

TABLE A3. Anion Data

Inflow Anions								Drain Anions							
Date	Time	Cl	SO4	Br	NO3	F	PO4	Date	Time	Cl	SO4	Br	NO3	F	PO4
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
3/3/2000	1500	33.75	97.16	x	x	0.48	0.02	3/3/2000	1500	421.45	591.19	x	x	0.73	0.02
3/11/2000		34.87	85.40	0.13	6.69	0.47	x	3/11/2000		408.14	574.05	0.35	0.29	0.70	0.02
3/18/2000		23.73	71.08	0.09	x	0.44	x	3/18/2000		368.01	544.53	0.30	0.13	0.67	0.02
3/25/2000	1400	51.03	108.96	0.12	14.52	0.46	0.05	3/25/2000	1400	370.99	549.18	0.36	3.55	0.61	0.02
4/1/2000	1605	25.62	85.29	0.16	x	x	x	4/2/2000	1600	414.50	592.82	0.27	0.06	0.68	x
4/8/2000	900	71.44	171.00	0.15	x	0.54	0.14								
4/8/2000	1210	38.57	135.59	0.12	0.94	0.53	x								
4/8/2000	1510	32.71	122.49	x	x	x	x								
4/8/2000	1805	29.32	104.32	0.11	0.62	0.52	0.06	4/8/2000	1920	249.70	457.95	x	x	x	x
4/8/2000	2125	29.95	105.34	0.09	0.01	0.50	0.22								
4/9/2000	0	30.26	106.46	0.15	1.57	0.52	0.03								
4/9/2000	300	30.07	107.48	0.11	0.20	0.51	x								
4/9/2000	600	30.83	108.96	0.13	0.03	0.52	0.03								
4/9/2000	900	30.18	103.19	0.11	0.02	0.52	x								
4/17/2000	1500	32.86	104.87	0.18	0.01	0.46	0.02	4/17/2000	1630	301.89	455.81	0.26	0.50	0.56	0.02
4/23/2000	1530	32.67	105.02	0.11	0.65	0.46	0.02								
4/30/2000		33.20	101.95	x	x	x	x	4/30/2000		256.10	456.00	x	x	x	x
5/6/2000	1700	35.78	119.63	x	x	x	x	5/6/2000	1600	x	x	x	x	x	x
5/14/2000	1300	28.92	102.65	0.12	0.11	0.45	0.09	5/14/2000	1300	422.00	595.79	0.31	0.05	0.68	x
5/20/2000	1600	30.23	110.55	x	x	x	x	5/20/2000	1500	150.90	543.30	x	x	x	x
5/27/2000	1420	415.48	598.92	0.34	0.02	0.72	0.02	5/27/2000	1930	34.62	112.42	0.13	0.90	0.47	0.02
6/3/2000	1105	32.95	134.05	x	x	x	x	6/3/2000	1200	296.90	559.40	x	x	x	x
6/10/2000	1230	22.27	101.40	0.04	0.22	0.42	0.02	6/10/2000	1230	404.38	586.35	0.25	0.49	0.76	x
6/17/2000	1840	x	x	x	x	x	x	6/17/2000	1900	290.70	540.25	x	x	x	x
6/24/2000	1000	38.09	116.05	0.10	x	0.45	0.02	6/24/2000	1100	379.15	548.68	0.28	0.01	0.71	x
7/2/2000	1500	21.37	88.83	x	x	x	x	7/2/2000	1500	x	x	x	x	x	x
7/8/2000	1130	33.94	139.25	0.07	x	0.43	x	7/8/2000	1150	328.59	504.32	0.21	0.27	0.73	0.02
7/15/2000	1300	20.38	91.15	x	x	x	x	7/15/2000	1300	292.20	561.35	x	x	x	x
7/22/2000	1545	21.06	92.73	0.03	0.02	0.40	0.02	7/22/2000	1545	439.27	439.27	0.27	0.27	0.67	0.02
7/29/2000	1700	22.45	92.30	x	x	x	x	7/29/2000	1700	270.25	537.95	x	x	x	x
8/5/2000	1100	23.71	98.86	0.03	0.01	0.42	x	8/5/2000	1100	403.29	577.83	0.30	x	0.70	x
8/12/2000	1900	20.58	89.94	x	x	x	x	8/12/2000	1900	273.25	525.50	x	x	x	x
8/20/2000	1100	20.74	89.61	0.04	x	0.40	0.02	8/20/2000	1100	431.82	601.61	0.28	0.03	0.59	0.03

