Appendix B

Summary of locational data for snap-shot and fixed ground-water monitoring locations.

Table B.1. Latitude and longitude for sampling points within the Industri-Plex Site and GSIP Study Area. Data was collected using a Trimble GPS according to USEPA Region 1 SOP and are referenced to NAD83.

Location ID	Latitude (North)			Longitude (West)		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
A01	42	31	15.364	71	8	40.007
A02	42	31	14.581	71	8	39.961
A03	42	31	10.659	71	8	37.343
A04	42	31	10.724	71	8	38.676
A05	42	31	10.873	71	8	40.078
A06	42	31	11.013	71	8	41.343
A07	42	31	11.225	71	8	42.751
A08	42	30	47.078	71	8	22.526
A09	42	30	49.736	71	8	30.642
A10	42	30	48.699	71	8	28.078
A11	42	30	48.435	71	8	27.032
A12	42	30	49.188	71	8	28.574
A13	42	30	47.775	71	8	25.175
A14	42	30	54.093	71	8	30.937
A15	42	30	49.732	71	8	31.876
A16	42	30	45.771	71	8	25.942
A17	42	30	47.046	71	8	26.491
A18	42	30	46.132	71	8	29.666
A19	42	30	43.261	71	8	27.943
A20	NM					
A21	42	31	4.331	71	8	20.650
A22	42	31	10.765	71	8	35.631
A23	42	31	10.899	71	8	34.783
TW01	NM					
TW02	42	30	48.537	71	8	28.605
TW03	42	30	48.991	71	8	30.033
TW04	42	30	48.456	71	8	29.399
TW05	NM					
TW06	42	30	49.736	71	8	30.642
TW07	42	30	49.188	71	8	28.574
TW08	42	30	47.046	71	8	26.491
TW10	42	30	54.093	71	8	30.937
TW11	NM					
TW12	NM					
TW13	NM					

Table B.2. Northing and easting positional data for sampling points within the Industri-Plex Site and GSIP Study Area (UTM Z19 NAD83).

Location ID	Northing (meters)	Easting (meters)
A01	4709850	323854.3
A02	4709820	323854.7
A03	4709700	323911.4
A04	4709700	323881.0
A05	4709710	323849.2
A06	4709710	323820.4
A07	4709720	323788.5
A08	4708960	324231.1
A09	4709050	324048.0
A10	4709020	324105.7
A11	4709010	324129.4
A12	4709030	324094.8
A13	4708990	324171.2
A14	4709180	324044.7
A15	4709050	324019.8
A16	4708930	324152.2
A17	4708960	324140.6
A18	4708940	324067.5
A19	4708850	324104.5
A20	NM	NM
A21	4709494.549	324287.3875
A22	4709701.65	323950.5582
A23	4709705.294	323970.0125
TW01 [1]	4708947.11	324144.871
TW02	4709011.95	324093.554
TW03	4709026.78	324061.32
TW04	4709009.91	324075.371
TW05 [1]	4708909.61	324152.671
TW06	4709050.11	324048.003
TW07	4709032.01	324094.769
TW08	4708967.74	324140.634
TW10	4709180	324044.7
TW11	NM	NM
TW12	NM	NM
TW13	NM	NM

[1] Position for TW01 estimated based on distance from TW08. Position for TW05 estimated based on distance from A16 sampling location.

Appendix C

Summary of geochemical parameters for ground water and surface water sampling performed within the Industri-Plex Superfund Site and the GSIP Study Area.

Table C. 1. Summary of field geochemical data collected during snap-shot ground water sampling on October 13-21, 1999 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: ft bgs = feet below ground surface, COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
A01-1	10/14/99	32.75	NM	NM	NM	3470	6.62	-140.0	NM	NM	>1000	NM	NM
A01-2	10/15/99	41.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
A02-1	10/14/99	12.00	2.25	14.08	NM	2870	6.70	-119.1	0.29	>0.04, <1	77.0	16.40	1035
A03-1	10/15/99	9.00	1.00	22.00	NM	2090	6.61	-39.5	0.55	0.30	78.0	2.91	273
A03-2	10/15/99	19.00	11.00	22.00	NM	818	6.66	-55.7	0.36	0.30	43.0	2.93	159
A04-1	10/15/99	15.00	5.29	32.50	NM	1345	6.92	-140.1	0.14	0.04	40.0	2.14	431
A04-2	10/15/99	24.75	15.04	32.50	NM	NM	NM	NM	NM	NM	NM	5.35	NM
A04-3	10/15/99	32.50	22.79	32.50	NM	NM	NM	NM	NM	NM	NM	2.27	233
A05-1	10/15/99	8.50	NM	8.50	NM	1330	6.72	-137.2	0.14	NM	5.1	2.54	452
A06-1	10/18/99	15.50	NM	27.50	NM	2270	7.27	-148.1	0.2	0.10, 0.04	20.9	1.69	738
A06-2	10/18/99	25.50	NM	27.50	NM	1656	6.26	-7.1	0.19	0.20	101.0	1.16	409
A07-1	10/18/99	13.50	NM	NM	NM	854	6.03	14.4	0.58	0.04	7.0	1.73	194
A07-2	10/18/99	23.50	NM	NM	NM	974	6.39	-83.7	0.63	NM	201.0	1.49	148
A08-1	10/19/99	9.00	3.42	64.00	7.50	296	6.72	-33.6	0.53	0.40	2.9	2.89	79
A08-2	10/19/99	19.00	13.42	64.00	8.10	730	6.57	-47.3	0.92	0.02	75.3	1.75	240
A08-3	10/19/99	39.00	33.42	64.00	NM	5560	7.07	-116.5	--	NM	>1000	8.55[1]	1500
A09-1	10/19/99	12.50	2.83	47.08	NM	308	6.14	40.3	0.34	0.30	6.5	0.84	43
A09-2	10/19/99	22.50	12.83	47.08	11.40	NM	NM	NM	NM	NM	NM	2.55[1]	184
A09-3	10/19/99	43.00	33.33	47.08	NM	NM	NM	NM	NM	NM	NM	NM	NM
A10-1	10/20/99	10.00	NM	NM	NM	1673	6.46	-107.0	0.2	0.10	2.1	1.30	375
A10-2	10/20/99	20.00	NM	NM	11.10	5250	7.14	-195.0	0.34	0.35	7.3	1.93	144
A10-3	10/20/99	30.00	NM	NM	11.60	13220	7.51	-260.0	0.05	0.35	8.9	1.56	6460
A11-1	10/20/99	10.50	1.67	NM	NM	1046	6.68	-76.7	0.25	0.40	2.5	1.43	302
A11-2	10/20/99	20.50	11.67	NM	NM	11620	7.80	-155.4	0.19	0.10	50.0	0.41	6350
A11-3	10/20/99	30.50	21.67	NM	NM	11220	7.79	-73.8	0.06	0.50	46.1	1.48	2100
A12-1	10/20/99	12.00	4.70	NM	12.80	1456	6.19	-34.0	0	0.15	27.7	1.99	236
A12-2	10/21/99	22.00	14.70	NM	11.90	3310	6.37	-116.0	0.13	0.15	195.0	126.00	404
A12-3	10/21/99	32.00	24.70	NM	12.60	3590	6.58	-102.0	0.02	0.10	52.3	15.10	456
A13-1	10/20/99	7.50	1.08	45.00	NM	242	6.88	-18.5	0.42	0.15	9.6	1.24	65
A13-2	10/20/99	17.50	11.08	45.00	NM	21500	8.04	-237.4	0.04	0.10	181.0	0.80	12080
A13-3	10/20/99	34.50	28.08	45.00	NM	NM	NM	NM	NM	NM	NM	NM	NM
A13-4	10/20/99	45.00	38.58	45.00	NM	NM	NM	NM	NM	NM	NM	NM	NM

[1] Filtered through 0.45 µm pore size membrane filter.

