0.14	-0.62
				5/6/2003	363.14	27.86	2226.15	-0.16	-0.78
				5/13/2003	363.21	27.79	2226.08	-0.07	-0.85
				5/20/2003	363.41	27.59	2225.88	-0.20	-1.05
				5/27/2003	363.53	27.47	2225.76	-0.12	-1.17
				6/3/2003	363.41	27.59	2225.88	0.12	-1.05
				8/14/2003	363.46	27.54	2225.83	-0.05	-1.10
				9/23/2003	363.20	27.80	2226.09	0.26	-0.84
				12/2/2003	362.92	28.08	2226.37	0.28	-0.56
				1/29/2004	362.46	28.54	2226.83	0.46	-0.10
				2/25/2004	362.41	28.59	2226.88	0.05	-0.05
				3/30/2004	363.81	27.19	2225.48	-1.40	-1.45
				4/13/2004	363.38	27.62	2225.91	0.43	-1.02
				5/10/2004	362.09	28.91	2227.20	1.29	0.27
				6/17/2004	362.14	28.86	2227.15	-0.05	0.22
		2589.164 [19]		7/28/2004	361.97	29.03	2227.19	0.04	0.26
				8/24/2004	361.80	29.20	2227.36	0.17	0.43
				9/22/2004	361.85	29.15	2227.31	-0.05	0.38
				10/19/2004	361.65	29.35	2227.51	0.20	0.58
				11/15/2004	361.74	29.26	2227.42	-0.09	0.49
				12/20/2004	352.39	38.61	2236.77	9.35	9.84
				1/27/2005	361.25	29.75	2227.91	-8.86	0.98
				2/16/2005	362.34	28.66	2226.82	-1.09	-0.11
				3/14/2005	361.98	29.02	2227.18	0.36	0.25
				4/22/2005	361.82	29.18	2227.34	0.16	0.41
				5/16/2005	360.73	30.27	2228.43	1.09	1.50
				6/10/2005	360.70	30.30	2228.46	0.03	1.53
				7/29/2005	360.92	30.08	2228.24	-0.22	1.31
				8/29/2005	360.94	30.06	2228.22	-0.02	1.29
				9/19/2005	361.19	29.81	2227.97	-0.25	1.04
				10/18/2005	361.18	29.82	2227.98	0.01	1.05
				11/14/2005	360.92	30.08	2228.24	0.26	1.31
				12/6/2005	360.84	30.16	2228.32	0.08	1.39
				1/23/2006	360.57	30.43	2228.59	0.27	1.66
				2/27/2006	360.61	30.39	2228.55	-0.04	1.62
				3/20/2006	360.60	30.40	2228.56	0.01	1.63
				4/3/2006	360.51	30.49	2228.65	0.09	1.72
				5/30/2006	360.57	30.43	2228.59	-0.06	1.66
				6/16/2006	360.63	30.37	2228.53	-0.06	1.60
				8/29/2006	361.53	29.47	2227.63	-0.90	0.70
				9/21/2006	361.40	29.60	2227.76	0.13	0.83
				11/13/2006	360.87	30.13	2228.29	0.53	1.36
				2/7/2007	360.91	30.09	2228.25	-0.04	1.32
				4/27/2007	360.19	30.81	2228.97	0.72	0.00 [24]
				8/6/2007	360.54	30.46	2228.62	-0.35	-0.35
				11/16/2007	360.68	30.32	2228.48	-0.14	-0.49
				2/20/2008	359.84	31.16	2229.32	0.84	0.35
				4/10/2008	359.62	31.38	2229.54	0.22	0.57
				7/29/2008	358.29	32.71	2230.87	1.33	1.90
				10/28/2008	357.67	33.33	2231.49	0.62	2.52
				12/17/2009	354.24	36.76	2234.92	3.43	5.95
				8/18/2010	351.73	39.27	2237.43	2.51	8.46
				9/19/2011	348.12	42.88	2241.04	3.61	12.07

TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-155A	55-522726	2537.20	320 - 600	10/19/2004	332.27	267.73	2206.65	NA	NA
		2538.923 [19]		11/17/2004	324.81	275.19	2214.11	7.46	NA
				12/20/2004	333.27	266.73	2205.65	-8.46	NA
				1/27/2005	332.26	267.74	2206.66	1.01	NA
				2/16/2005	333.19	266.81	2205.73	-0.93	NA
				3/14/2005	332.97	267.03	2205.95	0.22	NA
				4/22/2005	332.69	267.31	2206.23	0.28	NA
				5/16/2005	331.54	268.46	2207.38	1.15	NA
				6/10/2005	331.34	268.66	2207.58	0.20	NA
				7/29/2005	331.36	268.64	2207.56	-0.02	NA
				8/29/2005	331.40	268.60	2207.52	-0.04	NA
				9/19/2005	331.58	268.42	2207.34	-0.18	NA
				10/18/2005	331.48	268.52	2207.44	0.10	NA
				11/14/2005	331.45	268.55	2207.47	0.03	NA
				12/6/2005	331.34	268.66	2207.58	0.11	NA
				1/23/2006	331.21	268.79	2207.71	0.13	NA
				2/27/2006	331.09	268.91	2207.83	0.12	NA
				3/20/2006	331.05	268.95	2207.87	0.04	NA
				4/3/2006	331.10	268.90	2207.82	-0.05	NA
				5/30/2006	331.46	268.54	2207.46	-0.36	NA
				6/16/2006	331.51	268.49	2207.41	-0.05	NA
				8/31/2006	332.66	267.34	2206.26	-1.15	NA
				9/21/2006	323.54	276.46	2215.38	9.12	NA
				11/13/2006	322.97	277.03	2215.95	0.57	NA
				4/24/2007	322.74	277.26	2216.18	0.23	0.00[24]
				8/6/2007	331.13	268.87	2207.79	-8.39	-8.39
				11/13/2007	330.80	269.20	2208.12	0.33	-8.06
				2/20/2008	329.98	270.02	2208.94	0.82	-7.24
				4/7/2008	328.81	271.19	2210.11	1.17	-6.07
				6/17/2008	320.35	279.65	2218.57	8.46	2.39
				10/28/2008	328.43	271.57	2210.49	-8.08	-5.69
				9/22/2011	306.52	293.48	2232.40	21.91	16.22
WR-177A	55-527410	2586.86	#324 - 467	7/24/2001	350.05	116.95	2236.81	NA	NA
		2586.85 [3]		11/5/2001	350.62	116.38	2236.23	-0.58	NA
				2/11/2002	350.46	116.54	2236.39	0.16	NA
				5/6/2002	350.23	116.77	2236.62	0.23	NA
				8/5/2002	350.55	116.45	2236.30	-0.32	NA
				3/17/2003	350.48	116.52	2236.37	0.07	NA
				12/2/2003	350.22	116.78	2236.63	0.26	0.26
				5/10/2004	349.26	117.74	2237.59	0.96	1.22
				9/21/2004	349.20	117.80	2237.65	0.06	1.28
				11/15/2004	348.22	118.78	2238.63	0.98	2.26
				2/16/2005	349.56	117.44	2237.29	-1.34	0.92
				3/14/2005	349.28	117.72	2237.57	0.28	1.20
				4/22/2005	349.07	117.93	2237.78	0.21	1.41
				5/16/2005	348.01	118.99	2238.84	1.06	2.47
				6/10/2005	347.92	119.08	2238.93	0.09	2.56
				9/19/2005	348.71	118.29	2238.14	-0.79	1.77
				11/14/2005	348.67	118.33	2238.18	0.04	1.81
				1/23/2006	348.42	118.58	2238.43	0.25	2.06
				4/3/2006	348.04	118.96	2238.81	0.38	2.44
				11/13/2006	348.77	118.23	2238.08	-0.73	1.71
				4/23/2007	348.01	118.99	2238.84	0.76	0.00[24]
				11/14/2007	347.69	119.31	2239.16	0.32	0.32
				2/20/2008	346.83	120.17	2240.02	0.86	1.18
				4/7/2008	345.52	121.48	2241.33	1.31	2.49
				7/28/2008	345.79	121.21	2241.06	-0.27	2.22
				10/29/2008	345.34	121.66	2241.51	0.45	2.67
				12/12/2008	344.74	122.26	2242.11	0.60	3.27
				12/17/2009	341.38	125.62	2245.47	3.36	6.63
				8/18/2010	339.14	127.86	2247.71	2.24	8.87
				9/21/2011	335.79	131.21	2251.06	3.35	12.22

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-178A WCS	55-527412	2558.29	#312 - 454	7/24/2001	340.21	113.79	2218.08	NA	NA
		2558.28 [3]		11/5/2001	340.01	113.99	2218.27	0.19	NA
				2/12/2002	339.20	114.80	2219.08	0.81	NA
				5/7/2002	339.47	114.53	2218.81	-0.27	NA
				8/6/2002	339.18	114.82	2219.10	0.29	NA
				11/26/2002	338.85	115.15	2219.43	0.33	NA
				2/13/2003	337.74	116.26	2220.54	1.11	NA
				3/17/2003	337.47	116.53	2220.81	0.27	NA
				4/15/2003	341.56	112.44	2216.72	-4.09	-4.09
				4/22/2003	341.67	112.33	2216.61	-0.11	-4.20
				4/29/2003	342.06	111.94	2216.22	-0.39	-4.59
				5/6/2003	342.29	111.71	2215.99	-0.23	-4.82
				5/13/2003	342.34	111.66	2215.94	-0.05	-4.87
				5/20/2003	342.80	111.20	2215.48	-0.46	-5.33
				5/27/2003	342.17	111.83	2216.11	0.63	-4.70
				6/3/2003	342.39	111.61	2215.89	-0.22	-4.92
				7/25/2003	339.95	114.05	2218.33	2.44	-2.48
				8/14/2003	341.53	112.47	2216.75	-1.58	-4.06
				9/23/2003	340.59	113.41	2217.69	0.94	-3.12
		2560.6 [14]		12/2/2003	342.09	111.91	2218.51	0.82	-2.30
				1/29/2004	341.81	112.19	2218.79	0.28	-2.02
				2/25/2004	341.73	112.27	2218.87	0.08	-1.94
				3/30/2004	355.60	98.40	2205.00	-13.87	-15.81
				4/13/2004	343.65	110.35	2216.95	11.95	-3.86
				5/10/2004	341.55	112.45	2219.05	2.10	-1.76
				6/17/2004	341.46	112.54	2219.14	0.09	-1.67
		2560.586 [19]		7/28/2004	341.32	112.68	2219.27	0.13	-1.54
				8/24/2004	340.85	113.15	2219.74	0.47	-1.07
				9/22/2004	341.28	112.72	2219.31	-0.43	-1.50
				10/19/2004	340.50	113.50	2220.09	0.78	-0.72
				11/15/2004	340.76	113.24	2219.83	-0.26	-0.98
				12/20/2004	341.73	112.27	2218.86	-0.97	-1.95
				1/27/2005	340.68	113.32	2219.91	1.05	-0.90
				2/16/2005	341.77	112.23	2218.82	-1.09	-1.99
				3/14/2005	342.27	111.73	2218.32	-0.50	-2.49
				4/22/2005	341.44	112.56	2219.15	0.83	-1.66
				5/16/2005	340.28	113.72	2220.31	1.16	-0.50
				6/10/2005	340.10	113.90	2220.49	0.18	-0.32
				7/29/2005	340.21	113.79	2220.38	-0.11	-0.43
				8/29/2005	340.38	113.62	2220.21	-0.17	-0.60
				9/19/2005	340.59	113.41	2220.00	-0.21	-0.81
				10/18/2005	340.33	113.67	2220.26	0.26	-0.55
				11/14/2005	339.70	114.30	2220.89	0.63	0.08
				12/6/2005	339.71	114.29	2220.88	-0.01	0.07
				1/23/2006	339.40	114.60	2221.19	0.31	0.38
				2/27/2006	339.74	114.26	2220.85	-0.34	0.04
				3/20/2006	339.69	114.31	2220.90	0.05	0.09
				4/3/2006	339.75	114.25	2220.84	-0.06	0.03
				5/30/2006	339.93	114.07	2220.66	-0.18	-0.15
				6/16/2006	340.04	113.96	2220.55	-0.11	-0.26
				7/13/2006	341.27	112.73	2219.32	-1.23	-1.49
				8/29/2006	340.91	113.09	2219.68	0.36	-1.13
				9/21/2006	339.67	114.33	2220.92	1.24	0.11
				11/13/2006	338.16	115.84	2222.43	1.51	1.62
				2/7/2007	338.63	115.37	2221.96	-0.47	1.15
				4/25/2007	337.40	116.60	2223.19	1.23	0.00[24]
				8/6/2007	340.01	113.99	2220.58	-2.61	-2.61
				11/14/2007	339.78	114.22	2220.81	0.23	-2.38
				2/20/2008	338.98	115.02	2221.61	0.80	-1.58
				4/9/2008	338.72	115.28	2221.87	0.26	-1.32
				7/30/2008	336.26	117.74	2224.33	2.46	1.14
				10/28/2008	336.66	117.34	2223.93	-0.40	0.74
				12/17/2009	332.29	121.71	2228.30	4.37	5.11
				8/19/2010	329.66	124.34	2230.93	2.63	7.74
				9/20/2011	326.20	127.80	2234.39	3.46	11.20

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-179A	55-527409	2597.92	#343 - 490	7/23/2001	367.57	122.43	2230.35	NA	NA
		2597.91 [3]		11/5/2001	367.75	122.25	2230.16	-0.19	NA
				2/12/2002	366.99	123.01	2230.92	0.76	NA
				5/6/2002	366.55	123.45	2231.36	0.44	NA
				8/6/2002	367.05	122.95	2230.86	-0.50	NA
				3/17/2003	366.39	123.61	2231.52	0.66	NA
				12/1/2003	365.90	124.10	2232.01	0.49	0.49
				5/10/2004	364.76	125.24	2233.15	1.14	1.63
				9/21/2004	364.48	125.52	2233.43	0.28	1.91
				11/15/2004	364.35	125.65	2233.56	0.13	2.04
				5/16/2005	363.35	126.65	2234.56	1.00	3.04
				11/14/2005	354.88	135.12	2243.03	8.47	11.51
				12/6/2005	363.77	126.23	2234.14	-8.89	2.62
				4/3/2006	363.42	126.58	2234.49	0.35	2.97
				5/30/2006	363.43	126.57	2234.48	-0.01	2.96
				6/16/2006	363.59	126.41	2234.32	-0.16	2.80
				7/13/2006	364.48	125.52	2233.43	-0.89	1.91
				8/29/2006	364.47	125.53	2233.44	0.01	1.92
				9/21/2006	364.39	125.61	2233.52	0.08	2.00
				11/13/2006	364.07	125.93	2233.84	0.32	2.32
				2/7/2007	363.90	126.10	2234.01	0.17	2.49
				4/25/2007	363.22	126.78	2234.69	0.68	0.00[24]
				8/6/2007	363.62	126.38	2234.29	-0.40	-0.40
				11/14/2007	363.34	126.66	2234.57	0.28	-0.12
				2/20/2008	362.80	127.20	2235.11	0.54	0.42
				4/7/2008	362.30	127.70	2235.61	0.50	0.92
				7/29/2008	361.73	128.27	2236.18	0.57	1.49
				10/28/2008	361.21	128.79	2236.70	0.52	2.01
				12/17/2009	357.86	132.14	2240.05	3.35	5.36
				8/19/2010	355.29	134.71	2242.62	2.57	7.93
				9/19/2011	352.16	137.84	2245.75	3.13	11.06
WR-180A WCS	55-527411	2560.22	#317 - 460	7/24/2001	334.43	125.57	2225.79	NA	NA
				11/5/2001	334.89	125.11	2225.33	-0.46	NA
				2/11/2002	334.39	125.61	2225.83	0.50	NA
				5/6/2002	334.28	125.72	2225.94	0.11	NA
				8/5/2002	334.18	125.82	2226.04	0.10	NA
				3/17/2003	333.18	126.82	2227.04	1.00	NA
				12/1/2003	333.92	126.08	2226.30	-0.74	-0.74
				5/10/2004	333.14	126.86	2227.08	0.78	0.04
		2560.134 [19]		7/28/2004	333.23	126.77	2226.90	-0.18	-0.14
				8/24/2004	333.16	126.84	2226.97	0.07	-0.07
				9/22/2004	333.26	126.74	2226.87	-0.10	-0.17
				10/19/2004	333.01	126.99	2227.12	0.25	0.08
				11/15/2004	332.93	127.07	2227.20	0.08	0.16
				12/20/2004	333.53	126.47	2226.60	-0.60	-0.44
				1/27/2005	332.44	127.56	2227.69	1.09	0.65
				2/16/2005	333.46	126.54	2226.67	-1.02	-0.37
				3/14/2005	333.10	126.90	2227.03	0.36	-0.01
				4/22/2005	333.10	126.90	2227.03	0.00	-0.01
				5/16/2005	331.82	128.18	2228.31	1.28	1.27
				6/10/2005	332.03	127.97	2228.10	-0.21	1.06
				7/29/2005	332.26	127.74	2227.87	-0.23	0.83
				8/29/2005	332.19	127.81	2227.94	0.07	0.90
				9/19/2005	332.42	127.58	2227.71	-0.23	0.67
				10/18/2005	332.43	127.57	2227.70	-0.01	0.66
				11/14/2005	332.35	127.65	2227.78	0.08	0.74
				12/6/2005	332.24	127.76	2227.89	0.11	0.85
				1/23/2006	331.88	128.12	2228.25	0.36	1.21
				2/27/2006	331.87	128.13	2228.26	0.01	1.22
				3/20/2006	331.74	128.26	2228.39	0.13	1.35
				4/3/2006	331.72	128.28	2228.41	0.02	1.37
				5/30/2006	331.92	128.08	2228.21	-0.20	1.17
				6/16/2006	331.92	128.08	2228.21	0.00	1.17
				7/13/2006	333.05	126.95	2227.08	-1.13	0.04
				8/29/2006	332.69	127.31	2227.44	0.36	0.40
				9/21/2006	332.61	127.39	2227.52	0.08	0.48
				11/13/2006	332.17	127.83	2227.96	0.44	0.92
				2/7/2007	332.28	127.72	2227.85	-0.11	0.81
				4/24/2007	331.56	128.44	2228.57	0.72	0.00[24]
				8/6/2007	331.68	128.32	2228.45	-0.12	-0.12
				11/13/2007	331.60	128.40	2228.53	0.08	-0.04
				2/21/2008	330.80	129.20	2229.33	0.80	0.76
				4/9/2008	330.36	129.64	2229.77	0.44	1.20
				7/30/2008	329.50	130.50	2230.63	0.86	2.06
				10/28/2008	328.85	131.15	2231.28	0.65	2.71
				12/17/2009	324.86	135.14	2235.27	3.99	6.70
				8/19/2010	322.51	137.49	2237.62	2.35	9.05
				9/19/2011	318.86	141.14	2241.27	3.65	12.70

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-181A	55-527406	2548.82	#298 - 440	7/23/2001	311.22	128.78	2237.60	NA	NA
				11/5/2001	312.21	127.79	2236.61	-0.99	NA
				2/12/2002	312.08	127.92	2236.74	0.13	NA
				5/6/2002	311.92	128.08	2236.90	0.16	NA
				8/5/2002	312.22	127.78	2236.60	-0.30	NA
				3/17/2003	312.08	127.92	2236.74	0.14	NA
				12/1/2003	312.20	127.80	2236.62	-0.12	-0.12
				5/10/2004	311.39	128.61	2237.43	0.81	0.69
				9/22/2004	311.66	128.34	2237.16	-0.27	0.42
				11/15/2004	311.58	128.42	2237.24	0.08	0.50
				5/16/2005	310.32	129.68	2238.50	1.26	1.76
				11/14/2005	312.04	127.96	2236.78	-1.72	0.04
				1/23/2006	311.42	128.58	2237.40	0.62	0.66
				4/4/2006	310.72	129.28	2238.10	0.70	1.36
				11/13/2006	311.36	128.64	2237.46	-0.64	0.72
				4/23/2007	310.30	129.70	2238.52	1.06	0.00[24]
				8/6/2007	310.04	129.96	2238.78	0.26	0.26
				11/14/2007	309.70	130.30	2239.12	0.34	0.60
				2/21/2008	308.90	131.10	2239.92	0.80	1.40
				4/9/2008	308.28	131.72	2240.54	0.62	2.02
				7/30/2008	307.72	132.28	2241.10	0.56	2.58
				10/28/2008	306.90	133.10	2241.92	0.82	3.40
				12/17/2009	302.94	137.06	2245.88	3.96	7.36
				8/19/2010	301.22	138.78	2247.60	1.72	9.08
				9/21/2011	297.23	142.77	2251.59	3.99	13.07
WR-186A	55-527407	2545.50	#261 - 406	7/24/2001	309.01	96.99	2236.49	NA	NA
		2545.49 [3]		11/5/2001	310.03	95.97	2235.46	-1.03	NA
				2/11/2002	309.53	96.47	2235.96	0.50	NA
				5/6/2002	309.47	96.53	2236.02	0.06	NA
				8/5/2002	309.83	96.17	2235.66	-0.36	NA
				3/17/2003	309.35	96.65	2236.14	0.48	NA
				12/2/2003	309.81	96.19	2235.68	-0.46	-0.46
				5/10/2004	309.08	96.92	2236.41	0.73	0.27
				9/22/2004	309.73	96.27	2235.76	-0.65	-0.38
				11/15/2004	309.43	96.57	2236.06	0.30	-0.08
				5/16/2005	308.25	97.75	2237.24	1.18	1.10
				11/14/2005	309.88	96.12	2235.61	-1.63	-0.53
				4/4/2006	308.59	97.41	2236.90	1.29	0.76
				11/13/2006	309.38	96.62	2236.11	-0.79	-0.03
				4/7/2008	305.59	100.41	2239.90	3.79	NA[31]
				10/28/2008	304.94	101.06	2240.55	0.65	NA[31]
				9/23/2011	295.78	110.22	2249.71	9.16	NA[31]
WR-207A	55-531208	2580.91	#312 - 448	7/23/2001	340.81	107.19	2240.10	NA	NA
				11/5/2001	341.66	106.34	2239.25	-0.85	NA
				2/11/2002	341.93	106.07	2238.98	-0.27	NA
				5/6/2002	341.48	106.52	2239.43	0.45	NA
		[7]		8/5/2002	342.09	105.91	2238.82	-0.61	NA
WR-207B	55-592443	2577.25	300 - 450	3/17/2003	339.03	110.97	2238.22	NA	NA
				12/2/2003	338.34	111.66	2238.91	0.69	0.69
				5/10/2004	337.37	112.63	2239.88	0.97	1.66
				9/21/2004	337.29	112.71	2239.96	0.08	1.74
				11/15/2004	337.23	112.77	2240.02	0.06	1.80
				5/16/2005	336.04	113.96	2241.21	1.19	2.99
				11/14/2005	336.87	113.13	2240.38	-0.83	2.16
				1/23/2006	336.57	113.43	2240.68	0.30	2.46
				4/3/2006	336.11	113.89	2241.14	0.46	2.92
				11/13/2006	336.36	113.64	2240.89	-0.25	2.67
				4/23/2007	335.81	114.19	2241.44	0.55	0.00[24]
				11/13/2007	335.46	114.54	2241.79	0.35	0.35
				2/21/2008	334.26	115.74	2242.99	1.20	1.55
				4/7/2008	332.79	117.21	2244.46	1.47	3.02
				7/28/2008	333.22	116.78	2244.03	-0.43	2.59
				10/28/2008	332.75	117.25	2244.50	0.47	3.06
				12/12/2008	332.07	117.93	2245.18	0.68	3.74
				12/17/2009	327.74	122.26	2249.51	4.33	8.07
				8/18/2010	325.56	124.44	2251.69	2.18	10.25
				9/20/2011	322.16	127.84	2255.09	3.40	13.65

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-273A	55-558356	2555.90	#301 - 341	7/24/2001	319.99	21.01	2235.91	NA	NA
		2555.89 [3]		11/5/2001	NM	NM	NM	NM	NA
				2/12/2002	320.53	20.47	2235.36	-0.55	NA
				5/7/2002	320.52	20.48	2235.37	0.01	NA
				8/5/2002	320.69	20.31	2235.20	-0.17	NA
				3/18/2003	320.69	20.31	2235.20	0.00	NA
				12/2/2003	320.59	20.41	2235.30	0.10	0.10
				5/10/2004	319.76	21.24	2236.13	0.83	0.93
				9/22/2004	319.84	21.16	2236.05	-0.08	0.85
				11/16/2004	319.84	21.16	2236.05	0.00	0.85
				5/16/2005	318.65	22.35	2237.24	1.19	2.04
				11/14/2005	319.66	21.34	2236.23	-1.01	1.03
				4/3/2006	318.86	22.14	2237.03	0.80	1.83
				11/13/2006	319.51	21.49	2236.38	-0.65	1.18
				4/23/2007	318.61	22.39	2237.28	0.90	0.00[24]
				11/20/2007	318.02	22.98	2237.87	0.59	0.59
				2/20/2008	317.43	23.57	2238.46	0.59	1.18
				4/7/2008	316.05	24.95	2239.84	1.38	2.56
				7/28/2008	316.18	24.82	2239.71	-0.13	2.43
				11/4/2008	315.52	25.48	2240.37	0.66	3.09
				12/17/2009	311.56	29.44	2244.33	3.96	7.05
				8/19/2010	309.66	31.34	2246.23	1.90	8.95
				9/20/2011	306.12	34.88	2249.77	3.54	12.49
WR-274A	55-558355	2568.54	#308 - 348	7/24/2001	332.94	15.06	2235.60	NA	NA
				11/5/2001	333.57	14.43	2234.97	-0.63	NA
				2/12/2002	333.44	14.56	2235.10	0.13	NA
				5/7/2002	333.33	14.67	2235.21	0.11	NA
				8/5/2002	333.56	14.44	2234.98	-0.23	NA
				3/18/2003	333.54	14.46	2235.00	0.02	NA
				12/2/2003	333.28	14.72	2235.26	0.26	0.26
				5/10/2004	332.55	15.45	2235.99	0.73	0.99
				9/22/2004	332.36	15.64	2236.18	0.19	1.18
				11/16/2004	332.39	15.61	2236.15	-0.03	1.15
				5/16/2005	331.39	16.61	2237.15	1.00	2.15
				11/14/2005	332.06	15.94	2236.48	-0.67	1.48
				1/23/2006	331.78	16.22	2236.76	0.28	1.76
				4/3/2006	331.36	16.64	2237.18	0.42	2.18
				11/13/2006	332.05	15.95	2236.49	-0.69	1.49
				4/23/2007	331.29	16.71	2237.25	0.76	0.00[24]
				11/16/2007	330.80	17.20	2237.74	0.49	0.49
				2/20/2008	330.06	17.94	2238.48	0.74	1.23
				4/8/2008	328.82	19.18	2239.72	1.24	2.47
				10/29/2008	328.49	19.51	2240.05	0.33	2.80
				9/23/2011	319.05	28.95	2249.49	9.44	12.24
WR-275A	55-558354	2574.59	#321 - 360	7/23/2001	338.09	21.91	2236.50	NA	NA
		2574.58 [3]		11/5/2001	338.82	21.18	2235.76	-0.74	NA
				2/12/2002	338.72	21.28	2235.86	0.10	NA
				5/7/2002	338.55	21.45	2236.03	0.17	NA
				8/5/2002	338.82	21.18	2235.76	-0.27	NA
				3/18/2003	338.81	21.19	2235.77	0.01	NA
				12/2/2003	334.51	25.49	2240.07	4.30	4.30
				5/10/2004	338.78	21.22	2235.80	-4.27	0.03
				9/22/2004	335.51	24.49	2239.07	3.27	3.30
				11/16/2004	337.51	22.49	2237.07	-2.00	1.30
				5/16/2005	336.51	23.49	2238.07	1.00	2.30
				11/14/2005	337.18	22.82	2237.40	-0.67	1.63
				4/3/2006	336.53	23.47	2238.05	0.65	2.28
				11/13/2006	337.19	22.81	2237.39	-0.66	1.62
				4/23/2007	336.44	23.56	2238.14	0.75	0.00[24]
				11/16/2007	335.97	24.03	2238.61	0.47	0.47
				2/20/2008	335.19	24.81	2239.39	0.78	1.25
				4/8/2008	333.89	26.11	2240.69	1.30	2.55
				10/29/2008	333.64	26.36	2240.94	0.25	2.80
				12/12/2008	333.03	26.97	2241.55	0.61	3.41
				9/27/2011	323.90	36.10	2250.68	9.13	12.54

