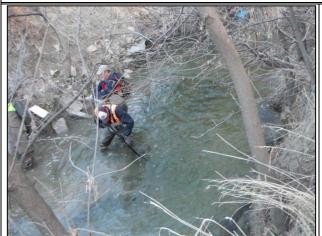
APPENDIX 13 PHOTOGRAPHIC DOCUMENTATION APPENDIX 13.1 2014 PHOTOGRAPHIC DOCUMENTATION

Project Title: Exide-Stewart Creek Survey



LOCATION 1:

Picture #3206 Map Location: T4G1 Description: Creek bed composed of soft sediment with fine gravel, water depth approx. 1.5-2 ft. deep, slow/medium flow, sediment continues for approx. 25-30 y.



LOCATION 2:

Picture #3210 Map Location: Battery Chip1 Description: Creek bed composed of mostly gravel but contains sediment (~½" deep) in left side if creek bed



LOCATION 3:

Picture #3217

Map Location:G2

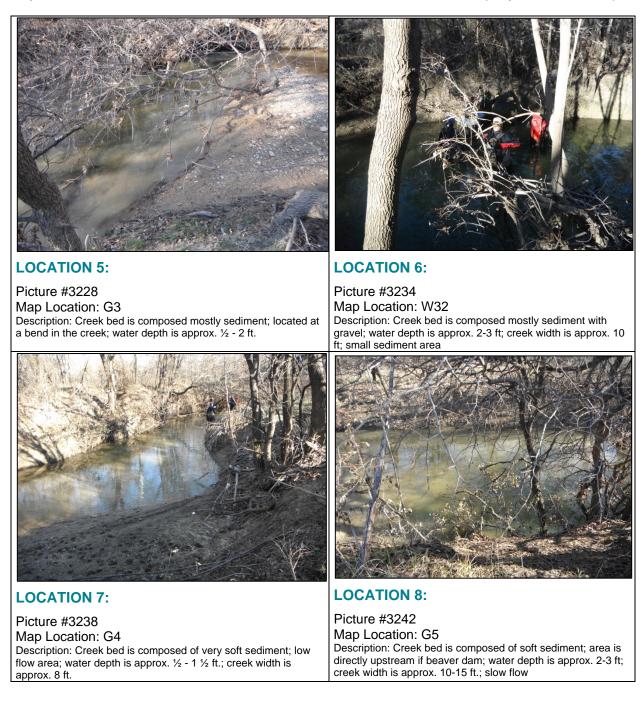
Description: Creek bed is composed of a mix of sediment and gravel; is downstream of WWTP and a bend in the creek; water depth is approx. 3ft; creek width is approx. 12ft.



LOCATION 4:

Picture #3220 Map Location: Outfall

Description: Creek bed is composed of soft sediment; located at outfall from WWTP (2 outfalls); water depth is approx. 3ft; creek width is approx. 10ft; bend in creek approx. 30 y. upstream from this location.



A13-2



LOCATION 9:

Picture #3247

Map Location: G6

Description: Creek bed composed of soft sediment; water depth is approx. 4 ft; creek width is approx. 7 ft; slow flow; Approx. 10 y. to a bend in the creek where there continues to be soft sediment



LOCATION 12:

Picture #3248

Map Location: T6G8 Description: Creek bed composed of very soft silt with some gravel; water depth approx. 2 ft; creek width is approx. 12 ft; slow flow.

SAMPLE LOCATIONS WITH NO PICTURES:

LOCATION 10:

Map Location: 66 Description: Creek bed is composed of soft sediment; low flow; water depth is approx. 1-2 ft; located at a bend in the creek.

LOCATION 11:

Map Location: T5G7 Description: Creek bed is composed of soft sediment; water depth approx. 3 ft; creek width is approx. 7 ft; low flow; soft sediment with some gravel continues past this location.

LOCATION 13:

Map Location: G10 Description: Soft sediment

LOCATION 14:

Map Location: G11 Description: Soft Sediment

LOCATION 14:

Map Location: G12 Description: Soft Sediment

Project Title: Exide-Stewart Creek Survey Parcels: R621602, R43710, R253754, R43703, R2592405



LOCATION 1:

Picture #3258 Map Location: 67 Description: Creek bed composed of sediment and gravel. Water depth is approx. 1ft; creek width approx. 12 ft; Battery chips found in area.



Picture #3275 Map Location: ~10 y. upstream of T9 Description: Creek bed composed of soft sediment in right side of creek bed; very steep banks; water depth approx. 2 ft; low flow.



LOCATION 2:

Picture #3267 Map Location: G14 Description: Creek bed composed of half gravel and half sediment; low flow; water depth is approx. 1-2 ft.; Creek width is approx. 15 ft.



LOCATION 4:

Picture #3277 Map Location: G16 Description: Creek bed composed of sediment and gravel; water depth approx. 2-3 ft; creek width approx. 10-15 ft; low flow.



LOCATION 7:

Picture #3293 Map Location:G20 Description: Creek bed composed of soft sediment; water depth is approx. 2-3 ft.; creek width is approx. 13 ft.; slow flow in this area of the creek; located just downstream of bend in the creek.

Project Title: Exide-Stewart Creek Survey

Parcels: R2092964, R2593946 (non-city); R957575, R2665830, R2665830, R2674785, R2582733 (city)





LOCATION 1:

Picture #3298

Map Location: G21

Description: Creek bed is composed of sediment on the sides of the creek bed but gravel in the deepest part of the creek bed; located just upstream of the bend in the creek; water depth is approx. 1-3 ft.; creek width is approx. 6-8 ft.