Table C.2. Summary of field geochemical data collected during snap-shot ground water sampling on November 30 – December 3, 1999 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: ft bgs = feet below ground surface, COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
A14-1	11/30/99	10.00	0.71	NM	5.2	524	5.56	1.9	0.39	0.15	2.9	8.75	130
A14-2	11/30/99	15.00	5.71	NM	6.4	1414	6.40	-0.4	1.44	0.05	40.3	32.76	206
A14-3	11/30/99	30.00	20.71	NM	NM	NM	NM	NM	NM	NM	NM	49.25	292
A15-1[1]	11/30/99	11.80	NA	11.80	NM	NM	NM	NM	NM	NM	NM	NM	NM
A16-1	12/01/99	7.00	1.67	NM	6.3	76	6.13	178.0	3.19	>1.0	0.6	0.89	5
(dup) [2]	12/01/99	7.00	1.67	NM	NM	NM	NM	NM	NM	NM	NM	NM	10
A16-2	12/01/99	12.00	6.67	NM	NM	NM	NM	NM	NM	NM	>1000	2.45	964
A17-1	12/01/99	7.00	3.00	NM	9.6	425	7.11	-55.6	0.49	<1.0	2.1	0.41	124
A17-3	12/01/99	17.00	13.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
A18-1	12/02/99	19.00	10.19	NM	13.0	628	6.27	58.4	1.56	0.5	50.4	3.60	53
(dup)	12/02/99	19.00	10.19	NM	NM	NM	NM	NM	NM	NM	NM	4.00	52
A19-1	12/02/99	8.50	1.50	NM	10.7	208	6.01	124.0	2.12	>1.0	1.6	0.89	18
(dup)	12/02/99	8.50	1.50	NM	NM	NM	NM	NM	NM	NM	NM	0.87	14

1 Ground water yield too low to connect to flow cell.
2 Duplicate analysis of select geochemical parameters.

Table C.3. Summary of field geochemical data collected during snap-shot and fixed point ground water sampling on March 27 – April 6, 2000 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: ft bgs = feet below ground surface, COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
20-1	3/28/00	5.00	2.38	NM	11.9	428	6.47	-430.0	0.08	0.00	2.2	12.20	130
20-2	3/28/00	10.00	7.38	NM	12.4	880	6.21	-470.0	0.10	NM	2.5	2.10	88
21-1	3/30/00	5.50	2.00	NM	13.4	264	6.62	NM	0.99	NM	3.4	12.80	NM
21-2	3/30/00	13.50	10.00	NM	10.2	1464	6.88	NM	0.22	0.2-0.3	6.3	3.00	NM
22-1	3/31/00	9.75	3.50	NM	13.5	1315	5.53	125.6	3.38	0.3-0.4	2.8	15.50	44
22-2	3/31/00	14.75	8.50	NM	11.8	1112	6.24	25.7	0.68	0.2-0.3	4.7	18.40	240
23-1	3/31/00	9.75	2.75	NM	13.7	1327	4.64	141.8	0.24	0.4-0.6	ND	13.50	ND
23-2 [1]	4/3/00	16.75	9.75	NM	NM	NM	NM	NM	NM	NM	NM	21.50	48
TW01	3/29/00	9.00 [2]	NA	NM	11.1	12660	NM	-161.0	0.11	NM	6.2	NM	4160
TW02	4/6/00	14.00 [2]	NA	NM	8.1	9200	7.56	-277.1	0.11	0.3-0.4	2.6	0.08	4030
TW03	3/29/00	13.00 [2]	NA	NM	13.8	1266	6.06	267.0	0.54	0.6	1.4	ND	206
TW04	3/29/00	14.00 [2]	NA	NM	10.9	2240	5.94	22.0	0.69	0	0.9	11.20	24
TW05	NS	11.00 [2]	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TW06-1	4/5/00	12.25	NM	47.08	13.1	477	6.44	130.8	0.97	NM	31.0	0.60	67
TW06-2	4/5/00	17.50	NM	47.08	10.9	537	5.99	268.3	1.85	0.4-0.6	9.4	0.15	24
TW06-3	4/5/00	22.50	NM	47.08	9.8	921	5.04	210.1	1.12	0.3-0.4	35.1	1.48	22
TW07-1	4/4/00	12.25	NM	NM	13.1	1151	6.16	44.2	0.28	0.06-0.08	1.1	16.60	142
TW07-2	4/5/00	15.00	NM	NM	12.0	1293	5.90	86.1	0.19	0.1-0.2	0.7	16.10	114
TW07-3	4/5/00	20.00	NM	NM	11.8	2150	6.03	-218.9	0.17	0.05-0.1	1.6	26.60	170
TW08-1	4/6/00	8.00	NM	NM	6.7	6.2	8.02	-262.7	0.35	0.4	13.4	0.28	2735
TW08-2	4/6/00	13.00	NM	NM	6.1	99.8	5.42	530.9	8.00	NM	27.0	0.05	6
TW08-3	4/6/00	17.50	NM	NM	8.1	11070	6.70	-196.3	0.22	0.3-0.4	97.0	2.41	2540

1 Ground water yield too low to connect to flow cell.
2 Screen depth is below water surface of Hall's Brook Holding Area Pond determined at the time of installation.

Table C.4. Summary of field geochemical data collected during fixed point ground water sampling on May 16-18, 2000 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
TW01	5/17/00	9.00 [1]	NA	NM	14.1	13430	7.26	-214.0	0.02	0.6-0.8	1.9	12.50	5948
TW02	5/16/00	14.00 [1]	NA	NM	16.8	8850	7.72	-265.0	0.02	0.1-0.2	1.3	0.15	4530
TW03	5/16/00	13.00 [1]	NA	NM	16.6	1191	5.95	168.5	0.46	0.8-1.0	1.0	0.08	210
TW04	5/16/00	14.00 [1]	NA	NM	15.4	2110	6.19	-17.0	0.18	0	0.4	19.60	94
TW05	5/17/00	11.00 [1]	NA	NM	14.1	6180	5.22	100.0	0.39	0.6-0.8	2.0	158.75	69
TW06-1	5/16/00	12.25	NM	47.08	14.6	499	6.32	94.0	0.15	0.3-0.4	22.9	0.64	NM
TW06-2	5/16/00	17.50	NM	47.08	14.1	430	5.83	271.0	0.25	0.3-0.4	0.3	0.00	NM
TW06-3	5/16/00	22.50	NM	47.08	13.7	944	5.25	195.0	0.15	0.2-0.3	0.7	1.37	32
TW07-1	5/16/00	12.25	NM	NM	16.0	1283	5.72	9.1	0.31	NM	5.0	17.00	126
TW07-2	5/16/00	15.00	NM	NM	13.8	940	5.82	-24.5	0.06	0.1-0.2	2.0	15.60	122
TW07-3	5/16/00	20.00	NM	NM	15.3	2130	5.86	-53.1	0.28	0.4	3.0	27.20	146
TW08-1	5/17/00	8.00	NM	NM	15.5	6240	7.82	-215.6	0.08	0.3-0.4	5.0	0.36	3060
TW08-2	5/17/00	13.00	NM	NM	14.3	58	5.33	293.1	7.08	6-8	1.0	0.02	3
TW08-3	5/17/00	17.50	NM	NM	15.9	11160	6.63	-204.9	0.16	0.3	29.0	26.40	3232
TW10-1	5/16/00	10.58	NM	NM	14.8	474	6.65	-212.2	0.13	0.2-0.3	29.1	3.14	134
TW10-2	5/16/00	15.58	NM	NM	15.4	1504	6.12	-107.3	0.27	0.3-0.4	37.0	14.20	204
TW10-3	5/16/00	20.58	NM	NM	16.2	1705	6.24	-117.9	0.18	0.2-0.3	9.0	15.50	272