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TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-352A WCS	55-575473	2558.75	#424 - 463	7/24/2001	340.61	39.00 [2]	2218.14	NA	NA
				11/5/2001	340.46	39.00	2218.29	0.15	NA
				2/11/2002	339.87	39.00	2218.88	0.59	NA
				5/6/2002	340.04	39.00	2218.71	-0.17	NA
				8/5/2002	339.63	39.00	2219.12	0.41	NA
				11/25/2002	336.70	39.00	2222.05	2.93	NA
				2/13/2003	338.53	39.00	2220.22	-1.83	NA
				3/17/2003	337.97	39.00	2220.78	0.56	NA
				4/15/2003	342.62	39.00	2216.13	-4.65	-4.65
				4/22/2003	342.54	39.00	2216.21	0.08	-4.57
				4/29/2003	342.96	39.00	2215.79	-0.42	-4.99
				5/6/2003	343.18	39.00	2215.57	-0.22	-5.21
				5/13/2003	343.39	39.00	2215.36	-0.21	-5.42
				5/20/2003	343.81	39.00	2214.94	-0.42	-5.84
				5/27/2003	341.69	39.00	2217.06	2.12	-3.72
				6/3/2003	343.36	39.00	2215.39	-1.67	-5.39
				8/14/2003	342.09	39.00	2216.66	1.27	-4.12
				9/23/2003	341.28	39.00	2217.47	0.81	-3.31
				12/1/2003	340.56	39.00	2218.19	0.72	-2.59
				1/29/2004	340.05	39.00	2218.70	0.51	-2.08
				2/25/2004	339.96	39.00	2218.79	0.09	-1.99
				3/29/2004	341.49	39.00	2217.26	-1.53	-3.52
				4/13/2004	341.91	39.00	2216.84	-0.42	-3.94
				5/10/2004	339.92	39.00	2218.83	1.99	-1.95
				6/17/2004	339.70	39.00	2219.05	0.22	-1.73
		2558.616 [19]		7/28/2004	339.49	39.00	2219.13	0.08	-1.65
				8/24/2004	339.00	39.00	2219.62	0.49	-1.16
				9/21/2004	339.40	39.00	2219.22	-0.40	-1.56
				10/19/2004	338.81	39.00	2219.81	0.59	-0.97
				11/15/2004	338.95	39.00	2219.67	-0.14	-1.11
				12/20/2004	340.07	39.00	2218.55	-1.12	-2.23
				1/27/2005	338.97	39.00	2219.65	1.10	-1.13
				2/16/2005	339.96	39.00	2218.66	-0.99	-2.12
				3/14/2005	339.53	39.00	2219.09	0.43	-1.69
				4/22/2005	339.79	39.00	2218.83	-0.26	-1.95
				5/16/2005	338.48	39.00	2220.14	1.31	-0.64
				6/10/2005	338.47	39.00	2220.15	0.01	-0.63
				7/29/2005	338.57	39.00	2220.05	-0.10	-0.73
				8/29/2005	338.57	39.00	2220.05	0.00	-0.73
				9/19/2005	338.86	39.00	2219.76	-0.29	-1.02
				10/18/2005	338.47	39.00	2220.15	0.39	-0.63
				11/14/2005	337.85	39.00	2220.77	0.62	-0.01
				12/6/2005	337.89	39.00	2220.73	-0.04	-0.05
				1/23/2006	337.58	39.00	2221.04	0.31	0.26
				2/27/2006	337.97	39.00	2220.65	-0.39	-0.13
				3/20/2006	337.85	39.00	2220.77	0.12	-0.01
				4/3/2006	337.86	39.00	2220.76	-0.01	-0.02
				5/30/2006	338.11	39.00	2220.51	-0.25	-0.27
				6/16/2006	338.18	39.00	2220.44	-0.07	-0.34
				8/31/2006	339.06	39.00	2219.56	-0.88	-1.22
				9/21/2006	337.50	39.00	2221.12	1.56	0.34
				11/13/2006	336.27	39.00	2222.35	1.23	1.57
				4/23/2007	335.41	39.00	2223.21	0.86	0.00 [24]
				8/6/2007	338.29	39.00	2220.33	-2.88	-2.88
				11/13/2007	337.99	39.00	2220.63	0.30	-2.58
				2/20/2008	337.20	39.00	2221.42	0.79	-1.79
				4/7/2008	336.97	39.00	2221.65	0.23	-1.56
				6/17/2008	333.81	39.00	2224.81	3.16	1.60
				10/28/2008	335.03	39.00	2223.59	-1.22	0.38
				9/20/2011	324.41	39.00	2234.21	10.62	11.00

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WR-353A	55-575474	2553.10	#416 - 454	7/24/2001	317.84	38.00 [2]	2235.26	NA	NA
				11/5/2001	NM	NA	NA	NA	NA
				2/11/2002	318.46	38.00	2234.64	-0.62	NA
				5/6/2002	318.22	38.00	2234.88	0.24	NA
				8/5/2002	318.51	38.00	2234.59	-0.29	NA
				3/17/2003	318.30	38.00	2234.80	0.21	NA
				12/2/2003	318.43	38.00	2234.67	-0.13	-0.13
				5/10/2004	317.51	38.00	2235.59	0.92	0.79
				9/21/2004	316.90	38.00	2236.20	0.61	1.40
				11/15/2004	317.49	38.00	2235.61	-0.59	0.81
				5/16/2005	316.38	38.00	2236.72	1.11	1.92
				11/14/2005	317.40	38.00	2235.70	-1.02	0.90
				4/3/2006	315.91	38.00	2237.19	1.49	2.39
				11/13/2006	317.27	38.00	2235.83	-1.36	1.03
				4/23/2007	316.31	38.00	2236.79	0.96	0.00 [24]
				11/14/2007	315.23	38.00	2237.87	1.08	1.08
				2/20/2008	315.17	38.00	2237.93	0.06	1.14
				4/7/2008	313.20	38.00	2239.90	1.97	3.11
				10/28/2008	313.42	38.00	2239.68	-0.22	2.89
				9/20/2011	303.20	38.00	2249.90	10.22	13.11

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WR-354A WCS	55-576420	2565.07	#333 - 380	7/23/2001	347.85	32.15	2217.22	NA	NA
				11/5/2001	347.62	32.38	2217.45	0.23	NA
				2/11/2002	346.92	33.08	2218.15	0.70	NA
				5/6/2002	346.53	33.47	2218.54	0.39	NA
				8/5/2002	346.15	33.85	2218.92	0.38	NA
				11/25/2002	345.92	34.08	2219.15	0.23	NA
				2/13/2003	345.34	34.66	2219.73	0.58	NA
				3/17/2003	345.12	34.88	2219.95	0.22	NA
				4/15/2003	345.78	34.22	2219.29	-0.66	-0.66
				4/22/2003	345.65	34.35	2219.42	0.13	-0.53
				4/29/2003	345.69	34.31	2219.38	-0.04	-0.57
				5/6/2003	345.79	34.21	2219.28	-0.10	-0.67
				5/13/2003	345.70	34.30	2219.37	0.09	-0.58
				5/20/2003	345.90	34.10	2219.17	-0.20	-0.78
				5/27/2003	345.91	34.09	2219.16	-0.01	-0.79
				6/3/2003	345.74	34.26	2219.33	0.17	-0.62
				8/14/2003	345.64	34.36	2219.43	0.10	-0.52
				9/23/2003	345.29	34.71	2219.78	0.35	-0.17
				12/1/2003	345.07	34.93	2220.00	0.22	0.05
				1/29/2004	344.72	35.28	2220.35	0.35	0.40
				2/25/2004	344.50	35.50	2220.57	0.22	0.62
				3/29/2004	345.58	34.42	2219.49	-1.08	-0.46
				4/13/2004	345.32	34.68	2219.75	0.26	-0.20
				5/10/2004	343.79	36.21	2221.28	1.53	1.33
				6/17/2004	343.83	36.17	2221.24	-0.04	1.29
		2564.844 [19]		7/28/2004	343.64	36.36	2221.20	-0.04	1.25
				8/24/2004	343.44	36.56	2221.40	0.20	1.45
				9/21/2004	343.31	36.69	2221.53	0.13	1.58
				10/19/2004	343.19	36.81	2221.65	0.12	1.70
				11/15/2004	343.55	36.45	2221.29	-0.36	1.34
				12/20/2004	343.86	36.14	2220.98	-0.31	1.03
				1/27/2005	342.83	37.17	2222.01	1.03	2.06
				2/16/2005	343.80	36.20	2221.04	-0.97	1.09
				3/14/2005	343.47	36.53	2221.37	0.33	1.42
				4/22/2005	343.31	36.69	2221.53	0.16	1.58
				5/16/2005	342.08	37.92	2222.76	1.23	2.81
				6/10/2005	341.94	38.06	2222.90	0.14	2.95
				7/29/2005	342.25	37.75	2222.59	-0.31	2.64
				8/29/2005	342.29	37.71	2222.55	-0.04	2.60
				9/19/2005	342.47	37.53	2222.37	-0.18	2.42
				10/18/2005	342.41	37.59	2222.43	0.06	2.48
				11/14/2005	341.98	38.02	2222.86	0.43	2.91
				12/6/2005	341.84	38.16	2223.00	0.14	3.05
				1/23/2006	341.68	38.32	2223.16	0.16	3.21
				2/27/2006	341.68	38.32	2223.16	0.00	3.21
				3/20/2006	341.74	38.26	2223.10	-0.06	3.15
				4/3/2006	341.59	38.41	2223.25	0.15	3.30
				5/30/2006	341.79	38.21	2223.05	-0.20	3.10
				6/16/2006	341.89	38.11	2222.95	-0.10	3.00
				8/31/2006	342.71	37.29	2222.13	-0.82	2.18
				9/21/2006	342.53	37.47	2222.31	0.18	2.36
				11/13/2006	342.35	37.65	2222.49	0.18	2.54
				2/7/2007	342.78	37.22	2222.06	-0.43	2.11
				4/23/2007	341.96	38.04	2222.88	0.82	0.00[24]
				8/6/2007	342.02	37.98	2222.82	-0.06	-0.06
				11/13/2007	341.93	38.07	2222.91	0.09	0.03
				2/21/2008	340.98	39.02	2223.86	0.95	0.98
				4/9/2008	340.62	39.38	2224.22	0.36	1.34
				7/30/2008	339.40	40.60	2225.44	1.22	2.56
				10/28/2008	339.03	40.97	2225.81	0.37	2.93
				12/17/2009	335.18	44.82	2229.66	3.85	6.78
				8/19/2010	332.78	47.22	2232.06	2.40	9.18
				9/20/2011	329.34	50.66	2235.50	3.44	12.62

TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-358A	55-577633	2549.91	#325 - 371	7/24/2001	316.54	46.00 [2]	2233.37	NA	NA
				11/5/2001	NM	NA	NA	NA	NA
				2/12/2002	316.92	46.00	2232.99	-0.38	NA
				5/6/2002	316.88	46.00	2233.03	0.04	NA
				8/5/2002	317.04	46.00	2232.87	-0.16	NA
				3/18/2003	316.87	46.00	2233.04	0.17	NA
				12/2/2003	317.01	46.00	2232.90	-0.14	-0.14
				5/10/2004	316.16	46.00	2233.75	0.85	0.71
				9/22/2004	316.12	46.00	2233.79	0.04	0.75
				11/16/2004	316.13	46.00	2233.78	-0.01	0.74
				5/16/2005	314.93	46.00	2234.98	1.20	1.94
				11/14/2005	315.77	46.00	2234.14	-0.84	1.10
				1/23/2006	315.45	46.00	2234.46	0.32	1.42
				4/3/2006	315.04	46.00	2234.87	0.41	1.83
				8/29/2006	315.83	46.00	2234.08	-0.79	1.04
				9/21/2006	315.84	46.00	2234.07	-0.01	1.03
				11/13/2006	315.68	46.00	2234.23	0.16	1.19
				2/7/2007	315.50	46.00	2234.41	0.18	1.37
				4/23/2007	314.96	46.00	2234.95	0.54	0.00[24]
				8/6/2007	314.73	46.00	2235.18	0.23	0.23
				11/12/2007	314.54	46.00	2235.37	0.19	0.42
				2/20/2008	313.73	46.00	2236.18	0.81	1.23
				4/10/2008	313.46	46.00	2236.45	0.27	1.50
				7/29/2008	312.72	46.00	2237.19	0.74	2.24
				11/6/2008	312.20	46.00	2237.71	0.52	2.76
				12/17/2009	308.23	46.00	2241.68	3.97	6.73
				8/19/2010	306.13	46.00	2243.78	2.10	8.83
				9/23/2011	302.67	46.00	2247.24	3.46	12.29
WR-367A	55-581353	2601.69	#319 - 411	7/23/2001	360.37	50.63	2241.32	NA	NA
				11/5/2001	360.99	50.01	2240.70	-0.62	NA
				2/12/2002	360.78	50.22	2240.91	0.21	NA
				5/6/2002	360.51	50.49	2241.18	0.27	NA
				8/6/2002	361.27	49.73	2240.42	-0.76	NA
				3/18/2003	361.43	49.57	2240.26	-0.16	NA
				12/1/2003	360.66	50.34	2241.03	0.77	0.77
				5/10/2004	359.65	51.35	2242.04	1.01	1.78
				9/22/2004	359.37	51.63	2242.32	0.28	2.06
				11/16/2004	359.38	51.62	2242.31	-0.01	2.05
				5/16/2005	358.28	52.72	2243.41	1.10	3.15
				11/14/2005	358.95	52.05	2242.74	-0.67	2.48
				4/3/2006	358.33	52.67	2243.36	0.62	3.10
				11/13/2006	359.35	51.65	2242.34	-1.02	2.08
				4/23/2007	358.36	52.64	2243.33	0.99	0.00[24]
				11/20/2007	358.03	52.97	2243.66	0.33	0.33
				2/19/2008	357.16	53.84	2244.53	0.87	1.20
		2600.76 [29]		4/7/2008	355.67	55.33	2245.09	0.56	1.76
				10/28/2008	355.89	55.11	2244.87	-0.22	1.54
				12/12/2008	355.19	55.81	2245.57	0.70	2.24
				9/20/2011	346.36	64.64	2254.40	8.83	11.07
WR-435A	55-587406	2619.53	330 - 420	11/5/2001	374.05	45.95	2245.48	NA	NA
				2/12/2002	373.42	46.58	2246.11	0.63	NA
				5/6/2002	373.03	46.97	2246.50	0.39	NA
				8/6/2002	374.27	45.73	2245.26	-1.24	NA
				3/17/2003	374.01	45.99	2245.52	0.26	NA
				12/1/2003	373.43	46.57	2246.10	0.58	0.58
				5/10/2004	372.39	47.61	2247.14	1.04	1.62
				9/22/2004	372.26	47.74	2247.27	0.13	1.75
				11/16/2004	372.59	47.41	2246.94	-0.33	1.42
				5/16/2005	371.01	48.99	2248.52	1.58	3.00
				11/14/2005	371.90	48.10	2247.63	-0.89	2.11
				4/4/2006	371.30	48.70	2248.23	0.60	2.71
				11/13/2006	372.57	47.43	2246.96	-1.27	1.44
				4/23/2007	371.33	48.67	2248.20	1.24	0.00[24]
				11/12/2007	371.23	48.77	2248.30	0.10	0.10
				2/21/2008	369.88	50.12	2249.65	1.35	1.45
				4/7/2008	369.28	50.72	2250.25	0.60	2.05
				7/29/2008	368.82	51.18	2250.71	0.46	2.51
				10/28/2008	368.73	51.27	2250.80	0.09	2.60
				12/12/2008	368.09	51.91	2251.44	0.64	3.24
				12/17/2009	365.28	54.72	2254.25	2.81	6.05
				8/19/2010	363.44	56.56	2256.09	1.84	7.89
				9/20/2011	360.05	59.95	2259.48	3.39	11.28

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REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date [1]	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)
WR-458A		2542.489 [23]	252 - 425	11/14/2005	314.98	110.02	2227.51	NA	NA
				1/23/2006	314.52	110.48	2227.97	0.46	NA
				2/27/2006	314.42	110.58	2228.07	0.10	NA
				3/20/2006	314.24	110.76	2228.25	0.18	NA
				4/3/2006	314.24	110.76	2228.25	0.00	NA
				5/30/2006	314.57	110.43	2227.92	-0.33	NA
				6/16/2006	314.61	110.39	2227.88	-0.04	NA
				8/31/2006	315.35	109.65	2227.14	-0.74	NA
				9/21/2006	315.34	109.66	2227.15	0.01	NA
				11/13/2006	314.82	110.18	2227.67	0.52	NA
				4/23/2007	314.12	110.88	2228.37	0.70	0.00[24]
				8/6/2007	314.20	110.80	2228.29	-0.08	-0.08
				11/13/2007	314.05	110.95	2228.44	0.15	0.07
				2/21/2008	312.72	112.28	2229.77	1.33	1.40
				4/7/2008	311.02	113.98	2231.47	1.70	3.10
				10/28/2008	311.46	113.54	2231.03	-0.44	2.66
				9/23/2011	301.24	123.76	2241.25	10.22	12.88
WR-459A		2536.427 [23]	253 - 405	11/14/2005	304.25	100.75	2232.18	NA	NA
				4/3/2006	303.31	101.69	2233.12	0.94	NA
				11/13/2006	303.91	101.09	2232.52	-0.60	NA
				4/23/2007	303.15	101.85	2233.28	0.76	0.00[24]
				11/13/2007	302.94	102.06	2233.49	0.21	0.21
				2/21/2008	301.79	103.21	2234.64	1.15	1.36
				4/7/2008	300.66	104.34	2235.77	1.13	2.49
				10/28/2008	300.39	104.61	2236.04	0.27	2.76
				9/23/2011	290.83	114.17	2245.60	9.56	12.32
WR-702A		2526.33 [6] [34]	292 - 392	2/19/2009	311.90	80.10	2214.43	NA	NA
		[34]		5/20/2009	313.38	78.62	2212.95	-1.48	NA
		[34]		8/19/2009	311.90	80.10	2214.43	1.48	NA
		[34]		10/15/2009	311.15	80.85	2215.18	0.75	NA
		[34]		11/23/2009	310.69	81.31	2215.64	0.46	NA
		[34]		2/18/2010	309.32	82.68	2217.01	1.37	NA
		[34]		5/20/2010	309.07	82.93	2217.26	0.25	NA
		[34]		8/18/2010	307.42	84.58	2218.91	1.65	NA
		[34]		11/16/2010	307.00	85.00	2219.33	0.42	NA
		[34]		2/22/2011	305.45	86.55	2220.88	1.55	NA
				9/22/2011	300.77	91.23	2225.56	4.68	NA
WR-703A		2520.74 [6] [34]	294 - 394	5/20/2009	309.48	84.52	2211.26	NA	NA
		[34]		8/19/2009	307.91	86.09	2212.83	1.57	NA
		[34]		11/23/2009	306.42	87.58	2214.32	1.49	NA
		[34]		2/18/2010	305.43	88.57	2215.31	0.99	NA
		[34]		5/20/2010	304.29	89.71	2216.45	1.14	NA
		[34]		8/18/2010	303.84	90.16	2216.90	0.45	NA
		[34]		11/16/2010	302.86	91.14	2217.88	0.98	NA
				9/22/2011	295.66	98.34	2225.08	7.20	NA
WR-704A		2521.84 [6] [34]	290 - 350	5/20/2009	312.91	37.09	2208.93	NA	NA
		[34]		8/19/2009	311.29	38.71	2210.55	1.62	NA
		[34]		11/23/2009	309.89	40.11	2211.95	1.40	NA
		[34]		2/18/2010	308.70	41.30	2213.14	1.19	NA
		[34]		5/20/2010	307.80	42.20	2214.04	0.90	NA
		[34]		8/18/2010	307.64	42.36	2214.20	0.16	NA
		[34]		11/16/2010	306.16	43.84	2215.68	1.48	NA
				9/22/2011	299.72	50.28	2222.12	6.44	NA

TABLE 1
GROUNDWATER ELEVATION DATA, 2001 THROUGH 2011
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID*	ADWR Reg. No.	Measuring Point Elevation (feet amsl)	Effective Screened Interval of Well (feet below grade)	Date (1)	Depth to Groundwater (feet)	Saturated Screen Interval	Groundwater Level Elevation (feet amsl)	Change in Water Level Since Previous Event (feet +/-)	Change in Water Level Relative to Baseline Event (feet +/-)

Notes: ADWR - Arizona Department of Water Resources
amsl - above mean sea level
Initial baseline water levels measured 3/17-18/2003. Second baseline water levels measured 4/23-27/07.
NA - Change in elevation not applicable.
NM - Depth to groundwater not measured.
- Effective screened interval based on video logging conducted between 2000 and 2001 and differ from original well construction details.
* - The WCS beneath the Well ID indicates that this well is included in the Western Containment System monitoring network.
(1) - The day on which the depth to groundwater was recorded.
(2) - Well constructed with submerged screen interval (BP-11, BP-24B, BP-24C, WR-352A, WR-353A, and WR-358A).
(3) - Casing elevation was recalculated from International Feet to U.S. Survey Feet in November 2001; elevation correction as indicated.
(4) - Sounding pipe on well C-026B protrudes from well casing at an angle. Depth to water measurement shows calculated value.
(5) - Steel riser pipe was added to D-022A since previous sampling event; elevation correction as indicated.
(6) - Elevation provided by City of Tucson Environmental Management Division.
(7) - Well WR-207A was abandoned by the City of Tucson on 8/21/02 and was replaced by WR-207B.
(8) - Sounding pipe on well C-026B protrudes from well casing at an angle. Depth to water measurement shows calculated value.
(9) - Wells R-090A and R-091A were not gauged during this event due to physical access constraints.
(10) - Riser pipe added to measuring point. Field measured elevation change as noted.
(11) - Field measured elevation of sounding tube located in the well casing.
(12) - Depth to water provided by URS. Referenced to survey point (assumed to be corrected for angled measurement (see note 2 above).
(13) - C-026B - Measured to PVC transducer pipe (installed Fall 2003), located ~9 inches (0.75 feet) higher than surveyed mark.
(14) - Measuring point elevation surveyed in 12/03 by Shane Survey Company.
(15) - Water elevation correction factor of 0.573 ft calculated to account for bend in sounding tube.
(16) - Water level in Extraction / Injection wells rounded to the nearest foot. Depth to water provided by URS.
(17) - Water elevation correction factor of 3.5 feet. Depth to water provided by Tucson Water.
(18) - Unable to measure groundwater depth due to access problems with the wells (R-068A and R-069B).
(19) - Measuring point elevation re-surveyed in 11/04 and 12/04 and applied to groundwater elevation calculation beginning 7/28/04 per ADEQ request.
(20) - Pumping and non-pumping water levels recorded.
(21) - C-020B measuring point elevation obtained from the City of Tucson.
(22) - C-020B measuring point elevation re-surveyed 10/05; water level measurement data corrected to measurement point at base of sounding tube.
(23) - Measuring point elevation re-surveyed 10/05.
(24) - New baseline event preceding restart of WCS on 4/25/07.
(25) - Sounder repeatedly stuck in well before reaching groundwater, no measurements were obtained.
(26) - Well installed after the restart of the WCS.
(27) - Well no longer accessible for gauging.
(28) - Obstruction in sounding pipe, depth to water not measured.
(29) - Measuring point elevation resurveyed 5/08 and applied to groundwater elevation calculation beginning 4/9/08.
(30) - Screened interval submerged due to rising water levels.
(31) - Well not gauged prior to restart of WCS on 4/25/07.
(32) - Pump not functioning, equipment including sounding tube removed from well; groundwater elevation not accurately calculated.
(33) Approximate top of casing elevation based on survey data point at ground surface.
(34) Depth to water provided by City of Tucson

TABLE 2
CHRONOLOGY OF EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Date	Description
Early 1940s to Early 1970s	Sand and gravel mining operations occur at and near the BSL and/or BNL
1953 to Early 1960s	Land filling occurs at the BSL.
Approx. 1960 through Mid 1970s	Land filling occurs at the BNL.
1976	City production well C-022A is removed from the active list for groundwater supply reasons.
June/July 1987	PCE is detected in city well D-022A at concentrations as high as 13.5 µg/L. Well D-022A is taken out of service due to PCE concentrations exceeding the EPA's recommended MCL of 5 µg/L.
1988	PCE and TCE are detected in city wells C-021A, C-022A, D-021A. (Well C-022A was already out of service in 1976 due to water supply reasons.)
April 1989	The PCE concentration in well C-021A increases to 8.4 µg/L and the well is taken out of service.
June-August 1990	Tucson Water installs five monitor wells (WR-177A, WR-178A, WR-179A, WR-180A, and WR-181A).
January-August 1991	Tucson Water installs two additional monitor wells (WR-186A in January; and WR-207A in August).
May 1991	The PCE concentration in city well D-021A exceeds the proposed MCL and the well is taken out of service.
1993	Tucson Water adopts policy to shutdown wells that exceed 1/2 of the MCL for any VOC constituent.
1994	Mayor and Council request Tucson Water to restrict use of five closest municipal supply wells to meeting peak demand only. Wells are listed "last on, first off' in the following order of use: C-058B, C-056B, C-026B, C-114A, C-020B. Action is taken as a result of PCE detections in some of these active wells.
September 1995	PCE at a concentration of 4.9 µg/L is found at St. Joseph's Hospital well. City water is provided to the hospital until St. Joseph's Hospital and COT select a wellhead treatment system. The COT funds the design and installation of the system.
January 1997	COT and Pima County complete the installation of monitor wells WR-273A, WR-274A, and WR-275A adjacent to the BNL as part of the LOU Remedial Investigation. The wells are constructed with 40-foot screens to intercept only the uppermost portion of the aquifer.
May 1997 - present	The wellhead treatment system for St. Joseph's Hospital is completed by a contractor working for the COT. St. Joseph's resumes use of its private well. All ensuing results show non-detect for PCE and TCE after treatment. The City provides ongoing regulatory monitoring and reporting for the wellhead treatment system.
1997	COT undertakes a landfill well inventory study to field verify location and use of private wells within a one mile radius of each landfill with City involvement. An extended search area is used for BNL. Search shows a limited number of active private wells in the area.
June 1998	Tucson Water shuts down Well C-026B, which is one of its "last on, first off" wells, due to detection concentrations over the MCL. COT adds this well to its annual list of monitor wells to be sampled.
June-July, 1998	COT and Pima County recommend ADEQ install and sample three additional monitor wells. The well locations are jointly selected by the three agencies. The ADEQ installs wells SJ-1, SJ-2, and SE-1 downgradient of the LOU.

TABLE 2
CHRONOLOGY OF EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Date	Description
1998	COT obtains access to sample an active private well at the Simoniz Car Wash northwest of the groundwater plume. The well is identified during the well inventory and is added to the annual list of wells to be sampled.
December 1998 - September 2000	COT's groundwater flow model is developed and interim groundwater containment plan is devised. The model is completed with the documentation report submitted to ADEQ in March 2000. The Interim Containment Plan – Conceptual Design is completed and submitted to ADEQ in September 2000.
November - December 1999	The COT installs four additional monitoring wells downgradient of the BNL (WR-352A, WR-353A, WR-354A, WR-358A) to assist with contaminant plume delineation in the GOU.
2000	Tucson Water, concerned about increasing PCE concentrations in a monitoring well on the southern edge of the plume (WR-179A), voluntarily restricts pumpage in the two closest southern production wells to summer peak demand and contingency use only.
June, 2000	COT installs the first groundwater monitoring well at the Broadway South Landfill (WR-367A). Results are provided to ADEQ showing PCE concentrations exceeding the MCL.
June 2000	The BNL Early Response Action SVE/AI System installation by the COT and Pima County is completed and the system starts operation.
From 2001 to the present--all site work was performed by ADEQ and its contractors unless indicated otherwise.	
January 2001	The design for the Early Response Action Western Containment System (WCS) is completed by COT and approved by ADEQ. The design for the smaller Southern Containment System is suspended pending additional field investigations by ADEQ to be completed December 2001.
June 2001	ADEQ and COT execute a work share agreement under which COT will contract for and oversee construction of the WCS, with reimbursement of all direct costs by ADEQ; ADEQ will take over responsibility for O&M of the SVE system; and COT will grant ADEQ access to COT rights-of-way for installation of groundwater monitor wells needed for the investigation of the site.
2001-2002	13 new deep monitoring wells are installed in the GOU downgradient of the BNL and BSL. The wells are installed as part of the GOU RI.
July - August 2001	ADEQ takes over (from COT) the annual Site groundwater monitoring.
January - February 2002	Initial Site RI field work initiated at the BNL by ADEQ.
September 2002	The SVE system is shut down because of low recovery rates, and periodic rebound testing is initiated.
November 2002	Focused Investigation, which determined that the BSL is not a contributor at this time to the GOU plume, is completed.
February 2003	A detailed BNL site walk is performed to identify areas of concern on landfill surface to be addressed during follow-on surface soil sampling.
March 2003	WCS operation begins.
May 2003	Post startup monitoring of the WCS is initiated. ADEQ completes a vertical flow evaluation in selected GOU monitoring wells. ADEQ conducts surface soil sampling at BNL.
June 2003	The ADEQ/COT work share agreement is amended to provide for COT responsibility for WCS O&M and ADEQ responsibility for reimbursement of COT for all direct costs for COT's O&M work.

TABLE 2
CHRONOLOGY OF EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Date	Description
August 2005	COT installs two BP-series wells (BP-20 and BP-21) near the leading edge of the GOU.
September 2005	ADEQ initiates remedial investigations of the BSL as part of the GOU RI.
April 2006	BSL field investigations begin. Four deep nested vapor probe wells and two combination groundwater monitoring wells and nested deep vapor probe wells are installed (BP-22 and BP-23).
April 2007	Draft Remedial Investigation Report for GOU and Other Potential Sources is issued for public comment by ADEQ.
November/December 2007	BP-24A/B/C shallow-/intermediate-/deep-screened groundwater monitor well cluster is installed approximately 1500 feet downgradient of the BNL to assist in vertical delineation of the plume.
May, 2008	BP-25 groundwater monitor well is installed at the northwestern edge of the BNL to help delineate the BNL plume to the north.
November 2008	Proposed Remedial Objectives Report is issued for public comment by ADEQ.
December 2008	ADEQ/COT work share agreement is amended to provide for ADEQ reimbursement of COT for direct costs for installation of three groundwater monitor wells west of BP-21, and COT to perform quarterly sampling of select groundwater monitor wells.
January 2009	WCS Effectiveness Evaluation is completed.
January 2009	Under ADEQ/COT work share agreement, COT installs WR-702A, WR-703A, and WR-704A groundwater monitor wells to the west of BP-21, and begins quarterly monitoring of these wells and other select wells at western part of site.
June 2010	Groundwater fate-and-transport model construction and preliminary simulations are completed by ADEQ with input from COT and Tucson Water.
July 2010	Human Health Risk Assessment (HHRA) for the shallow soil gas pathway between BNL and adjacent residences is completed.
June 2012	The Final Remedial Investigation (which includes the Final Remedial Objectives Report and responsiveness summaries) is issued by ADEQ.

Note: Chronology of events for period from 1976 through January 2001 based primarily on Table 1-1 of URS (2002a).