LOCATION 2:

Picture #3301

Map Location: approx. 150 y. upstream of W45 Description: Creek bed composed of sediment and some gravel; low flow area; water depth is approx. 2-3 ft.; creek width is approx. 10-15 ft.



LOCATION 3:

Picture #3304

Map Location: G22

Description: Creek bed composed of sediment and detritus; near the outfall for the WWTP; some big concrete slabs in water; water depth approx. 2-3 ft.; creek width is approx. 15 ft.; slow flow area.



LOCATION 4:

Picture #3306 Map Location: T11 Description: Creek bed composed of soft sediment; battery chips found in the area; water depth is approx. 1-2 ½ ft.; creek width is approx. 10 ft.; area of slow flow. APPENDIX 13.2 2012/2013 PHOTOGRAPHIC DOCUMENTATION

Photo 1 South side of former production area, prior to demolition (view looking northwest from vicinity of soil sample location ECO-8) (March 2013).

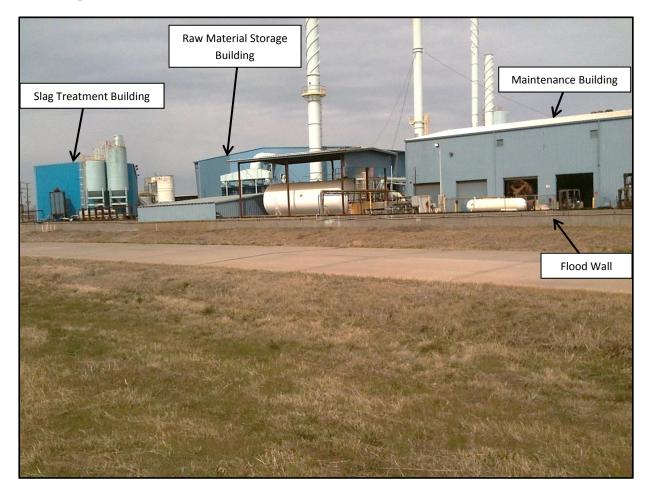


Photo 2 Looking upstream at Stewart Creek from south side of flood wall near Wastewater Treatment Facility (March 2013).



Photo 3 North side of former production area, during demolition (view looking south across the North Disposal Area) (March 2013).



Photo 4 Battery Receiving/Storage Building after roof was removed (view looking west) (April 2013).



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Appendix 13 Photographic Documentation

Photo 5 Interior of Slag Treatment Building, prior to demolition (March 2013).



Photo 6 South side of the Slag Treatment Building, prior to demolition (view looking northwest) (March 2013). Monitoring wells MW-26 (background) and MW-29 (foreground) are visible between the flood wall and Stewart Creek.



Photo 7 Interior of Raw Material Storage Building, prior to demolition (May 2013).



Photo 8 View from Slag Landfill looking eastward (March 2013).



Photo 9 Former railroad outfall for the North Tributary located south of the Slag Landfill near monitoring well MW-24 (March 2013).



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Appendix 13 Photographic Documentation

Photo 10 Current outfall for the North Tributary west of the Slag Landfill (May 2013).



Photo 11 Installation of monitoring well MW-23 on southeast side of Bale Stabilization Area (March 2013).



Photo 12 Installation of boring 2013-CUFT-6 along drainage ditch west of Crystallization Unit (March 2013).



Photo 13 Crystallization Unit Frac Tank (March 2013).



Photo 14 Black plastic chip observed in Shooting Range Berm test pit, prior to removal of the berm (April 2012).



Photo 15 Core from soil boring 2012-SL-2 (January 2012). White carbonate granules are visible suspended in a clay matrix, typical of the colluvial soils at the Site.



Photo 16 Eagle Ford Shale at MW-20 (January 2012).



Photo 17 Fill material in boring 2012-BY-4 from the Boneyard area of the Slag Landfill. Slag is visible in photo.



Photo 18 Gabion basket at boring location 2013-FWFS-1A.



Photo 19 Sediment sampling in Stewart Creek (January 2012).