1 Screen depth is below water surface of Hall's Brook Holding Area Pond determined at the time of installation.

Table C.5. Summary of field geochemical data collected during fixed point ground water sampling on August 22-30, 2000 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
TW01	8/23/00	9.00 [1]	NA	NM	20.7	14820	7.26	-273.0	4.88	0.2-0.3	2.2	2.35	7628
	8/28/00	9.00 [1]	NA	NM	22.0	15400	7.35	-302.0	0.16	0.1-0.2	1.9	3.10	NM
TW02	8/23/00	14.00 [1]	NA	NM	17.9	9170	7.44	-314.6	0.39	0.1	1.2	0.11	4440
TW03	8/22/00	13.00 [1]	NA	NM	21.4	989	5.97	NM	0.46	1-2	3.7	0.03	210
TW04	8/23/00	14.00 [1]	NA	NM	18.7	2230	6.13	-243.5	0.85	0	0.8	2.44	152
TW05	8/23/00	11.00 [1]	NA	NM	18.9	7000	5.12	-162.3	0.70	0.6	1.5	148.00	74
TW06-1	8/22/00	12.25	NM	47.08	21.9	578	6.15	130.8	0.17	0.8	10.2	0.48	76
TW06-2	8/22/00	17.50	NM	47.08	20.5	136	5.83	260.0	2.07	0.8	1.7	0.01	37.5
TW06-3	8/22/00	22.50	NM	47.08	18.6	1019	5.21	224.5	NM	0.8	1.3	0.31	32.4
TW07-1	8/23/00	12.25	NM	NM	15.7	1374	5.90	-225.3	0.66	0.1	1.7	14.10	68
	8/28/00	12.25	NM	NM	17.1	1395	5.77	51.0	0.40	0.1-0.2	0.5	19.50	NM
TW07-2	8/23/00	15.00	NM	NM	17.1	1246	6.07	-258.8	0.40	0.05	0.9	29.50	208
TW07-3	8/23/00	20.00	NM	NM	15.6	2220	6.04	-238.9	0.40	0.05	1.5	21.10	72
TW08-1	8/23/00	8.00	NM	NM	20.6	6600	7.80	-287.0	0.29	NM	2.9	0.32	284
	8/28/00	8.00	NM	NM	18.9	6660	7.72	-329.0	0.14	0.2	0.8	0.75	NM
TW08-2	8/23/00	13.00	NM	NM	21.2	128	5.14	359.0	0.55	1	0.5	0.01	5
TW08-3	8/23/00	17.50	NM	NM	22.1	11530	6.78	-154.0	25.10	0.6	8.1	27.50	3496
TW10-1	8/22/00	10.58	NM	NM	22.0	400	6.45	-281.5	11.22	0.2	0.5	4.00	110
TW10-2	8/22/00	15.58	NM	NM	20.8	1523	6.04	-253.7	5.04	0.6	1.6	11.30	210
TW10-3	8/22/00	20.58	NM	NM	19.0	1740	6.26	-285.1	6.69	0.4	1.8	13.60	288
TW11	8/30/00	3.50	1.50	NM	17.7	968	6.14	153.0	0.60	0.2	14.6	0.43	77
TW12-1	8/30/00	3.50	1.50	NM	20.1	1002	6.28	-302.0	0.14	0.05	35.2	3.30	170
TW12-2	8/30/00	8.50	1.50	NM	20.1	1054	6.25	-249.0	0.22	0.2	6.7	0.58	126
TW13	8/30/00	3.50	1.50	NM	22.4	686	6.28	-273.0	0.21	NM	6.0	2.90	56

1 Screen depth is below water surface of Hall's Brook Holding Area Pond determined at the time of installation.

Table C.6. Summary of field geochemical data collected during fixed point ground water sampling on March 28 – April 3, 2001 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft)	Depth to Bedrock ft bgs	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
TW01	4/3/2001	9.00 [1]	NA	NM	7.4	13410	7.02	-149.9	0.27	0.3	1.6	30.75	5360
TW02	3/29/01	14.00 [1]	NA	NM	8.6	8410	7.67	-137.6	0.40	NM	2.0	0.10	4080
TW03	NS	13.00 [1]	NA	NM	--	--	--	--	--	--	--	--	--
TW04	3/29/01	14.00 [1]	NA	NM	7.5	2140	6.73	-13.0	1.19	0	1.4	3.06	122
TW05	NS	11.00 [1]	NA	NM	--	--	--	--	--	--	--	--	--
TW06-1	NS	12.25	NM	47.08	--	--	--	--	--	--	--	--	--
TW06-2	NS	17.50	NM	47.08	--	--	--	--	--	--	--	--	--
TW06-3	NS	22.50	NM	47.08	--	--	--	--	--	--	--	--	--
TW07-1	3/29/01	12.25	NM	NM	8.5	1172	5.99	54.2	0.83	0.4	1.0	25.50	136
(dup) [2]	3/29/01	12.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	122
TW07-2	3/29/01	15.00	NM	NM	7.6	570	6.23	38.0	0.73	0.3	1.73	14.00	188
TW07-3	3/29/01	20.00	NM	NM	9.7	1919	6.14	7.9	0.80	0.1-0.2	1.48	57.00	184
TW08-1	4/3/01	8.00	NM	NM	8.3	3260	8.02	-62.8	0.74	0.4-0.6	1.25	0.28	1292
TW08-2	NS	13.00	NM	NM	--	--	--	--	--	--	--	--	--
TW08-3	4/3/01	17.50	NM	NM	9.8	11840	6.73	-156.1	0.29	0.2-0.3	4.8	25.40	3448
TW10-1	4/2/01	10.58	NM	NM	4.2	210	6.72	-24.1	0.42	0.4-0.6	2.5	2.42	33
TW10-2	4/2/01	15.58	NM	NM	4.9	1362	6.38	21.3	0.61	0.2-0.3	12.5	21.40	178
TW10-3	4/2/01	20.58	NM	NM	6.6	1673	6.46	-133.6	0.68	0.4	3.4	21.00	260
TW11	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW12-1	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW12-2	NS	8.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW13	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--

1 Screen depth is below water surface of Hall's Brook Holding Area Pond determined at the time of installation.
2 Duplicate analysis of select geochemical parameters.

Table C.7. Summary of field geochemical data collected during fixed point ground water sampling on September 13 – 17, 2001 at the Industri-Plex Site and GSIP Study Area. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth ft bgs	Depth to Water Table ft	Depth to Bedrock ft bgs	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
TW01	9/11/01	9.00 [1]	NA	NM	23.7	14770	7.37	-187.0	0.18	NM	2.7	5.30	7308
TW02	9/11/01	14.00 [1]	NA	NM	21.8	8630	7.39	-234.0	0.14	0.3	2.0	0.14	4072
TW03	NS	13.00 [1]	NA	NM	--	--	--	--	--	--	--	--	--
TW04	9/11/01	14.00 [1]	NA	NM	22.8	2170	6.13	-114.0	0.87	0	1.0	25.20	122
TW05	9/13/01	11.00 [1]	NA	NM	19.7	6530	5.64	70.2	0.54	NM	1.0	100.50	156
(dup) [2]	9/13/01	11.00 [1]	NA	NM	NM	NM	NM	NM	NM	NM	NM	112.00	140
TW06-1	NS	12.25	NM	47.08	--	--	--	--	--	--	--	--	--
TW06-2	NS	17.50	NM	47.08	--	--	--	--	--	--	--	--	--
TW06-3	NS	22.50	NM	47.08	--	--	--	--	--	--	--	--	--
TW07-1	9/11/01	12.25	NM	NM	17.6	1101	5.65	56.0	0.86	0-0.05	3.7	15.90	106
(dup) [2]	9/11/01	12.25	NM	NM	NM	NM	NM	NM	NM	0.08-0.1	NM	17.70	NM
TW07-2	9/11/01	15.00	NM	NM	18.8	749	5.90	-33.6	0.80	0	0.6	47.50	220
TW07-3	9/11/01	20.00	NM	NM	17.8	2270	5.73	-62.9	0.40	0	1.5	12.90	122
(dup) [2]	9/11/01	20.00	NM	NM	NM	NM	NM	NM	NM	0.04-0.06	NM	NM	NM
TW08-1	9/10/01	8.00	NM	NM	21.3	5730	7.66	-302.6	0.20	0.3	0.8	1.57	2592
(dup) [2]	9/10/01	8.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2580
TW08-2	9/10/01	13.00	NM	NM	21.2	114	5.11	276.0	0.93	0.8-1.0	0.3	0.01	6
TW08-3	9/10/01	17.50	NM	NM	21.3	11820	6.78	-105.9	0.54	0.2-0.3	7.0	23.10	3418
TW10-1	9/12/01	10.58	NM	NM	21.5	446	6.67	-139.5	0.64	0.3	0.4	4.20	156
(dup) [2]	9/12/01	10.58	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	113
TW10-2	9/12/01	15.58	NM	NM	21.2	1445	6.25	-119.0	0.25	0.2	1.8	20.90	204
(dup) [2]	9/12/01	15.58	NM	NM	NM	NM	NM	NM	NM	0.1	NM	17.50	198
TW10-3	9/12/01	20.58	NM	NM	22.2	1624	6.25	-104.1	0.33	0.4	5.4	20.40	208
(dup) [2]	9/12/01	20.58	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	166
TW11	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW12-1	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW12-2	NS	8.50	1.50	NM	--	--	--	--	--	--	--	--	--
TW13	NS	3.50	1.50	NM	--	--	--	--	--	--	--	--	--

1 Screen depth is below water surface of Hall's Brook Holding Area Pond determined at the time of installation.
2 Duplicate analysis of select geochemical parameters.