WCS effectiveness report
HHRA report
5th SVE rebound test
Installation of BP-24 well set
Installation of BP-25 well
Installation of WR702/3/4--addition of Catalina Village (name?)
Workshare amended for TW to perform quarterly sampling
completion of fate and transport model and preliminary scenarios modeled
WCS effectiveness modeling completed
Major WCS shutdowns?
VRP NW development on BSL
Anything re PNL for BNL?
Anything re work stoppage (to explain why little work during 2009, 2010?
PCE/TCE memo finalization

TABLE 3
TUCSON BASIN HYDROGEOLOGIC PARAMETER ESTIMATES
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Hydrostratigraphic Unit	General Equivalent Geologic Unit	Depth Interval		Porosity (%)	Hydraulic Conductivity (ft/day)	Storage Coefficient	Specific Yield	Transmissivity (ft^2/day)
		Top (ft bgs)	Thickness (feet)					
Upper Basin Fill Unit	Recent Alluvium	0	20-30		NA	NA	0.25[a] 0.15-0.34[b] 0.11-027[c] 0.08[d]	NA
	Fort Lowell Formation	20-30	300	26/34[a]	1-350[f] 30-90[a]	NA	0.15[a] 0.07-0.18[b]	4,000-1,100,000[f]
	Uppermost Upper Tinaja beds	300-320	170-240	24-35[a]	1-350[f] 1-55[a]	NA	0.15[a]	4,000-1,100,000[f] 1,300-20,100[a]
Middle Basin Fill Unit	Lowermost Upper Tinaja beds	470-540[h]	750+	24-35[a]	5-10[f]	0.0001[g]	0.15[a]	500-7000[f]
Lower Basin Fill Unit	Middle Tinaja beds	Unknown	1,500+	24-35[a]	1-55[a]	0.0001[g]	0.15[a]	1,300-20,100[a] <<2700[e]
	Lower Tinaja beds	Unknown	2,000+	24-35[a] 35-41[b]	1-55[a]	0.0001[g]	0.15[a]	1,300-20,100[a]
	Pantano Formation	5,000 (?)	2,000	20-27[a]	0.7-13[a]	0.001-0.01[b]	0.1[a]	<670[a]
Lower Confining Unit	Precambrian Intrusive and Metamorphic Rocks			NA	NA	NA	NA	NA

Notes:
a Basin wide measurement (Davidson, 1973) Note: Tinaja beds undifferentiated.
b Near Rillito Creek (Pool and Schmidt, 1997)
c Near Rillito Creek (Montgomery, 1971)
d Demonstration Recharge Site CH2M Hill (1986)
e Northeast Tucson Basin (Rogers, 1987)
f City of Tucson (1992)
g Hanson and Benedict (1993)
h Marra (1992)
NA = not available

Modified from Table 2-1, same title as above, from URS (2002a).

TABLE 4
ANNUAL WATER PRODUCTION (IN MILLIONS OF GALLONS), SITE GOU AND VICINITY
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Year	C-019A	C-020A	C-020B	C-021A	C-022A	C-025A	C-025B	C-026A	C-026B	C-046B	C-048B	C-049B	C-051B	C-056A	C-056B	C-058A	C-058B	C-114A	D-018A	D-021A	D-022A	D-039A	D-040A	D-041A	Total Pumpage (Million Gallons)
1957	51.8	12.9		25.9																					91
1958	54.7	13.7		27.3																					96
1959	69.5	17.4		34.8										4.0		3.5									129
1960	71.0	19.6		36.0	56.7	43.9		24.6						33.5		29.3			49.2						364
1961	107.9	13.6		65.3	41.5	39.5		82.7						42.2		26.1			36.6	101.8	20.2				577
1962	159.3	38.2		106.7	53.9	23.5		92.7						31.8		28.2			82.1	80.2	11.4				708
1963	160.0	20.0		18.9	65.5	13.5		55.8						10.7		32.8			168.2	101.6	13.5				661
1964	182.3	0.3		14.7	67.6	4.0		48.8						45.2		94.9			193.5	168.2	18.3				838
1965	172.9			8.3	74.1			2.6						29.6		122.9			125.9	138.5	17.5				692
1966	171.2			53.0	43.6			37.4						48.8		69.5			57.4	68.2	3.2				552
1967	115.3	9.7		57.3				8.6						30.3		53.4			73.5	102.6	46.1				497
1968	46.8		112.2	63.4	11.0		8.3	53.2						64.7		63.7			46.8	36.8	62.2				569
1969	76.6		100.4	46.0	52.5		46.5	86.8						102.6		89.0			48.5	47.5	42.0	62.8	56.4	57.0	915
1970	108.8		93.6	57.1	60.7		80.2	84.5					100.2	104.0		61.0			73.5	58.1	44.2	108.1	50.6	44.1	1129
1971	62.1		111.3	33.9	52.9		105.5	50.9					241.5	57.9		107.3			84.8	56.0	39.8	80.4	62.1	4.4	1151
1972	81.3		109.5	40.1	53.4		117.0	54.0					272.3	73.7		107.3			89.5	70.8	28.2	85.7	67.3		1250
1973	69.8		143.7	76.5	52.5		155.7	54.4					283.8	63.0		130.7			111.0	85.2	31.2	67.4	50.3		1375
1974	85.8		145.3	94.6	50.1		175.2	18.2					257.5	92.2		77.8			107.1	94.1	72.3	43.1	56.3		1370
1975	86.1		125.6	77.7	45.6		158.3	106.1					189.2	99.0		91.6			112.7	102.1	109.0	132.1	31.1		1466
1976	63.9		131.5	64.7	0.6		124.3	84.0					205.0	39.8		51.6			65.8	30.2	98.9	72.5	41.2	74.7	1149
1977	44.6		72.2	57.4			113.1	108.9					113.8	50.7		39.7			108.7	88.5	101.4	60.5	34.3	57.9	1052
1978	2.7		110.8	49.1			175.5						85.1	2.1					123.7	1.2	105.5	38.8	55.9	68.1	819
1979	30.2		70.9	38.4			158.7		27.6	132.6	66.9	125.9	76.0		181.0		84.0	71.1	83.7	89.4	48.5	17.6	42.6	60.3	1405
1980	10.4		66.8	37.8			194.1		144.7	148.0	191.1	70.1	139.8		152.8		170.6	170.1	75.6	82.7	38.2	41.5	42.9	60.4	1838
1981	9.4						71.3		227.1	312.8	39.9	140.7	258.2		376.2		378.5	309.9	37.2	119.7	66.5		26.4	64.9	2439
1982							64.5		231.6	271.6	312.9	307.6	272.6		355.5		253.3	365.4	45.2	125.3	56.2		0.2	122.4	2784
1983				5.2			104.7		208.6	218.6	372.5	521.1	238.7		359.3		183.2	393.5	70.7	183.6	4.2			95.5	2959
1984							85.1		331.0	316.9	448.9	500.3	265.2		369.5		364.5	304.4	47.0	119.6		0.5	1.8	124.6	3279
1985	0.0		58.1	28.3			67.8		345.6	254.7	428.4	494.0	290.7		346.9		398.9	188.9	68.3	106.1	14.2		29.0	81.2	3201
1986			79.3	18.5			76.6		343.2	258.7	417.2	425.2	120.1		333.8		395.6	330.9	68.5	65.6			49.2	0.2	2983
1987			64.3	44.0			192.4		308.8	282.9	401.4	447.8	241.3		348.0		381.9	315.5	133.8	192.0	1.9		21.3		3377
1988			77.7	42.0			193.8		291.2	273.3	366.7	430.5	209.2		331.9		353.2	304.7	78.3	156.3			29.3		3138
1989			92.3	3.4			128.9		167.0	255.2	331.8	395.3	182.9		323.8		329.9	248.9	61.3	198.5			105.8		2825
1990			157.0				84.2		71.1	202.4	369.5	354.8	310.3		311.9		289.4	256.9	121.2	164.0			0.1		2693
1991			240.0				3.3		104.4	159.3	407.9	329.7	289.5		284.2		219.7	212.9	158.8	43.6					2453
1992			192.3				138.3		174.7	114.6	340.4	398.4	217.2		221.8		187.3	154.2	128.9						2268
1993									0.3	0.2	12.1	1.0	1.2		0.2		0.4	0.1	0.1						16
1994			52.6				170.1		40.8	216.7	364.6	409.9	258.5		62.8		61.5	48.4	35.2						1721
1995			10.1				262.0		21.5	277.4	377.9	478.8	239.2		22.7		18.8	10.2	86.9						1806
1996			0.9				256.2		0.8	267.2	359.6	483.1	236.0		1.2		0.8	1.3	62.6						1670
1997							220.2		1.9	319.9	363.9	429.0	310.0		0.0		0.1	0.6	79.4						1725
1998			6.2				172.1		0.9	275.5	300.1	402.9	308.9		6.8		5.3	7.3	107.3						1593
1999			0.9				42.9		0.0	241.3	187.5	359.7	263.5		0.9		0.9	0.0	75.6						1173
2000			0.2				76.6		0.0	166.9	226.1	239.4	192.6		0.2		0.0	0.0	38.1						940
2001			0.2				0.2		0.0	11.8	29.3	2.0	17.8		0.2		0.0	0.0	0.1						62
2002			0.0				0.0		0.0	33.0	47.2	31.7	22.8		0.0		0.1	0.1	0.1						135
2003			0.1				0.0			62.0	72.1	1.1	0.7		0.0		0.1	0.0	0.0						136
2004			0.0				0.0			15.3	27.5	0.1	0.1		0.0		0.1	0.0	0.0						43
2005							0.0			18.6	65.4	0.0	0.1		0.0		0.0	0.1	0.3						85
2006			24.4				9.3			80.1	122.7	0.0	97.0		16.9		10.5	25.5	4.1						391
2007			0.0				0.0			25.6	46.2	0.0	30.2		0.0		0.1	0.0	0.0						102
2008			0.1				0.0			43.7	83.9	0.0	47.1		0.0		0.0	0.1	0.0						175
2009			0.0				0.0			11.2	17.0	0.0	28.6		0.0		0.0	0.0	0.1						57
2010			0.0				0.0			56.9	79.4	0.0	41.7		0.0		0.0	0.0	0.0						178

Notes: 1) Modified from Table 2-3 of URS (2002a). Data for calendar years 2007-2010 added from electronic mail supplied to ADEQ by Bruce Prior of Tucson Water, delivered on January 19, 2012. All volumes are rounded to the nearest tenth of a MG. The supplied data includes the 6 last-on/first-off Tucson Water production wells wells that are within the Broadway-Pantano WQARF Site GOU plus C-046B, C-048B, C-049B and C-051B located west of Craycroft Road.

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
Mayo	WH	WH	11/6/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
Catalina Village	WH	WH	9/28/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<4.0	NA	NA	NA	NA
411-P	Well Head	WH	12/3/2003		**4.2**	**0.64**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	3/29/2004		**4.5**	**0.73**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	5/11/2004		**3.5**	**0.66**	<0.50	<0.50	**0.51**	<3.0	<0.50	**2.5**	NA	NA	NA	NA
		WH	8/24/2004		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		WH	9/9/2004 [7]		**4.5**	**0.7**	<0.50	<0.50	**0.5**	<0.50	<0.50	**1.1**	NA	NA	NA	NA
		WH	11/17/2004		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		WH	12/6/2004 [7]		**5.4**	**0.9**	<0.50	<0.50	**0.6**	<0.50	<0.50	**1.7**	NA	NA	NA	NA
		WH	2/18/2005		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		WH	3/14/2005 [7]		**5.3**	**1.0**	<0.50	NA	**0.7**	<0.50	<0.50	**2.0**	NA	NA	NA	NA
		WH	5/17/2005		**4.2**	**0.84**	<0.50	<0.50	**0.66**	<3.0	<0.50	**2.3**	NA	NA	NA	NA
		WH	9/19/2005		**6.2**	**1.1**	<0.50	<0.50	**0.78**	<3.0	<0.50	**3.1**	NA	**1.0**	<0.20	**1.0**
		WH	11/17/2005		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		WH	1/26/2006		**2.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.1**	<0.020	**1.1**
		WH	2/15/2006[7]		**5.9**	**1.2**	<0.50	<0.50	**0.8**	<0.50	<0.50	**1.7**	NA	NA	NA	NA
		WH	3/1/2006[7]		**6.0**	**1.1**	<0.50	<0.50	**0.8**	<0.50	<0.50	**1.6**	NA	NA	NA	NA
		WH	4/7/2006		**4.0**	**1.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**1.9**	NA	**2.1**	<0.020	**2.1**
		WH	9/28/2006		**2.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**2.2**	<0.020	**2.2**
		WH	10/2/2006 [7]		<0.50	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.4**	NA	NA	NA	NA
		WH	11/16/2006		**3.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.9**	<0.020	**1.9**
		WH	1/5/2007 [7]		**8.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1**	NA	NA	NA	NA
		WH	2/6/2007		**5.5**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.9**	<0.020	1.9
		WH	4/27/2007		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		WH	8/7/2007		**4.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	11/14/2007		**3.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	12/3/2007 [7]		**4.7**	**0.8**	<0.50	<0.50	**0.7**	<0.50	<0.50	**1.4**	NA	NA	NA	NA
		WH	12/3/2007 [2,7]		**4.6**	**0.8**	<0.50	<0.50	**0.6**	<0.50	<0.50	**1.2**	NA	NA	NA	NA
		WH	3/3/2008 [7]		**3.4**	**0.5**	<0.50	<0.50	<0.50	<0.50	<0.50	**0.9**	NA	NA	NA	NA
		WH	3/3/2008 [2,7]		**3.5**	**0.7**	<0.50	<0.50	**0.6**	<0.50	<0.50	**1.0**	NA	NA	NA	NA
		WH	4/9/2008		**2.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	11/5/2008		**3.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	9/28/2011	**X**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
416-P	Well Head	WH	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	12/3/2003 [2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**12**	NA	NA
		WH	5/13/2004		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**13**	NA	NA
		WH	7/15/2004[4]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	**11**	<0.020	NA
		WH	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**12**	<0.020	**12**
		WH	9/22/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**13**	<0.020	NA
		WH	11/16/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**14[5]**	NA	**14**
		WH	2/18/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**13**	<0.020	**13**
		WH	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**14**	<0.020	**14**
		WH	9/19/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**15**	<0.020	**15**
		WH	11/14/2005		<2.0	<2.0	<5.0	<2.0	<2.0	<5.0	<2.0	<5.0	NA	**14**	<0.020	**15**
		WH	1/26/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**13**	<0.020	**13**
		WH	4/7/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**15**	<0.020	**15**
		WH	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**14**	<0.020	**14**
		WH	11/16/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**14**	<0.020	**14**
		WH	4/27/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**9.7**	<0.020	**9.7**
		WH	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**13**	<0.010	**13**
		WH	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**13**	<0.010	**13**
		WH	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**13**	<0.010	**13**
		WH	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<4.0	NA	**12**	<0.20	**12**

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-1 WCS	5	5	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
	50	50	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	11/25/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**5.0**	<0.020	**5.0**
		50	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**4.7**	<0.020	**4.7**
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**2.8[5]**	NA	**2.8**
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**5.1**	<0.020	**5.1**
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**4.0**	<0.020	**4.0**
		50	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**5.3**	<0.020	**5.3**
		50	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**6.6**	<0.020	**6.6**
		50	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**7.1**	<0.020	**7.1**
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**6.5**	<0.020	**6.5**
		50	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**3.5**	<0.020	**3.5**
		50	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**3.3**	<0.020	**3.3**
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**3.3**	<0.020	**3.3**
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**3.0**	<0.010	**3.0**
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**6.8**	<0.010	**6.8**
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**4.2**	<0.010	**4.2**
		50	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**8.6**	<0.010	**8.6**
		50	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	**3.6**	<0.010	**3.6**
		50	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	104-106	104	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		105	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		106	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		106	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		107	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	<1.0	NA	NA
		106	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	**1.1**	NA	NA
		106	5/20/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	**2.5**	NA	NA

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	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-2 WCS	5	5	1/11/2002		**4.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	NA	NA	NA	NA
		5	1/28/2002		**3.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	NA	NA	NA	NA
		5	2/13/2002		**5.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.6**	NA	NA	NA	NA
		5	5/8/2002		**4.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.6**	**180**	NA	NA	NA
		5	8/8/2002		**3.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	**180**	NA	NA	NA
		5	11/25/2002		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		5	3/19/2003		**1.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		5	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/13/2007[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	25	25	9/21/2005		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	11/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/3/2006[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.3**	<0.020	**1.3**
		25	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/13/2006[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/8/2007[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	1/11/2002		**7.6**	**0.5**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.0**	NA	NA	NA	NA
		50	1/28/2002		**13.0**	**0.8**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.4**	NA	NA	NA	NA
		50	2/13/2002		**13.0**	**1.0**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.7**	NA	NA	NA	NA
		50	5/8/2002		**16.0**	**0.9**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.5**	**160**	NA	NA	NA
		50	8/8/2002		**13.0**	**0.7**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.6**	**180**	NA	NA	NA
		50	11/25/2002		**10.0**	**0.62**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.1**	**170**	NA	NA	NA
		50	3/19/2003		**9.5**	**0.53**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.7**	**170**	NA	NA	NA
		50	12/2/2003		**18.0**	**1.3**	<0.50	<0.50	**0.58**	<3.0	<0.50	**12**	NA	**2.4**	<0.020	**2.4**
		50	3/29/2004		**17.0**	**1.4**	<0.50	<0.50	**0.61**	<3.0	<0.50	**12**	NA	NA	<0.020	**2.4**
		50	5/12/2004		**20.0**	**1.5**	<0.50	<0.50	**0.66**	<3.0	<0.50	**14**	NA	<2.5	NA	NA
		50	8/25/2004		**16.0**	**1.3**	<0.50	<0.50	**0.58**	<3.0	<0.50	**7.1**	NA	**2.9**	<0.020	**2.9**
		50	11/18/2004		**19.0**	**1.6**	<0.50	<0.50	**0.60**	<3.0	<0.50	**8.9**	NA	**2.4[5]**	NA	**2.4**
		50	2/18/2005		**9.4**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	**3.3**	NA	**2.6**	<0.020	**2.6**
		50	2/18/2005[2]		**9.4**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	**3.6**	NA	NA	NA	NA
		50	5/18/2005		**8.6**	**0.77**	<0.50	<0.50	<0.50	<3.0	<0.50	**4.9**	NA	**2.4**	<0.020	**2.4**
		50	9/21/2005		**3.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.1**	NA	**1.7**	<0.020	**1.7**
		50	11/17/2005		**1.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.6**	<0.020	**1.6**
		50	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.5**	<0.020	**1.5**
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.5**	<0.020	**1.5**
		50	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.1**	NA	**1.5**	<0.020	**1.5**
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.9**	<0.020	**1.9**
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

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	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-2 WCS	100-107	100	1/11/2002		**8.2**	**0.5**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.0**	NA	NA	NA	NA
		104	1/28/2002		**12.0**	**0.6**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.8**	NA	NA	NA	NA
		105	2/13/2002		**8.3**	**0.6**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.4**	NA	NA	NA	NA
		105	5/8/2002		**7.6**	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	**2.3**	**150**	NA	NA	NA
		106	8/8/2002		**12.0**	**0.7**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.8**	**170**	NA	NA	NA
		106	11/25/2002		**11.0**	**0.58**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.0**	**170**	**1.6**	NA	NA
		107	3/19/2003		**8.7**	**0.51**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.8**	**170**	**1.7**	NA	NA
		105	5/20/2003		**11.0**	**0.7**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.1**	**170**	**1.9**	NA	NA
		100	11/17/2005		**1.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		100	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		100	9/19/2011[2]	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-3 WCS	5	5	7/10/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		5	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	50	50	7/10/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		50	3/29/2004		**0.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	<0.020	<0.50
		50	3/29/2004 [2]		**0.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	<0.50
		50	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/24/2004		<5.0	<5.0	<5.0	<5.0	<5.0	<30	<5.0	<20	NA	NA	NA	NA
		50	11/17/2004		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**0.73**	<0.020	**0.73**
		50	2/17/2005[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/17/2005		**1.1**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/21/2005[2]		**1.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.0**	NA	NA	NA	NA
		50	9/21/2005		**1.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2005		**1.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.1**	NA	NA	NA	NA
		50	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/26/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	98-100	98	7/10/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		98	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		99	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		99	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		100	5/21/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		100	11/17/2005		**1.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		100	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-4 WCS	5	5	1/11/2002		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	1/28/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/13/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		5	5/7/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	**120**	NA	NA	NA
		5	8/7/2002		**2.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	**160**	NA	NA	NA
		5	11/25/2002		**3.2**	**0.56**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**170**	NA	NA	NA
		5	3/19/2003		**3.1**	**0.58**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**170**	NA	NA	NA
		5	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
	50	50	1/11/2002		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	NA	NA	NA	NA
		50	1/28/2002		**1.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	NA	NA	NA	NA
		50	2/13/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		50	5/7/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	**120**	NA	NA	NA
		50	8/7/2002		**4.4**	**0.7**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.5**	**130**	NA	NA	NA
		50	11/25/2002		**5.9**	**1.0**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.4**	**140**	NA	NA	NA
		50	3/19/2003		**10.0**	**2.0**	<0.50	<0.50	**1.2**	<1.0	<0.50	**6.4**	**170**	NA	NA	NA
		50	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.4**	<0.020	**1.4**
		50	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	**1.4**
		50	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.6**	<0.020	**1.6**
		50	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.9[5]**	NA	**1.9**
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.7**	<0.020	**1.7**
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.8**	<0.020	**1.8**
		50	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.3**	NA	**1.7**	<0.020	**1.7**
		50	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.8**	<0.020	**1.8**
		50	11/16/2005[2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.5**	<0.020	**1.5**
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.4**	<0.020	**1.4**
		50	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.3**	<0.020	**1.3**
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.3**	<0.020	**1.5**
		50	4/26/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.4**	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/19/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	91-96	94	1/28/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		94	2/13/2002		**1.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		95	5/7/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		95	8/7/2002		**1.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.0**	**120**	NA	NA	NA
		91	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	**130**	NA	NA	NA
		96	3/19/2003		**3.4**	**0.52**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.0**	**130**	NA	NA	NA
	97-103	99	1/11/2002		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		103	5/20/2003		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**190**	NA	NA	NA
		100	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		100	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	9/19/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-5 WCS	5	5	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	50	50	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		50	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/18/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/21/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	100-102	100	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		100	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		101	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		101	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		102	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		102	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		101	5/20/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	Grab		12/17/2009[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			2/18/2010[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			5/20/2010[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			8/18/2010[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			11/16/2010[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-7	5	5	1/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	8/5/2002		**1.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	1/27/2005		**16.0**	**3.4**	<0.50	<0.50	**1.8**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	2/17/2005		**5.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.0**	NA	NA	NA	NA
		5	2/17/2005[2]		**2.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	3/14/2005		**9.6**	**2.3**	<0.50	<0.50	**1.2**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	3/14/2005[2]		**7.2**	**2.0**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/22/2005		**14.0**	**3.9**	<1.0	<1.0	**2.0**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/22/2005 [2]		**23.0**	**4.9**	<0.50	<1.0	**2.3**	<3.0	<0.5	<2.0	NA	NA	NA	NA
		5	5/18/2005		**24.0**	**5.4**	<0.50	<0.50	**2.8**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	9/21/2005		**32.0**	**6.6**	<0.50	<0.50	**3.5**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/18/2005		**28.0**	**6.1**	<0.50	<0.50	**2.7**	<2.0	<0.50	<1.0	NA	NA	NA	NA
		5	1/25/2006		**23.0**	**6.0**	<1.0	<1.0	**2.8**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/6/2006		**18.0**	**5.5**	<1.0	<1.0	**2.6**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	8/7/2007		**29.0**	**6.0**	<1.0	<1.0	**2.8**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/16/2007		**1.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/16/2007[2]		**2.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/8/2008		**1.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/8/2008[2]		**1.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/20/2011	**X**	**3.8**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	25	25	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.2**	<0.020	**1.2**
		25	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		25	11/17/2004		**13.0**	**3.3**	<0.50	<0.50	**1.8**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	1/27/2005		**1.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	2/17/2005		**18.0**	**4.2**	<1.0	<1.0	**1.9**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	3/14/2005		**1.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	3/14/2005[2]		**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	3/14/2005[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/22/2005		**1.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/22/2005[2]		**2.6**	**0.58**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	5/18/2005		**5.2**	**1.2**	<0.50	<0.50	**0.60**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	5/18/2005[2]		**5.2**	**1.2**	<0.50	<0.50	**0.58**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	9/21/2005		**33.0**	**6.8**	<0.50	<0.50	**3.6**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	11/18/2005		**28.0**	**6.3**	<0.50	<0.50	**2.8**	<2.0	<0.50	<1.0	NA	NA	NA	NA
		25	1/25/2006		**25.0**	**5.6**	<1.0	<1.0	**2.8**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	1/25/2006[2]		**24.0**	**6.0**	<1.0	<1.0	**3.1**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/6/2006		**18.0**	**5.0**	<1.0	<1.0	**2.7**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2006		**24.0**	**5.7**	<1.0	<1.0	**3.4**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/27/2007		**2.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/7/2007		**29.0**	**5.9**	<1.0	<1.0	**2.8**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/7/2007[2]		**28.0**	**6**	<1.0	<1.0	**2.7**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2007		**1.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/20/2011	**X**	**3.9**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		25	9/20/2011[2]	**X**	**4.1**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-7	50	50	1/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	11/18/2005		**23.0**	**5.1**	<0.50	<0.50	**2.3**	<2.0	<0.50	<1.0	NA	NA	NA	NA
		50	1/25/2006		**13.0**	**3.4**	<1.0	<1.0	**1.6**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/6/2006		**11.0**	**3.2**	<1.0	<1.0	**1.6**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2006		**14.0**	**3.1**	<1.0	<1.0	**1.6**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/27/2007		<1.0	<1.0	<1.0	<1.0	**1.1**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/27/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/7/2007		**16.0**	**3.3**	<1.0	<1.0	**1.5**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	100-105	100	1/11/2002		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	NA	NA	NA	NA
		104	1/28/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		104	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		104	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		105	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		105	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		100	1/25/2006		**13.0**	**3.0**	<1.0	<1.0	**1.6**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	4/6/2006		**8.1**	**2.3**	<1.0	<1.0	**1.2**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	8/7/2007		**11.0**	**2.2**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-8	5	5	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	1/27/2005		**2.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	2/18/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	3/14/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	3/14/2005(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/22/2005		**11.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**4.9**	NA	NA	NA	NA
		5	5/18/2005		**12.0**	**0.65**	<0.50	<0.50	<0.50	<3.0	<0.50	**4.4**	NA	NA	NA	NA
		5	9/21/2005		**4.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.9**	NA	NA	NA	NA
		5	11/18/2005		**15.0**	**1.0**	<0.50	<0.50	<0.50	<2.0	<0.50	**4.4**	NA	NA	NA	NA
		5	1/25/2006		**1.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/6/2006		**2.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.9**	NA	NA	NA	NA
		5	8/7/2007		**2.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**<5.0**	NA	NA	NA	NA
		5	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	25	25	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.6**	<0.020	**1.6**
		25	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		25	11/17/2004		**16.0**	**0.63**	<0.50	<0.50	<0.50	<3.0	<0.50	**5.0**	NA	NA	NA	NA
		25	1/27/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	1/27/2005 (2)		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	2/18/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	3/14/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	3/14/2005(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/22/2005		**9.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.7**	NA	NA	NA	NA
		25	4/22/2005(2)		**10.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.8**	NA	NA	NA	NA
		25	5/18/2005		**9.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.0**	NA	NA	NA	NA
		25	9/21/2005(2)		**15.0**	**0.92**	<0.50	<0.50	<0.50	<3.0	<0.50	**7.3**	NA	NA	NA	NA
		25	9/21/2005		**16.0**	**0.94**	<0.50	<0.50	<0.50	<3.0	<0.50	**7.2**	NA	NA	NA	NA
		25	11/18/2005		**14.0**	**0.92**	<0.50	<0.50	<0.50	<2.0	<0.50	**4.0**	NA	NA	NA	NA
		25	11/18/2005 (2)		**14.0**	**0.88**	<0.50	<0.50	<0.50	<2.0	<0.50	**3.9**	NA	NA	NA	NA
		25	1/25/2006		**10.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.3**	NA	NA	NA	NA
		25	4/6/2006		**9.1**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**4.5**	NA	NA	NA	NA
		25	11/16/2006		**11.0**	**1.4**	<1.0	<1.0	<1.0	<5.0	<1.0	**3.4**	NA	NA	NA	NA
		25	4/27/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/7/2007		**14.0**	**1.6**	<1.0	1.1	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/4/2008(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-8	50	50	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	11/18/2005		**14.0**	**0.85**	<0.50	<0.50	<0.50	<2.0	<0.50	**3.8**	NA	NA	NA	NA
		50	1/25/2006		**8.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.0**	NA	NA	NA	NA
		50	4/6/2006		**4.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.2**	NA	NA	NA	NA
		50	11/16/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2006[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/27/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/27/2007[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/7/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	96-100	97	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		96	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		97	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		97	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		97	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		97	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		100	1/25/2006		**4.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	4/6/2006		**3.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.6**	NA	NA	NA	NA
		100	4/6/2006[2]		**3.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.2**	NA	NA	NA	NA
		100	8/7/2007		**5.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		100	9/20/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
BP-9	5	5	1/11/2002		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/13/2002		**1.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/8/2002		**2.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**210**	NA	NA	NA
		5	8/7/2002		**2.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**220**	NA	NA	NA
		5	3/19/2003		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.4**	**220**	NA	NA	NA
		5	12/3/2003		**3.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.1**	NA	**1.6**	<0.020	NA
		5	5/12/2004		**2.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.3**	NA	<2.5	NA	NA
		5	11/18/2004		**3.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/17/2005		**3.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.5**	NA	NA	NA	NA
		5	11/18/2005		**3.8**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**2.7**	NA	NA	NA	NA
		5	4/6/2006		**3.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.4**	NA	NA	NA	NA
		5	11/15/2006		**3.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/26/2007		**4.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**4.9**	NA	NA	NA	NA
		5	11/16/2007		**3.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/9/2008		**3.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008		**4.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/23/2011	X	**2.7**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	1/11/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/13/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/8/2002		**1.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	**190**	NA	NA	NA
		50	8/7/2002		**1.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	**200**	NA	NA	NA
		50	3/19/2003		**1.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.1**	**190**	**5.1**	<0.020	NA
	100-108	100	1/11/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		107	2/13/2002		**1.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		108	5/8/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		108	8/7/2002		**1.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.9**	**190**	NA	NA	NA
		108	3/19/2003		**1.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**190**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-10	5	5	12/12/2001		**49.0**	**2.5**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.1**	NA	NA	NA	NA
		5	1/2/2002		**46.0**	**2.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.2**	NA	NA	NA	NA
		5	2/14/2002		**43.0**	**2.1**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.4**	NA	NA	NA	NA
		5	5/9/2002		**36.0**	**1.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.0**	**230**	NA	NA	NA
		5	8/8/2002		**20.0**	**0.6**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.5**	**220**	NA	NA	NA
		5	3/19/2003		**8.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**3.0**	**210**	NA	NA	NA
		5	11/15/2007		**3.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/10/2008		**3.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/5/2008		**4.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	25	25	12/3/2003		**7.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.1**	NA	NA	NA	NA
		25	5/13/2004		**5.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.0**	NA	<2.5	NA	NA
		25	5/13/2004(2)		**6.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.0**	NA	<2.5	NA	NA
		25	11/19/2004		**6.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.2**	NA	NA	NA	NA
		25	11/19/2004(2)		**6.1**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.3**	NA	NA	NA	NA
		25	5/17/2005		**5.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.6**	NA	NA	NA	NA
		25	11/18/2005		**4.9**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**2.4**	NA	NA	NA	NA
		25	4/6/2006		**2.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.3**	NA	NA	NA	NA
		25	11/15/2006		**3.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.6**	NA	NA	NA	NA
		25	4/26/2007		**4.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**<1.0**	NA	NA	NA	NA
		25	11/15/2007		**2.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/10/2008		**2.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/5/2008		**3.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/23/2011	**X**	**3.7**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	12/12/2001		**50.0**	**2.5**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.1**	NA	NA	NA	NA
		50	1/2/2002		**49.0**	**2.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.2**	NA	NA	NA	NA
		50	2/14/2002		**47.0**	**2.0**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.4**	NA	NA	NA	NA
		50	5/9/2002		**38.0**	**1.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.8**	**230**	NA	NA	NA
		50	8/8/2002		**28.0**	**0.8**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.1**	**220**	NA	NA	NA
		50	3/19/2003		**8.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**3.1**	**200**	NA	NA	NA
		50	11/18/2005		**4.7**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**2.3**	NA	NA	NA	NA
		50	11/18/2005 (2)		**4.8**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**2.0**	NA	NA	NA	NA
		50	4/6/2006		**3.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.0**	NA	NA	NA	NA
		50	11/15/2006		**3.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.2**	NA	NA	NA	NA
		50	4/26/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2007		**2.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/10/2008		**2.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/5/2008		**2.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/23/2011	**X**	**3.6**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	99-100	100	12/14/2001		**46.0**	**2.4**	<0.50	<0.50	<0.50	<1.0	<0.50	**2.2**	NA	NA	NA	NA
		100	1/2/2002		**49.0**	**2.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.2**	NA	NA	NA	NA
		99	2/14/2002		**45.0**	**2.0**	<0.50	<0.50	<0.50	<1.0	<0.50	**4.3**	NA	NA	NA	NA
		100	5/9/2002		**36.0**	**1.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**3.9**	**230**	NA	NA	NA
		99	8/8/2002		**28.0**	**0.8**	<0.50	<0.50	<0.50	**1.0**	<0.50	**4.1**	**210**	NA	NA	NA
		99	3/19/2003		**8.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**3.1**	**200**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-11	17-19	18	9/13/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		18	11/6/2001		**1.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	NA	NA	NA	NA
		18	2/13/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	NA	NA	NA	NA
		19	12/3/2003		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**4.6**	<0.020	**4.6**
		18	5/12/2004		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**0.83**	NA	<2.5	NA	NA
		17	11/18/2004		**5.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.0**	NA	NA	NA	NA
		18	5/17/2005		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		18	5/17/2005		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		18	11/17/2005		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		18	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		18	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		18	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		18	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		18	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		18	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		18	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	63	63	9/13/2001		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
	50	50	11/6/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		50	2/13/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**210**	NA	NA	NA
		50	8/7/2002		<0.5	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.5	**210**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.58**	**210**	NA	NA	NA
	108-110	110	9/13/2001		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		108	11/6/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		108	2/13/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		109	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**210**	NA	NA	NA
		108	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**210**	NA	NA	NA
		108	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.56**	**220**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-15	5	5	12/12/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		5	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.9**	<0.020	**1.9**
		5	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		5	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/18/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	12/12/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/18/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	96-100	100	12/12/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		96	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		97	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**190**	NA	NA	NA
		97	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		98	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-16 WCS	5	5	7/10/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	8/6/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		5	3/18/2003		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		5	12/1/2003		**1.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**4.4**	<0.020	**4.4**
		5	5/12/2004		**1.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		5	8/25/2004		**2.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/18/2004		**2.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/18/2004[2]		**2.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	2/17/2005		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	5/17/2005		**1.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	9/21/2005		**3.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.4**	NA	NA	NA	NA
		5	11/17/2005		**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<4.0	NA	NA	NA	NA
		5	1/24/2006		**1.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.1**	NA	NA	NA	NA
		5	4/5/2006		**1.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.2**	NA	NA	NA	NA
		5	11/15/2006		**2.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.6**	NA	NA	NA	NA
		5	2/5/2007		**2.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/26/2007		**2.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.5**	NA	NA	NA	NA
		5	8/8/2007		**2.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/12/2007		**1.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/7/2008		**2.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008		**1.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9//23/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	7/10/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	8/6/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**170**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		50	12/1/2003		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	3/30/2004		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/12/2004		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/25/2004		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/18/2004		**1.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/17/2005		**2.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.6**	NA	NA	NA	NA
		50	5/17/2005		**1.1**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/21/2005		**1.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.0**	NA	NA	NA	NA
		50	11/17/2005		**1.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<4.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2006		**1.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.1**	NA	NA	NA	NA
		50	2/5/2007		**1.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.2**	NA	NA	NA	NA
		50	4/26/2007		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.0**	NA	NA	NA	NA
		50	8/8/2007		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/7/2008		**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/30/2008		**1.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/23/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		50	9/23/2011[2]	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	100	100	7/10/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		100	8/6/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA
		100	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**180**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-19	5	5	2/24/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	25	25	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		25	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		25	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	2/24/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	101	101	2/24/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		101	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
BP-20 WCS	5	5	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
	25	25	9/21/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	11/15/2005		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/4/2006(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	9/27/2006(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	7/28/2008(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	9/21/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/15/2005		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	8/8/2007(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	75	75	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-21 WCS	5	5	1/25/2006		**2.8**	<1.0	<1.0	<1.0	<1.9	<5.0	<1.0	**1.4**	NA	NA	NA	NA
		5	11/19/2007		**8.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/8/2008		**9.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.0**	NA	NA	NA	NA
		5	4/8/2008[2]		**9.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.4**	NA	NA	NA	NA
		5	7/29/2008		**6.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.6**	NA	NA	NA	NA
		5	7/29/2008[2]		**7.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.8**	NA	NA	NA	NA
		5	10/31/2008		**7.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.1**	NA	NA	NA	NA
		5	10/31/2008[2]		**7.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	25	25	9/21/2005		**5.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**4.0**	NA	NA	NA	NA
		25	11/17/2005		**3.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.9**	NA	NA	NA	NA
		25	1/25/2006		**3.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.4**	NA	NA	NA	NA
		25	4/5/2006		**4.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	9/27/2006		**2.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2006		**4.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.9**	NA	NA	NA	NA
		25	2/5/2007		**6.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.7**	NA	NA	NA	NA
		25	4/26/2007		**7.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.7**	NA	NA	NA	NA
		25	8/9/2007		**6.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/19/2007		**7.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/8/2008		**9.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.0**	NA	NA	NA	NA
		25	7/29/2008		**7.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**7.0**	NA	NA	NA	NA
		25	10/31/2008		**7.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/23/2011	X	**1.6**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	9/21/2005		**5.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.4**	NA	NA	NA	NA
		50	11/17/2005		**2.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2005 [2]		**2.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/25/2006		**2.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/5/2006		**3.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.7**	NA	NA	NA	NA
		50	11/16/2006		**5.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.6**	NA	NA	NA	NA
		50	2/5/2007		**6.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.4**	NA	NA	NA	NA
		50	2/5/2007 [2]		**6.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**4.2**	NA	NA	NA	NA
		50	4/26/2007		**8.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.2**	NA	NA	NA	NA
		50	8/9/2007		**6.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/19/2007		**7.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		**9.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.2**	NA	NA	NA	NA
		50	7/29/2008		**7.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.3**	NA	NA	NA	NA
		50	10/31/2008		**7.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/23/2011	X	**1.7**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	75	75	11/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
	100	100	10/31/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	Purge		11/19/2007[11]		**6.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
			11/19/2007[2,11]		**8.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	Grab		5/20/2009[7]		**6.9**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.3**	NA	NA	NA	NA
			8/19/2009[7]		**6.1**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.0**	NA	NA	NA	NA
			8/19/2009[2][7]		**5.9**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**2.8**	NA	NA	NA	NA
			11/23/2009[7]		**6.0**	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**2.8**	NA	NA	NA	NA
			2/18/2010[7]		**6.7**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.7**	NA	NA	NA	NA
			5/20/2010[7]		**5.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.1**	NA	NA	NA	NA
			8/18/2010[7]		**4.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.6**	NA	NA	NA	NA
			11/16/2010[7]		**4.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.3**	NA	NA	NA	NA