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APPENDIX 17 HISTORICAL DATA

			Sa	mple Data									Reference	ces		
Sample	Sample	Sample	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
B1																
B1N-SB-001	06/14/90	0-0.5	8.4					58	6.2	2,3					2,3	2,3
B1N-SB-002	06/14/90	0.5-1	8.6					55	4.9	2,3					2,3	2,3
B1N-SB-003	06/14/90	1-1.5	8.7					58	5.3	2,3					2,3	2,3
B1N-SB-004	06/14/90	5	8.5					43	4.5	2,3					2,3	2,3
B1N-SB-005	06/14/90	10	7.7					19	1.4	2,3					2,3	2,3
B1N-SB-006	06/21/90	15	9.1					10	< 0.3	2,3					2,3	2,3
B1N-SB-007	06/21/90	20	9					14	1.1	2,3					2,3	2,3
B1N-SB-008	06/21/90	25	9.3					18	< 0.3	2,3					2,3	2,3
B1N-SB-009	06/21/90	30	9.3					16	< 0.3	2,3					2,3	2,3
B1N-SB-010	06/21/90	35	10	<20				18	< 0.3	2,3	2				2,3	2,3
B1N-SB-011	06/21/90	40	9.7	<20				14	< 0.3	2,0	2				2,3	2,3
B1N-SB-012	06/22/90	45	9.8					12	< 0.3	2,3					2,3	2,3
B1N-SB-013	06/22/90	50	10					10	< 0.3	2,3					2,3	2,3
B1N-SB-014	06/22/90	55	9.7					10	< 0.3	2,3					2,3	2,3
B1N-SB-015	06/21/90	60	9.6					12	< 0.3	2,3					2,3	2,3
BS1-SB-001B	06/20/90	0-0.5	7.7					178	2.9	2,3					2,3	2,3
BS-1-001	05/10/90	0-0.5						124	1.6						2,3	2,3
B2																
BS-2-001	05/10/90	0-0.5						156	2						2,3	2,3
BS2-SB-001B	06/20/90	0-0.5	7.7					539	5.4	2,3					2,3	2,3
B2N-SB-001	06/14/90	0-0.5	8.2	<20				12,400	7.4	3	3				3	3
B2N-SB-002	06/14/90	0.5-1	8.4	<20				87	3.3	3	3				3	3
B2N-SB-003	06/14/90	1-1.5	8	20				227	2.4	3	3				3	3
B2N-SB-004	06/14/90	5	7.5	<20				14	1.5	3	3				3	3
B2N-SB-005	06/14/90	10	6.6	<20				38	1.9	3	3				3	3
B2N-SB-006	06/14/90	15	6.4	30				26	< 0.3	5	3				3	3
B2M-001	07/11/90	0-0.5	8.3					180	2.3	2,3					2,3	2,3
B2M-002	07/11/90	0.5-1	8.2					354	2.8	2,3					2,3	2,3
B2M-002	07/11/90	1-1.5	7.7					106	2.3	2,3					2,3	2,3
B2M-004	07/11/90	5	7.3					16	< 0.3	2,3					2,3	2,3
B2M-005	07/11/90	10	7.4					23	< 0.3	2,3					2,3	2,3
B2M-006	07/11/90	13	5.6					45	< 0.3	2,3					2,3	2,3
B2R-001	07/11/90	0-0.5	8					1460	4.2	2,3					2,3	2,3
B2R-002	07/11/90	0.5-1	8					68	1.8	2,3					2,3	2,3
B2R-003	07/11/90	1-1.5	8.1					34	2	2,3					2,3	2,3
B2R-004	07/11/90	5	8.2					41	2.1	2,3					2,3	2,3
B2R-005	07/11/90	10	7.8					32	1.7	2,3					2,3	2,3
B2R-006	07/11/90	15	4.1					38	1.2	2,3					2,3	2,3

			Sa	mple Data									Reference	ces		
Sample	Sample	Sample	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
B3																
BS-3-001	05/10/90	0-0.5						9690	4.8						2,3	2,3
B3N-SB-001	06/13/90	0.5	7.3	60				48	< 0.3	3	3				3	3
BS3-SB-001B	06/20/90	0-0.5	7.5					12100	7.6	2,3					2,3	2,3
B3N-SB-002	06/13/90	1	7.5	30				37	0.7	3	3				3	3
B3N-SB-003	06/13/90	1.5	7.3	<20				42	< 0.3	3	3				3	3
B3N-SB-004	06/13/90	5	3.6	<20				37	< 0.3	3	3				3	3
B3N-SB-005	06/13/90	10	2.8	<20				37	< 0.3	3	3				3	3
B3N-SB-006	06/13/90	15	7.6					19	< 0.3	3					3	3
B3R-001	07/11/90	0.5	7.5					175	2.3	2,3					2,3	2,3
B3R-002	07/11/90	1	7.8					41	< 0.3	2,3					2,3	2,3
B3R-003	07/11/90	1.5	8					25	< 0.3	2,3					2,3	2,3
B3R-004	07/11/90	5	7.6					32	< 0.3	2,3					2,3	2,3
B3R-005	07/11/90	10	3.7					20	< 0.3	2,3					2,3	2,3
B4																
BS-4-001	05/10/90	0-0.5						345	2.3						2,3	2,3
B4N-SB-001	06/14/90	0-0.5	8.4	<20				75	1.6	3	3				3	3
B4N-SB-001B	06/20/90	0-0.5	7.9					72	2.1	2,3					2,3	2,3
BS4-SB-001B	06/20/90	0-0.5	8					163	0.9	2,3					2,3	2,3
B4N-SB-002	06/14/90	0.5-1	8.2	<20				77	2.2	3	3				3	3
B4N-SB-002B	06/20/90	0.5-1	8.2					43	2	2,3					2,3	2,3
B4N-SB-003	06/14/90	1-1.5	8.2	<20				41	1.6	3	3				3	3
B4N-SB-003B	06/20/90	1-1.5	8.3					38	1.7	2,3					2,3	2,3
B4N-SB-004	06/14/90	5	4.2	<20				24	< 0.3	3	3				3	3
B4																
B4N-SB-004B	06/20/90	5	4					27	< 0.3	2,3					2,3	2,3
B4N-SB-005	06/20/90	10	6.8					22	< 0.3	2,3					2,3	2,3
B4R-001	07/11/90	0-0.5	8.3					71	2.9	2,3					2,3	2,3
B4R-002	07/11/90	0.5-1	8.3					29	2	2,3					2,3	2,3
B4R-003	07/11/90	1-1.5	8.3					34	1.6	2,3					2,3	2,3
B4R-004	07/11/90	5	4.7					16	< 0.3	2,3					2,3	2,3
B5																
BS-5-001	05/10/90	0-0.5						819	2						2,3	2,3
B5N-SB-001	06/07/90	0-0.5	8					117	3	2,3					2,3	2,3
BS5-SB-001B	06/20/90	0-0.5	8					936	3.8	2,3					2,3	2,3
B5N-SB-002	06/07/90	0.5-1	7.9					56	3.5	2,3					2,3	2,3
B5N-SB-003	06/07/90	1-1.5	8.1					51	2.4	2,3					2,3	2,3
B5N-SB-004	06/07/90	5	7.8					30	3.5	2,3					2,3	2,3
B5N-SB-005	06/07/90	10	7.8					46	4.3	2,3					2,3	2,3
B5N-SB-006	06/07/90	15	8.1					25	< 0.3	2,3					2,3	2,3