Table C.8. Summary of field geochemical data collected during surface water sampling on November 30 – December 3, 1999 in the Hall's Brook Holding Area Pond. Data were collected using a YSI submersible multi-electrode sonde. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Sonde Depth cm	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
WN50	11/30/99	50	7.07	275	6.32	115.2	3.72	3.0-4.0	11.4	0.008	0.02	96
WN100	11/30/99	100	7.14	279	6.32	103.2	3.58	3.0-4.0	7.9	0.011	0.02	70
WN150	11/30/99	150	7.29	331	6.22	101.1	2.89	3.0	16.2	0.008	0.00	130
WN200	11/30/99	200	9.44	800	6.08	48.0	1.45	1.0-2.0	47.3	0.024	0.05	254
WN250	11/30/99	250	11.53	2000	6.49	-154.1	0.69	<1.0	10.3	0.810	48.00	1242
WN260	11/30/99	260	NM	NM	NM	NM	NM	NM	NM	NM	61.50	1812
WC50	11/30/99	50	7.07	274	6.34	80.4	3.29	3.0-4.0	10.2	0.008	0.03	72
WC100	11/30/99	100	7.08	275	6.31	80.0	3.24	3.0-4.0	8.2	0.025	0.00	84
(dup) [1]	11/30/99	100	NM	NM	NM	NM	NM	NM	NM	NM	0.01	76
WC150	11/30/99	150	7.11	276	6.32	80.4	3.07	3.0-4.0	8.2	0.018	0.00	72
WC200	11/30/99	200	8.05	688	6.12	52.3	1.05	1.0-2.0	8.1	<0.007	0.01	236
WC250	11/30/99	250	9.7	1327	6.49	-85.0	0.54	<1.0	9.1	0.562	2.42	584
WS50	11/30/99	50	6.99	275	6.29	80.9	3.90	3.0-4.0	21.4	0.012	0.00	76
WS100	11/30/99	100	6.99	275	6.3	79.8	3.15	3.0-4.0	9.9	<0.007	0.01	110
WS150	11/30/99	150	7.01	275	6.29	80.2	2.76	NM	9.0	0.016	0.00	92
WS200	11/30/99	200	9.3	875	6.21	4.9	1.59	1.0-2.0	33.9	<0.007	0.03	310
(dup) [1]	11/30/99	200	NM	NM	NM	NM	NM	NM	NM	NM	0.06	316
WS250	11/30/99	250	9.54	1371	6.45	-81.1	0.71	<1.0	7.6	0.328	2.20	552
WS300	11/30/99	320	10.16	1395	6.84	-180.6	0.32	<1.0	9.6	2.233	1.69	664

1 Duplicate analysis of select geochemical parameters.

Table C.9. Summary of field geochemical data collected during surface water sampling on March 27 – April 6, 2000 in the Hall's Brook Holding Area Pond. Data were collected using a YSI submersible multi-electrode sonde. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Sonde Depth cm	Temp. °C	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
WN50	4/4/00	50	10.83	412	6.79	135.0	7.10	NM	11.5	<0.033	0.05	74
WN100	4/4/00	100	10.82	413	6.95	132.3	7.00	NM	9.8	<0.033	0.45	78
WN150	4/4/00	150	10.87	415	7.02	85.1	6.80	NM	8.1	<0.033	0.65	80
WN175	4/4/00	175	10.87	420	7.04	72.3	6.7	NM	8.1	<0.033	0.35	NM
WN200	4/4/00	200	10.89	426	7.05	78.3	6.7	NM	7.7	<0.033	0.50	82
(dup) [1]	4/4/00	200	NM	NM	NM	NM	NM	NM	NM	<0.033	NM	84
WN225	4/4/00	225	10.91	452	6.96	48	3.5	NM	7.8	<0.033	0.90	78
WN250	4/4/00	250	10.83	3590	7.19	-118.2	0.485	NM	5.7	0.904	>8.0	1316
WN300	4/4/00	300	10.44	7650	7.51	-199.5	0.295	NM	9.7	2.040	>8.0	2380
(dup) [1]	4/4/00	300	NM	NM	NM	NM	NM	NM	NM	NM	NM	2500
WC50	4/4/00	50	11.39	418	7.03	48.2	7	NM	9.7	<0.033	0.45	66
WC100	4/4/00	100	11.46	419	6.98	47.1	7.2	NM	7.8	<0.033	0.25	74
WC150	4/4/00	150	11.52	419	6.97	49.1	6.4	NM	7.9	<0.033	0.35	72
(dup) [1]	4/4/00	150	NM	NM	NM	NM	NM	NM	NM	<0.033	NM	72
WC200	4/4/00	200	11.05	438	6.81	45.9	4.7	NM	17.2	0.092	0.85	90
WC250	4/4/00	250	9.95	693	6.5	48.3	2.9	NM	32.7	<0.033	1.30	150
WC275	4/4/00	275	9.95	901	6.58	20.5	0.5	NM	22.7	<0.033	1.20	194
WC300	4/4/00	300	9.60	1476	7.35	-180.1	0.13	NM	7.9	<0.033	NM	NM
WS50	4/4/00	50	11.61	420	6.99	31.5	5.5	NM	8.3	<0.033	0.00	68
WS100	4/4/00	100	10.92	429	6.87	45.2	5.7	NM	9.6	<0.033	0.00	68
WS150	4/4/00	150	10.78	439	6.78	50.4	5.8	NM	7.7	<0.033	0.00	78
WS200	4/4/00	200	10.40	452	6.7	55.1	5.3	NM	12.0	<0.033	0.25	82
WS250	4/4/00	250	9.31	696	6.39	47.9	0.71	NM	17.1	<0.033	0.00	134
WS300	4/4/00	300	8.98	2333	7.12	-131.1	0.21	NM	28.7	0.870	NM	1500
WS340	4/4/00	340	8.94	2534	7.33	-173	0.1	NM	15.2	NM	NM	NM

1 Duplicate analysis of select geochemical parameters.

Table C.10. Summary of field geochemical data collected during surface water sampling on August 22-30, 2000 in the Hall's Brook Holding Area Pond. Data were collected using a YSI submersible multi-electrode sonde. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Sonde Depth (cm)	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
WN50	8/25/00	50	19.00	600	7.12	59.6	3.74	NM	11.4	<0.033	0.14	168
WN100	8/25/00	100	18.54	644	7.28	33.3	2.77	NM	14.5	<0.033	0.99	141
WN150	8/25/00	150	17.76	832	7.16	15.5	2.01	NM	35.6	0.151	2.16	128
WN180	8/25/00	180	15.29	1544	7.37	-66.4	0.13	0.3	136.0	0.059	9.70	444
WN200	8/25/00	200	14.28	1527	7.20	-44.6	0.09	0.2	55.2	0.525	2.12	682
WC50	8/25/00	50	22.26	592	7.52	44.1	4.33	NM	16.8	<0.033	0.01	142
WC100	8/25/00	100	19.23	619	7.39	35.8	3.13	NM	11.5	<0.033	0.01	136
WC150	8/25/00	150	17.74	1071	7.35	-13.1	4.60	4-6	27.9	<0.033	0.03	264
WC200	8/25/00	200	15.23	2054	7.76	-106.9	0.14	NM	110.0	0.548	17.40	748
WC250	8/25/00	240	15.23	2462	8.02	-159.0	0.10	0.2	43.3	1.626	45.40	832
WS50	8/29/00	50	20.47	644	6.75	66.7	3.27	NM	7.7	<0.033	0.02	128
WS100	8/29/00	100	19.30	875	6.58	20.5	0.80	NM	8.1	<0.033	0.03	204
WS150	8/29/00	150	18.57	1190	6.61	11.7	2.12	NM	8.0	<0.033	0.04	370
WS200	8/29/00	200	15.99	2209	7.21	-158.0	0.12	0.2	72.4	0.636	15.30	708
WS240	8/29/00	240	15.08	2483	7.31	-210.5	0.27	0.2	23.8	1.669	38.50	836