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2001 THROUGH 2011
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Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-22	5	5	5/24/2006		**2.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	9/28/2006		**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
	25	25	5/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/25/2007[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/21/2011	**X**	**8.4**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		25	9/21/2011[2]	**X**	**8.2**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	5/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	75	75	5/24/2006		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		75	9/28/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		75	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		75	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		75	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-23	5	5	5/24/2006		**22.0**	**1.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**4.5**	NA	NA	NA	NA
		5	9/28/2006		**11.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
	25	25	5/24/2006		**21.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**4.4**	NA	NA	NA	NA
		25	9/28/2006		**12.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2006		**21.0**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.0**	NA	NA	NA	NA
		25	4/27/2007		**24**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.5**	NA	NA	NA	NA
		25	11/20/2007		**18**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/10/2008		**23**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.2**	NA	NA	NA	NA
		25	11/4/2008		**19**	**2.8**	<1.0	<1.0	**2.2**	<5.0	<1.0	**14**	NA	NA	NA	NA
		25	11/4/2008(2)		**32**	**1.8**	<1.0	<1.0	<1.0	<5.0	<1.0	**8.4**	NA	NA	NA	NA
		25	9/26/2011	X	**35**	**3.2**	<1.0	<1.0	**1.0**	<4.0	<1.0	**4.2**	NA	NA	NA	NA
	50	50	5/24/2006		**21.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**4.7**	NA	NA	NA	NA
		50	9/28/2006		**12.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2006(2)		**20.0**	**1.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.3**	NA	NA	NA	NA
		50	11/16/2006		**20.0**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**4.9**	NA	NA	NA	NA
		50	4/27/2007		**24**	**1.2**	<1.0	<1.0	<1.0	<5.0	<1.0	**6.3**	NA	NA	NA	NA
		50	11/20/2007		**24**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.6**	NA	NA	NA	NA
			4/10/2008		**23**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0				
	75	75	5/24/2006		**20.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.9**	NA	NA	NA	NA
		75	9/28/2006		**13.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		75	11/16/2006		**21.0**	**1.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.1**	NA	NA	NA	NA
		75	4/27/2007		**29**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**6.4**	NA	NA	NA	NA
		75	11/20/2007		**24**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**7.2**	NA	NA	NA	NA
BP-24A	5	5	1/21/2008		**31**	**5.1**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/9/2008		**30**	**5.2**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.8**	NA	NA	NA	NA
		5	7/29/2008		**30**	**4.7**	<1.0	<1.0	<1.0	<5.0	<1.0	**14**	NA	NA	NA	NA
		5	7/29/2008(2)		**32**	**4.9**	<1.0	<1.0	<1.0	<5.0	<1.0	**16**	NA	NA	NA	NA
		5	11/5/2008		**22**	**3.8**	<1.0	<1.0	<1.0	<5.0	<1.0	**11**	NA	NA	NA	NA
		5	9/26/2011	X	**17**	**3.5**	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	10	10	1/21/2008		NA	NA	NA	NA	NA	NA	NA	NA	**170**	**1.9**	<0.10	NA
	15-20	20	1/21/2008		**33**	**4.9**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		20	1/21/2008(2)		**34**	**5.2**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.1**	NA	NA	NA	NA
		20	4/9/2008		**29**	**4.9**	<1.0	<1.0	<1.0	<5.0	<1.0	**7.7**	NA	NA	NA	NA
		15	11/5/2008		**23**	**4.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**12**	NA	NA	NA	NA
		20	9/26/2011	X	**18**	**3.5**	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
BP-24B	50	50	1/21/2008		**9.4**	**3.1**	<1.0	<1.0	**1.6**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/9/2008		**15**	**4.8**	<1.0	<1.0	**2.7**	<5.0	<1.0	**21**	NA	NA	NA	NA
		50	4/9/2008(2)		**10**	**3.9**	<1.0	<1.0	**2.0**	<5.0	<1.0	**10**	NA	NA	NA	NA
		50	11/5/2008		**19**	**6.2**	<1.0	<1.0	**3.4**	<5.0	<1.0	**24**	NA	NA	NA	NA
		50	11/5/2008(2)		**18**	**5.8**	<1.0	<1.0	**3.5**	<5.0	<1.0	**25**	NA	NA	NA	NA
	60	60	1/21/2008		NA	NA	NA	NA	NA	NA	NA	NA	**140**	**0.97**	<0.10	NA
		60	9/26/2011	X	**24**	**4.8**	<1.0	<1.0	**2.6**	<4.0	<1.0	**12**	NA	NA	NA	NA
	70	70	1/21/2008		**7.8**	**2.4**	<1.0	<1.0	**1.2**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		70	4/9/2008		**7.6**	**2.5**	<1.0	<1.0	**1.5**	<5.0	<1.0	**8.6**	NA	NA	NA	NA
		70	11/5/2008		**8.4**	**2.9**	<1.0	<1.0	**1.5**	<5.0	<1.0	**14**	NA	NA	NA	NA
		80	9/26/2011	X	**20**	**4.1**	<1.0	<1.0	**1.9**	<4.0	<1.0	**9.4**	NA	NA	NA	NA
BP-24C	105	105	1/21/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		105	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		105	11/5/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	115	115	1/21/2008		NA	NA	NA	NA	NA	NA	NA	NA	**110**	**0.95**	<0.10	NA
		115	9/22/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	125	125	1/21/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		125	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		125	11/5/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	135	135	9/22/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
BP-25	5	5	6/2/2008		1.7	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008		**4.5**	<1.0	<1.0	<1.0	**1.8**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/26/2011	**X**	**10**	**2.1**	<1.0	<1.0	**1.7**	<4.0	<1.0	**5.3**	NA	NA	NA	NA
	30	30	6/2/2008		**16**	**2.4**	<1.0	<1.0	**2.4**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		30	6/2/2008[2]		**14**	**2.1**	<1.0	<1.0	**2.0**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		30	11/4/2008		**23**	**3.4**	<1.0	<1.0	**2.6**	<5.0	<1.0	**16**	NA	NA	NA	NA
		30	11/4/2008[2]		**23**	**3.4**	<1.0	<1.0	**2.8**	<5.0	<1.0	**17**	NA	NA	NA	NA
		30	9/26/2011	**X**	**17**	**3.0**	<1.0	<1.0	**1.9**	<4.0	<1.0	**10**	NA	NA	NA	NA
	55	55	6/2/2008		**12**	**1.8**	<1.0	<1.0	**1.8**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		55	11/4/2008		**34**	**1.8**	<1.0	<1.0	<1.0	<5.0	<1.0	**9.0**	NA	NA	NA	NA
		55	9/26/2011	**X**	**13**	**2.2**	<1.0	<1.0	<1.0	<4.0	<1.0	**8.4**	NA	NA	NA	NA
C-022A	5	5	11/6/2001		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/13/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	NA	NA	NA	NA
		5	5/8/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**110**	NA	NA	NA
		5	8/7/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	**110**	NA	NA	NA
		5	3/19/2003		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.79**	**100**	NA	NA	NA
		5	7/30/2001[1]		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
	22-25	25	12/3/2003		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**0.61**	<0.020	NA
		25	5/13/2004		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		25	11/19/2004		**1.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	5/18/2005		**2.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.7**	NA	NA	NA	NA
		25	11/17/2005		**3.8**	**0.51**	<0.50	<0.50	<0.50	<3.0	<0.50	**6.2**	NA	NA	NA	NA
		25	4/6/2006		**2.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.5**	NA	NA	NA	NA
		25	11/15/2006		**4.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.5**	NA	NA	NA	NA
		25	11/15/2006[2]		**4.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**6.3**	NA	NA	NA	NA
		25	4/26/2007		**5.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.8**	NA	NA	NA	NA
		25	11/15/2007		**8.9**	1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**14**	NA	NA	NA	NA
		22	4/9/2008		**7.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.7**	NA	NA	NA	NA
		25	11/5/2008		**9.4**	**1.2**	<1.0	<1.0	<1.0	<5.0	<1.0	**8.8**	NA	NA	NA	NA
		25	9/26/2011	**X**	**18**	**2.0**	<1.0	<1.0	<1.0	<4.0	<1.0	**6.3**	NA	NA	NA	NA
	50	50	5/12/2004		**0.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA

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SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
C-026A WCS	5	5	8/2/2001		**5.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.0**	NA	NA	NA	NA
		5	11/7/2001		**5.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	NA	NA	NA	NA
		5	2/13/2002		**5.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.2**	NA	NA	NA	NA
		5	5/8/2002		**3.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.0**	**130**	NA	NA	NA
		5	8/7/2002		**5.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.8**	**130**	NA	NA	NA
		5	11/26/2002		**5.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.8**	**130**	NA	NA	NA
		5	3/19/2003		**5.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.8**	**110**	NA	NA	NA
		5	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	10	10	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	20	20	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	25	25	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	30	30	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	40	40	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	49-50	50	8/2/2001		**5.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	NA	NA	NA	NA
		50	11/7/2001		**5.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	NA	NA	NA	NA
		50	11/7/2001		**5.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	NA	NA	NA	NA
		50	2/13/2002		**5.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.1**	NA	NA	NA	NA
		50	5/8/2002		**3.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	**130**	NA	NA	NA
		49	8/7/2002		**5.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**130**	NA	NA	NA
		50	11/26/2002		**5.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**140**	NA	NA	NA
		50	3/19/2003		**5.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.8**	**130**	NA	NA	NA
		50	12/2/2003		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**4.8**	<0.020	NA
		50	3/29/2004		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	**4.8**
		50	3/29/2004(2)		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	**4.8**
		50	8/24/2004		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/15/2005		0.8	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/3/2006(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/26/2007		**9.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.2**	NA	NA	NA	NA
		50	8/9/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	8/9/2007(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	7/28/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	60	60	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	70	70	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	80	80	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	90	90	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	95	95	11/7/2001		**5.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
C-026A WCS	100	100	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	110	110	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	120	120	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	130	130	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	140	140	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	150-153	150	8/2/2001		**4.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.8**	NA	NA	NA	NA
		151	2/13/2002		**5.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**2.2**	NA	NA	NA	NA
		152	5/8/2002		**3.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.9**	**130**	NA	NA	NA
		152	8/7/2002		**5.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.6**	**130**	NA	NA	NA
		153	11/26/2002		**5.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**130**	<1.0	NA	NA
		153	3/19/2003		**4.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**110**	<1.0	NA	NA
		150	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	160	160	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	170	170	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	180	180	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	190	190	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	196	196	10/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	202	202	5/21/2003		**1.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.5	**140**	**3.8**	NA	NA
C-026B WCS	WH	WH	12/2/2003		**3.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**0.94**	<0.020	**0.94**
		WH	3/29/2004		**3.1**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	5/12/2004		**3.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	8/24/2004		**3.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.2**	<0.020	**1.2**
		WH	11/17/2004		**4.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.0[5]**	NA	**1.0**
		WH	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**0.99**	<0.020	**0.99**
		WH	5/17/2005		**3.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.5**	NA	**1.2**	<0.020	**1.2**
		WH	9/20/2005[2]		**3.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.9**	NA	NA	NA	NA
		WH	9/20/2005		**3.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.9**	NA	**1.1**	<0.020	**1.1**
		WH	11/14/2005		**2.7**	<2.0	<5.0	<2.0	<2.0	<5.0	2	<5.0	NA	**1.2**	<0.020	**1.2**
		WH	1/26/2006		**1.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.1**	<0.020	**1.1**
		WH	1/26/2006[2]		**1.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.2**	<0.020	**1.2**
		WH	4/7/2006		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	**1.2**	<0.010	**1.2**
		WH	11/14/2006[8]		NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS	NS
		WH	4/26/2007		**3.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		WH	8/7/2007		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	8/16/2007[13]		**1.4**	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		WH	9/27/2007[14]		**7.1**	**0.62**	NA	NA	NA	NA	NA	3.7	NA	NA	NA	NA
		WH	9/27/2007[15]		**5.3**	<0.5	NA	NA	NA	NA	NA	2.2	NA	NA	NA	NA
		WH	11/14/2007		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	7/29/2008		**1.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	11/5/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	93	93	11/26/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**78**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
C-056A	5	5	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**90**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**90**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**90**	NA	NA	NA
	50	50	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**94**	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**90**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**92**	NA	NA	NA
		50	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		50	12/3/2003 [2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
	158-162	158	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		159	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		159	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		161	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**96**	NA	NA	NA
		161	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**94**	NA	NA	NA
		162	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**94**	NA	NA	NA
C-058A WCS	5	5	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
	50	50	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	139-143	139	8/2/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		140	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		142	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		143	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
	148	148	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
D-021A	1.3	1.3	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
	5	5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/14/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/14/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	NA	NA	NA	NA
		5	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	25	25	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**0.82**	<0.020	**0.82**
		25	5/13/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		25	11/19/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/16/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		25	9/22/2011[2]	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	11/14/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	105	105	11/14/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
	130	130	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		130	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	159	159	11/14/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
D-022A	5	5	8/1/2001[1]		**120**	**18**	<0.50	<0.50	**10**	<1.0	<0.50	**5.3**	NA	NA	NA	NA
		5	11/7/2001		**110**	**18**	<0.50	<0.50	**10**	<1.0	<0.50	**4.7**	NA	NA	NA	NA
		5	2/13/2002		**110**	**18**	<0.50	<0.50	**9.1**	<1.0	<0.50	**5.5**	NA	NA	NA	NA
		5	5/8/2002		**110**	**19**	<0.50	<0.50	**11**	<1.0	<0.50	**5.3**	**230**	NA	NA	NA
		5	8/8/2002		**120**	**20**	<0.50	<0.50	**9.8**	<1.0	**1.7**	**5.5**	**250**	NA	NA	NA
		5	3/20/2003		**110**	**20**	<0.50	<0.50	**12**	<1.0	<0.50	**5.8**	**220**	NA	NA	NA
		5	12/3/2003		**85**	**21**	<0.50	<0.50	**14**	<3.0	<0.50	**11**	NA	<0.50	<0.020	NA
		5	5/13/2004		**83**	**20**	<0.50	<0.50	**13**	<3.0	0.60	**10**	NA	<2.5	NA	NA
		5	11/19/2004		**79**	**20**	<0.50	<0.50	**15**	<3.0	0.62	**8**	NA	NA	NA	NA
		5	5/18/2005		**72**	**20**	<0.50	<0.50	**14**	<3.0	<0.50	**9.2**	NA	NA	NA	NA
		5	11/21/2005		**69**	**19**	<0.50	<0.50	**16**	<3.0	**0.66**	**9.1**	NA	NA	NA	NA
		5	1/26/2006		**51**	**15**	<1.0	<1.0	**13**	<5.0	<1.0	**4.6**	NA	NA	NA	NA
		5	4/7/2006		**48**	**15**	<1.0	<1.0	**12**	<5.0	<1.0	**8.8**	NA	NA	NA	NA
		5	11/17/2006		**72**	**20**	<1.0	<1.0	**15**	<5.0	<1.0	**7.6**	NA	NA	NA	NA
		5	4/30/2007		**70**	**18**	<1.0	<1.0	**13**	<5.0	<1.0	**6.8**	NA	NA	NA	NA
		5	4/30/2007[2]		**76**	**18**	<1.0	<1.0	**13**	<5.0	<1.0	**7.6**	NA	NA	NA	NA
		5	11/20/2007		**53**	**14**	<1.0	<1.0	**13**	<5.0	<1.0	**7.6**	NA	NA	NA	NA
		5	4/10/2008		**51**	**11**	<1.0	<1.0	**7.6**	<5.0	<1.0	**6.2**	NA	NA	NA	NA
		5	4/10/2008[2]		**49**	**11**	<1.0	<1.0	**8.4**	<5.0	<1.0	**7.2**	NA	NA	NA	NA
		5	11/5/2008		**45**	**11**	<1.0	<1.0	**8.0**	<5.0	<1.0	**5.1**	NA	NA	NA	NA
		5	11/5/2008[2]		**46**	**11**	<1.0	<1.0	**8.5**	<5.0	<1.0	**5.3**	NA	NA	NA	NA
		5	9/27/2011	**X**	**50**	**13**	<1.0	<1.0	**7.6**	<4.0	<1.0	<4.0	NA	NA	NA	NA
	25	25	11/21/2005		**71**	**19**	<0.50	<0.50	**16**	<3.0	**0.64**	**9.3**	NA	NA	NA	NA
		25	1/26/2006		**55**	**15**	<1.0	<1.0	**12**	<5.0	<1.0	**4.7**	NA	NA	NA	NA
	50	50	8/1/2001[1]		**110**	**19**	<0.50	<0.50	**11**	<1.0	<0.50	**5.4**	NA	NA	NA	NA
		50	11/7/2001		**110**	**19**	<0.50	<0.50	**10**	<1.0	<0.50	**4.8**	NA	NA	NA	NA
		50	2/13/2002		**110**	**19**	<0.50	<0.50	**11**	<1.0	<0.50	**5.9**	NA	NA	NA	NA
		50	5/8/2002		**110**	**19**	<0.50	<0.50	**11**	<1.0	<0.50	**5.2**	**230**	NA	NA	NA
		50	8/8/2002		**120**	**18**	<0.50	<0.50	**9**	<1.0	**1.5**	**5.3**	**250**	NA	NA	NA
		50	3/20/2003		**99**	**19**	<0.50	<0.50	**12**	<1.0	<0.50	**5.7**	**220**	NA	NA	NA
	100-104	104	8/1/2001[1]		**110**	**21**	<0.50	<0.50	**12**	<1.0	<0.50	**5.8**	NA	NA	NA	NA
		103	11/7/2001		**110**	**20**	<0.50	<0.50	**11**	<1.0	<0.50	**5.0**	NA	NA	NA	NA
		100	2/13/2002		**110**	**19**	<0.50	<0.50	**10**	<1.0	<0.50	**5.7**	NA	NA	NA	NA
		100	5/8/2002		**100**	**19**	<0.50	<0.50	**11**	<1.0	<0.50	**5.2**	**230**	NA	NA	NA
		100	8/8/2002		**110**	**20**	<0.50	<0.50	**12**	<1.0	**0.6**	**5.6**	**250**	NA	NA	NA
		100	3/20/2003		**97**	**20**	<0.50	<0.50	**11**	<1.0	<0.50	**5.4**	**230**	NA	NA	NA
		100	4/7/2006		**46**	**14**	<1.0	<1.0	**11**	<5.0	<1.0	**8.8**	NA	NA	NA	NA
		100	9/27/2011	**X**	**46**	**12**	<1.0	<1.0	**7.1**	<4.0	<1.0	<4.0	NA	NA	NA	NA
		100	9/27/2011[2]	**X**	**51**	**13**	<1.0	<1.0	**7.6**	<4.0	<1.0	<4.0	NA	NA	NA	NA
D-039A	5	5	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.0**	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.5	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.5	**150**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**160**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**160**	NA	NA	NA
	10	10	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**3.8**	<0.020	**3.8**
		10	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		10	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	11/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	4/23/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