			Sa	mple Data									Reference	ces		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
B6																
BS-6-001	05/07/90	0-0.5						63	3.6						2,3	2,3
BS-6-001	06/04/90	0-0.5		<20							2,3					
BS-6-001	06/04/90	0.5-1		<20							3					
BS-6-002	05/07/90	0.5-1						43	3.4						2,3	2,3
BS-6-002		0.5-1		<20							2					
BS-6-003	05/07/90	1-1.5						50	3.4						2,3	2,3
BS-6-003A (DUP)	05/07/90	1-1.5						41	3.1						2,3	2,3
BS-6-004	05/07/90	1.5-2						52	3						2,3	2,3
B7																
B7N-SB-001	05/10/90	0-0.5	8.1					201	2.7	2,3					2,3	2,3
B7N-SB-001B	06/20/90	0-0.5	7.7					374	5.5	2,3					2,3	2,3
B7N-SB-002	05/10/90	0.5-1	8					115	2.3	2,3					2,3	2,3
B7N-SB-002B	06/20/90	0.5-1	8.2					54	3.1	2,3					2,3	2,3
B7N-SB-003	05/10/90	1-1.5	7.9					102	2.5	2,3					2,3	2,3
B7N-SB-003B	06/20/90	1-1.5	8.1					49	3.9	2,3					2,3	2,3
B7N-SB-004	05/10/90	5	8.6					46	3.7	2,3					2,3	2,3
B7N-SB-005	05/10/90	10	8.8					44	4.2	2,3					2,3	2,3
B7N-SB-006	05/10/90	15	5.1					28	< 0.3	2,3					2,3	2,3
B7N-SB-007	05/10/90	20	7.3					17	< 0.3	2,3					2,3	2,3
B7N-SB-008	05/10/90	25	8.2					17	< 0.3	2,3					2,3	2,3
B8																
B8N-SB-001	05/15/90	0-0.5	8.2					45	2.2	2,3					2,3	2,3
B8N-SB-002	05/15/90	0.5-1	8.4					83	2.4	2,3					2,3	2,3
B8N-SB-003	05/15/90	1-1.5	7.9					81	2.2	2,3					2,3	2,3
B8N-SB-004	05/15/90	5	7.6					34	2.6	2,3					2,3	2,3
B8N-SB-005	05/15/90	10	7.5					26	0.6	2,3					2,3	2,3
B8N-SB-006	05/15/90	15	7					17	< 0.3	2,3					2,3	2,3
B8N-SB-007	05/15/90	20	7.7					19	< 0.3	2,3					2,3	2,3
B9																
B9N-SB-001	06/12/90	0-0.5	8.4					58	1.4	2,3					2,3	2,3
B9N-SB-002	06/12/90	0.5-1	8.2					42	1.2	2,3					2,3	2,3
B9N-SB-003	06/12/90	1-1.5	8.4					39	1.6	2,3					2,3	2,3
B9N-SB-004	06/12/90	5	8.5					36	4.3	2,3					2,3	2,3
B9N-SB-005	06/12/90	10	8.3					19	< 0.3	3					2,3	2,3
B9N-SB-006	06/12/90	15	6.6					19	< 0.3	2,3					2,3	2,3
MW 10																
MW10-SB-001	06/13/90	0-0.5	8.3					42	1.3	2,3					2,3	2,3
MW10-SB-001	05/07/90	0-0.5						1020	2.5						2,3	2,3
MW10-SB-001B	06/20/90	0-0.5	7.1					3250	3.9	2,3					2,3	2,3
MW10-SB-002	05/07/90	0.5-1	8.1					194	2.1	2,3					2,3	2,3
MW10-SB-002	06/13/90	0.5-1	8.1					30	0.9	3					2,3	2,3