Table C.11. Summary of field geochemical data collected during surface water sampling on March 28 – April 3, 2001 in the Hall's Brook Holding Area Pond. Data were collected using a YSI submersible multi-electrode sonde. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Sonde Depth (cm)	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
WN50	4/2/01	50	4.1	623	6.34	104.8	NM	5.5	8.2	0.010	0.45	50.5
WN100	4/2/01	100	4.1	740	6.13	76.2	NM	4.0	4.6	0.011	0.60	52.7
WN150	4/2/01	150	4.1	758	6.16	75.7	NM	5.0	4.0	0.011	0.60	53.7
WN200	4/2/01	200	4.1	758	6.16	74.6	NM	4.0	4.2	0.015	0.60	53.7
WN250	4/2/01	250	4.4	1255	6.71	-19.5	NM	4.0	4.4	0.015	0.80	57.2
WN270	4/2/01	270	4.6	1340	6.46	-36.1	NM	3.0	4.7	0.018	1.00	55.9
WN310	4/2/01	310	6.4	2300	6.50	-40.1	NM	0.4	39.1	0.257	35.00	360.9
WC50	4/2/01	50	4.0	640	5.10	155.7	NM	4.0	4.3	0.008	0.20	46.2
WC100	4/2/01	100	4.5	574	5.23	177.1	NM	4.0	4.3	0.007	0.20	45.2
WC150	4/2/01	150	4.8	493	5.03	149.9	NM	4.0	4.0	0.007	0.10	45.8
WC200	4/2/01	200	4.9	505	5.82	73.5	NM	4.0	4.0	0.006	0.10	44.0
WC250	4/2/01	250	4.8	486	6.29	45.0	NM	4.0	4.0	0.009	0.10	47.6
WC300	4/2/01	300	4.9	474	6.53	31.1	NM	3.5	4.3	0.006	0.20	45.6
WS50	4/2/01	50	5.1	491	6.20	99.0	NM	4.0	4.3	0.008	0.10	47.6
WS100	4/2/01	100	5.3	504	6.17	52.2	NM	4.5	4.2	0.006	0.10	47.6
WS150	4/2/01	150	5.2	491	6.43	37.3	NM	4.0	4.2	0.005	0.10	46.4
WS200	4/2/01	200	5.4	481	6.63	25.3	NM	4.0	4.2	0.005	0.10	46.0
WS250	4/2/01	250	5.2	489	6.72	16.5	NM	3.5	4.8	0.006	0.10	47.0
WS300	4/2/01	300	5.2	489	6.78	16.5	NM	3.5	4.0	0.006	0.10	45.6

Table C.12. Summary of field geochemical data collected during surface water sampling on September 13 – 17, 2001 in the Hall's Brook Holding Area Pond. Data were collected using a YSI submersible multi-electrode sonde. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Sonde Depth (cm)	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
WC50	9/17/01	50	16.4	785	6.58	219.4	6.93	NM	8.8	0.002	0.01	100.0
WC100	9/17/01	100	16.3	793	6.56	217.8	6.40	NM	9.5	0.005	0.02	132.0
WC150	9/17/01	150	16.5	1203	6.33	65.5	1.25	>1	44.9	0.077	7.40	266.0
WC200	9/17/01	200	16.5	1959	6.42	-56.0	1.89	0.1	13.5	0.518	21.00	512.0
WC250	9/17/01	250	16.0	2644	6.60	-128.9	1.98	0.0	13.5	1.508	46.25	750.0
WC300	9/17/01	300	15.7	3075	6.57	-151.5	2.00	0.0	13.2	2.172	54.25	902.0
WC320	9/17/01	320	15.6	3443	6.72	-198.4	2.00	NM	NM	NM	NM	NM
WS50	9/17/01	50	17.0	809	6.66	159.3	7.60	NM	11.1	0.007	0.01	116.0
WS100	9/17/01	100	16.8	864	6.69	155.3	15.08	NM	40.6	0.028	0.04	140.0
WS150	9/17/01	150	16.4	980	6.37	139.0	3.01	0.3	56.3	0.048	0.16	178.0
WS200	9/17/01	200	16.8	2112	6.50	-66.0	1.04	0.1-0.2	13.0	0.665	27.20	524.0
WS250	9/17/01	250	16.0	2537	6.65	-112.1	1.70	0.1	15.1	1.507	60.50	706.0
WS300	9/17/01	300	15.2	2798	6.79	-159.6	1.66	0.05	16.2	2.845	74.00	822.0
WS330	9/17/01	330	14.7	2519	7.17	-256.9	1.46	NM	NM	NM	NM	NM

Table C.13. Field geochemical parameters and measured concentrations of arsenic and iron for inlets and outlet of the Hall's Brook Holding Area Pond. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	T (°C)	ALK mg/L $CaCO_3$	DO (Electrode) mg/L	DO (Chemet) mg/L	ORP mV	pH	COND µS/cm	Turbidity NTU	As mg/L	Fe mg/L
Hall's Brook Inlet	4/5/00	11.5	64.0	11.50	6.8	273.3	7.93	383	NM	<0.033	0.504
	5/18/00	14.0	78.8	7.74	6-8	231.0	7.44	555	NM	<0.033	0.914
	8/29/00	17.6	112.0	5.10	NM	181.0	7.24	489	NM	<0.033	0.105
	8/30/00	19.4	106.0	4.03	4	264.0	7.22	548	9.6	NM	NM
	4/5/01	11.0	NM	NM	6.5	168.9	6.86	668	NM	<0.033	0.272
	9/16/01	15.1	66.2	6.63	NM	353.6	6.97	593	3.5	0.002	0.176
Atlantic Ave. Drainway	4/5/00	11.1	50.0	NM	7.0	95.0	7.14	NM	NM	<0.033	<0.035
	5/18/00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	8/24/00, A [1]	16.7	76.0	NM	NM	-55.8	6.33	498	NM	0.041	14.24
	8/24/00, B [1]	18.2	62.0	NM	NM	-28.0	5.94	591	NM	<0.033	5.492
HBHA Pond Outlet	4/5/00	12.0	80.0	NM	6.1	68.1	6.70	320	NM	<0.033	0.727
	5/18/00	16.0	81.6	7.67	6-8	216.0	7.14	544	NM	<0.033	1.317
	8/30/00	22.6	NM	5.38	6-8	277.0	6.95	760	9.4	<0.033	0.069
	4/5/01	10.9	NM	NM	5.5	78.6	6.76	710	NM	<0.033	1.400
	9/16/01	21.6	115.6	7.60	NM	374.7	6.73	799	9.1	0.006	0.117

1 Dates 8/24/00, A and 8/24/00, B refer to samples collected at two closely spaced locations at Atlantic Avenue Drainway outlet.

Table C.14. Summary of field geochemical data collected during water sampling from North Multi-Level Station in the Hall's Brook Holding Area Pond. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured.