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2001 THROUGH 2011
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	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
D-040A	5	5	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/7/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
	10	10	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**5.5**	<0.020	**5.5**
		10	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		10	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		10	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	4/23/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		10	11/12/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		10	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/7/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		50	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
	95-97	95	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		95	11/7/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		97	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		98	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		96	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		97	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
R-068A	5	5	2/14/2002		**290.0**	**68.0**	<0.50	**1.7**	**77.0**	**3.1**	**3.0**	**10.0**	NA	NA	NA	NA
		5	5/9/2002		**260.0**	**62.0**	<0.50	**1.8**	**81.0**	**1.9**	**2.8**	**8.3**	**490**	NA	NA	NA
		5	8/8/2002		**230.0**	**53.0**	<0.50	**1.4**	**70.0**	<1.0	**2.6**	**8.2**	**440**	NA	NA	NA
		5	3/20/2003		**220.0**	**49.0**	<0.50	**0.81**	**76.0**	<1.0	**2.1**	**6.9**	**460**	NA	NA	NA
		5	12/3/2003		**160.0**	**46.0**	<0.50	**0.83**	**70.0**	<3.0	**2**	**13**	NA	**1.1**	<0.020	NA
		5	5/13/2004		**150.0**	**39.0**	<0.50	**0.66**	**57**	<3.0	**1.7**	**11**	NA	<2.5	NA	NA
		5	11/19/2004		**120.0**	**33.0**	<0.50	<0.50	**48**	<3.0	**1.4**	**7.1**	NA	NA	NA	NA
		5	5/18/2005		**110.0**	**32**	<0.50	**0.52**	**42**	<3.0	**1.3**	**8.7**	NA	NA	NA	NA
		5	11/21/2005		**45.0**	**18**	<0.50	**0.59**	**75**	<3.0	**1.2**	**4.2**	NA	NA	NA	NA
		5	4/6/2006		**73.0**	**21.0**	<1.0	<1.0	**28.0**	<5.0	<1.0	**7.0**	NA	NA	NA	NA
		5	11/17/2006		**92.0**	**22.0**	<1.0	<1.0	**28.0**	<5.0	**1.1**	**6.1**	NA	NA	NA	NA
		5	4/30/2007		**100**	**23**	<1.0	<1.0	**28**	<5.0	**1.1**	**6.6**	NA	NA	NA	NA
		5	11/20/2007		**99**	**22**	<1.0	<1.0	**29**	<5.0	<1.0	**8.9**	NA	NA	NA	NA
		5	4/10/2008		**110**	**22**	<1.0	<1.0	**23**	<5.0	<1.0	**5.8**	NA	NA	NA	NA
		5	11/6/2008		**86**	**18**	<1.0	<1.0	**22**	<5.0	<1.0	**7.4**	NA	NA	NA	NA
		5	9/27/2011	**X**	**36**	**7.4**	<1.0	<1.0	**7.2**	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
R-069B	5	5	2/14/2002		**58.0**	**18.0**	**3.1**	**1.5**	**5.3**	**5.8**	**0.8**	**37.0**	NA	NA	NA	NA
		5	5/9/2002		**53.0**	**18.0**	**3.1**	**1.7**	**5.6**	**6.0**	**0.8**	**30.0**	**490**	NA	NA	NA
		5	8/8/2002		**53.0**	**18.0**	**3.3**	**2.2**	**5.8**	**7.1**	**0.9**	**29.0**	**280**	NA	NA	NA
		5	3/20/2003		**36.0**	**12.0**	**1.0**	**0.9**	**4.1**	**2.9**	<0.50	**21.0**	**410**	NA	NA	NA
		5	12/3/2003		**31.0**	**11.0**	<0.50	<0.50	**4.5**	<3.0	<0.50	**25.0**	NA	**1.6**	<0.020	NA
		5	5/13/2004		**19.0**	**6.3**	<0.50	<0.50	**2.9**	<3.0	<0.50	**25**	NA	<2.5	NA	NA
		5	11/19/2004		**15.0**	**5.4**	<0.50	<0.50	**2.8**	<3.0	<0.50	**10**	NA	NA	NA	NA
		5	5/18/2005		**7.4**	**2.2**	<0.50	<0.50	**0.94**	<3.0	<0.50	**5.9**	NA	NA	NA	NA
		5	11/21/2005		**16.0**	**6.4**	<0.50	<0.50	**4.2**	<3.0	<0.50	**8.7**	NA	NA	NA	NA
		5	4/6/2006		**6.2**	**3.2**	<1.0	<1.0	**2.0**	<5.0	<1.0	**3.8**	NA	NA	NA	NA
		5	11/16/2006		**10.0**	**3.7**	<1.0	<1.0	**2.8**	<5.0	<1.0	**3.2**	NA	NA	NA	NA
		5	4/27/2007		**9.3**	**3.3**	<1.0	<1.0	**3.0**	<5.0	<1.0	**<1.0**	NA	NA	NA	NA
		5	11/16/2007		**5.7**	**2.2**	<1.0	<1.0	**2.3**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/10/2008		**7.4**	**2.8**	<1.0	<1.0	**3.0**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/6/2008		**1.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/23/2011	**X**	**1.8**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
R-090A WCS	53	53	11/25/2002		<0.50	**0.85**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
R-091A WCS	60	60	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
R-092A WCS	WH	WH	12/3/2003		**4.9**	**0.58**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.7**	**0.11**	NA
		WH	3/29/2004		**3.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	5/13/2004		**3.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	8/24/2004		**3.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	11/16/2004		**3.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	2/18/2005		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		WH	5/17/2005		**2.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	5/17/2005		**2.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	9/20/2005		**2.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	11/14/2005		**2.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		WH	1/26/2006		**2.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		WH	4/7/2006		**1.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		WH	11/14/2006 [8]		NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA
		WH	4/27/2007		**3.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		WH	8/7/2007		**1.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	11/14/2007		**1.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	4/8/2008		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	7/29/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	11/5/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		WH	9/28/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	5	5	11/26/2002		**4.9**	**0.53**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	3/20/2003		**1.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
	50	50	11/26/2002		**5.1**	**0.57**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	3/20/2003		**4.0**	**0.52**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	12/3/2003		**9.9**	**0.93**	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	NA	NA	NA	NA
		50	3/30/2004		**5.1**	**0.59**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
	115	115	5/21/2003 [3]		**15.0**	**1.3**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	**140**	NA	NA	NA
	142-147	142	11/26/2002		**6.3**	**0.72**	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**140**	NA	NA	NA
		147	3/20/2003		**3.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA

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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
SE-001 WCS	5	5	7/26/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		5	8/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**170**	NA	NA	NA
		5	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
	26-28	26	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**3.6**	<0.020	**3.6**
		27	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		27	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		28	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		28	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		27	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		27	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		27	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		27	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		27	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		27	4/3/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		27	11/13/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		27	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		27	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		27	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		27	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		27	9/19/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
SJ-001 WCS	5	5	7/26/2001		**11.0**	**1.1**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		5	11/8/2001		**11.0**	**1.2**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		5	2/13/2002		**10.0**	**1.3**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.6**	NA	NA	NA	NA
		5	5/8/2002		**10.0**	**1.1**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.3**	**170**	NA	NA	NA
		5	8/8/2002		**11.0**	**1.1**	<0.50	<0.50	<0.50	**1.4**	<0.50	**1.4**	**170**	NA	NA	NA
		5	11/25/2002		**9.0**	**0.97**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	**170**	NA	NA	NA
		5	3/19/2003		**7.6**	**0.85**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	**170**	NA	NA	NA
		5	9/21/2005		**4.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.1**	NA	NA	NA	NA
		5	11/18/2005		**4.0**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**1.7**	NA	NA	NA	NA
		5	11/18/2005 (2)		**3.9**	<0.50	<0.50	<0.50	<0.50	<2.0	<0.50	**1.8**	NA	NA	NA	NA
		5	1/25/2006		**3.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.1**	NA	NA	NA	NA
		5	4/5/2006		**2.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.5**	NA	NA	NA	NA
		5	9/27/2006		**2.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.3**	NA	NA	NA	NA
		5	11/16/2006		**3.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/26/2007		**4.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.6**	NA	NA	NA	NA
		5	8/8/2007		**3.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/16/2007		**4.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/10/2008		**3.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/5/2008		**5.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/23/2011	X	**6.4**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	22-23	23	12/2/2003		**6.9**	**0.75**	<0.50	<0.50	<0.50	<3.0	<0.50	**2.7**	NA	**2.4**	<0.020	**2.4**
		22	3/30/2004		**5.0**	**0.63**	<0.50	<0.50	<0.50	<3.0	<0.50	**2.4**	NA	<2.5	NA	NA
		22	5/12/2004		**5.5**	**0.66**	<0.50	<0.50	<0.50	<3.0	<0.50	**2.7**	NA	<2.5	NA	NA
		22	8/25/2004		**5.1**	**0.65**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		22	11/18/2004		**5.8**	**0.68**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		22	2/17/2005		**4.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		22	5/18/2005		**4.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.3**	NA	NA	NA	NA
		22	5/18/2005		**4.5**	**0.53**	<0.50	<0.50	<0.50	<3.0	<0.50	**2.2**	NA	NA	NA	NA
		22	9/21/2005		**5.5**	**0.61**	<0.50	<0.50	<0.50	<3.0	<0.50	**3.5**	NA	NA	NA	NA
		22	11/18/2005		**4.8**	**0.51**	<0.50	<0.50	<0.50	<2.0	<0.50	**1.9**	NA	NA	NA	NA
		22	1/25/2006		**3.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.1**	NA	NA	NA	NA
		22	4/5/2006		**3.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.4**	NA	NA	NA	NA
		22	11/16/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		22	4/26/2007		**4.8**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**3.9**	NA	NA	NA	NA
		22	8/8/2007		**4.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		22	11/16/2007		**4.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.7**	NA	NA	NA	NA
		22	11/16/2007(2)		**4.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**5.4**	NA	NA	NA	NA
		22	4/10/2008		**4.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		22	11/5/2008		**7.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		22	9/23/2011	X	**6.7**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	Grab		12/17/2009(7)		**7.5**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**2.6**	NA	NA	NA	NA
			2/18/2010(7)		**7.3**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	NA	NA	NA	NA
			5/20/2010(7)		**7.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.4**	NA	NA	NA	NA
			8/18/2010(7)		**1.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			11/16/2010(7)		**7.2**	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**1.8**	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
SJ-002 WCS	5	5	7/26/2001		**5.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		**3.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/13/2002		**3.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/8/2002		**3.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	8/8/2002		**3.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		5	11/25/2002		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	3/19/2003		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	9/21/2005		**7.2**	**1.2**	<0.50	<0.50	**0.58**	<3.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/18/2005		**6.7**	**1.4**	<0.50	<0.50	**0.50**	<2.0	<0.50	<1.0	NA	NA	NA	NA
		5	1/25/2006		**4.8**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	1/25/2006[2]		**3.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006		**6.5**	**1.5**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006[2]		**6.2**	**1.5**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	9/27/2006		**6.8**	**2.0**	<1.0	<1.0	**1.1**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/16/2006		**13**	**2.7**	<1.0	<1.0	**1.2**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	2/5/2007		**16**	**2.8**	<1.0	<1.0	**1.7**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	2/5/2007 [2]		**16**	**3.0**	<1.0	<1.0	**1.5**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/27/2007		**18**	**3.7**	<1.0	<1.0	**1.7**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	8/9/2007		**15**	**3.2**	<1.0	<1.0	**1.3**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/20/2007		**13**	**2.7**	<1.0	<1.0	**1.3**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/10/2008		**10**	**2.2**	<1.0	<1.0	**1.2**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	7/29/2008		**9.0**	**2.0**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/5/2008		**11**	**2.2**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/26/2011	**X**	**2.1**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	22-23	23	12/2/2003		**3.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**6.1**	<0.020	**6.1**
		23	12/2/2003 [2]		**3.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		22	3/30/2004		**3.3**	**0.55**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**6.1**	<0.020	**6.1**
		23	5/12/2004		**3.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		23	8/25/2004		**3.1**	**0.53**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		23	8/25/2004 [2]		**3.1**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		23	11/18/2004		**4.7**	**0.68**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		23	2/17/2005		**1.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.3**	NA	NA	NA	NA
		23	5/18/2005		**4.7**	**0.73**	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		23	9/21/2005		**5.7**	**1.1**	<0.50	<0.50	**0.55**	<3.0	<0.50	<2.0	NA	NA	NA	NA
		23	11/18/2005		**5.8**	**1.2**	<0.50	<0.50	<0.50	<2.0	<0.50	<1.0	NA	NA	NA	NA
		23	1/25/2006		**3.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		23	4/5/2006		**5.2**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		23	11/16/2006		**12.0**	**2.5**	<1.0	<1.0	**1.2**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		23	2/5/2007		**14.0**	**2.4**	<1.0	<1.0	**1.5**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		23	4/27/2007		**16.0**	**3.2**	<1.0	<1.0	**1.9**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		23	8/9/2007		**15**	**3.1**	<1.0	<1.0	**1.3**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		23	11/20/2007		**9.8**	**2.0**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		23	4/10/2008		**10**	**2.2**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		23	7/29/2008		**6.2**	**1.5**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		23	11/5/2008		**11**	**2.6**	<1.0	<1.0	**1.0**	<5.0	<1.0	<5.0	NA	NA	NA	NA
		23	9/26/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		23	9/26/2011[2]	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	Grab		12/17/2009[7]		**4.3**	**0.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			2/18/2010[7]		**3.0**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			5/20/2010[7]		**2.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			8/18/2010[7]		**3.4**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			11/16/2010[7]		**3.2**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-177A	5	5	7/31/2001 (1)		**1.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	NA	NA	NA	NA
		5	11/7/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.9**	NA	NA	NA	NA
		5	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		5	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**0.52**	<0.020	**0.52**
		5	12/2/2003 (2)		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		5	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	3/14/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/22/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	9/20/2005		**3.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**7.3**	NA	NA	NA	NA
		5	11/17/2005		**3.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**6.0**	NA	NA	NA	NA
		5	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	9/21/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	25	25	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	3/14/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/22/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		25	9/20/2005		**4.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**9.4**	NA	NA	NA	NA
		25	11/17/2005		**2.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**6.2**	NA	NA	NA	NA
		25	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		25	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	4/10/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	11/6/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		25	9/21/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	7/31/2001(1)		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.9**	NA	NA	NA	NA
		50	11/7/2001		**0.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		50	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		50	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	11/17/2005		**2.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**6.2**	NA	NA	NA	NA
		50	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	1/25/2006(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/10/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/6/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/21/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-177A	75	75	4/10/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
	100	100	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		100	9/21/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	111-112	112	7/31/2001[1]		**1.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		111	11/7/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		111	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		112	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		112	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		112	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
WR-178A WCS	5	5	8/1/2001[1]		**9.1**	**0.7**	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		5	11/7/2001		**4.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		5	2/13/2002		**4.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		5	5/8/2002		**2.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**130**	NA	NA	NA
		5	8/7/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		5	11/26/2002		**3.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.72**	**140**	NA	NA	NA
		5	3/19/2003		**3.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.84**	**120**	NA	NA	NA
		5	11/15/2005 [2]		**0.9**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/15/2005		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	1/24/2006		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/20/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	8/1/2001[1]		**7.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	NA	NA	NA	NA
		50	11/7/2001		**2.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/13/2002		**2.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		50	5/8/2002		**1.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		50	11/26/2002		**1.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		50	3/19/2003		**2.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.69**	**130**	NA	NA	NA
		50	12/2/2003		**1.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		50	3/30/2004		**1.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/13/2004		**1.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	8/25/2004		**1.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	8/25/2004 [2]		**1.3**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/18/2004		**1.5**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/18/2005		**1.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/20/2005[2]		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/20/2005		**0.8**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/15/2005		**0.7**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		50	9/20/2011[2]	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-178A WCS	106-112	109	8/1/2001[1]		**4.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		109	11/7/2001		**1.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		110	2/13/2002		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		110	5/8/2002		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		100	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		110	11/26/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		112	3/19/2003		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	**120**	NA	NA	NA
		106	5/20/2003		**3.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	**160**	NA	NA	NA
WR-179A WCS	5	5	7/31/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	7/31/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/7/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		5	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		5	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		5	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**3.4**	<0.020	**3.4**
		5	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		5	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	4/4/2006		<1.0	**12**	<1.0	<1.0	**1.1**	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	5/18/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	7/31/2001[1]		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		50	11/7/2001		**1.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	NA	NA	NA	NA
		50	2/13/2002		**0.5**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/8/2002		**0.7**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**130**	NA	NA	NA
		50	8/7/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	**150**	NA	NA	NA
		50	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
		50	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2006[2]		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/7/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	10/30/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	117-119	117	7/31/2001[1]		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		117	11/7/2001		**1.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	NA	NA	NA	NA
		118	2/13/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		119	5/8/2002		**0.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.6**	**120**	NA	NA	NA
		118	8/7/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.9**	**140**	NA	NA	NA
		119	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA

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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-180A WCS	5	5	7/30/2001[1]		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
	50	50	7/30/2001[1]		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	12/3/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		50	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		50	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/17/2004[2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	9/21/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		50	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		50	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
		50	9/22/2011[2]	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	120-122	121	7/30/2001[1]		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		120	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		121	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		121	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		121	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		122	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-181A	5	5	7/25/2001		**1.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.3**	NA	NA	NA	NA
		5	11/7/2001		**2.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.3**	NA	NA	NA	NA
		5	2/13/2002		**2.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		5	5/8/2002		**2.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	**96**	NA	NA	NA
		5	8/7/2002		**5.5**	**0.5**	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**120**	NA	NA	NA
		5	11/26/2002		**3.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	3/19/2003		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	100	NA	NA	NA
		5	12/1/2003		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		5	12/1/2003(2)		**0.6**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/13/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		5	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/16/2005		**4.5**	**0.98**	<0.50	<0.50	<0.50	<3.0	<0.50	**2.1**	NA	NA	NA	NA
		5	1/25/2006		**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	1/25/2006(2)		**1.0**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/15/2006		**4.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/26/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/26/2007(2)		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	7/25/2001		**1.3**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		50	11/7/2001		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.2**	NA	NA	NA	NA
		50	2/13/2002		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.4**	NA	NA	NA	NA
		50	5/8/2002		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	**94**	NA	NA	NA
		50	8/7/2002		**5.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**110**	NA	NA	NA
		50	11/26/2002		**3.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.79**	NA	NA	NA	NA
		50	3/19/2003		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**90**	NA	NA	NA
		50	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
	123-124	124	7/25/2001		**0.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.8**	NA	NA	NA	NA
		123	11/7/2001		**1.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.1**	NA	NA	NA	NA
		123	2/13/2002		**2.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.4**	NA	NA	NA	NA
		123	5/8/2002		**2.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.7**	**94**	NA	NA	NA
		123	8/7/2002		**4.8**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**120**	NA	NA	NA
		123	11/26/2002		**3.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.87**	NA	NA	NA	NA
		123	3/19/2003		**2.1**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**88**	NA	NA	NA
		124	1/25/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
WR-186A	5	5	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		5	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
		5	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
	50	50	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		50	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**160**	NA	NA	NA
	91-92	92	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		91	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		92	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		91	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		92	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
	100	100	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-207A	5	5	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		50	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		50	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**150**	NA	NA	NA
		50	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**140**	NA	NA	NA
	101-102	102	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		101	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		101	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		102	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		101	8/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.5**	**130**	NA	NA	NA
WR-207B	5	5	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**0.59**	**140**	NA	NA	NA
		5	1/24/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		5	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.3**	NA	NA	NA	NA
		5	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
	106	106	3/19/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**140**	NA	NA	NA
WR-273A	5	5	7/25/2001		**71.0**	**14.0**	**5.0**	**0.7**	**2.4**	**1.2**	**1.0**	**22.0**	NA	NA	NA	NA
		5	2/13/2002		**96.0**	**19.0**	**7.4**	**1.2**	**4.4**	**2.5**	**1.2**	**26.0**	NA	NA	NA	NA
		5	5/8/2002		**90.0**	**14.0**	**8.1**	**1.8**	**12.0**	**5.1**	**1.0**	**32.0**	**380**	NA	NA	NA
		5	8/8/2002		**130.0**	**24.0**	**6.8**	**1.3**	**4.1**	**2.4**	**1.3**	**21.0**	**270**	NA	NA	NA
		5	3/19/2003		**130.0**	**28.0**	**5.8**	**1.3**	**4.1**	**1.7**	**1.4**	**21.0**	**270**	NA	NA	NA
		5	12/3/2003		**94.0**	**19.0**	**12**	**1.9**	**11**	**5.1**	**1.3**	**50.0**	NA	**2.2**	<0.020	NA
		5	5/13/2004		**100.0**	**27**	**6.6**	**1.6**	**4.8**	<3.0	**1.2**	**32**	NA	<2.5	NA	NA
		5	11/19/2004		**91.0**	**18**	**9.8**	**2.4**	**14**	**6.4**	**1.1**	**38**	NA	NA	NA	NA
		5	11/19/2004[2]		**87.0**	**17**	**9.7**	**2.3**	**13**	**6.3**	**0.98**	**36**	NA	NA	NA	NA
		5	5/18/2005		**89.0**	**19**	**7.4**	**2.1**	**9.1**	**4.3**	**0.83**	**34**	NA	NA	NA	NA
		5	11/21/2005		**64.0**	**15**	**6.2**	**3.1**	**13**	**5.4**	**0.84**	**50**	NA	NA	NA	NA
		5	4/7/2006		**60.0**	**16.0**	**2.6**	**1.2**	**5.7**	<5.0	<1.0	**24.0**	NA	NA	NA	NA
		5	4/7/2006[2]		**48.0**	**15.0**	**2.4**	**1.2**	**5.9**	<5.0	<1.0	**25.0**	NA	NA	NA	NA
		5	11/17/2006		**60.0**	**13.0**	<1.0	<1.0	**6.7**	<5.0	<1.0	**25.0**	NA	NA	NA	NA
		5	4/30/2007		**79**	**20**	**1.2**	<1.0	**6.4**	<5.0	<1.0	**22**	NA	NA	NA	NA
		5	11/20/2007[12]		**39**	**12**	<1.0	<1.0	**5.8**	<5.0	<1.0	**34**	NA	NA	NA	NA
		5	4/9/2008		**55**	**18**	<1.0	<1.0	**6.4**	<5.0	<1.0	**46**	NA	NA	NA	NA
		5	11/4/2008		**44**	**15**	<1.0	<1.0	**5.6**	<5.0	<1.0	**39**	NA	NA	NA	NA
		5	9/26/2011	**X**	**8.7**	**2.8**	<1.0	<1.0	**2.3**	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-274A	5	5	7/25/2001		**57.0**	**9.9**	<0.50	<0.50	**2.1**	<1.0	<0.50	**7.3**	NA	NA	NA	NA
		5	11/7/2001		**59.0**	**11.0**	<0.50	<0.50	**2.2**	<1.0	<0.50	**4.8**	NA	NA	NA	NA
		5	2/14/2002		**53.0**	**10.0**	<0.50	<0.50	**2.1**	<1.0	<0.50	**7.6**	NA	NA	NA	NA
		5	5/9/2002		**45.0**	**9.5**	<0.50	<0.50	**2.1**	<1.0	<0.50	**5.1**	NA	NA	NA	NA
		5	8/8/2002		**44.0**	**10.0**	<0.50	<0.50	**2.6**	<1.0	<0.50	**4.9**	**290**	NA	NA	NA
		5	3/20/2003		**23.0**	**5.3**	<0.50	<0.50	**1.7**	<1.0	<0.50	**1.7**	**260**	NA	NA	NA
		5	12/3/2003		**48.0**	**9.4**	<0.50	<0.50	**2.6**	<3.0	<0.50	**9.8**	NA	**1.6**	<0.020	NA
		5	5/13/2004		**51.0**	**10**	<0.50	<0.50	**2.8**	<3.0	<0.50	**10**	NA	<2.5	NA	NA
		5	11/19/2004		**47.0**	**10**	<0.50	<0.50	**3.2**	<3.0	<0.50	**4.5**	NA	NA	NA	NA
		5	5/18/2005		**58.0**	**14**	<0.50	<0.50	**3.6**	<3.0	<0.50	**9.4**	NA	NA	NA	NA
		5	1/26/2006		**75.0**	**17.0**	<1.0	<1.0	**6.8**	<5.0	<1.0	**4.9**	NA	NA	NA	NA
		5	4/7/2006		**57.0**	**17.0**	<1.0	<1.0	**7.0**	<5.0	<1.0	**10.0**	NA	NA	NA	NA
		5	11/17/2006		**110.0**	**25.0**	<1.0	<1.0	**12.0**	<5.0	<1.0	**8.4**	NA	NA	NA	NA
		5	11/17/2006(2)		**110.0**	**25.0**	<1.0	<1.0	**12.0**	<5.0	<1.0	**8.4**	NA	NA	NA	NA
		5	4/30/2007		**140**	**32**	<1.0	<1.0	**17**	<5.0	<1.0	**12**	NA	NA	NA	NA
		5	11/20/2007		**130**	**30**	<1.0	<1.0	**19**	<5.0	<1.0	**11**	NA	NA	NA	NA
		5	11/20/2007(2)		**140**	**31**	<1.0	<1.0	**19**	<5.0	<1.0	**17**	NA	NA	NA	NA
		5	4/10/2008		**140**	**32**	<1.0	<1.0	**16**	<5.0	<1.0	**8.6**	NA	NA	NA	NA
		5	11/6/2008		**120**	**30**	<1.0	<1.0	**17**	<5.0	<1.0	**11**	NA	NA	NA	NA
		5	9/27/2011	**X**	**190**	**50**	<1.0	**1.5**	**36**	<4.0	**1.3**	**11**	NA	NA	NA	NA
WR-275A	5	5	7/25/2001		**79.0**	**16.0**	<0.50	<0.50	**7.8**	<1.0	<0.50	**4.3**	NA	NA	NA	NA
		5	11/8/2001		**59.0**	**12.0**	<0.50	<0.50	**6.0**	<1.0	<0.50	**4.8**	NA	NA	NA	NA
		5	2/14/2002		**50.0**	**8.3**	<0.50	<0.50	**4.2**	<1.0	<0.50	**7.1**	NA	NA	NA	NA
		5	5/9/2002		**46.0**	**8.2**	<0.50	<0.50	**4.3**	<1.0	<0.50	**5.7**	**240**	NA	NA	NA
		5	8/8/2002		**49.0**	**8.7**	<0.50	<0.50	**4.3**	<1.0	<0.50	**5.2**	**230**	NA	NA	NA
		5	3/20/2003		**38.0**	**7.9**	<0.50	<0.50	**3.9**	<1.0	<0.50	**5.6**	**230**	NA	NA	NA
		5	12/3/2003		**41.0**	**9.0**	<0.50	**0.5**	**4.2**	<3.0	<0.50	**10**	NA	**0.58**	<0.020	NA
		5	5/13/2004		**34.0**	**8.2**	<0.50	**0.51**	**3.7**	<3.0	<0.50	**13**	NA	NA	NA	NA
		5	11/19/2004		**38.0**	**8.7**	<0.50	**0.58**	**3.4**	<3.0	**0.50**	**8.8**	NA	NA	NA	NA
		5	5/18/2005		**39.0**	**8.5**	<0.50	**0.58**	**2.4**	<3.0	**0.55**	**11**	NA	NA	NA	NA
		5	11/21/2005		**30.0**	**7.1**	<0.50	**0.53**	**2.3**	<3.0	<0.50	**10**	NA	NA	NA	NA
		5	4/6/2006		**18.0**	**5.8**	<1.0	<1.0	**1.6**	<5.0	<1.0	**10.0**	NA	NA	NA	NA
		5	11/16/2006		**20.0**	**5.3**	<1.0	<1.0	**1.6**	<5.0	<1.0	**5.6**	NA	NA	NA	NA
		5	4/27/2007		**20**	**5.3**	<1.0	<1.0	**2.0**	<5.0	<1.0	**9.2**	NA	NA	NA	NA
		5	4/27/2007(2)		**20**	**5.6**	<1.0	<1.0	**1.9**	<5.0	<1.0	**9.4**	NA	NA	NA	NA
		5	11/16/2007		**16**	**4.3**	<1.0	<1.0	<1.0	<5.0	<1.0	**8.9**	NA	NA	NA	NA
		5	4/10/2008		**15**	**4.0**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.2**	NA	NA	NA	NA
		5	4/10/2008(2)		**15**	**4.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/6/2008		**8.9**	**2.9**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/27/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-352A WCS	5	5	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
	86-88	88	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<0.50	<0.020	<0.50
		87	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	5/11/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	5/11/2004[2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		89	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		86	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	2/16/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	5/18/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		87	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	4/25/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		87	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		87	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		87	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		87	9/20/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	114	114	5/20/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
	118-121	118	7/30/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		118	11/5/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		118	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		118	5/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		118	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
		121	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**110**	NA	NA	NA
		120	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**100**	NA	NA	NA
WR-353A	103	103	12/2/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**1.0**	<0.020	**1.0**
		103	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	<2.5	NA	NA
		103	11/18/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		103	5/17/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		103	11/16/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		103	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		103	11/15/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		103	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		103	11/14/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		103	4/9/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		103	11/4/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		103	9/21/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	130-131	131	7/25/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		131	2/12/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		131	5/8/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		130	8/7/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA
		131	3/18/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**130**	NA	NA	NA

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SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-354A WCS	5	5	7/26/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	11/6/2001		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	2/11/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
		5	5/6/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	8/5/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	11/25/2002		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
		5	3/17/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	**120**	NA	NA	NA
	29-31	30	12/1/2003		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	**6.2**	<0.020	**6.2**
		29	3/29/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		29	5/12/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		29	5/12/2004[2]		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		31	8/24/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		30	11/17/2004		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		31	2/17/2005		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.3**	NA	NA	NA	NA
		29	5/18/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		29	9/20/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		29	11/15/2005		<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		29	1/23/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	4/4/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	9/27/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	11/14/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	2/5/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	4/24/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	NA	NA	NA	NA
		29	8/8/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		29	11/13/2007		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		29	4/8/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		29	11/3/2008		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		29	9/20/2011	X	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
WR-358A	5	5	3/20/2003		**27.0**	**4.2**	**1.3**	<0.5	**2.4**	<1.0	<0.5	**19**	**180**	NA	NA	NA
	25	25	12/3/2003		**33.0**	**5.4**	**2.3**	<0.50	**3.3**	<3.0	<0.50	**37.0**	NA	**2.7**	<0.020	NA
		25	5/13/2004		**34.0**	**6.0**	**3.2**	**0.64**	**3.9**	<3.0	<0.50	**43**	NA	<2.5	NA	NA
		25	11/18/2004		**41.0**	**7.0**	**3.2**	**0.82**	**4.6**	<3.0	<0.50	**36**	NA	NA	NA	NA
		25	5/18/2005 [2]		**42.0**	**6.5**	**3.2**	**0.77**	**3.8**	<3.0	<0.50	**44**	NA	NA	NA	NA
		25	5/18/2005		**42.0**	**6.3**	**3.4**	**0.71**	**3.7**	<3.0	<0.50	**44**	NA	NA	NA	NA
		25	11/21/2005		**46.0**	**8.0**	**4**	**1.00**	**5.7**	<3.0	<0.50	**46**	NA	NA	NA	NA
		25	11/21/2005[2]		**45.0**	**7.8**	**3.8**	**0.98**	**5.6**	<3.0	<0.50	**48**	NA	NA	NA	NA
		25	1/26/2006		**40.0**	**6.8**	**3.7**	<1.0	**4.7**	<5.0	<1.0	**25.0**	NA	NA	NA	NA
		25	4/6/2006		**28.0**	**6.9**	**2.7**	<1.0	**4.7**	<5.0	<1.0	**41.0**	NA	NA	NA	NA
		25	11/16/2006		**55.0**	**11.0**	**4.6**	**1.3**	**7.7**	<5.0	<1.0	**51.0**	NA	NA	NA	NA
		25	4/30/2007		**65**	**12**	**4.7**	**1.6**	**10**	<5.0	<1.0	**59**	NA	NA	NA	NA
		25	11/20/2007		**67**	**12**	**6.7**	**1.8**	**11**	<5.0	<1.0	**65**	NA	NA	NA	NA
		25	11/20/2007[2]		**71**	**13**	**7.4**	**1.8**	**12**	<5.0	1.1	**90**	NA	NA	NA	NA
		25	4/10/2008		**71**	**13**	**4.3**	**1.5**	**9.4**	<5.0	<1.0	**53**	NA	NA	NA	NA
		25	11/6/2008		**73**	**14**	**5.6**	**1.9**	**12**	<5.0	<1.0	**76**	NA	NA	NA	NA
		25	9/23/2011	X	**60**	**11**	**2.6**	**1.7**	**9.7**	<4.0	<1.0	**24**	NA	NA	NA	NA
	50	50	2/14/2002		**17.0**	**2.7**	**0.7**	<0.50	**1.5**	<1.0	<0.50	**15.0**	NA	NA	NA	NA
		50	5/9/2002		**23.0**	**3.5**	**1.0**	<0.50	**2.1**	<1.0	<0.50	**16.0**	**190**	NA	NA	NA
		50	8/8/2002		**21.0**	**3.1**	**0.9**	<0.50	**1.9**	**1.7**	<0.50	**14.0**	**190**	NA	NA	NA