			Sa	mple Data									Reference	ces		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	ТРН	Calcium	Chloride	Sulfate	Lead	Cadmium
MW 10										•						
MW10-SB-002B	06/20/90	0.5-1	7.5					584	2.9	2,3					2,3	2,3
MW10-SB-003	06/13/90	1-1.5	8.2					33	2.7	2,3					2,3	2,3
MW10-SB-003	05/07/90	1-1.5						60	3.1						3	3
MW10-SB-003A	05/07/90	1.5-2						41	2.6						2,3	2,3
MW10-SB-003A	06/13/90	1.5-2	8.3					33	3.6	3					2,3	2,3
MW10-SB-004	06/13/90	5	8.2					29	3.9	2,3					2,3	3
MW10-SB-005	06/13/90	10	6.9					11	< 0.3	3					2,3	3
MW10-SB-006	06/13/90	15	4.5					23	< 0.3	2,3					2,3	2,3
MW 11																
MW11-SB-001	06/11/90	0.5-1	7.3					44	1	2,3					2,3	2,3
MW11-SB-002	06/11/90	1.5	7.1					37	1.6	2					2,3	2,3
MW11-SB-003	06/11/90	1-1.5	7.3					66	2.5	2					2,3	2,3
MW11-SB-004	06/11/90	5	7.5					44	< 0.3	2					2,3	2,3
MW11-SB-005	06/11/90	10	7.2					33	3.8	2,3					2,3	2,3
MW11-SB-006		15	7.6					37	2.9	2					2	2
MW11-SB-006	06/11/90	15	5.3					12	< 0.3	3					3	3
MW 12																
MW12-SB-001	06/19/90	0-0.5	7.9					38	< 0.3	2,3					2,3	2,3
MW12-SB-002	06/19/90	0.5-1	7.5					50	1.3	2,3					2,3	2,3
MW12-SB-003	06/19/90	1-1.5	7.7					36	< 0.3	2,3					2,3	2,3
MW12-SB-004	06/19/90	5	7.5					26	2.1	2,3					2,3	2,3
MW12-SB-005	06/19/90	10	7.4					38	3.3	3					2,3	2,3
MW12-SB-006	06/19/90	15	3.9	<20				29	< 0.3	2,3	2,3				2,3	2,3
MW-13								-								
MW13-SB-001	06/18/90	0-0.5	6.6					77	2.9	2,3					2,3	2,3
MW13-SB-002	06/18/90	0.5-1	7					29	< 0.3	2,3					2,3	2,3
MW13-SB-003	06/18/90	1-1.5	6.5					21	< 0.3	2,3					2,3	2,3
MW13-SB-004	06/18/90	5	7.4					41	2.6	2,3					2,3	2,3
MW13-SB-005	06/18/90	10	7.1					38	2	3					2,3	2,3
MW13-SB-006	06/18/90	15	7.5	<20				43	2.8	2,3	2,3				2,3	2,3
MW13-SB-007	06/18/90	20	7.7					50	4.5	2,3					2,3	2,3
MW-14																
MW14-SB-001	06/18/90	0-0.5	8					38	3.2	2,3					2,3	2,3
MW14-SB-002	06/18/90	0.5-1	7.9					41	3.3	2,3					2,3	2,3
MW14-SB-003	06/18/90	1-1.5	8.1					31	2.9	2,3					2,3	2,3
MW14-SB-004	06/18/90	5	7.9					33	4.3	2,3					2,3	2,3
MW14-SB-005	06/18/90	10	7.5					26	2.8	2,3					2,3	2,3
MW14-SB-006	06/18/90	15	4.1	<20				14	< 0.3	2,3	2,3				2,3	2,3

			Sa	mple Data									Reference	es		
Sample	Sample	Sample	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
MW-15																
MW15-SB-001	06/11/90	0-0.5	8					148	3.3	2,3					2,3	2,3
MW15-SB-002	06/11/90	0.5-1	8.1					42	2.4	2,3					2,3	2,3
MW15-SB-003	06/11/90	1-1.5	7.9					38	1.8	2,3					2,3	2,3
MW15-SB-004	06/11/90	5	7.8					37	3	2,3					2,3	2,3
MW15-SB-005	06/11/90	10	7.3					29	3.1	2,3					2,3	2,3
MW15-SB-006	06/11/90	15	8.1					23	1.1	2,3					2,3	2,3
MW15-SB-007	06/11/90	20	7.8					38	3.1	2,3					2,3	2,3
MW-16																
MW16-SB-001	05/17/90	0-0.5	7.6					103	2.3	2,3					2,3	2,3
MW16-SB-002	05/17/90	0.5-1	7.9					65	2.2	2,3					2,3	2,3
MW16-SB-003	05/17/90	1-1.5	7.6					37	2.4	2,3					2,3	2,3
MW16-SB-004	05/15/90	5	7.9					21	1.8	2,3					2,3	2,3
MW16-SB-005	05/15/90	10	8					30	2	2,3					2,3	2,3
MW16-SB-006	05/15/90	15	8					21	1.8	2,3					2,3	2,3
MW16-SB-007	05/15/90	20	4.8					13	< 0.3	2,3					2,3	2,3
MW16-SB-008	05/17/90	25	7.5					< 5.00	< 0.3	2,3					2,3	2,3
MW16-SB-009	05/17/90	30	7.1					< 5.00	< 0.3	2,3					2,3	2,3
MW16-SB-010	05/17/90	35	9.2					11	0.9	2,3					2,3	2,3
MW16-SB-011	05/17/90	40	9.4					17	< 0.3	2,3					2,3	2,3
MW16-SB-012	05/17/90	45	9.4					21	0.6	2,3					2,3	2,3
MW16-SB-013	05/17/90	50	10.2					15	0.8	2,3					2,3	2,3
MW16-SB-014	05/17/90	55	10.1					15	< 0.3	2,3					2,3	2,3
MW16-SB-015	05/17/90	60	9.9					17	< 0.3	2,3					2,3	2,3
MW16-SB-016	05/17/90	65	10					17	< 0.3	2,3					2,3	2,3
MW16-SB-017	05/18/90	70	9.8					17	1.5	2,3					2,3	2,3
MW16-SB-018	05/18/90	75	9.9					23	1.3	2,3					2,3	2,3
MW16-SB-019	05/18/90	80	10					26	1.7	2,3					2,3	2,3
MW-16																
MW16-SB-020	05/18/90	85	10.2					23	1	2,3					2,3	2,3
MW16-SB-021	05/18/90	90	10.1					26	1.3	2,5					2,3	2,3
MW16-SB-022	05/18/90	95	10.1					21	0.9	2,3					2,3	2,3
MW16-SB-023	05/18/90	100	10					26	2.6	2,3					2,3	2,3
MW16-SB-024	05/18/90	105	9.6					21	1.3	2,3					2,3	2,3
MW16-SB-025	05/18/90	110	10					34	2.9	2,3					2,3	2,3
MW16-SB-026	05/18/90	115	10.1					17	1	2,3					2,3	2,3
MW16-SB-027	05/18/90	120	10.2					21	1.9	2,0					2,3	2,3
MW16-SB-028	05/18/90	125	10.2					6	2	2,3					2,3	2,3
MW16-SB-029	05/18/90	130	9.8					21	1.7	1,0					2,3	2,3
MW16-SB-030	05/18/90	135	9.8					23	1.7	2,3					2,3	2,3
MW16-SB-031	05/19/90	140	10.1					19	< 0.3	2,3					2,3	2,3
MW16-SB-032	05/19/90	145	10.2					17	< 0.3	2,3					2,3	2,3