Location	Date	Screen Depth (cm)	Temp. (°C)	COND µS/cm	pH	ORP mV	DO (electrode) mg/L	DO (Chemet) mg/L	Turbidity NTU	As mg/L	Ferrous Iron mg/L	ALK mg/L $CaCO_3$
NML-1	4/5/01	69	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	4/10/01		11.8	640	6.18	85.7	9.44	NM	6.0	<0.033	NM	NM
	5/14/01		14.1	832	6.63	525.5	NM	5	7.2	<0.033	NM	100
	9/14/01		15.8	763	6.25	118.9	7.4	NM	14.0	0.010	0.00	109.5
NML-2	4/5/01	119	9.5	765	6.53	126.1	NM	4.5	5.1	<0.033	0.30	66.4
	4/10/01		10.5	650	6.15	220.8	9.60	NM	6.4	<0.033	NM	NM
	5/14/01		13.6	887	6.54	151.3	NM	3.5	6.1	<0.033	NM	124
	5/31/01		15.6	994	6.44	271.5	NM	3	22.5	NM	NM	150
	9/14/01		16.1	726	6.31	121.2	6.65	NM	14.0	0.009	0.02	143.0
NML-3	4/5/01	169	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	4/10/01		11.4	653	6.28	29.2	9.90	NM	5.5	<0.033	NM	NM
	5/14/01		13.9	1039	6.21	91.6	NM	3.5	9.8	0.033	NM	160
	9/14/01		16.4	888	5.23	-58.1	5.30	>1.0	15.6	0.030	0.56	143.0
NML-4	4/5/01	219	9.4	768	6.53	97.5	NM	4.0	5.5	<0.033	0.60	73.2
	4/10/01		10.9	665	6.54	140.4	9.84	NM	6.0	0.033	NM	NM
	5/14/01		14.2	1523	6.24	49.7	NM	0.5	18.1	0.060	NM	324
	9/14/01		16.3	1856	6.11	-40.1	NM	0.4-0.6	12.3	0.349	19.25	390.0
NML-5	4/5/01	269	9.9	1670	6.42	-2.8	NM	1.0	5.5	0.251	12.00	26.8
	4/10/01		10.6	2480	6.71	-7.0	3.26	NM	36.6	0.372	NM	NM
	5/14/01		14.1	5590	6.54	-111.5	NM	0.4	2.9	0.933	NM	1388
	9/13/01		22.9	6060	6.68	-138.2	0.54	1.0	57.9	1.718	63.00	1768
NML-6	4/5/01	319	9.6	4740	6.64	-69.7	NM	0.4	6.2	0.480	40.00	952.0
	4/10/01		10.6	4820	6.56	-106.0	0.88	NM	3.1	0.591	NM	NM
	5/14/01		14.8	9710	6.81	-163.6	NM	0.3	8.7	1.179	NM	3396
	5/31/01		15.2	10110	7.03	-155.0	NM	0.6	29	NM	NM	3908
	9/13/01		23.9	10650	6.84	-183.0	0.08	0.4	79.9	2.695	56.50	4116.0
NML-7	4/5/01	369	9.9	11200	7.14	-163.3	NM	0.2	9.6	0.844	100.00	4380.0
	4/10/01		11.3	11880	6.62	-165.5	0.78	NM	9.3	1.054	NM	NM
	5/14/01		14.8	12740	6.73	-194.7	NM	0.35	6.8	1.253	NM	4924
	9/13/01		24.8	12050	6.73	-211.1	0.12	0.70	53.1	3.800	57.00	4790.0
NML-8	4/5/01	419	10.4	13570	6.86	-192.7	NM	0.2	47.7	1.702	175.00	4760.0
	4/10/01		10.7	13660	6.68	-208.7	0.30	0.4	10.9	1.576	NM	NM
	5/14/01		16.4	14340	6.74	-223.0	NM	0.3	7.8	1.917	NM	5256
	9/13/01		27.5	13090	6.79	-203.5	0.14	<1.0	99.3	5.043	84.50	5196.0
NML-9	4/5/01	469	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	4/10/01		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	5/14/01		NM	NM	NM	NM	NM	NM	NM	0.231	NM	NM
	9/14/01		NM	NM	NM	NM	NM	NM	NM	0.261	NM	NM
NML-10	4/5/01	519	10.1	14350	7.49	-5.2	NM	NM	NM	0.265	NM	7420.0
	4/10/01		12.7	15730	7.28	-150.8	0.75	0.4	10.9	0.197	NM	NM
	5/14/01		15.9	16440	7.09	-144.5	NM	NM	11.0	0.188	NM	8148
	9/13/01		21.3	15260	7.46	-71.9	0.68	NM	14.2	0.209	6.00	8052.0

Table C.15. Summary of field geochemical data collected from Discrete Multi-level Samplers installed within the Hall's Brook Holding Area Pond. The following abbreviations are used within the table: COND = conductivity, ORP = oxidation-reduction potential (measured with platinum electrode), DO = dissolved oxygen, ALK = alkalinity, NA = not applicable, NS = not sampled, NM = not measured, SWI = sediment-water interface.

Location	Relative Depth cm	ALK mg/L $CaCO_3$	ORP mV	pH	COND µS/cm	As mg/L	Fe mg/L	Comments
DMLS-1	0.0	NM	NM	NM	NM	0.638	60.650	Above SWI
	11.4	NM	NM	NM	NM	0.670	33.265	Above SWI
Installed: 4/3/00	22.9	NM	NM	NM	NM	<0.055	28.920	Above SWI
	34.3	NM	NM	NM	NM	0.275	35.980	Above SWI
Retrieved: 8/29/00	45.7	NM	NM	NM	NM	<0.055	62.500	Above SWI
	57.2	NM	NM	NM	NM	<0.055	126.910	Above SWI
	74.6	NM	NM	NM	NM	<0.366	170.675	Below SWI
	86.0	NM	NM	NM	NM	<0.366	197.250	Below SWI
	97.5	NM	NM	NM	NM	<0.055	160.370	Below SWI
	108.9	NM	NM	NM	NM	NM	NM	Below SWI; sample cell not recovered
	120.3	NM	NM	NM	NM	NM	NM	Below SWI; sample cell not recovered
DMLS-2	0.0	NM	-144.9	6.85	3800	0.340	89.390	Above SWI
	11.4	NM	-142.8	6.90	4300	0.370	102.830	Above SWI
Installed: 8/30/00	22.9	NM	-210.8	7.49	10400	0.830	30.450	Above SWI
	34.3	NM	NM	NM	NM	0.420	11.450	Below SWI
Retrieved: 4/3/01	45.7	NM	-112.0	7.31	9900	0.160	2.990	Below SWI
	57.2	NM	-144.4	7.46	11400	0.180	15.080	Below SWI
	74.6	NM	-162.8	7.38	9700	0.100	8.960	Below SWI
	86.0	NM	NM	NM	NM	NM	NM	Below SWI ; sample cell not recovered
	97.5	NM	-137.8	7.27	10900	0.050	8.560	Below SWI
	108.9	NM	NM	NM	NM	0.070	8.360	Below SWI
	120.3	NM	-151.9	7.61	12200	0.120	5.820	Below SWI
DMLS-3	0.0	NM	NM	6.96	6980	0.473	2.019	Below SWI
	11.4	2600.0	NM	6.90	6630	0.358	1.419	Below SWI
Installed: 4/3/01	22.9	NM	NM	6.93	6590	0.218	1.352	Below SWI
	34.3	2275.0	NM	6.95	6900	0.127	1.467	Below SWI
Retrieved: 9/12/01	45.7	2320.0	NM	7.07	5770	0.097	1.522	Below SWI
	57.2	NM	NM	6.81	6730	0.097	2.747	Below SWI
	74.6	NM	NM	6.84	6550	0.036	3.899	Below SWI
	86.0	2111.1	NM	6.97	6760	0.085	5.778	Below SWI
	97.5	2100.0	NM	6.86	7230	0.049	4.735	Below SWI
	108.9	2133.3	NM	6.86	6430	0.073	6.512	Below SWI
	120.3	1877.8	NM	6.88	6810	0.067	6.603	Below SWI

Appendix D

Summary of arsenic speciation data for ground-water and surface water samples collected within the Industri-Plex Superfund Site and GSIP Study Area.

Table D.1. Arsenic speciation data for snap-shot ground water samples collected from the Industri-Plex Site and GSIP Study Area. Two separate samples were collected and filtered for total arsenic. The HCl-acidified sample was used for determination of arsenic speciation. The following abbreviations are used within the table: As = arsenic, As(V) = arsenate, As(III) = arsenite, MMA = monomethylarsonic acid, DMA = dimethylarsinic acid, NM = not measured, NA = not applicable due to lack of Total As value, ft bgs = feet below ground surface.