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Date	Time	Cl	SO4	Br	NO3	F	PO4	Date	Time	Cl	SO4	Br	NO3	F	PO4
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
8/26/2000	1000	23.25	96.05	x	x	x	x	8/26/2000	1000	299.00	666.36	x	x	x	x
9/2/2000	1000	21.09	92.91	x	0.01	0.40	0.02	9/2/2000	1000	399.62	578.98	0.32	0.58	0.72	x
9/10/2000	900	27.41	116.94	x	x	x	x	9/10/2000		321.10	653.80	x	x	x	x
9/17/2000	1045	22.32	95.32	0.05	1.06	0.43	0.02	9/17/2000	1045	411.50	590.68	0.31	0.43	0.68	0.03
9/23/2000	930	27.76	106.15	0.07	x	0.42	x	9/23/2000	930	25.52	102.36	0.04	0.02	0.44	0.02
9/29/2000	600	x	x	x	x	x	x	9/29/2000	1830	x	x	x	x	x	x
9/30/2000	0	40.08	111.70	0.11	x	0.49	0.03	9/30/2000	0	300.00	660.00	x	x	x	x
9/30/2000	700	x	x	x	x	x	x	9/30/2000	700	370.02	541.53	0.33	1.72	0.64	0.02
9/30/2000	1200	38.96	121.13	x	x	x	x	9/30/2000	1200	x	x	x	x	x	x
9/30/2000	1700	x	x	x	x	x	x	9/30/2000	1730	x	x	x	x	x	x
10/7/2000	1200	x	x	x	x	x	x	10/7/2000		x	x	x	x	x	x
10/14/2000	1000	36.17	121.93	x	x	x	x	10/14/2000		296.40	582.95	x	x	x	x
10/21/2000		35.61	110.61	x	x	x	x	10/21/2000		x	x	x	x	x	x
10/28/2000	1100	44.54	148.45	0.09	2.79	0.48	x	10/28/2000	1100	340.23	518.99	0.30	10.53	0.72	0.02
11/4/2000	900	23.97	64.23	0.05	1.70	0.26	0.45	11/4/2000	900	182.70	297.30	0.16	6.23	0.38	x
11/11/2000		25.29	61.78	0.02	1.66	0.23	0.12	11/11/2000		149.08	236.77	0.13	4.03	0.31	0.02
11/18/2000		36.31	83.01	0.05	1.76	0.33	0.04	11/18/2000		329.35	488.22	0.32	9.40	0.66	0.01
11/26/2000		40.72	95.71	0.09	2.52	0.41	0.07	11/26/2000		351.77	513.80	0.30	9.58	0.70	0.03
12/2/2000		46.25	111.29	0.11	1.47	0.45	0.15	12/2/2000		354.56	517.21	0.23	8.87	0.68	0.01
12/9/2000		48.45	107.70	0.14	1.47	0.47	0.05	12/9/2000		385.02	553.93	0.33	11.98	0.70	0.03
12/16/2000	1500	42.56	103.67	0.10	1.29	0.46	0.03	12/16/2000	1500	388.61	558.00	0.33	8.17	0.70	0.02
12/22/2000	1600	41.40	102.27	0.13	1.75	0.47	0.02	12/22/2000	1600	388.58	559.71	0.25	7.93	0.70	x
12/30/2000	1300	47.79	106.50	0.07	1.51	0.47	0.02	12/30/2000	1300	185.01	276.10	0.10	2.68	0.32	x
1/6/2001	1400	43.11	100.90	0.09	1.44	0.49	0.03	1/6/2001	1400	327.81	470.91	0.25	4.43	0.58	0.03
1/13/2001	1600	68.98	141.94	0.14	0.95	0.49	0.03	1/13/2001	1600	350.10	500.36	0.35	4.51	0.63	x
1/20/2001	1500	49.15	107.45	0.11	2.09	0.49	x	1/20/2001	1500	398.22	565.59	0.33	5.49	0.71	0.03
1/29/2001	1400	58.39	126.02	0.10	1.91	0.48	x	1/29/2001	1400	364.23	513.76	0.32	4.84	0.62	x
2/3/2001	1400	104.22	181.99	0.17	1.58	0.51	x	2/3/2001	1400	378.72	532.96	0.32	4.19	0.62	0.03
2/11/2001	400	68.15	140.97	0.14	x	0.51	0.28	2/11/2001	400	392.21	548.56	0.29	4.55	0.64	x
2/17/2001	1500	65.74	123.68	0.14	0.03	0.45	0.02	2/17/2001	1500	402.58	564.64	0.31	4.02	0.69	x
2/25/2001	1700	70.31	120.58	0.21	4.80	0.40	<0.5	2/25/2001	1700	x	x	x	x	x	x
3/4/2001	1600	38.76	92.48	0.10	0.42	0.38	x	3/4/2001	1600	x	x	x	x	x	x
3/10/2001	1500	51.92	125.95	0.10	2.97	0.39	0.03	3/10/2001	1500	x	x	x	x	x	x