TABLE 5
SUMMARY OF GROUNDWATER QUALITY DATA, SELECTED VOCs AND NITRATE
2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-367A	5	5	8/2/2001[1]		**10.0**	**1.9**	<0.50	**1.4**	<0.50	<1.0	<0.50	**2.6**	NA	NA	NA	NA
		5	11/8/2001		**13.0**	**2.3**	<0.50	**1.6**	<0.50	<1.0	<0.50	**2.6**	NA	NA	NA	NA
		5	2/13/2002		**14.0**	**2.8**	<0.50	**1.9**	<0.50	**1.4**	<0.50	**3.3**	NA	NA	NA	NA
		5	5/8/2002		**20.0**	**3.4**	<0.50	**2.3**	<0.50	**1.2**	<0.50	**2.6**	**440**	NA	NA	NA
		5	8/8/2002		**22.0**	**3.6**	<0.50	**2.0**	<0.50	**1.2**	<0.50	**2.8**	**420**	NA	NA	NA
		5	3/20/2003		**25.0**	**3.5**	<0.50	<0.5	<0.50	<1.0	<0.50	**3.2**	**380**	NA	NA	NA
		5	12/1/2003		**41.0**	**2.7**	<0.50	**0.57**	<0.50	<3.0	<0.50	**7.4**	NA	**3.2**	<0.020	**3.2**
		5	5/12/2004		**34.0**	**1.8**	<0.50	**0.56**	<0.50	<3.0	<0.50	**7.7**	NA	<2.5	NA	NA
		5	11/18/2004		**28.0**	**1.1**	<0.50	<0.50	<0.50	<3.0	<0.50	**5.6**	NA	NA	NA	NA
		5	5/18/2005		**20.0**	**0.66**	<0.50	<0.50	<0.50	<3.0	<0.50	**7.0**	NA	NA	NA	NA
		5	11/21/2005		**20.0**	**1.2**	<0.50	**0.53**	<0.50	<3.0	<0.50	**7.5**	NA	NA	NA	NA
		5	4/6/2006		**14.0**	**1.0**	<1.0	**0.53**	<1.0	<5.0	<1.0	**6.7**	NA	NA	NA	NA
		5	11/16/2006		**26.0**	**2.3**	<1.0	**1.2**	<1.0	<5.0	<1.0	**6.0**	NA	NA	NA	NA
		5	4/27/2007		**32**	**1.7**	<1.0	<1.0	<1.0	<5.0	<1.0	**7.2**	NA	NA	NA	NA
		5	11/20/2007		**20**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/10/2008		**15**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/4/2008		**27**	**1.8**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.2**	NA	NA	NA	NA
		5	9/26/2011	**X**	**8.8**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	46	8/2/2001[1]		**11.0**	**2.0**	<0.50	**1.5**	<0.50	<1.0	<0.50	**2.5**	NA	NA	NA	NA
		50	11/21/2005		**20.0**	**1.2**	<0.50	**0.54**	<0.50	<3.0	<0.50	**6.6**	NA	NA	NA	NA
		50	4/6/2006		**14.0**	**1.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**6.5**	NA	NA	NA	NA
		50	11/16/2006		**27.0**	**2.2**	<1.0	**1.1**	<1.0	<5.0	<1.0	**6.3**	NA	NA	NA	NA
		50	4/27/2007		**32**	**2.1**	<1.0	<1.0	<1.0	<5.0	<1.0	**7.5**	NA	NA	NA	NA
		50	11/20/2007[10]		**20**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	4/10/2008		**7.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/4/2008		**27**	**2.8**	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		50	11/4/2008[2]		**28**	**3.2**	<1.0	<1.0	<1.0	<5.0	<1.0	**5.5**	NA	NA	NA	NA
		50	9/26/2011	**X**	**1.9**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
WR-435A	5	5	11/7/2001		**2.2**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	NA	NA	NA	NA
		5	2/13/2002		**0.9**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.0**	NA	NA	NA	NA
		5	5/7/2002		**2.0**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.5**	**210**	NA	NA	NA
		5	8/8/2002		**3.6**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.9**	**210**	NA	NA	NA
		5	3/18/2003		**2.4**	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**1.7**	**220**	NA	NA	NA
		5	12/1/2003		**2.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.3**	NA	**2.9**	<0.020	**2.9**
		5	5/13/2004		**2.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.7**	NA	<2.5	NA	NA
		5	11/18/2004		**2.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.3**	NA	NA	NA	NA
		5	11/18/2004[2]		**2.2**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**2.4**	NA	NA	NA	NA
		5	5/17/2005		**1.4**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	NA	NA	NA	NA
		5	11/17/2005		**2.0**	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	**3.0**	NA	NA	NA	NA
		5	4/5/2006		<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**1.5**	NA	NA	NA	NA
		5	11/13/2006		**1.5**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.5**	NA	NA	NA	NA
		5	4/25/2007		**1.6**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.4**	NA	NA	NA	NA
		5	4/25/2007[2]		**1.7**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	**2.3**	NA	NA	NA	NA
		5	11/12/2007		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	11/12/2007[2]		**1.1**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/7/2008		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	4/7/2008[2]		**1.4**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008		**1.9**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	10/30/2008[2]		**2.3**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<5.0	NA	NA	NA	NA
		5	9/23/2011	**X**	**1.3**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	38	38	11/7/2001		**0.8**	**0.5**	<0.50	**0.5**	<0.50	<1.0	<0.50	**0.9**	NA	NA	NA	NA

TABLE 5
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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) [6]	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**
WR-702A	25	25	9/22/2011	**X**	**6.8**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	9/22/2011	**X**	**8.3**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	**4.0**	NA	NA	NA	NA
	Grab		1/21/2009[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			1/21/2009[2][7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			2/10/2009[7]		**8.2**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	**1.7**	NA	NA	NA	NA
			5/20/2009[7]		**7.9**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.4**	NA	NA	NA	NA
			8/19/2009[7]		**10.1**	**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.3**	NA	NA	NA	NA
			8/19/2009[2][7]		**9.6**	**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.0**	NA	NA	NA	NA
			11/23/2009[7]		**9.2**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.6**	NA	NA	NA	NA
			2/18/2010[7]		**9.0**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.6**	NA	NA	NA	NA
			5/20/2010[7]		**7.2**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.5**	NA	NA	NA	NA
			8/18/2010[7]		**6.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.4**	NA	NA	NA	NA
			11/16/2010[7]		**7.4**	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**3.5**	NA	NA	NA	NA
WR-703A	25	25	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	50	50	9/22/2011	**X**	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	Grab		2/10/2009[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			5/20/2009[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			8/19/2009[7]		**1.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			8/19/2009[2][7]		**1.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			11/23/2009[7]		**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			2/18/2010[7]		**0.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			5/20/2010[7]		**1.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			8/18/2010[7]		**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			11/16/2010[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
WR-704A	25	25	9/22/2011	**X**	**12**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	**5.8**	NA	NA	NA	NA
	35	35	9/22/2011	**X**	**10**	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<4.0	NA	NA	NA	NA
	Grab		2/10/2009[7]		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
			5/20/2009[7]		**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	NA	NA	NA	NA
			8/19/2009[7]		**2.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	NA	NA	NA	NA
			8/19/2009[2][7]		**2.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	NA	NA	NA	NA
			11/23/2009[7]		**3.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.7**	NA	NA	NA	NA
			2/18/2010[7]		**5.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.3**	NA	NA	NA	NA
			5/20/2010[7]		**6.4**	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.0**	NA	NA	NA	NA
			8/18/2010[7]		**7.4**	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.1**	NA	NA	NA	NA
			11/16/2010[7]		**8.5**	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	**4.3**	NA	NA	NA	NA

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2001 THROUGH 2011
BROADWAY PANTANO WQARF SITE

Sample ID	Depth (FBW)		Sample Date	MRRP	Constituent Concentration (µg/L) U.S. Environmental Protection Agency Analytical Method 8260B								Bicarbonate Alkalinity (as $CaCO_3$) SM 2320B (mg/L)	Nitrate (mg/L) (6)	Nitrite (mg/L)	Nitrate-Nitrite (mg/L)
	Sample Interval	Sample Depth			Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane				
Aquifer Water Quality Standards					**5**	**5**	**2**	**5**	**70**	**5**	**100**	**NE**	**NE**	**10**	**1**	**10**

Notes:
FBW = Feet below water
MRRP = Most Recent Reporting Period (July 1, 2011 - December 31, 2011)
µg/L = Micrograms per liter
mg/L = Milligrams per liter
NE = Not established
WH = Well head
NA = Not analyzed
NS = Not sampled
(1) = Sample collected prior to purging
(2) = Duplicate sample
(3) = Sample collected from sounding tube while well was pumping
(4) = Sample was analyzed according to EPA Method 524.2 instead of EPA Method 8260B
(5) = Estimated concentration. Sample analyzed for nitrate-nitrite content and results reported as nitrate based on historical data.
(6) = See laboratory report for analytical method
(7) = Samples collected by the City of Tucson; samples analyzed using EPA Method 524.2
(8) = Not sampled due to Western Containment System shut down
(9) = Actual sample depth was 14 feet below top of water column; water column was less than 25 feet deep
(10) = Actual sample depth was 45 feet below top of water column; water column was less than 50 feet deep
(11) = Special purge sample. Other VOCs detected were gasoline indicator chemicals ethylbenzene, total xylenes, and 1,2,4-trimethylbenzene at concentrations ranging from 1.3 to 7.0 µg/L.
(12) = The VOC 1,1-dichloroethane was also reported at 1.8 µg/L
(13) = Last sample collected by URS before C-026B pump shut down on 8/17/2007
(14) = Sample collected by URS after 3 minute purge at 200 gallons per minute
(15) = Sample collected by URS after 19 minute purge at 400 gallons per minute
***Shaded/Bold Font** = concentrations exceed Arizona Department of Environmental Quality Aquifer Water Quality Standards.*
***Bold Font** = concentration above laboratory reporting limit*
Duplicate samples were identified in the December 2003 GWS event: Duplicate 1 - C056A-120303-50, Duplicate 2 - WR177A-120203-5, Duplicate 3 - WR181-120103-5, Duplicate 4 - SJ002-120203-23, Duplicate 5 - 416P-120303

TABLE 6
PARTIAL LISTING OF HISTORICAL STUDIES AND INVESTIGATIONS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Report Date	Prepared by	Abbreviated Title	General Focus
1977	Marco Soil & Foundation Engineers, Inc.	31 Soil Boring Logs attached to John S. Collins & Associates, Inc., October 17, 1979.	Geotechnical
1979	Wehran Engineering Corporation	Deep Test Pit Information	Geotechnical, Landfill Gas
4/25/1979	Heinrichs Geoexploration Company	Cienega Landfill Project, Broadway and Prudence	Geotechnical
10/17/1979	John S. Collins & Associates, Inc.	Analysis of Existing Data, Former Pima County Landfill/Gollob Property	Landfill Gas, Remedial Investigation
12/26/1980	G.A. Nicoll and Associates, Inc.	Geotechnical Investigation, Broadway North Landfill Site	Geotechnical, Landfill Gas
1/16/1981	G.A. Nicoll and Associates, Inc.	Methane Monitoring Investigation, Broadway Landfill Site	Landfill Gas
4/6/1981	SCS Engineers	Report on EPA Technical Assistance to the State of Arizona Department of Health Services (ADHS) and Attorney General Regarding the Assessment of Methane Gas Hazard at Two Arizona Landfills	Landfill Gas, Remedial Investigation
9/12/1982	Geo/Resource Consultants	Methane Gas Control Study, Broadway Landfill	Landfill Gas
9/1983	GRC Consultants, Inc.	Geotechnical Investigation, North Gateway Centre	Geotechnical
11/1983	EMCON Associates	Landfill Gas Migration Control Assessment, Gateway Centre	Landfill Gas
1/1984	GRC Consultants, Inc.	Geotechnical Services at Broadway Proper and Broadway South Landfill	Geotechnical Investigation
5/1984	EMCON Associates	Landfill Gas Migration Investigation and Potential Energy Assessment, Broadway Landfill (North Area), Gateway Centre	Landfill Gas
3/1985	Woodward-Clyde Consultants	Geotechnical Engineering Study, Hilton Hotel, Broadway Proper Site	Geotechnical Investigation
9/24/1985	GRC Consultants, Inc.	Landfill Soil Gas Sample Results, Broadway Landfill, Gateway Center Development	Remedial Investigation

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7/31/1987	GRC Consultants, Inc.	Preliminary Geotechnical Investigation, Kenyon Terrace	Geotechnical Investigation
12/1988	Tracer Research Corporation	Shallow Soil Gas Investigation at the Gateway Landfill	Remedial Investigation
3/8/1989	Woodward-Clyde Consultants	Hazardous Substance Contamination Site Assessment Gateway Center	Phase I Environmental Site Assessment
10/1989	Ensco Environmental Services	Soil Investigation at Gateway Center Development	Remedial Investigation
2/27/1990	Geo/Resource Consultants, Inc.	Phase II Environmental Assessment, Gateway Centre, Block 1	Remedial Investigation
3/1990	Geo/Resource Consultants, Inc.	Chronology and Summary of Gateway Center Investigations	Geotechnical, Landfill Gas, Remedial Investigation, Phase I Environmental Site Assessment
4/9/1990	Environmental Engineering Consultants, Inc.	Phase I Environmental Assessment, O'Rielly Parcel at Northeast Corner of Broadway and Prudence	Phase I Environmental Site Assessment
7/27/1990	Woodward-Clyde Consultants	Report for Phase II Environmental Site Assessment and Soil Gas Survey for O'Rielly, Broadway and Prudence Site	Remedial Investigation
9/1990	Tracer Research Corporation	Shallow Soil Gas Investigation at Broadway South Landfill	Remedial Investigation
9/14/1990	Water Resources Associates	Level II Environmental Assessment at the Southwest [sic] Corner of Kolb Road and Speedway Boulevard	Remedial Investigation, Phase I Environmental Assessment
5/1992	Tucson Water, Planning and Technical Services Division	Broadway Groundwater Contamination Study Area, Phase I - Remedial Investigation	Remedial Investigation
6/30/1995	Arizona Department of Environmental Quality	Preliminary Assessment/Site Inspection, Broadway North Landfill	Remedial Investigation
6/30/1995	Arizona Department of Environmental Quality	Preliminary Assessment/Site Inspection, Broadway South Landfill	Remedial Investigation
7/1996	Camp Dresser & McKee	Technical Memorandum No. 1, Broadway North Landfill	Remedial Investigation

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8/1/1996	Camp Dresser & McKee	Technical Memorandum No. 2, Broadway North Landfill	Remedial Investigation
3/1998	Camp Dresser & McKee	Remedial Investigation Report, Broadway North Landfill	Remedial Investigation
3/11/1998	McLaren Hart, Inc.	Final Solid Waste Closure Plan, Proposed Home Depot Development Project	Remedial Investigation, Geotechnical, Landfill Gas
3/2000	Tracer Research Corporation	Shallow Soil Gas Survey at Former Broadway South Landfill	Remedial Investigation
12/11/2000	Aplomado Environmental, LLC.	Risk Evaluation of Remedial Alternatives, Broadway Store Relocation, Broadway Boulevard and Prudence Road	Remedial Investigation
8/13/2001	Aplomado Environmental, LLC.	Assessment of Pads A and B, Trenching, Sample Collection & Analysis, Broadway-Prudence Center	Remedial Investigation
6/30/2002	URS	Remedial Investigation Report, Broadway-Pantano WQARF Site Groundwater Operable Unit	Remedial Investigation
12/30/2002	Zonge Engineering & Research Corporation	IP & Resistivity Geophysical Surveys, Broadway South (southern portion) and Prudence Landfills	Geophysical Survey

TABLE 7
WELL CONSTRUCTION DETAILS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Location	ADWR Registry Number (55-)	UTM Coordinates (International Feet) AZ Central NAD 1983 COT 2000		Reference Elevation (ft AMSL)	Date Constructed	Boring Total Depth (ft bgs)	Screened Interval (ft bgs)	Casing Diameter (Inches)	Pump Depth (ft below reference elevation)	Well Status
			Northing	Easting							
411-P	St. Joseph's Hospital	603227	448358.00	1028401.02	2565.58	Aug-74	484	305-484	12	NA	Private water supply well
414-P	Far Horizons East		448567.6	1037301	NA	NA	NA	NA	NA	NA	Private water supply well
416-P	Simoniz Car Wash	801196	451002.3	1025786	2535	Jan-77	400	NA	8	NA	Private water supply well
417-P	Martin II		449757.5	1036689	NA	NA	NA	NA	NA	NA	Private water supply well
BP-1	1005 N. Alamo	589345	450594.11	1025850.16	2535.48	Jan-02	456	261-436	5	NA	ADEQ monitor well
BP-2	6063 E. Rosewood	589349	449937.79	1025940.29	2540.49	Jan-02	466	265-440	5	NA	ADEQ monitor well
BP-3	Rosewood & Sahara	589348	449798.33	1024686.04	2533.45	Jul-02	450	255-430	5	NA	ADEQ monitor well
BP-4	6056 E. Baker	589347	448920.04	1025956.10	2547.30	Jan-02	460	260-435	5	NA	ADEQ monitor well
BP-5	E. Brian Kent	589346	449463.47	1028798.18	2570.38	Jan-02	477	280-455	5	NA	ADEQ monitor well
BP-7	7034 E. Kingston Dr.	589343	447595.19	1032446.44	2579.34	Jan-02	488	281-456	5	NA	ADEQ monitor well
BP-8	7001 E. Broadway Blvd.	587095	446603.71	1032506.39	2602.64	Jul-01	492	297-472	5	NA	ADEQ monitor well

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			Northing	Easting							
BP-9	7525 E. Broadway Blvd.	589342	446131.61	1035338.48	2581.80	Jan-02	478	280.5-455.5	5	NA	ADEQ monitor well
BP-10	7342 E. Broadway Blvd.	589341	445666.74	1034601.27	2594.93	Dec-01	487	285-460	5	NA	ADEQ monitor well
BP-11	Broadway South Landfill	588207	444687.00	1035419.55	2606.97	Sep-01	498	378-478	5	NA	ADEQ monitor well
BP-15	Mann & 12th St.	589338	445399.47	1030161.74	2595.45	Nov-01	488.5	293.5-468.5	5	NA	ADEQ monitor well
BP-16	Broadway Blvd. & Montego	589337	445532.82	1033867.56	2602.56	Jun-02	501.5	295-470	5	NA	ADEQ monitor well
BP-19	7001 E. Hawthorne St.	596237	450209.90	1031901.38	2545.44	Feb-03	440	245-420	5	NA	ADEQ monitor well
BP-20	2nd Street & Sonoita Avenue	208705	450733.890	1025344.483	2532.206	Aug-05	470	280-430	6	NA	COT monitoring well
BP-21	5947 East Hawthorne	208704	450249.779	1025102.991	2533.692	Aug-05	470	280-430	6	NA	COT monitoring well
BP-22	Broadway South Landfill	211472	444265.980	1036021.25	2605.692	May-06	458	195-200, 245-250, 295-300, 358-438	11	NA	Three BSL nested 1-inch-diameter soil vapor probes with one 4-inch-diametergroundwater well

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			Northing	Easting							
BP-23	Broadway South Landfill	211653	444898.115	1035965.107	2599.658	May-06	455	195-200, 245-250, 295-300, 350-440	11	NA	Three BSL nested 1-inch-diameter soil vapor probes with one 4-inch-diameter groundwater well
BP-24A	Green Hills Avenue, between East 5th Street and Baker	55-908056	448604.879	1032041.597	2567.960	Dec-07	358	325-355	5	NA	ADEQ moniter well
BP-24B	Green Hills Avenue, between East 5th Street and Baker	55-908057	448565.971	1032058.243	2568.013	Dec-07	414	385-405	5	NA	ADEQ moniter well
BP-24C	Green Hills Avenue, between East 5th Street and Baker	55-908058	448534.943	1032069.352	2568.283	Nov-07	462	440-460	5	NA	ADEQ moniter well
BP-25	Norht Center Drive, SW of the intersection with Rosewood Street	55-908951	449455.410	1034212.251	2550.156	May-08	380	300-375	5	NA	ADEQ monitor well

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			Northing	Easting							
C-020B	6450 E. Martha Hillgrove	620021	450453.3	1028605	2560.5	Nov-66	500	225-500	16	NA	Active well; supplies water to the potable distribution system on restricted "Last On/First Off" use
C-021A	6532 E. Sheperd Hills	620022	449119	1029088	2557	Jun-52	375	200-370	12	373	Abandoned 3/01 due to collapsed casing
						Nov-67	505	357-505	10		
C-022A	6900 E. Baker St.	620023	448636.14	1031312.26	2585.23	Nov-54	345	168-345	12	386.54	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
						Jul-86	400	338-398			
C-025B	6600 E. Cooper St.	620026	444902	1029212	2599.4	Jan-68	500	249-479	12	545	Active well; supplies water to the potable distribution system; not used to meet system demand since October, 2000.
						Nov-91	700	377-580	16		
C-026A	908 N. Alamo Ave.	620027	450046.13	1026161.93	2539.79	Mar-56	350	130-350	10	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed in 2001
							600	336-596	12		
C-026B	908 N. Alamo Ave.	620028	450016.12	1026177.78	2539.35	Nov-77	544	280-520	16	NA	WCS extraction well. On line since March 2003.
							935				
C-056A	1302 N. Rook	619992	452308.87	1026732.70	2532.42	Aug-57	353	123-352	10	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed in 2001
							500	334-500	12		

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			Northing	Easting							
C-056B	1302 N. Rook	619993	449029.30	1023446.40	2542.54	Sep-76	1005	270-590	16	NA	Active well; supplies water to the potable distribution system on restricted "Last On/First Off" use
C-058B	650 N. Van Buren St.	619995	449028.97	1023447.73	2540.00	Aug-76	950	320-640	16	NA	Active well; supplies water to the potable distribution system on restricted "Last On/First Off" use
C-114A	999 N. Barbara Worth	619959	450698.37	1028152.01	2552.12	Aug-77	1000	290-510	16	NA	Active well; supplies water to the potable distribution system on restricted "Last On/First Off" use
D-018A	6953 E. Kirkland Dr.	620057	444863.08	1032024.97	2609.57	Dec-56	340	340-501	16	509	Active well: supplies water to the potable distribution system; not used to meet system demand since October, 2000.
						Feb-65	501	465-700	12		
						Sep-76	710		10		
D-021A	6801 E. Kinston Pl.	620059	447573.69	1030748.86	2578.98	Apr-58	353	153-353	16	362.54	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
						Jan-76	550	328-550	12		
D-022A	7263 E. Luana Pl.	620060	447737.34	1033891.24	2578.82	Dec-66	325	143-318	12	362.6	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
							460	310-460	10		
D-039A	242 S. Avenida de la Vista	620074	444544.57	1034291.19	2618.06	Feb-57	435	193-435	12	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001

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			Northing	Easting							
D-040A	7326 E. Placita Maicoba	620075	443366.55	1034231.59	2637.04	Sep-60	402	222-402	10	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
						Mar-63	600	410-556	12		
							620				
D-041A	621 S. La Villa Pl.	620076	442848.2	1035147	2640.5	Oct-75	457	249-457	10	NA	Equipped with dedicated submersible pump for water quality monitoring
							702	337-702	12		
R-068A	Broadway North Landfill	578599	447618.99	1034866.96	2577.60	Jan-00	370	240-368	6	NA	BNL air injection / groundwater monitor well.
R-069B	Broadway North Landfill	578601	448804.26	1034787.01	2563.05	Feb-00	379	257-365	6	NA	BNL air injection / groundwater monitor well.
R-090A	South of Alamo Avenue and 5th Street	587017	448539.31	1026113.98	2549.68	Mar-02	500	290-490	12		WCS injection well. Online since March 2003.
R-091A	South of Alamo Avenue and 5th Street	587018	448407.01	1026058.01	2551.12	Mar-02	500	290-490	12		WCS injection well
R-092A	Wilmot Library	587019	448358.88	1027726.97	2562.00	Mar-02	500	290-490	16		WCS extraction well
SE-1	Sewell Elementary School	568641	448544.27	1024673.23	2544.06	1998	375	305-365	5	NA	ADEQ monitor well
SJ-1	Carondelet Dr. east of Wilmot	568639	447506.87	1029361.96	2583.84	1998	396	327-387	5	NA	ADEQ monitor well
SJ-2	South end of Mann Dr.	568640	448202.78	1030080.23	2589.29	1998	398	331-391	5	357	ADEQ monitor well

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			Northing	Easting							
WR-177A	Broadway North Landfill	527410	446778.29	1034017.76	2586.85	Jul-90	476	319-470	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-178A	Harold Bell Wright Park	527412	448677.78	1028058.46	2560.60	Aug-90	465	309-460	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-179A	Langley and Broadway	527409	445923.21	1031145.96	2597.91	Aug-90	495	339-490	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-180A	Rosewood Circle and Rosewood Place	527411	449798.96	1030189.61	2560.22	Aug-90	471	313-465	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-181A	AZ Polish Club	527406	450093.41	1035034.29	2548.82	Aug-90	446	287-438	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-186A	Bank of Pantano Wash N of Speedway	527407	451256.01	1033592.95	2545.49	Jan-91	415	259-410	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001

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			Northing	Easting							
WR-207A	NW of Broadway Blvd. and Pantano Rd	531208	446652.04	1036692.03	2580.91	Aug-91	205	310-450	6	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001. Abandoned Aug-2002.
WR-207B		592443	447024.59	1036587.97	2577.26	Oct-02	450	300-450	5	NA	COT monitoring well
WR-273A	TEP-Kolb Rd. Substation	558356	448874.90	1033902.94	2555.89	Jan-97	347	298-338	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-274A	Broadway North Landfill	558355	448059.91	1033675.30	2568.54	Jan-97	350	306-346	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-275A	Broadway North Landfill	558354	447492.01	1034002.56	2574.58	Jan-97	360	317-358	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001

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			Northing	Easting							
WR-352A	Harold Bell Wright Park	575473	448652.58	1028047.14	2558.75	Nov-99	465	420-460	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-353A	TEP-Kolb Rd. Substation	575474	448865.65	1033827.97	2553.10	Oct-99	458	410-450	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-354A	Paseo San Andreas and Wilmot Rd.	576420	446962.45	1027536.02	2565.07	Dec-99	381	331-381	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR358A	TEP-Kolb Rd. Substation	577633	449020.05	1032928.31	2549.91	Nov-99	371	321-371	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-367A	Broadway South Landfill	581353	445356.76	1035420.09	2601.69	Jun-00	408	312-407	5	382	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001
WR-434A	Prudence Landfill	587405	NS	NS	NS	Jul-04	360	NA	5	NA	Deep nested vapor probe. Probes set at 50, 150, 250, 350, ft bgs
WR-435A	Broadway South Landfill/Prudence Landfill	587406	443781.83	1035651.87	2619.53	Aug-01	420	330-420	5	NA	Formerly sampled by COT. All sampling equipment removed by ADEQ per COT/ADEQ well access agreement signed June 2001

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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Location	ADWR Registry Number (55-)	UTM Coordinates (International Feet) AZ Central NAD 1983 COT 2000		Reference Elevation (ft AMSL)	Date Constructed	Boring Total Depth (ft bgs)	Screened Interval (ft bgs)	Casing Diameter (Inches)	Pump Depth (ft below reference elevation)	Well Status
			Northing	Easting							
WR-702A	Near N. McKinley Ave and E. 2nd St	55-910267	450641.66	1024009.848	2526.33	Jan-09	412	292-392	5	NA	COT monitoring well
WR-703A	Near N. Van Buren Ave and E. Speedway Blvd	55-910326	451092.78	1023297.257	2521.00	Jan-09	410	294-394	5	NA	COT monitoring well
WR-704A	Near E. 1st St and Craycroft Ave	55-910363	450913.92	1022373.276	2521.84	Jan-09	360	290-350	5	NA	COT monitoring well
DP-1	Broadway North Landfill	UNK	NS	NS	NM	Oct-96	194	45-50, 120-125, 145-150, 188-193	8	NA	BNL soil vapor monitoring well. Four nested 0.5-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
DP-2	Broadway North Landfill	UNK	NS	NS	NM	Oct-96	194	45-50, 95-100, 145-150, 188-193	8	NA	BNL soil vapor monitoring well. Four nested 0.5-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
DP-3	Broadway North Landfill	UNK	NS	NS	NM	Oct-96	194	45-50, 95-100, 145-150, 188-193	8	NA	BNL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
DP-4	Broadway North Landfill	203806	NS	NS	NM	Jun-04	305	45-50, 95-100, 145-150, 195-200, 245-250, 295-300	13	NA	BNL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.