			Sa	mple Data									Reference	es		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
MW-16																
MW16-SB-033	05/19/90	150	9.8					17	< 0.3	2,3					2,3	2,3
MW16-SB-034	05/19/90	NS	NS					NS	NS	3					3	3
MW16-SB-035	05/19/90	160	9.6					17	< 0.3	2,3					2,3	2,3
MW16-SB-036	05/19/90	165	10					17	< 0.3	2,3					2,3	2,3
MW16-SB-037	05/19/90	170	10.2					15	< 0.3	2,3					2,3	2,3
MW16-SB-038	05/19/90	175	10.1					13	< 0.3	2,3					2,3	2,3
MW16-SB-039	05/21/90	180	10					13	< 0.3	2,3					2,3	2,3
MW16-SB-040	05/21/90	185	10					19	< 0.3	2,3					2,3	2,3
MW16-SB-041	05/22/90	190	10.2					26	< 0.3	2,3					2,3	2,3
MW16-SB-042	05/22/90	195	10					19	< 0.3	2,3					2,3	2,3
MW16-SB-043	05/22/90	200	9.6					17	< 0.3	2,3					2,3	2,3
MW16-SB-044	05/22/90	205	10.1					15	< 0.3	2,3					2,3	2,3
MW16-SB-045	05/22/90	210	10					22	< 0.3	2,3					2,3	2,3
MW16-SB-046	05/22/90	215	10					32	< 0.3	2,3					2,3	2,3
MW16-SB-047	05/22/90	220	9.7					28	< 0.3	2,3					2,3	2,3
MW16-SB-048	05/22/90	225	10.2					25	1.4	2,3					2,3	2,3
MW16-SB-049	05/22/90	230	9.9					28	1.3	2,5					2,3	2,3
MW16-SB-050	05/22/90	235	9.9					30	1.5	2,3					2,3	2,3
MW16-SB-051	05/23/90	240	10					32	1.3	2,3					2,3	2,3
MW16-SB-052	05/23/90	245	9.8					25	< 0.3	2,3					2,3	2,3
MW16-SB-053	05/23/90	250	10					28	< 0.3	2,3					2,3	2,3
MW16-SB-054	05/23/90	255	9.8					30	< 0.3	2,3					2,3	2,3
MW16-SB-055	05/23/90	260	10.1					25	<0.3	2,3					2,3	2,3
MW16-SB-056	05/23/90	265	10.3					21	< 0.3	2,3					2,3	2,3
MW-16S																
MW16S-SB-001	06/06/90	0-0.5	7.9					41	2.8	2,3					2,3	2,3
MW16S-SB-002	06/06/90	0.5-1	8.4					93	3	2,3					2,3	2,3
MW16S-SB-003	06/06/90	1-1.5	8.5					41	3.3	2,3					2,3	2,3
MW16S-SB-004	06/06/90	5	8.4					46	2.7	2,3					2,3	2,3
MW16S-SB-005	06/06/90	10	7.6					41	3	2,3					2,3	2,3
MW16S-SB-006	06/06/90	15	8.5					37	2.1	2,3					2,3	2,3
MW-17	0.010 = 14.5															
MW17-SB-001	06/07/90	0-0.5	7.7					11500	8.1	2,3					2,3	2,3
MW17-SB-002	06/07/90	0.5-1	8.2					41	2.4	2,3					2,3	2,3
MW17-SB-003	06/07/90	1-1.5	8					70	3	2,3					2,3	2,3
MW17-SB-004	06/07/90	5	7.8					39	3.5	2,3					2,3	2,3
MW17-SB-005	06/07/90	10	8					37	4	3					2,3	2,3
MW17-SB-006	06/07/90	15	3.9					28	<0.3	2,3					2,3	2,3