Location	Screen Depth ft bgs	Date	Total As mg/L (HNO_3)	Total As mg/L (HCl)	As(III) mg/L	As(V) mg/L	MMA mg/L	DMA mg/L	Percent Recovery [1]
A01-1	32.75	10/14/99	0.014	0.227	<0.001	<0.001	NM	NM	0
A01-2	41.75	10/15/99	<0.007	0.298	<0.001	<0.001	NM	NM	0
A02-1	12.00	10/14/99	0.362	0.295	<0.001	<0.001	NM	NM	0
A03-1	9.00	10/15/99	0.069	0.105	<0.001	<0.001	NM	NM	0
A03-2	19.00	10/15/99	0.635	0.465	0.440	0.194	NM	NM	136
A04-1	15.00	10/15/99	2.798	2.164	2.218	0.403	NM	NM	121
A04-2	24.75	10/15/99	0.706	0.611	0.392	0.261	NM	NM	107
A06-1	15.50	10/18/99	6.012	5.127	5.118	0.639	NM	NM	112
A06-2	25.50	10/18/99	1.156	1.070	0.970	0.403	NM	NM	128
A08-1	9.00	10/19/99	0.042	0.044	<0.001	<0.001	NM	NM	0
A08-2	19.00	10/19/99	0.199	0.212	<0.001	<0.001	NM	NM	0
A08-3	39.00	10/19/99	0.011	<0.021	<0.001	<0.001	NM	NM	NA
A09-1	12.50	10/19/99	<0.007	<0.021	<0.001	<0.001	NM	NM	NA
A09-2	22.50	10/19/99	<0.007	<0.021	<0.001	<0.001	NM	NM	NA
A09-3	43.00	10/19/99	0.172	<0.021	<0.001	<0.001	NM	NM	NA
A10-1	10.00	10/20/99	NS	<0.021	<0.001	<0.001	NM	NM	NA
A10-2	20.00	10/20/99	0.423	0.288	0.106	0.150	NM	NM	0
A10-3	30.00	10/20/99	0.037	<0.021	<0.001	<0.001	NM	NM	NA
A11-1	10.50	10/20/99	0.127	0.108	0.080	0.055	NM	NM	125
A11-2	20.50	10/20/99	0.615	0.631	0.507	0.073	NM	NM	92
A11-3	30.50	10/20/99	<0.007	<0.021	<0.001	<0.001	NM	NM	NA
A12-1	12.00	10/20/99	2.302	2.014	1.711	<0.010	NM	NM	85
A13-1	7.50	10/20/99	0.047	0.049	0.016	0.053	NM	NM	141
A13-2	17.50	10/20/99	1.215	0.279	0.203	0.083	NM	NM	103
A13-4	45.00	10/20/99	NS	<0.021	<0.001	<0.001	NM	NM	NA
A14-1	10.00	11/30/99	0.504	0.490	0.408	0.144	NM	NM	113
A14-2	15.00	11/30/99	1.582	1.564	0.495	1.087	NM	NM	102
A16-1	7.00	12/1/99	<0.007	<0.007	<0.001	<0.001	NM	NM	NA
A16-2	12.00	12/1/99	0.405	0.318	0.215	0.116	NM	NM	104
A18-1	19.00	12/2/99	0.034	<0.032	<0.001	<0.001	NM	NM	NA
A19-1	8.50	12/2/99	<0.007	<0.032	<0.001	<0.001	NM	NM	NA
A20-2	10.00	3/28/00	<0.033	<0.033	0.054	0.006	<0.005	<0.005	NA
A21-1	5.50	3/30/00	0.074	0.072	0.052	0.019	<0.005	<0.005	99
A21-2	13.50	3/30/00	0.252	0.210	0.190	0.085	<0.005	<0.005	131
A22-1	9.75	3/31/00	<0.033	<0.033	0.009	0.010	<0.005	<0.005	NA
A22-2	14.75	3/31/00	0.823	0.796	0.840	0.040	<0.005	<0.005	111
A23-1	9.75	3/31/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
A23-2	16.75	4/3/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA

[1] Percent recovery is calculated as follows: 100*[Total As mg/L (HCl)]/[Sum of Individual Species].

Table D.2. Arsenic speciation data for fixed monitoring point ground water samples collected from the Industri-Plex Site and GSIP Study Area. Two separate samples were collected and filtered for total arsenic. The HCl-acidified sample was used for determination of arsenic speciation. The following abbreviations are used within the table: As = arsenic, As(V) = arsenate, As(III) = arsenite, MMA = monomethylarsonic acid, DMA = dimethylarsinic acid, NM = not measured, NA = not applicable due to lack of Total As value, ft bgs = feet below ground surface.

Location	Screen Depth ft bgs	Date	Total As mg/L (HNO_3)	Total As mg/L (HCl)	As(III) mg/L	As(V) mg/L	MMA mg/L	DMA mg/L	Percent Recovery [1]
TW06-1	12.25	4/5/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
		5/16/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
TW06-2	17.50	4/5/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
		5/16/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
TW06-3	22.50	4/5/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
		5/16/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
TW07-1	12.25	4/4/00	1.705	1.662	1.367	0.092	<0.005	<0.005	88
		5/16/00	0.626	0.642	0.513	<0.005	<0.005	<0.005	80
		8/28/00	0.791	0.750	0.782	0.030	<0.010	<0.010	108
		3/29/01	0.879	0.880	0.811	0.059	<0.005	<0.005	99
		9/11/01	0.844	0.812	0.738	0.076	<0.005	<0.005	100
TW07-2	15.00	4/5/00	0.746	0.729	0.591	0.043	<0.005	<0.005	87
		5/16/00	1.523	1.389	0.877	<0.005	<0.005	<0.005	62
		8/23/00	1.458	1.249	1.280	0.070	<0.010	<0.010	108
		3/29/01	1.066	1.114	1.083	0.088	<0.005	<0.005	105
		9/11/01	1.400	1.334	1.236	0.117	<0.005	<0.005	101
TW07-3	20.00	4/5/00	0.081	0.076	0.109	0.009	<0.005	<0.005	155
		5/16/00	0.082	0.084	0.103	<0.005	<0.005	<0.005	123
		8/23/00	0.145	0.124	0.130	<0.010	<0.010	<0.010	105
		3/29/01	0.130	0.174	0.147	0.018	<0.005	<0.005	95
		9/11/01	0.202	0.209	0.193	0.025	<0.005	<0.005	104
TW08-1	8.00	4/6/00	0.200	0.252	0.109	0.053	<0.005	<0.005	64
		5/17/00	0.252	0.225	0.102	0.042	<0.005	<0.005	64
		8/28/00	0.390	0.368	0.219	0.029	<0.010	<0.010	67
		4/3/01	0.276	0.276	0.233	0.027	<0.005	<0.005	94
		9/10/01	0.496	0.507	0.348	0.053	<0.005	0.039	87
TW08-2	13.00	4/6/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
		5/17/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
TW08-3	17.50	4/6/00	<0.033	NM	NM	NM	NM	NM	NA
		5/17/00	<0.033	<0.033	0.010	<0.005	<0.005	<0.005	NA
		8/23/00	<0.033	<0.033	0.015	<0.010	<0.010	<0.010	NA
		4/3/01	0.041	<0.165	0.013	0.014	<0.005	<0.005	NA
		9/10/01	0.057	0.088	0.044	<0.005	<0.005	<0.005	50
TW10-1	10.58	5/16/00	1.279	1.079	0.827	<0.005	<0.005	<0.005	77
		8/22/00	1.268	1.063	1.065	<0.010	<0.010	<0.010	100
		4/2/01	0.487	0.398	0.385	0.045	<0.005	<0.005	108
		9/12/01	0.951	0.862	0.832	0.027	<0.005	<0.005	100
TW10-2	15.58	5/16/00	2.017	2.091	1.629	<0.005	<0.005	<0.005	78
		8/22/00	2.198	2.052	2.097	0.071	<0.010	<0.010	106
		4/2/01	0.956	1.020	0.941	0.058	<0.005	<0.005	98
		9/12/01	2.262	2.104	1.881	0.114	<0.005	<0.005	95
TW10-3	20.58	5/16/00	0.486	0.471	0.408	<0.005	<0.005	<0.005	87
		8/22/00	0.504	0.476	0.478	0.025	<0.010	<0.010	106
		4/2/01	0.840	0.848	0.794	0.045	<0.005	<0.005	99
		9/12/01	0.209	0.473	0.472	0.037	<0.005	<0.005	108
TW11	3.50	8/30/00	<0.033	NM	NM	NM	NM	NM	NA
TW12-1	3.50	8/30/00	<0.033	NM	NM	NM	NM	NM	NA
TW12-2	8.50	8/30/00	<0.033	NM	NM	NM	NM	NM	NA
TW13	3.50	8/30/00	<0.033	NM	NM	NM	NM	NM	NA

[1] Percent recovery is calculated as follows: 100*[Total As mg/L (HCl)]/[Sum of Individual Species].

Table D.3. Arsenic speciation data for fixed monitoring point ground water samples collected from the aquifer underlying the Hall's Brook Holding Area Pond. Two separate samples were collected and filtered for total arsenic. The HCl-acidified sample was used for determination of arsenic speciation. The following abbreviations are used within the table: As = arsenic, As(V) = arsenate, As(III) = arsenite, MMA = monomethylarsonic acid, DMA = dimethylarsinic acid, NM = not measured, NA = not applicable due to lack of Total As value, ft bws = feet below water surface.