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3/17/2001	1400	36.00	95.87	0.08	5.42	0.37	0.08	3/17/2001	1400	x	x	x	x	x	x
3/24/2001	1600	34.72	97.48	0.06	2.23	0.44	x	3/24/2001	1600	x	x	x	x	x	x
3/31/2001	1500	45.21	100.40	0.18	x	0.40	0.17	3/31/2001	1500	x	x	x	x	x	x
4/7/2001	1600	35.13	85.69	0.10	0.63	0.36	x	4/7/2001	1600	x	x	x	x	x	x
4/14/2001	1600	35.49	98.27	0.11	2.00	0.37	x	4/14/2001	1600	x	x	x	x	x	x
4/22/2001	1600	30.09	89.34	0.11	x	0.38	x	4/22/2001	1600	x	x	x	x	x	x
4/28/2001	1400	25.86	86.63	0.04	x	0.36	x	4/28/2001	1400	x	x	x	x	x	x
5/6/2001	1400	22.49	78.68	0.07	2.60	0.32	0.06	5/6/2001	1400	x	x	x	x	x	x
5/12/2001	1400	21.82	76.29	0.09	1.24	0.29	x	5/12/2001	1400	x	x	x	x	x	x
5/19/2001	100	20.55	77.59	0.09	0.05	0.31	x	5/19/2001	100	x	x	x	x	x	x
5/19/2001	700	19.38	72.04	0.04	x	0.29	x	5/19/2001	700	x	x	x	x	x	x
5/19/2001	1300	26.65	79.64	0.09	0.05	0.31	x	5/19/2001	1300	x	x	x	x	x	x
5/19/2001	1900	26.52	80.29	0.07	2.31	1.00	x	5/19/2001	1900	x	x	x	x	x	x
5/26/2001	1100	22.44	72.98	0.06	x	0.31	x	5/26/2001	1100	x	x	x	x	x	x
6/2/2001	1700	19.63	70.64	0.08	x	0.28	x	6/2/2001	1700	x	x	x	x	x	x
6/9/2001	900	22.19	73.35	0.09	3.09	0.28	x	6/9/2001	900	x	x	x	x	x	x

Note: Blank Cells indicate that no sample was taken. An "x" indicates that data results are incomplete.