			Sa	mple Data					-				Reference	ces		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
MW-18																
MW18-SB-001	06/12/90	0.5	7.4					134	1.6	3					3	3
MW18-SB-002	06/12/90	1	7.5					39	< 0.3	3					3	3
MW18-SB-003	06/12/90	1.5	7.6					37	2.9	3					3	3
MW18-SB-004	06/12/90	5	7.9					42	1.3	3					3	3
MW18-SB-005	06/12/90	10	7.2					14	< 0.3	3					3	3
MW18-SB-006	06/12/90	15	6					16	< 0.3	3					3	3
P1																
P1-SB-001	05/07/90	0-0.5						95	2.4						2,3	2,3
P1-SB-001	06/04/90	0-0.5		<20							2,3					
P1																
P1-SB-002	05/07/90	0.5-1						45	1						2,3	2,3
P1-SB-002	06/04/90	0.5-1		<20							2,3					
P1-SB-003	05/07/90	1-1.5						340	< 0.3						2,3	2,3
P1-SB-003	06/04/90	1-1.5		<20							2,3					
P1-SB-004	05/08/90	5	8.1					28	2.3	2,5					2,3	2,3
P1-SB-005	05/08/90	10	8.5					37	3.7	3					2,3	2,3
P1-SB-006	05/08/90	15	8.3					26	0.9	2,3					2,3	2,3
P1-SB-007	05/08/90	20	7.5					19	1	2,3					2,3	2,3
P1-SB-003B	06/20/90	1-1.5	7.9					98	2.6	2,3					2,3	2,3
P1-SB-003A	05/07/90	1.5-2						50	1.1						2,3	2,3
P2																
P2-SB-001	05/07/90	0-0.5						122	2.6						2,3	2,3
P2-SB-001	05/24/90	0-0.5		<20							2,3					
P2-SB-001B	06/20/90	0-0.5	7.8					137	2.9	2,3					2,3	2,3
P2-SB-002	05/07/90	0.5-1						120	2.9						2,3	2,3
P2-SB-002	05/24/90	0.5-1		<20							2,3					
P2-SB-002B	06/20/90	0.5-1	8.4					56	3.3	2,3					2,3	2,3
P2-SB-003	05/07/90	1-1.5						34	2.4						2,3	2,3
P2-SB-003	05/24/90	1-1.5		<20							2,3					
P2-SB-003A	05/07/90	1.5-2						39	3						2,3	2,3
P2-SB-004	05/09/90	5	8.6					26	2.9	2,3					2,3	2,3
P2-SB-005	05/09/90	10	8.2					24	0.9	2,3					2,3	2,3
P2-SB-006	05/09/90	15	7.4					11	< 0.3	2,3					2,3	2,3
P2-SB-007	05/09/90	20	8.2					19	< 0.3	2,3					2,3	2,3
P2-SB-008	05/09/90	25	8.4					22	0.8	2,3					2,3	2,3
Detention Pond Tran								655		-						
SS13293	03/02/93							655							6	
SS23293	03/02/93							1,010							6	

			Sa	mple Data									Reference	es		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
Micellaneous Stained	Soils															
MISOIL #1R	10/12/94		7.5		68800	12.4	554	989	27.4	4		4	4	4		
MISOIL #1R	10/03/94		7.48		78300	334	11700	5,980	97.1	5		5	5	5		
MISOIL #2R	10/12/94		7.7		72000	16.1	535	822	4.8	4		4	4	4		
MISOIL #2R	10/03/94		6.32		37000	2350	175000	985	172	5		5	5	5		
MISOIL #3R	10/12/94		7.5		70500	7.48	57.3	1,010	6.8	4		4	4	4		
MISOIL #3R	10/03/94		7.91		75300	9.98	727	299	4.6	5		5	5	5		
MISOIL #4R	10/12/94		7.8		71500	<5	54.2	699	8.1	4		4	4	4		
MISOIL #4R	10/03/94		8.84		86900	<120	7030	486	6.5	5		5	5	5		
Truck Staging Area																
TS-1	06/04/98							84.6							7	
TS-2	06/04/98							53.3							7	
NTS 1	06/04/98							381							7	
NTS 2	06/04/98							11300							7	
Railroad Spur																
RRS #1b	06/18/98	0.5-1						1290							7	
RRS #1c	06/18/98	1-1.5						10100							7	
RRS #1c (dup)	06/18/98	1-1.5						13300							7	
RRS #1d	06/18/98	1.5-2						987							7	
RRS #1e	06/18/98	2-4						16.5							7	
RRS #1e (dup)	06/18/98	2-4						10.7							7	
RRS #2a	06/18/98	0-0.5						8240							7	
RRS #2b	06/18/98	0.5-1						4890							7	
RRS #2c	06/18/98	1-1.5						1510							7	
RRS #2d	06/19/98	1.5-2						74.8							7	
RRS #2e	06/20/98	2-4						59.9							7	
RRS #3b	06/18/98	0.5-1						30200							7	
RRS #3c	06/18/98	1-1.5						657							7	
RRS #3d	06/18/98	1.5-2						214							7	
RRS #3e	06/18/98	2-4						65.9							7	
RRS #4c	06/18/98	1-1.5						8000							7	
RRS #4d	06/18/98	1.5-2						1420							7	
RRS #4e	06/18/98	2-4						1370							7	
RRS #4f	06/18/98	2-4						179							7	
Area Adjacent to B7R	06/10/02							57.0								
NTSB #1e (GNB RFI)		2-4						57.8							7	
NTSB #1f	06/18/98	2-4						85.2							7	
NTSB #1g	06/18/98	2-4						93.5							7	
NTSB #1g (dup)	06/18/98	2-4						21.9							7	