TABLE 7
WELL CONSTRUCTION DETAILS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Location	ADWR Registry Number (55-)	UTM Coordinates (International Feet) AZ Central NAD 1983 COT 2000		Reference Elevation (ft AMSL)	Date Constructed	Boring Total Depth (ft bgs)	Screened Interval (ft bgs)	Casing Diameter (Inches)	Pump Depth (ft below reference elevation)	Well Status
			Northing	Easting							
DP-5	Broadway North Landfill	203807	NS	NS	NM	Jun-04	300	45-50, 95-100, 145-150, 195-200, 245-250, 295-300	13	NA	BNL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
DP-6	Broadway North Landfill	203808	NS	NS	NM	Jun-04	306	45-50, 95-100, 145-150, 195-200, 245-250, 295-300	13	NA	BNL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
DP-7	Broadway North Landfill	203809	NS	NS	NM	Jun-04	307	45-50, 95-100, 145-150, 195-200, 245-250, 295-300	13	NA	BNL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
BSDP-1	Broadway South Landfill	211468	NS	NS	NM	Apr-06	351	95-100, 145-150, 195-200, 243-248, 295-300, 345-350	11	NA	BSL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
BSDP-2	Broadway South Landfill	211469	NS	NS	NM	Apr-06	351	95-100, 145-150, 195-200, 245-250, 295-300, 345-350	11	NA	BSL soil vapor monitoring well. Six 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
BSDP-3	Broadway South Landfill	211470	NS	NS	NM	May-06	157	45-50, 95-100, 145-150	9	NA	BSL soil vapor monitoring well. Three 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.
BSDP-4	Broadway South Landfill	211471	NS	NS	NM	May-06	157	45-50, 95-100, 145-150	9	NA	BSL soil vapor monitoring well. Three 1.0-inch-diameter, Schedule 80 PVC soil vapor probes with basal 5-foot long, 0.01-inch slotted casing.

TABLE 7
WELL CONSTRUCTION DETAILS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Notes:
All readings taken from top of casing or sounding tube.
NA = Not available or not applicable
NS = Not surveyed; wellhead location (i.e., northing/easting UTM Coordinates) is not known accurately.
NM = Not measured; wellhead elevation is not known accurately.
UNK = Unknown
UTM = Universal Transverse Mercator
NAD = North American Datum
ADEQ = Arizona Department of Environmental Quality
ADWR = Arizona Department of Water Resources
AMSL = above mean sea level
ft bgs = feet below ground surface
Modified from Table 1-2, Well Construction Details, in URS (2002a) for pre-2002 well installation data.

TABLE 8
WELL SURVEY DATA
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	North Latitude (NAD 27)	West Longitude (NAD 27)	Top of Casing Elevation (feet amsl)
BP-1	32°14'03.472"	110°51'43.856"	2535.40
BP-2	32°13'56.969"	110°51'42.881"	2540.45
BP-3	32°13'55.710"	110°51'57.498"	2533.48
BP-4	32°13'46.897"	110°51'42.814"	2547.26
BP-5	32°13'51.997"	110°51'09.669"	2570.31
BP-7	32°13'33.153"	110°50'27.419"	2579.34
BP-8	32°13'23.336"	110°50'26.837"	2602.64
BP-9	32°13'18.383"	110°49'53.929"	2581.80
BP-10	32°13'13.856"	110°50'02.563"	2594.93
BP-11	32°13'04.080"	110°49'53.153"	2606.97
BP-15	32°13'11.652"	110°50'54.267"	2595.45
BP-16	32°13'12.605"	110°50'11.119"	2602.53
BP-19	32°13'59.078"	110°50'33.459"	2545.43
BP-20	32°14'04.922"	110°51'49.715"	2532.21
BP-21	32°14'00.154"	110°51'52.581"	2533.69
BP-22	32°12'59.863"	110°49'46.178"	2605.692
BP-23	32°13'06.124"	110°49'46.757"	2599.658
BP-24A	32°13'43.191"	110°50'31.990"	2567.960
BP-24B	32°13'42.804"	110°50'31.801"	2568.013
BP-24C	32°13'42.496"	110°50'31.675"	2568.283
BP-25	32°13'51.392"	110°50'06.623"	2550.156
C-022A	32°13'43.563"	110°50'40.497"	2585.26
C-026A	32°13'58.019"	110°51'40.289"	2540.15
C-026B	32°13'57.721"	110°51'40.108"	2539.24
C-056A	32°14'20.356"	110°51'33.386"	2532.30
C-058A	32°13'48.213"	110°52'11.999"	2542.44
D-021A	32°13'33.106"	110°50'47.180"	2578.72
D-022A	32°13'34.407"	110°50'10.580"	2578.82
D-039A	32°13'02.780"	110.50'06.305"	2618.06
D-040A	32°12'51.134"	110°50'07.136"	2637.04
R-068A	32°13'33.147"	110°49'59.241"	2577.60
R-069B	32°13'44.887"	110°50'00.027"	2563.05
R-090A	32°13'43.077"	110°51'40.999"	2552.74
R-091A	32°13'41.772"	110°51'41.661"	2554.17
R-092A	32°13'41.172"	110°51'22.265"	2561.96
SE-001	32°13'43.303"	110°51'57.789"	2544.09
SJ-001	32°13'32.582"	110°51'03.332"	2583.73
SJ-002	32°13'39.397"	110°50'54.891"	2589.16
WR-155A	32°13'57.526"	110°51'40.374"	2538.92
WR-177A	32°13'24.914"	110°50'09.225"	2586.85
WR-178A	32°13'44.296"	110°51'18.369"	2560.59
WR-179A	32°13'16.738"	110°50'42.751"	2597.91
WR-180A	32°13'55.180"	110°50'53.434"	2560.13
WR-181A	32°13'57.614"	110°49'57.005"	2548.82
WR-186A	32°14'09.261"	110°50'13.647"	2545.49
WR-207A	32°13'23.397"	110°49'38.114"	2580.91
WR-207B	32°13'27.094"	110°49'39.281"	2577.25

TABLE 8
WELL SURVEY DATA
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	North Latitude (NAD 27)	West Longitude (NAD 27)	Top of Casing Elevation (feet amsl)
WR-273A	32°13'45.670"	110°50'10.316"	2555.89
WR-274A	32°13'37.629"	110°50'13.062"	2568.54
WR-275A	32°13'31.977"	110°50'09.319"	2574.58
WR-352A	32°13'44.047"	110°51'18.504"	2558.62
WR-353A	32°13'45.586"	110°50'11.191"	2553.10
WR-354A	32°13'27.374"	110°51'24.647"	2564.84
WR-358A	32°13'47.203"	110°50'21.644"	2549.91
WR-367A	32°13'10.708"	110°49'53.071"	2601.69
WR-435A	32°12'55.102"	110°49'50.558"	2619.53
WR-458A	32°14'08.847"	110°50'53.838"	2542.49
WR-459A	32°14'08.785"	110°50'34.110"	2536.43
WR-702A	32°14'04.24"	110°52'07.68"	2526.33
WR-703A	32°14'08.91"	110°52'15.81"	2520.74
WR-704A	32°14'07.26"	110°52'26.54"	2521.84
411-P	32°13'41.097"	110°51'14.419"	2565.42
416-P	32°14'08.6"	110°51'42.84"	NS

Notes:

Top of casing elevation using orthometric heights NAVD88 elevation data.
amsl = Above mean sea level
NS = Not surveyed

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
July/August 2001	26	(1) 8 wells for depth-specific pre-purge and post-purge sampling, plus wellhead sampling; and 18 wells for purged well sampling only	EPA 8260B for VOCs	(1) One-time comparison with previously-used sampling techniques
		(2) 7 wells proximal to BNL (wells D-022A, WR-177A, WR-207A, WR-273A, WR-274A, WR-275A, and WR-353A)	EPA 200.7, 200.9 & 245.1 for RCRA 8 total metals	(2) Initial sampling for RCRA 8 total metals in GOU adjacent to the BNL
November 2001	26	No special testing. Added wells BP-11, D-021A, and WR-435A. Did not sample wells WR-273A, WR-353A, and WR-358A (inaccessible).	EPA 8260B for VOCs	Standard no-purge, depth-specific sampling
February 2002	39	No special testing. Added 8 "BP"-series wells (BP-1, BP-2, BP-4, BP-5, BP-7, BP-9, BP-10, and BP-15)	EPA 8260B for VOCs plus bicarbonate alkalinity (as $CaCO_3$)	Standard no-purge, depth-specific sampling
May 2002	38	(1) 3 wells (BP-9, WR-273A & WR-275A) at 5-feet below water table (BWT) for polychlorinated biphenyls (PCBs).	EPA 8260B for VOCs; SM 2320B for bicarbonate alkalinity (as $CaCO_3$)	(1) Follow-up sampling for RCRA 8 total metals in GOU adjacent to the BNL
		(2) Did not sample well C-058A (construction in vicinity)		(2) Standard no-purge, depth-specific sampling
August 2002	40	(1) Added wells BP-3 and BP-16; did not sample well D-021A	EPA 8260B for VOCs plus bicarbonate alkalinity (as $CaCO_3$)	(1) Standard no-purge, depth-specific sampling
		(2) 14 wells proximal to BNL, BSL, and closed Prudence Landfill for RCRA 8 total metals	EPA 200.7, 200.9 & 245.1 for RCRA 8 total metals	(2) One-time check of expanded network of wells proximal to GOU landfill areas
		(3) 4 wells (BP-10, D-022A, R-068A & WR-358A) for 1,4-dioxane	EPA 8260B (modified) for 1,4-dioxane	(3) One-time check of for 1,4-dioxane in select GOU wells.
November 2002 Western Containment System (WCS) Pre-startup	18	(1) 18 wells proximal to WCS, including two wellhead sampling wells (private supply wells 411-P & 416-P)	EPA 8260B for VOCs plus bicarbonate alkalinity (as $CaCO_3$)	(1) Standard no-purge, depth-specific sampling
		(2) 4 wells (BP-1, BP-2, C-026A & 416-P) for nitrate (as nitrogen)	EPA 300.0 for nitrate (as nitrogen)	(2) Sampling of groundwater in the GOU for nitrate (as nitrogen)
		(3) 2 wells (BP-2 and WR-178A) for wellhead sampling (at 50 feet BWT) for all metals, inorganic compounds, and organic compounds with an EPA MCL or established AWQS threshold	Various	(3) Sampling of groundwater for general chemistry and hazardous constituents

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
March 2003	44	(1) 44 wells in GOU, including one wellhead sampling well (416-P). Added wells BP-19 and WR-207B; did not sample 411-P (pump inoperable); dropped wells R-090A, R-091A, and WR-207A.	EPA 8260B for VOCs; for bicarbonate alkalinity (as $CaCO_3$) by SM 2320B	(1) Standard no-purge depth-specific sampling
		(2) 4 wells (BP-1, BP-2, C-026A and 416-P) for nitrate (as nitrogen)	EPA 300.0 for nitrate (as nitrogen)	(2) Follow-up sampling of groundwater in the GOU for nitrate (as nitrogen)
		(3) Well BP-19 for RCRA 8 Total Metals	EPA 200.7, 200.9 & 245.1 for RCRA 8 total metals	(3) One-time sampling of new well for RCRA 8 total metals
		(4) 2 wells (BP-2 and WR-178A) at 50 feet BWT for pesticides and herbicides	EPA 525.2 for pesticides and herbicides	(4) Follow-up sampling of wells for pesticides/herbicides
May 2003 WCS Post-Startup	15	(1) 15 wells in GOU proximal to WCS in impact area, including two wellhead sampling wells (private supply wells 411-P & 416-P)	EPA 8260B for VOCs; for bicarbonate alkalinity (as $CaCO_3$) by SM 2320B	(1) Standard no-purge depth-specific sampling
		(2) 4 wells (BP-1, BP-2, C-026B, and 416-P) for nitrate (as nitrogen)	EPA 300.0 for nitrate (as nitrogen)	(2) Follow-up sampling of groundwater in the GOU for nitrate (as nitrogen)
December 2003	44	(1) 44 wells in GOU including three wellhead sampling wells (C-026B, 411-P, 416-P); dropped well WR-207B; added well C-026B	EPA 8260B for VOCs plus bicarbonate alkalinity (as $CaCO_3$)	(1) Standard no-purge depth-specific sampling
		(2) 24 wells for nitrate (as nitrogen)	EPA 300.0 for nitrate (as nitrogen)	(2) Follow-up sampling of groundwater in the GOU for nitrate (as nitrogen)
March 2004	18	(1) 18 wells in GOU proximal to WCS impact area, including four wellhead sampling wells (C-026B, R-092A, 411-P, and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) Well 416-P for nitrate (as nitrogen)	EPA 353.2 for nitrate (as nitrogen)	(2) Follow-up sampling of groundwater in the GOU for nitrate (as nitrogen)
May 2004	47	(1) 47 wells in GOU, including four wellhead sampling wells (C-026B, R-092A, 411-P, & 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) Well 416-P for nitrate (as nitrogen)	EPA 353.2 for nitrate (as nitrogen)	(2) Follow-up sampling of groundwater in the GOU for nitrate (as nitrogen)
		(3) 9 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
		(4) 5 wells in GOU for perchlorate	EPA 314.0 for perchlorate	(4) Initial sampling of groundwater in the GOU for perchlorate

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
July 2004	1	Well 416-P for VOCs, nitrate (as nitrogen), and nitrite (as nitrogen)	EPA 8260B for VOCs, EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	Verification sampling of low but detectable PCE content in private water supply well; plus follow-up sampling for nitrate and nitrite
August 2004	18	(1) 18 wells in GOU proximal to WCS in impact area, including three wellhead sampling wells (C-026B, R-092A, and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 5 wells in GOU, including two wellhead sampling wells (C-026B and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
September 2004	1	Well 416-P for VOCs, nitrate (as nitrogen), and nitrite (as nitrogen)	EPA 8260B for VOCs, EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	Follow-up sampling of low but detectable PCE content in private water supply well, plus follow-up sampling for nitrate and nitrite
November 2004	44	(1) 44 wells in GOU, including three wellhead sampling wells (C-026B, R-092A, and 416-P) for VOCs; dropped wells C-056A and WR-186A; added well C-058A	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 5 wells in GOU, including two wellhead sampling wells (C-026B and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 9 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
January 2005	2	Wells BP-7 and BP-8 for VOCs	EPA 8260B for VOCs	Verification sampling of PCE exceedances in BP-7 and BP-8 from November 2004 sampling event
February 2005	19	(1) 16 wells in GOU proximal to WCS impact area, including three wellhead sampling wells (C-026B, R-092A, and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 3 wells (BP-7, BP-8, and newly added WR-177A) for VOCs	EPA 8260B for VOCs	(2) Verification sampling of PCE exceedances from November 2004 sampling
		(3) 6 wells in GOU, including two wellhead sampling wells (C-026B and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(3) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen) event

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
March 2005	3	Wells BP-7, BP-8, and WR-177A for VOCs	EPA 8260B for VOCs	Verification sampling of PCE exceedances from November 2004 sampling event
April 2005	3	Wells BP-7, BP-8, and WR-177A for VOCs	EPA 8260B for VOCs	Verification sampling of PCE exceedances from November 2004 sampling event
May 2005	43	(1) 43 wells in GOU, including four wellhead sampling wells (C-026B, R-092A, 411-P and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 5 wells in GOU, including two wellhead sampling wells (C-026B and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 9 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
September 2005	24	(1) 21 wells in GOU proximal to WCS impact area, including four wellhead sampling wells (C-026B, R-092A, 411-P, and 416-P) for VOCs; added wells BP-20 and BP-21	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. Initial sampling of newly installed wells BP-20 and BP-21
		(2) 3 wells (BP-7, BP-8 and WR-177A) for VOCs	EPA 8260B for VOCs	(2) Verification sampling of PCE exceedances from November 2004 sampling event
		(3) 6 wells in GOU, including three wellhead sampling wells (C-026B, 411-P, and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(3) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
November 2005	43	(1) 43 wells in GOU, including three wellhead sampling wells (C-026B, R-092A and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 5 wells in GOU, including two wellhead sampling wells (C-026B and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 7 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
January 2006	29	(1) 26 wells in GOU proximal to WCS impact area, including four wellhead sampling wells (C-026B, R-092A, 411-P, and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 3 wells (BP-7, BP-8 and WR-177A) for VOCs	EPA 8260B for VOCs	(2) Verification sampling of PCE exceedances from

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
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BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
				November 2004 sampling event
		(3) 6 wells in GOU, including three wellhead sampling wells (C-026B, 411-P, and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(3) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
February 2006	1	Well 411-P for VOCs	EPA 8260B for VOCs	Follow-up sampling of low but detectable PCE content in private water supply well
March 2006	1	Well 411-P for VOCs	EPA 8260B for VOCs	Follow-up sampling of low but detectable PCE content in private water supply well
April 2006	48	(1) 48 wells in GOU, including four wellhead sampling wells (C-026B, R-092A, 411-P and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling
		(2) 6 wells in GOU, including three wellhead sampling wells (C-026B, 411-P and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 9 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
May 2006	3	(1) Well WR-179A for VOCs	EPA 8260B for VOCs	(1) Verification sampling of TCE exceedance from April 2006 sampling event
		(2) Wells BP-22 and BP-23 in GOU for VOCs	EPA 8260B for VOCs	(2) Initial sampling of newly installed wells BP-22 and BP-23
September 2006	17	(1) 17 wells in GOU proximal to WCS impact area, including two wellhead sampling wells (411-P and 416-P) for VOCs; includes newly installed wells BP-22 and BP-23	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. WCS shutdown 9/17/06.
		(2) 4 wells in GOU, including two wellhead sampling wells (411-P and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
November 2006	44	(1) 44 wells in GOU, including two wellhead sampling wells (411-P and 416-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. WCS still shut down.
		(2) 5 wells in GOU, including two wellhead sampling wells (411-P and 416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 7 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
February 2007	12	(1) 12 wells in GOU proximal to WCS impact area, including one wellhead sampling wells (411-P) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. WCS still shut down.
		(2) 4 wells in GOU, including one wellhead sampling wells (411-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
April 2007	47	(1) 46 wells in GOU, including three wellhead sampling wells (416-P, C-026B, and R-092A) for VOCs [plus 1 well (WR-207B) for metals only]. Well 411-P shutdown for pump repair.	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. WCS restarted.
		(2) 1 well in GOU (BP-1) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 3 wells in GOU for RCRA 8 total metals; WR-207B analyzed for metals only	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
August 2007	17	(1) 17 wells in GOU, including three wellhead sampling wells (411-P, C-026B, and R-092A) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling.
November 2007	47	(1) 47 wells in GOU, including four wellhead sampling wells (411-P, 416-P, C-026B, and R-092A) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. No purge and purge samples were collected from BP-21.
		(2) 2 wells in GOU, including one wellhead sampling wells (416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 7 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
January 2008	3	(1) 3 wells (BP-24A, BP-24B, and BP-24C) in GOU for VOCs; alkalinity; sulfate, chloride, nitrate-nitrogen, nitrite-nitrogen; sulfide; methane and ethane; and dissolved oxygen carbon (DOC)	EPA 8260B for VOCs; EPA-310.1 for alkalinity; EPA 300.0; EPA 376.0 for sulfide; EPA SW 3810; and EPA 9060A	(1) Initial sampling of newly installed BP-24 well cluster
April 2008	50	(1) 50 wells in GOU, including four wellhead sampling wells (411-P, 416-P, C-026B, and R-092A) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling.
		(2) 2 wells in GOU, including one wellhead sampling wells (416-P) for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)

TABLE 9
SUMMARY OF RI GROUNDWATER MONITORING PROGRAM
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Sampling Event	No. of Wells	Special Testing and Network Well Additions/Deletions	Analytical Methods	Remarks
		(3) 1 well in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals
June 2008	1	1 well (BP-25) in GOU for VOCs	EPA 8260B for VOCs	Initial sampling of newly installed well BP-25
February 2009	3	3 wells (WR-702A, WR-703A, and WR-704A) in GOU for VOCs	EPA 8260B for VOCs	Initial sampling of newly installed wells WR-702A, WR-703A, and WR-704A
September 2011	54	(1) 54 wells in GOU, including four wellhead sampling wells (416-P, C-026B, R-092A, and Catalina Village) for VOCs	EPA 8260B for VOCs	(1) Standard no-purge depth-specific sampling. Initial sampling of Catalina Village well.
		(2) 1 well in GOU, wellhead sampling well 416-P, for nitrate (as nitrogen) and nitrite (as nitrogen)	EPA 353.2 for nitrate (as nitrogen), and EPA 354.1 for nitrite (as nitrogen)	(2) Follow-on sampling of groundwater in the GOU for nitrate (as nitrogen) and nitrite (as nitrogen)
		(3) 9 wells in GOU for RCRA 8 total metals	EPA 6010 and EPA 7470 for RCRA 8 total metals	(3) Follow-up sampling of groundwater in the GOU for RCRA 8 total metals

TABLE 10
GROUNDWATER SAMPLING EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sampling Event																				
	July/August 2001	November 2001	February 2002	May 2002	August 2002	November 2002	March 2003	May 2003	December 2003	March 2004	May 2004	July 2004	August 2004	September 2004	November 2004	January 2005	February 2005	March 2005	April 2005	May 2005	September 2005
BP-1			x	x	x	x	x	x	x	x	x		x		x		x			x	x
BP-2			x	x	x	x	x	x	x	x	x		x		x		x			x	x
BP-3					x	x	x	x	x	x	x		x		x		x			x	x
BP-4			x	x	x	x	x	x	x	x	x		x		x		x			x	x
BP-5			x	x	x	x	x	x	x	x	x		x		x		x			x	x
BP-7			x	x	x		x		x		x				x	x	x	x	x	x	x
BP-8	x	x	x	x	x		x		x		x				x	x	x	x	x	x	x
BP-9			x	x	x		x		x		x				x					x	
BP-10			x	x	x		x		x		x				x					x	
BP-11		x	x	x	x		x		x		x				x					x	
BP-15			x	x	x		x		x		x				x					x	
BP-16					x		x		x		x				x		x			x	x
BP-19							x		x		x				x					x	
BP-20																					x
BP-21																					x
BP-22																					
BP-23																					
BP-24A																					
BP-24B																					
BP-24C																					
BP-25																					
C-022A	x	x	x	x	x		x		x		x				x					x	
C-026A	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x
C-026B						x		x	x	x	x		x		x		x			x	x
C-056A	x	x	x	x	x		x		x		x										
C-058A	x	x	x		x		x								x					x	x
D-021A		x	x	x			x		x		x				x					x	
D-022A	x	x	x	x	x		x		x		x				x					x	
D-039A	x	x	x	x	x		x		x		x				x					x	
D-040A	x	x	x	x	x		x		x		x				x					x	
R-068A			x	x	x		x		x		x				x					x	
R-069B			x	x	x		x		x		x				x					x	
R-090A						x															
R-091A						x															
R-092A						x	x	x	x	x	x		x		x		x			x	x
SE-001	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x
SJ-001	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x
SJ-002	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x
WR-177A	x	x	x	x	x		x		x		x				x	x	x	x	x	x	x
WR-178A	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x

TABLE 10
GROUNDWATER SAMPLING EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sampling Event																				
	July/August 2001	November 2001	February 2002	May 2002	August 2002	November 2002	March 2003	May 2003	December 2003	March 2004	May 2004	July 2004	August 2004	September 2004	November 2004	January 2005	February 2005	March 2005	April 2005	May 2005	September 2005
WR-179A	x	x	x	x	x		x		x		x				x					x	
WR-180A	x	x	x	x	x		x		x		x		x		x		x			x	x
WR-181A	x	x	x	x	x	x	x		x		x				x					x	
WR-186A	x	x	x	x	x		x				x										
WR-207A	x	x	x	x	x																
WR-207B							x														
WR-273A	x		x	x	x		x		x		x				x					x	
WR-274A	x	x	x	x	x		x		x		x				x					x	
WR-275A	x	x	x	x	x		x		x		x				x					x	
WR-352A	x	x	x	x	x	x	x	x	x	x	x				x					x	x
WR-353A	x		x	x	x		x		x		x				x					x	
WR-354A	x	x	x	x	x	x	x	x	x	x	x		x		x		x			x	x
WR-358A	x		x	x	x		x		x		x				x					x	
WR-367A	x	x	x	x	x		x		x		x				x					x	
WR-435A		x	x	x	x		x		x		x				x					x	
WR-458A																					
WR-459A																					
WR-702A																					
WR-703A																					
WR-704A																					
411-P						x		x	x					x						x	x
416-P						x	x	x	x			x		x			x			x	x
Catalina Village																					

Notes:
x = Groundwater sample(s) collected during this event.

Notes:
x = Groundwater sample(s) collected during this event.

TABLE 10
GROUNDWATER SAMPLING EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sampling Event																
	November 2005	January 2006	February 2006	March 2006	April 2006	May 2006	September 2006	November 2006	February 2007	April 2007	August 2007	November 2007	January 2008	April 2008	June 2008	February 2009	September 2011
BP-1	x	x			x		x	x	x	x	x	x		x			x
BP-2	x	x			x		x	x	x	x	x	x		x			x
BP-3	x	x			x		x	x	x	x	x	x		x			x
BP-4	x	x			x		x	x	x	x		x		x			x
BP-5	x	x			x		x	x	x	x	x	x		x			x
BP-7	x	x			x			x		x	x	x		x			x
BP-8	x	x			x			x		x	x	x		x			x
BP-9	x				x			x		x		x		x			x
BP-10	x				x			x		x		x		x			x
BP-11	x				x			x		x		x		x			x
BP-15	x				x			x		x		x		x			x
BP-16	x	x			x			x	x	x	x	x		x			x
BP-19	x				x			x		x		x		x			x
BP-20	x	x			x		x	x	x	x	x	x		x			x
BP-21	x	x			x		x	x	x	x	x	x		x			x
BP-22						x	x	x		x		x		x			x
BP-23						x	x	x		x		x		x			x
BP-24A													x	x			x
BP-24B													x	x			x
BP-24C													x	x			x
BP-25															x		x
C-022A	x				x			x		x		x		x			x
C-026A	x	x			x		x	x		x	x	x		x			x
C-026B	x	x			x					x	x	x		x			
C-056A																	
C-058A	x	x			x			x		x		x		x			x
D-021A	x				x					x		x		x			x
D-022A	x	x			x			x		x		x		x			x
D-039A	x				x			x		x		x		x			x
D-040A	x				x			x		x		x		x			x
R-068A	x				x			x		x		x		x			x
R-069B	x				x			x		x		x		x			x
R-090A																	
R-091A																	
R-092A	x	x			x					x	x	x		x			x
SE-001	x	x			x			x		x		x		x			x
SJ-001	x	x			x		x	x		x	x	x		x			x
SJ-002	x	x			x		x	x	x	x	x	x		x			x
WR-177A	x	x			x			x		x		x		x			x
WR-178A	x	x			x			x		x		x		x			x

TABLE 10
GROUNDWATER SAMPLING EVENTS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sampling Event																
	November 2005	January 2006	February 2006	March 2006	April 2006	May 2006	September 2006	November 2006	February 2007	April 2007	August 2007	November 2007	January 2008	April 2008	June 2008	February 2009	September 2011
WR-179A	x				x	x		x		x		x		x			x
WR-180A	x	x			x		x	x	x	x	x	x		x			x
WR-181A	x	x			x			x		x		x		x			x
WR-186A																	
WR-207A																	
WR-207B		x			x					x							x
WR-273A	x				x			x		x		x		x			x
WR-274A		x			x			x		x		x		x			x
WR-275A	x				x			x		x		x		x			x
WR-352A	x	x			x		x	x		x		x		x			x
WR-353A	x				x			x		x		x		x			x
WR-354A	x	x			x		x	x	x	x	x	x		x			x
WR-358A	x	x			x			x		x		x		x			x
WR-367A	x				x			x		x		x		x			x
WR-435A	x				x			x		x		x		x			x
WR-458A																	
WR-459A																	
WR-702A																x	x
WR-703A																x	x
WR-704A																x	x
411-P	x	x	x	x	x		x	x	x		x	x		x			
416-P	x	x			x		x	x		x		x		x			x
Catalina Village																	x

TABLE 11
SUMMARY OF GROUNDWATER QUALITY DATA
RCRA-8 METALS, 2001 THROUGH 2011
BROADWAY-PANTANO WQARF SITE

Sample ID	Sample Interval	MRSE	Depth (FBW)	Sample Date	Constituent Concentration (mg/L) [1]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Aquifer Water Quality Standard					**0.05**	**2**	**0.005**	**0.1**	**0.05**	**0.002**	**0.05**	**NE**
BP-9	**5**		5	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.057**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/12/2004	<0.010	**0.056**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/18/2004	<0.010	**0.096**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/18/2005	<0.010	**0.077**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	4/6/2006	<0.020	**0.076**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/15/2006	**0.0019**	**0.084**	<0.0050	**0.026**	<0.0010	<0.0002	**0.0021**	<0.010
			5	11/15/2007	<0.020	**0.097**	<0.0050	**0.012**	<0.0050	<0.0002	<0.020	<0.010
			5	11/4/2008	<0.020	**0.086**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
		X	5	9/23/2011	<0.10	**0.12**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
	50		50	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	100-108		108	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
BP-10	**5**		5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	50		50	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	99-100		99	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
BP-11	**50**		50	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	108-110		108	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
D-022A			WH	8/2/2001	<0.0050	<1.0	<0.0030	<0.030	**0.010**	<0.0010	<0.0050	<0.010
	5		5	8/1/2001[2]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/2/2001[3]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.2**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.24**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.25**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	4/7/2006	<0.020	**0.21**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
		X	5	9/27/2011	<0.10	**0.20**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
	50		50	8/1/2001[2]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			50	8/2/2001[3]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			50	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	100		100	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	100-104		104	8/1/2001[2]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			104	8/2/2001[3]	<0.0050	<1.0	<0.0030	<0.030	**0.0095**	<0.0010	<0.0050	<0.010
R-068A	**5**		5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.37**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.42**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.42**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.4**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/21/2005	<0.010	**0.5**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	4/6/2006	<0.020	**0.41**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/17/2006	**0.0071**	**0.39**	<0.0050	**0.035**	**0.0015**	<0.0002	**0.0019**	<0.010
			5	11/20/2007	<0.020	**0.39**	<0.0050	<0.010	**0.010**	<0.0002	<0.020	<0.010
			5	11/6/2008	<0.020	**0.38**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
		X	5	9/27/2011	<0.10	**0.35**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010