Location	Screen Depth ft bws [1]	Date	Total As mg/L (HNO_3)	Total As mg/L (HCl)	As(III) mg/L	As(V) mg/L	MMA mg/L	DMA mg/L	Percent Recovery [2]
TW01	9.00	3/29/00	0.412	0.395	0.251	0.310	<0.005	<0.005	142
		5/17/00	0.707	0.601	0.247	0.039	<0.005	0.233	86
		8/28/00	0.812	0.912	0.441	0.105	<0.010	0.103	71
		4/3/01	0.620	0.712	0.683	0.055	<0.005	0.043	110
		9/11/01	1.128	1.214	0.282	0.307	<0.005	0.524	92
TW02	14.00	4/6/00	0.252	0.152	0.049	<0.005	<0.005	<0.005	32
		5/16/00	0.267	0.131	0.060	<0.005	0.024	<0.005	65
		8/23/00	0.280	0.219	0.075	<0.010	<0.010	<0.010	34
		3/29/01	0.180	0.200	0.173	0.009	0.020	<0.005	101
		9/11/01	0.246	0.268	0.104	0.007	<0.005	0.017	48
TW03	13.00	3/29/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
		5/16/00	<0.033	<0.033	<0.005	<0.005	<0.005	<0.005	NA
TW04	14.00	3/29/00	<0.033	<0.033	0.045	0.010	<0.005	<0.005	NA
		5/16/00	0.059	0.041	0.042	<0.005	<0.005	<0.005	102
		8/23/00	0.036	0.034	0.037	<0.010	<0.010	<0.010	109
		3/29/01	0.057	0.060	0.043	0.011	<0.005	<0.005	90
		9/11/01	0.053	0.058	0.035	0.014	<0.005	<0.005	84
TW05	11.00	5/17/00	<0.033	<0.033	<0.010	<0.010	<0.010	<0.010	NA

[1] Depth was established at time of installation.
[2] Percent recovery is calculated as follows: 100*[Total As mg/L (HCl)]/[Sum of Individual Species].

Table D.4. Arsenic speciation data for surface water samples collected from the Hall's Brook Holding Area Pond. Two separate samples were collected and filtered for total arsenic. The HCl-acidified sample was used for determination of arsenic speciation. The following abbreviations are used within the table: As = arsenic, As(V) = arsenate, As(III) = arsenite, MMA = monomethylarsonic acid, DMA = dimethylarsinic acid, NM = not measured, NA = not applicable due to lack of Total As value, cm bws = centimeters below water surface.

Location	Sampling Depth cm bws	Date	Total As mg/L (HNO_3)	Total As mg/L (HCl)	As(III) mg/L	As(V) mg/L	MMA mg/L	DMA mg/L	Percent Recovery [1]
North	225	4/4/00	<0.033	<0.033	0.019	0.006	<0.005	<0.005	NA
	250	4/4/00	0.904	0.850	0.056	0.871	<0.005	<0.005	108
	180	8/25/00	0.059	0.058	0.052	<0.005	<0.005	<0.005	90
	200	8/25/00	0.525	0.472	0.489	0.032	<0.005	<0.005	110
	50	4/2/01	0.010	<0.033	0.008	0.006	<0.005	<0.005	NA
	100	4/2/01	0.011	<0.033	0.006	0.006	<0.005	<0.005	NA
	150	4/2/01	0.011	<0.033	0.009	<0.005	<0.005	<0.005	NA
	200	4/2/01	0.015	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	250	4/2/01	0.015	<0.033	0.010	0.005	<0.005	<0.005	NA
	270	4/2/01	0.018	<0.033	0.017	0.005	<0.005	<0.005	NA
	310	4/2/01	0.257	0.355	0.296	0.014	<0.005	<0.005	87
Central	50	11/30/99	0.008	<0.032	<0.010	<0.010	NM	NM	NA
	100	11/30/99	0.025	<0.032	<0.010	<0.010	NM	NM	NA
	150	11/30/99	0.018	<0.032	<0.010	<0.010	NM	NM	NA
	200	11/30/99	0.015	<0.032	<0.010	<0.010	NM	NM	NA
	300	11/30/99	NM	2.456	0.487	1.661	NM	NM	87
	275	4/4/00	<0.033	<0.033	<0.005	0.022	<0.005	<0.005	NA
	200	8/25/00	0.525	0.442	0.467	0.032	<0.005	<0.005	113
	250	8/25/00	1.626	1.559	1.549	0.139	<0.005	<0.005	108
	50	4/2/01	0.008	<0.033	<0.005	0.005	<0.005	<0.005	NA
	100	4/2/01	0.007	<0.033	<0.005	0.007	<0.005	<0.005	NA
	150	4/2/01	0.007	<0.033	0.005	0.006	<0.005	<0.005	NA
	200	4/2/01	0.006	<0.033	0.006	0.006	<0.005	<0.005	NA
	250	4/2/01	0.009	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	300	4/2/01	0.006	<0.033	0.005	0.009	<0.005	<0.005	NA
	200	9/17/01	0.518	0.534	0.529	0.046	<0.005	<0.005	108
	250	9/17/01	1.508	1.588	1.437	0.155	<0.005	<0.005	100
	300	9/17/01	2.172	2.111	1.823	0.208	<0.005	<0.005	96
South	300	11/30/99	2.233	2.231	2.071	0.333	NM	NM	108
	200	8/29/00	0.636	0.737	0.726	0.058	<0.005	<0.005	106
	240	8/29/00	1.668	1.630	1.409	0.127	<0.005	<0.005	95
	50	4/2/01	0.008	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	100	4/2/01	0.006	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	150	4/2/01	0.005	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	200	4/2/01	0.005	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	250	4/2/01	0.006	<0.033	<0.005	0.007	<0.005	<0.005	NA
	300	4/2/01	0.006	<0.033	<0.005	<0.005	<0.005	<0.005	NA
	150	9/17/01	0.048	0.068	0.027	0.034	<0.005	<0.005	90
	200	9/17/01	0.665	1.496	0.642	0.053	<0.005	<0.005	102
	250	9/17/01	1.507	2.839	1.391	0.139	<0.005	<0.005	102

[1] Percent recovery is calculated as follows: 100*[Total As mg/L (HCl)]/[Sum of Individual Species].

Table D.5. Arsenic speciation data for water samples collected from the North multi-level sampling station within the Hall's Brook Holding Area Pond. Two separate samples were collected and filtered for total arsenic. The HCl-acidified sample was used for determination of arsenic speciation. The following abbreviations are used within the table: As = arsenic, As(V) = arsenate, As(III) = arsenite, MMA = monomethylarsonic acid, DMA = dimethylarsinic acid, NM = not measured, NA = not applicable due to lack of Total As value, cm bws = centimeters below water surface.

Location	Screen Depth cm bws [1]	Date	Total As mg/L (HNO_3)	Total As mg/L (HCl)	As(III) mg/L	As(V) mg/L	MMA mg/L	DMA mg/L	Percent Recovery [2]
NML-2	69	4/5/01	<0.033	<0.033	0.006	<0.005	<0.005	<0.005	NA
NML-4	119	4/5/01	<0.033	<0.033	0.007	0.006	<0.005	<0.005	NA
NML-5	169	4/5/01	0.251	0.239	0.245	0.020	<0.005	<0.005	111
		9/13/01	1.718	1.758	1.573	0.246	<0.005	<0.005	103
NML-6	319	4/5/01	0.480	0.541	0.456	0.035	<0.005	<0.005	91
		9/13/01	2.695	2.752	2.398	0.219	<0.005	<0.005	95
NML-7	369	4/5/01	0.844	0.854	0.673	0.098	<0.005	0.005	91
		9/13/01	3.800	3.725	3.143	0.352	<0.005	<0.005	95
NML-8	419	4/5/01	1.702	1.714	1.482	0.125	<0.005	<0.005	94
		9/13/01	5.043	4.035	3.415	0.369	<0.005	<0.005	94
NML-10	519	4/5/01	0.265	0.294	0.246	0.071	<0.005	0.007	110
		9/13/01	0.209	0.250	0.118	0.044	<0.005	<0.005	65

[1] Depth established at time of installation.
[2] Percent recovery is calculated as follows: 100*[Total As mg/L (HCl)]/[Sum of Individual Species].

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Appendix E

Graphical summary of depth and time trends for total and analytically speciated arsenic in ground water collected from fixed monitoring points.