TABLE 11
SUMMARY OF GROUNDWATER QUALITY DATA
RCRA-8 METALS, 2001 THROUGH 2011
BROADWAY-PANTANO WQARF SITE

Sample ID	Sample Interval	MRSE	Depth (FBW)	Sample Date	Constituent Concentration (mg/L) [1]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Aquifer Water Quality Standard					**0.05**	**2**	**0.005**	**0.1**	**0.05**	**0.002**	**0.05**	**NE**
R-069B	**5**		5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.28**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.24**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.24**	<0.0030	<0.010	<0.010	0.0002	<0.010	<0.0050
			5	11/21/2005	<0.010	**0.26**	<0.0030	<0.010	<0.010	0.0002	<0.010	<0.0050
			5	4/6/2006	<0.020	**0.22**	<0.0050	<0.010	<0.0050	0.0002	<0.020	<0.010
			5	11/16/2006	**0.0021**	**0.23**	<0.0050	**0.014**	**0.0031**	0.0002	**0.0016**	<0.010
			5	11/16/2007	<0.020	**0.19**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/6/2008	<0.020	**0.13**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
		X	5	9/23/2011	<0.10	**0.11**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
WR-177A			WH	8/1/2001	<0.0050	<1.0	<0.0030	<0.030	**0.0094**	<0.0010	<0.0050	<0.010
			WH	8/1/2001[4]	<0.0050	<1.0	<0.0030	<0.030	**0.0083**	<0.0010	<0.0050	<0.010
	5		5	7/31/2001[2]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/1/2001[3]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/2/2003	<0.010	**0.054**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
	25		25	4/24/2007	<0.020	**0.085**	<0.0050	**0.021**	**0.0067**	<0.0002	<0.020	<0.010
			25	4/10/2008	<0.020	**0.058**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
	50		50	7/31/2001[2]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			50	8/1/2001[3]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			50	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			50	4/24/2007	<0.020	**0.11**	**0.0054**	**0.017**	**0.010**	<0.0002	<0.020	<0.010
			50	4/10/2008	<0.020	**0.056**	<0.0050	<0.0010	<0.0050	<0.0002	<0.020	<0.010
	75		75	4/10/2008	<0.020	**0.61**	<0.0050	<0.0010	<0.0050	<0.0002	<0.020	<0.010
	111-112		111	8/7/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			112	7/31/2001[2]	<0.0050	<1.0	<0.0030	<0.030	**0.081**	<0.0010	<0.0050	<0.010
			112	8/1/2001[3]	<0.0050	<1.0	<0.0030	<0.030	**0.051**	<0.0010	<0.0050	<0.010
WR-207A	**5**		5	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/6/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	50		50	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	**0.0084**	<0.0010	<0.0050	<0.010
			50	8/6/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
	101-102		101	8/6/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			102	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	**0.078**	<0.0010	<0.0050	<0.010
WR-207B	**5**		5	4/24/2007	<0.020	**0.14**	<0.0050	**0.015**	<0.0050	<0.00020	<0.020	<0.010
	50		50	4/24/2007	<0.020	**0.13**	<0.0050	**0.017**	<0.0050	<0.00020	<0.020	<0.010
	100		50	4/24/2007	<0.020	**0.14**	<0.0050	**0.022**	<0.0050	<0.00020	<0.020	<0.010
WR-273A	**5**		5	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	**0.0023**	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.25**	<0.0030	<0.010	<0.010	**0.0002**	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.25**	<0.0030	**0.012**	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.35**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.30**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/21/2005	<0.010	**0.34**	<0.0030	<0.010	<0.010	**0.0012**	<0.010	<0.0050
			5	4/7/2006	<0.020	**0.24**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
			5	11/17/2006	<0.0010	**0.27**	<0.0050	<0.010	<0.0010	<0.00020	**0.0019**	<0.010
			5	11/20/2007	<0.0020	**0.29**	<0.0050	<0.010	**0.010**	<0.00020	<0.020	<0.010
			5	11/4/2008	<0.020	**0.29**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
		X	5	9/26/2011	<0.10	**0.22**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010

TABLE 11
SUMMARY OF GROUNDWATER QUALITY DATA
RCRA-8 METALS, 2001 THROUGH 2011
BROADWAY-PANTANO WQARF SITE

Sample ID	Sample Interval	MRSE	Depth (FBW)	Sample Date	Constituent Concentration (mg/L) [1]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Aquifer Water Quality Standard					**0.05**	**2**	**0.005**	**0.1**	**0.05**	**0.002**	**0.05**	**NE**
WR-274A	**5**		5	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	**0.0076**	<0.0010	<0.0050	<0.010
			5	7/25/2001[4]	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.24**	<0.0030	<0.010	**0.023**	**0.0010**	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.24**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.31**	<0.0030	**0.019**	**0.038**	**0.0014**	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	4/7/2006	<0.020	**0.21**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
		X	5	9/27/2011	<0.10	**0.28**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
WR-275A	**5**		5	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	12/3/2003	<0.010	**0.19**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/13/2004	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/19/2004	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.22**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/21/2005	<0.010	**0.24**	<0.0030	**0.015**	**0.016**	<0.0002	<0.010	<0.0050
			5	4/6/2006	<0.020	**0.22**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/16/2006	**0.0012**	**0.24**	<0.0050	<0.010	<0.0010	<0.0002	**0.0032**	<0.010
			5	11/16/2007	<0.020	**0.26**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/6/2008	<0.020	**0.33**	<0.0050	<0.010	<0.0050	<0.00020	<0.020	<0.010
		X	5	9/27/2011	<0.10	**0.32**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010

TABLE 11
SUMMARY OF GROUNDWATER QUALITY DATA
RCRA-8 METALS, 2001 THROUGH 2011
BROADWAY-PANTANO WQARF SITE

Sample ID	Sample Interval	MRSE	Depth (FBW)	Sample Date	Constituent Concentration (mg/L) (1)							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Aquifer Water Quality Standard					**0.05**	**2**	**0.005**	**0.1**	**0.05**	**0.002**	**0.05**	**NE**
WR-353A	**103**		103	12/2/2003	<0.010	**0.071**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			103	5/12/2004	<0.010	**0.073**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			103	11/18/2004	<0.010	**0.082**	<0.0030	0.012	<0.010	<0.0002	<0.010	<0.0050
			103	11/16/2005	<0.010	**0.078**	<0.0030	0.012	<0.010	<0.0002	<0.010	<0.0050
			103	4/5/2006	<0.020	**0.077**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			103	11/15/2006	**0.0019**	**0.08**	<0.0050	**0.031**	**0.0010**	<0.0002	**0.0093**	<0.010
			103	4/24/2007	<0.020	**0.100**	<0.0050	**0.026**	<0.0050	<0.0002	<0.020	<0.010
			103	11/14/2007	<0.020	**0.075**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			103	11/4/2008	<0.020	**0.077**	<0.0050	<0.010	**0.0062**	<0.00020	<0.020	<0.010
		X	103	9/21/2011	<0.10	**0.080**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
	130-131		130	8/7/2002	**0.005**	<1.0	<0.0030	<0.030	**0.13**	<0.0010	<0.0050	<0.010
			131	7/25/2001	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
WR-367A	**5**		5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010
			5	5/12/2004	<0.010	**0.24**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/18/2004	<0.010	**0.24**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	5/18/2005	<0.010	**0.22**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	11/21/2005	<0.010	**0.23**	<0.0030	<0.010	<0.010	<0.0002	<0.010	<0.0050
			5	4/6/2006	<0.020	**0.22**	<0.0050	<0.010	<0.0050	<0.0002	<0.020	<0.010
			5	11/16/2006	<0.0010	**0.22**	<0.0050	<0.010	<0.0010	<0.0002	**0.0018**	<0.010
			5	11/20/2007	<0.020	**0.24**	<0.0050	<0.010	<0.0010	<0.0002	<0.020	<0.010
			5	11/4/2008	<0.020	**0.25**	<0.0050	<0.010	**0.0050**	<0.00020	<0.020	**0.17**
		X	5	9/26/2011	<0.10	**0.19**	<0.0010	<0.010	<0.015	<0.00050	<0.10	<0.010
WR-435A	**5**		5	8/8/2002	<0.0050	<1.0	<0.0030	<0.030	<0.0050	<0.0010	<0.0050	<0.010

Notes:
MRSE = Most recent sampling event
FBW = Feet below water
mg/L = Milligrams per liter
NE = Not established
Bold = Equals or exceeds laboratory reporting limit
Shaded Bold = Equals or exceeds Arizona Department of Environmental Quality Aquifer Water Quality Standard
(1) = See laboratory report for analytical method
(2) = Sample collected prior to purging
(3) = Sample collected post purging
(4) = Duplicate sample

TABLE 12
MCL/AWQS SAMPLING RESULTS FOR WELLS WR-178A AND BP-2
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Analyte Name	MCL (µg/L)	AWQS (µg/L)	Sample ID	
			WR-178A	BP-2
			Results (µg/L)	
METHOD 200.7 (Sample collected on 11/21/02)				
Barium	2000	2000	<1000	<1000
Beryllium	4.0	4.0	<4.0	<4.0
Cadmium	5.0	5.0	<3.0	<3.0
Chromium	100	100	<30	<30
Copper	NE	NE	<20	<20
Nickel	100	100	<100	<100
METHOD 200.9 (Sample collected on 11/21/2002)				
Antimony	6.0	6.0	<5.0	<5.0
Arsenic	50	50	<5.0	<5.0
Lead	50	50	<5.0	<5.0
Selenium	50	50	<5.0	<5.0
Thallium	2.0	2.0	<2.0	<2.0
METHOD 245.1 (Sample collected on 11/21/2002)				
Mercury	2.0	2.0	<1.0	<1.0
METHOD 300.0 (Sample collected on 11/21/2002)				
Nitrate (Nitrogen as N)	10000	10000	<1000	1800
Nitrite (Nitrogen as N)	1000	1000	<100	<100
METHOD 335.4 (Sample collected on 11/21/2002)				
Cyanide (as free cyanide)	200	200	<100	<100
METHOD 504.1 (Sample collected on 11/21/2002)				
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.2	<0.020	<0.020
1,2-Dibromoethane (EDB)	0.05	0.05	<0.010	<0.010
METHOD 508 (Sample collected on 11/21/2002)				
Aldrin	NE	NE	<0.02	<0.02
Aroclor 1016 (PCB)	0.5	0.5	<0.08	<0.08
Aroclor 1221 (PCB)	0.5	0.5	<0.10	<0.10
Aroclor 1232 (PCB)	0.5	0.5	<0.10	<0.10
Aroclor 1242 (PCB)	0.5	0.5	<0.10	<0.10
Aroclor 1248 (PCB)	0.5	0.5	<0.10	<0.10
Aroclor 1254 (PCB)	0.5	0.5	<0.10	<0.10
Aroclor 1260 (PCB)	0.5	0.5	<0.10	<0.10
Chlordane, Total	2.0	2.0	<0.10	<0.10
Dieldrin	NE	NE	<0.02	<0.02
Endrin	2.0	2.0	<0.01	<0.01
Heptachlor	0.4	0.4	<0.03	<0.03
Heptachlor Epoxide	0.2	0.2	<0.02	<0.02
Hexachlorobenzene	1.0	1.0	<0.10	<0.10
Hexachlorocyclopentadiene	50	50	<0.10	<0.10
Lindane	0.2	0.2	<0.02	<0.02
Methoxychlor	40	40	<0.03	<0.03
Propachlor	NE	NE	<0.05	<0.05
Toxaphene	3.0	3.0	<0.10	<0.10
METHOD 515.3 (Sample collected on 11/21/2002)				
2,4-D (2,4-Dichlorophenoxyacetic acid)	70	70	<0.10	<0.10
Dalapon	200	200	<1.0	<1.0
Dicamba	NE	NE	<0.5	<0.5
Dinoseb	7.0	7.0	<0.20	<0.20
Pentachlorophenol	1.0	1.0	<0.04	<0.04
Picloram	500	500	<0.10	<0.10
2,4,5-TP (Silvex)	50	50	<0.20	<0.20

TABLE 12
MCL/AWQS SAMPLING RESULTS FOR WELLS WR-178A AND BP-2
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Analyte Name	MCL (µg/L)	AWQS (µg/L)	Sample ID	
			WR-178A	BP-2
			Results (µg/L)	
METHOD 525.2 (Sample collected on 3/19/2003)				
Alachlor	2.0	2.0	<0.20	<0.20
Atrazine	3.0	3.0	<0.10	<0.10
Benzo(a)pyrene	0.2	0.2	<0.02	<0.02
Butachlor	NE	NE	<2.0	<2.0
Bis(2-ethylhexyl)adipate	400	400	<0.60	<0.60
Bis(2-ethylhexyl)phthalate	6.0	6.0	5.2	2.5
Metolachlor	NE	NE	<5.0	<5.0
Metribuzin	NE	NE	<2.0	<2.0
Simazine	4.0	4.0	<0.07	0.08
2,4-Dinitrotoluene	NE	NE	<2.0	<2.0
2,6-Dinitrotoluene	NE	NE	<2.0	<2.0
EPTC	NE	NE	<1.0	<1.0
Molinate	NE	NE	<0.50	<0.50
Terbacil	NE	NE	<2.0	<2.0
Hexachlorobenzene	1.0	1.0	<0.10	<0.10
Hexachlorocyclopentadiene	50	50	<0.10	<0.10
Propachlor	NE	NE	<4.0	<4.0
METHOD 531.1 (Sample collected on 11/21/2002)				
3-Hydroxycarbofuran	NE	NE	<1.5	<1.5
Aldicarb	3.0	NE	<0.5	<0.5
Aldicarb Sulfone	2.0	NE	<0.8	<0.8
Aldicarb Sulfoxide	4.0	NE	<0.5	<0.5
Carbaryl	NE	NE	<1.0	<1.0
Carbofuran	40	40	<0.8	<0.8
Methomyl	NE	NE	<2.0	<2.0
Oxamyl	200	200	<2.0	<2.0
METHOD 547 (Sample collected on 11/21/2002)				
Glyphosate	700	700	<6.0	<6.0
METHOD 548.1 (Sample collected on 11/21/2002)				
Endothall	100	100	<5.0	<5.0
METHOD 549.2 (Sample collected on 11/21/2002)				
Diquat	20	20	<0.4	<0.4
METHOD 1613B (Sample collected on 11/21/2002)				
2,3,7,8-TCDD (Dioxin)	3.E-05	3.E-05	<4.E-07	2.9E-06
METHOD 4500FC (Sample collected on 11/21/2002)				
Fluoride	4000	4000	240	190
METHOD 8260B (Sample collected on 11/21/2002)				
1,1,1,2-Tetrachloroethane	NE	NE	<0.50	<0.50
1,1,1-Trichloroethane	200	200	<0.50	<0.50
1,1,2,2-Tetrachloroethane	NE	NE	<0.50	<0.50
1,1,2-Trichloroethane	5.0	5.0	<0.50	<0.50
1,1-Dichloroethane	NE	NE	<0.50	<0.50
1,1-Dichloroethylene	7.0	7.0	<0.50	<0.50
1,1-Dichloropropene	NE	NE	<0.50	<0.50
1,2,3-Trichloropropane	NE	NE	<1.0	<1.0
1,2,4-Trichlorobenzene	70	70	<2.0	<2.0
1,2-Dichlorobenzene	600	600	<0.50	<0.50
1,2-Dichloroethane	5.0	5.0	<0.50	<0.50
1,2-Dichloropropane	5.0	5.0	<0.50	<0.50
1,3-Dichlorobenzene	NE	NE	<0.50	<0.50
1,3-Dichloropropane	NE	NE	<0.50	<0.50

TABLE 12
MCL/AWQS SAMPLING RESULTS FOR WELLS WR-178A AND BP-2
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Analyte Name	MCL (µg/L)	AWQS (µg/L)	Sample ID	
			WR-178A	BP-2
			Results (µg/L)	
1,4-Dichlorobenzene	75	75	<0.50	<0.50
2,2-Dichloropropane	NE	NE	<0.50	<0.50
2-Chlorotoluene	NE	NE	<0.50	<0.50
Benzene	5.0	5.0	<0.50	<0.50
Bromobenzene	NE	NE	<0.50	<0.50
Bromodichloromethane	NE	NE	<0.50	<0.50
Bromoform (Tribromomethane)	NE	NE	<2.0	<2.0
Bromomethane	NE	NE	<1.0	<1.0
Carbon Tetrachloride	5.0	5.0	<0.50	<0.50
Chlorobenzene	100	100	<0.50	<0.50
Chloroethane	NE	NE	<1.0	<1.0
Chloroform (Trichloromethane)	NE	NE	<0.50	<0.50
Chloromethane	NE	NE	<1.0	<1.0
cis-1,2-Dichloroethylene	70	70	<0.50	<0.50
cis-1,3-Dichloropropene	NE	NE	<2.0	<2.0
Dibromochloromethane	NE	NE	<0.50	<0.50
Dibromomethane	NE	NE	<0.50	<0.50
Dichloromethane (Methylene Chloride)	5.0	5.0	<1.0	<1.0
Ethylbenzene	700	700	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	NE	NE	<0.50	<0.50
Styrene	100	100	<0.50	<0.50
Tetrachloroethylene	5.0	5.0	2.1	**10.0**
Toluene	1000	1000	<0.50	<0.50
trans-1,2-Dichloroethylene	100	100	<0.50	<0.50
trans-1,3-Dichloropropene	NE	NE	<2.0	<2.0
Trichloroethylene	5.0	5.0	<0.50	0.6
Vinyl chloride	2.0	2.0	<0.50	<0.50
Xylenes, Total	10000	10000	<1.5	<1.5
Trihalomethane (THMs, Total)	100 (1)	100 (1)	<3.5 (1)	<3.5 (1)
METHOD 8260B (Modified) (Sample collected on 11/21/2002)				
1,4-Dioxane	NE	NE	<1.0	<1.0

Notes:
MCL = EPA Maximum contaminant level for Safe Drinking Water Act compounds.
AWQS = Arizona Department of Environmental Quality Aquifer Water Quality Standard.
µg/L = Micrograms per liter.
NE = Not established.
Bold = Result exceeds AWQS and MCL
(1) (THMs, Total) is the summation of: Bromodichloromethane, Bromoform (Tribromomethane), Chloroform (Trichloromethane), and Dibromochloromethane

TABLE 13
HISTORICAL SUMMARY OF GROUNDWATER QUALITY DATA
SELECTED VOLATILE ORGANIC COMPOUNDS
WCS WELLS C-026B, R-090A, R-091A, AND R-092A
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sample Date	Constituent Concentration (µg/L)								Notes (see below)
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane	
Aquifer Water Quality Standards		**5.0**	**5.0**	**2.0**	**5.0**	**70**	**5.0**	**100**	**NE**	
C-026B	3/19/2002	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3
	3/22/2002	2.6	<2.0	<5.0	<2.0	<2.0	<5.0	<2.0	<5.0	2
	11/26/2002	0.71	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.5	17
	3/31/2003	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	1
	5/23/2003	2.2	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.6	1
	12/3/2003	3.5	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	18
	3/29/2004	3.1	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	18
	5/12/2004	3.3	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	18
	8/24/2004	3.2	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	18
	11/17/2004	4.5	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	18
R-090A	4/17/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	6
	4/18/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	5
	4/22/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	4
	4/23/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	4
	11/25/2002	<0.50	0.85	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19
R-091A	4/10/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	6
	4/11/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	5
	4/12/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	4
	4/13/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	4
	11/25/2002	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19
R-092A	3/20/2002	**10**	1.6	<0.50	<0.50	0.76	<3.0	<0.50	1.4	6
	3/20/2002	**12**	1.6	<0.50	0.55	0.77	<3.0	<0.50	1.2	6
	3/28/2002	**5.6**	0.8	<0.50	<0.50	<0.50	<3.0	<0.50	1.1	6
	3/29/2002	**7.4**	1.1	<0.50	<0.50	<0.50	<3.0	<0.50	1.8	6
	4/2/2002	**12**	2.3	<0.50	1.0	1.4	<3.0	<0.50	2.7	16
	4/2/2002	**5.8**	1.7	<0.50	<0.50	1.2	<3.0	<0.50	1.1	15
	4/2/2002	4.6	1.5	<0.50	1.0	1.2	<3.0	<0.50	0.93	14
	4/2/2002	**6.0**	1.7	<0.50	1.0	1.2	<3.0	<0.50	1.3	13
	4/2/2002	4.7	1.6	<0.50	<0.50	1.2	<3.0	<0.50	0.87	12
	4/2/2002	**6.8**	1.8	<0.50	<0.50	1.3	<3.0	<0.50	1.7	11
	4/2/2002	**7.0**	1.8	<0.50	1.0	1.3	<3.0	<0.50	1.8	11
	4/3/2002	**6.6**	1.8	<0.50	1.0	1.3	<3.0	<0.50	1.9	11
	4/4/2002	1.9	<0.50	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	10
	11/26/2002	4.9	0.53	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	20
	11/26/2002	**5.1**	0.57	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	21
	11/26/2002	**6.3**	0.72	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	22
	2/19/2003	**9.2**	1.1	<0.50	<0.50	<0.50	<3.0	<0.50	<2.0	1

TABLE 13
HISTORICAL SUMMARY OF GROUNDWATER QUALITY DATA
SELECTED VOLATILE ORGANIC COMPOUNDS
WCS WELLS C-026B, R-090A, R-091A, AND R-092A
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Sample Date	Constituent Concentration (µg/L)								Notes (see below)
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl chloride	Benzene	cis-1,2-Dichloroethene	Methylene chloride	trans-1,2-Dichloroethene	Dichlorodifluoromethane	
Aquifer Water Quality Standards		**5.0**	**5.0**	**2.0**	**5.0**	**70**	**5.0**	**100**	**NE**	
R-092A (cont'd)	3/20/2003	1.9	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	20
	3/20/2003	4.0	0.52	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	21
	3/20/2003	3.7	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	22
	3/31/2003	**8.7**	1.1	<0.5	<0.5	<0.5	<3.0	<0.5	2.1	1
	5/21/2003	**15.0**	1.3	<0.50	<0.50	<0.50	<1.0	<0.50	1.2	9
	5/21/2003	**16.0**	1.3	<0.50	<0.50	<0.50	<1.0	<0.50	1.1	8
	5/21/2003	**16.0**	1.3	<0.50	<0.50	<0.50	<1.0	<0.50	1.2	7
	5/23/2003	**6.5**	0.7	<0.50	<0.50	<0.50	<1.0	<0.50	0.9	1
	12/3/2003	4.9	0.58	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	18
	12/3/2003	**9.9**	0.93	<0.50	<0.50	<0.50	<3.0	<0.50	<0.50	21
	3/29/2004	3.5	<0.50	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	18
	3/30/2004	**5.1**	0.59	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	21
	5/13/2004	3.9	<0.50	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	18
	8/24/2004	3.0	<0.50	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	18
	11/16/2004	3.8	<0.50	<0.5	<0.5	<0.5	<3.0	<0.5	<2.0	18

Notes:

µg/L = Micrograms per liter or parts per billion.
BOLD = Equals or exceeds Aquifer Water Quality Standards for noted constituent.
1 Sample collected from sampling spigot while well is pumping
2 After 4 25 hours of pumping during step-test (URS, 2002a)
3 Pretest sample (URS, 2002a)
4 Sample collected while well was pumping (URS, 2002a)
5 Sample collected during step-test (URS, 2002a)
6 Sample collected while developing well (URS, 2002a)
7 Sample collected using discrete interval sampler at approximately 375 feet below land surface while well was pumping
8 Sample collected using discrete interval sampler at approximately 430 feet below land surface while well was pumping
9 Sample collected using discrete interval sampler at approximately 485 feet below land surface while well was pumping
10 Sample collected at one minute after startup following a 24-hour recovery period (URS, 2002a)
11 Sample collected at well-head during 24-hour constant-rate pumping test (URS, 2002a)
12 Sample collected using discrete interval sampler at 440 feet below land surface during 24-hour constant-rate pumping test (URS, 2002a)
13 Sample collected using discrete interval sampler at 460 feet below land surface during 24-hour constant-rate pumping test (URS, 2002a)
14 Sample collected using discrete interval sampler at 480 feet below land surface during 24-hour constant-rate pumping test (URS, 2002a)
15 Sampled by discrete interval sampler at 420 feet below land surface during 24-hour constant-rate pumping test (URS, 2002a)
16 Sampled by disposable bailer at 380 feet below land surface during 24-hour constant-rate pumping test (URS, 2002a)
17 Sampled by discrete interval sampler at depth of 93 feet below the water table (SECOR, 2005b)
18 Sampled at the well head from a dedicated submersible pump while the well was pumping (SECOR, 2005b)
19 Sampled by discrete interval sampler at depths of 53 feet below water table, or BWT (R-090A) or 60 feet BWT (R-091A) (SECOR, 2005b)
20 Sampled by discrete interval sampler at depth of 5 feet BWT (SECOR, 2005b)
21 Sampled by discrete interval sampler at depth of 50 feet BWT (SECOR, 2005b)
22 Sampled by discrete interval sampler at depths of 142 feet BWT (on 11/26/2002) and 147 feet BWT (on 3/20/2003)

TABLE 14
SUMMARY OF TEMPERATURE AND FLOVISION™ SURVEYS
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Well ID	Survey Date	Depth to Water (feet)	Groundwater Elevation (feet amsl)	Closest Extraction Well			Closest Injection Well			Temperature Log		Maximum Measurable Vertical Flow			
				ID	Distance (feet)	Pumping Rate (gpm)	ID	Distance (feet)	Injection Rate (gpm)	Indicated	Depth Interval (feet)	Depth (feet)	Velocity (ft/min)	Volume (gpm)	Direction
BP-2	5/13/2003	329.45	2211.04	C-026B	250	400	R-090A	1,425	560	Yes	330-440	390	2.50	2.30	Down
BP-4	5/13/2003	327.26	2220.05	C-026B	1,175	720	R-090A	425	560	Yes	330-400	338-343 380-410	0.25 (1)	0.23 (1)	Down
BP-10	5/14/2003	356.21	2238.72	R-092A	7,275	0 (2)	R-090A	8,850	200	Yes	360-450	370	0.30 (1, 3)	0.28 (1, 3)	Down
C-026A	5/13/2003	330.29	2209.50	C-026B	32	400	R-090A	1,525	560	Yes	332-470	360	0.75	3.06	Down
D-022A	5/14/2003	343.21	2235.61	R-092A	6,150	720	R-090A	7,800	560	Yes	340-390	340-440	0.00	0.00	NA
WR-178A	5/13/2003	342.80	2215.48	R-092A	425	720	R-090A	1,925	560	Yes	343-390	343-445	0.00	0.00	NA
WR-181A	5/14/2003	312.29	2236.53	R-092A	7,425	720	R-090A	9,000	560	No	312-440	312-400	0.00	0.00	NA

Notes:

Temperature and FloVision surveys conducted by Mr. Zbigniew Bobinski, Welenco, Inc., located in Bakersfield, California. Mr. Bobinski is the inventor of FloVision.
amsl = Above mean sea level
gpm = Gallons per minute
ft/min = Feet per minute
(1) Flow rates are too low to be quantified. Velocity and volume are estimated by Welenco, Inc.
(2) After completing the Temperature survey, extraction well R-092A was shut down. FloVision survey was run two to three hours later with R-092A not operating.
(3) Welenco, Inc. believes there is a probability (judging from the Temperature survey) that FloVision would show higher flow rates if R-092A was operating.
NA = Not applicable

TABLE 15
CRITERIA FOR RANKING CONTAMINANTS OF CONCERN
CONCEPTUAL SITE MODEL
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Class	Mobility Factors					Persistence Factors
	Groundwater			Volatilization		
	Water Solubility (mg/L)[1]	Log K_{ow}[2]	K_{oc}[3]	Vapor Pressure (mm Hg)[4]	Henry's Law Coefficient (atm-m^3/mol)[5]	Water Half-Life (days)[6]
Low	<10	>3.0	>500	<1.0E-7	<3.0E-7	<30
Medium	10 to 1,000	2.7 to 3.0	50 to 500	1.0E-7 to 0.01	3.0E-7 to 0.001	30 to 90
High	>1,000	<2.7	<50	>0.01	>0.001	>90

Notes:

(1) Solubility classes from Ney, 1991 (in milligrams per liter [mg/L] at 20 to 25°C).
(2) Log K_{ow} classes from Ney, 1991.
(3) K_{oc} classes from Dragun, 1988.
(4) Vapor pressure classes from Dragun, 1988 (in millimeters of mercury [mm Hg]).
(5) Henry's Law Coefficient classes from Lyman et at., 1982 (in atmospheres-cubic meters per mole [atm-m^3/mol]).
(6) Water half-life classes from Ney, 1990 (in days).

TABLE 16
SUMMARY OF CHEMICAL PROPERTIES AND RANKINGS
CONCEPTUAL SITE MODEL
REMEDIAL INVESTIGATION REPORT
BROADWAY-PANTANO WQARF SITE
TUCSON, ARIZONA

Chemical of Concern	CAS Number	Specific Density (g/ml)	Water Solubility (mg/L)	Log Kow	Koc (ml/g @20oC)	Mobility Ranking	Vapor Pressure (mmHg@25°C)	Henry's Law COEFF (atm-m3/mol)	Volatilization Ranking	Water Half-Life (1) (days)	Persistence Ranking
PCE	127-18-4	1.63	150	3.14	359	Low to Medium	14	0.0153	High	360-730	High
TCE	79-01-6	1.46	1,100	2.42	137	Medium to High	57.8	0.0091	High	321-1643	High
cis-1,2-DCE	540-59-0	1.28	3,500	1.80	80.2	Medium to High	200	0.0037	High	56-140	Medium to High
Vinyl Chloride	75-01-4	0.91	2,670	2.09	2.45	High	2,580	1.2200	High	12	Low
MeCl	75-09-2	1.33	13,000	1.30	48	High	440	0.0027	High	60 to 540	Medium to High

Notes:

(1) Water Half-Life from Mackay, et al, 1992. Biodegradation (aerobic) water half-life for groundwater is listed.