			Sa	mple Data	l								Reference	ces		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
South Disposal Area																
SDA #1a	06/18/98	0-0.5						201							7	
SDA #1b	06/18/98	0.5-1						72.5							7	
SDA #1c	06/18/98	1-1.5						10.9							7	
SDA #1d	06/18/98	1.5-2						21							7	
SDA #1e	06/18/98	2-4						14.1							7	
SDA #2a	06/18/98	0-0.5						7030							7	
SDA #2b	06/18/98	0.5-1						19.1							7	
SDA #2c	06/18/98	1-1.5						10.8							7	
SDA #2d	06/18/98	1.5-2						17.8							7	
SDA #2e	06/18/98	2-4						29.8							7	
SDA #3a	06/18/98	0-0.5						6020							7	
SDA #3b	06/18/98	0.5-1						42.9							7	
SDA #3c	06/18/98	1-1.5						21.8							7	
SDA #3d	06/18/98	1.5-2						30.1							7	
SDA #3e	06/18/98	2-4						10.8							7	
SDA #3e (dup)	06/18/98	2-4						274							7	
SDA #4a	06/18/98	0-0.5						17800							7	
SDA #4b	06/18/98	0.5-1						61							7	
SDA #4c	06/18/98	1-1.5						55.2							7	
SDA #4d	06/18/98	1.5-2						24.2							7	
SDA #4e	06/18/98	2-4						9.4							7	
SDA #4e	06/18/98	2-4						21.7							7	
SDA #5a	06/18/98	0-0.5						292							7	
SDA #5b	06/18/98	0.5-1						1100							7	
SDA #5c	06/18/98	1-1.5						16.1							7	
SDA #5c (dup)	06/18/98	1-1.5						23.2							7	
SDA #5d	06/18/98	1.5-2						24.9							7	
SDA #5e	06/18/98	2-4						5.69							7	
SDA #6a	06/18/98	0-0.5						317							7	
SDA #6b	06/18/98	0.5-1						25.2							7	
SDA #6c	06/18/98	1-1.5						42.6							7	
SDA #6d	06/18/98	1.5-2						11.5							7	
SDA #6e	06/18/98	2-4						<5							7	
SDA #7a	06/18/98	0-0.5						274							7	
SDA #7b	06/18/98	0.5-1						17.6							7	
SDA #7c	06/18/98	1-1.5						13.2							7	
SDA #7d	06/18/98	1.5-2						<5							7	
SDA #7e	06/18/98	2-4						12.4							7	
SDA #7e (dup)	06/18/98	2-4						7.29							7	
SDA #8f	06/18/98	2-4						809							7	
SDA #8g	06/18/98	2-4						1240							7	

			Sa	mple Data					-				Reference	es		
Sample	Sample	Sample	pH	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium							
ID	Date	Depth (ft)	(pH units)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	pН	TPH	Calcium	Chloride	Sulfate	Lead	Cadmium
South Disposal Area																
SDA #8h	06/18/98	2-4						78.9							7	
SDA #8i	06/18/98	2-4						<5							7	
SDA #9-1a	06/18/98	0-0.5						2540							7	
SDA #9-1b	06/18/98	0.5-1						28800							7	
SDA #9-1c	06/18/98	1-1.5						328							7	
SDA #9-2a	06/18/98	0-0.5						20500							7	
SDA #9-2b	06/18/98	0.5-1						17800							7	
SDA #9-2c	06/18/98	1-1.5						1060							7	
SDA #9-2d	06/18/98	1.5-2						784							7	
SDA #9-2e	06/18/98	2-4						31.6							7	
SDA #10a	06/18/98	0-0.5						114							7	
SDA #10b	06/18/98	0.5-1						42.8							7	
SDA #10c	06/18/98	1-1.5						36.2							7	
SDA #10d	06/18/98	1.5-2						307							7	
SDA #10e	06/18/98	2-4						10.8							7	
SDA #10e (dup)	06/18/98	2-4						7.18							7	
Old Drum Storage Ar	ea															
1	01/05/87							1,460	12						1	1
2	01/05/87							11,730	58						1	1
3	01/05/87							11,070	62						1	1
4	01/05/87							52,820	134						1	1
5	01/05/87							26,290	184						1	1
6	01/05/87							18,640	208						1	1
7	01/05/87							22,180	112						1	1
8	01/05/87							16,720	42						1	1
9	01/05/87							25,200	68						1	1
10	01/05/87							25,370	110						1	1

Reference Summary

Reference	Referenced
Number	Document
1	GNB Incorporated (GNB), 1987b. Letter to TWC RE: (1) Agreed Order Dated March 23, 1987 Between Water Commission and GNB Incorporated, Frisco, Texas (SWR# 30516), p. 5, Order (2); (2) Report "Soil Clean-Up of Old Drum Storage Area Enclosed (Enclosure 2) in letter dated April 29, 1987 to L. R. Soward from A.H. Larson - Certified Mail # P 649 040 215. June 16.
2	Lake Engineering, Inc. (Lake), 1991. RCRA Facility Investigation for GNB Incorporated, Frisco, Texas. May 8.
3	GNB Incorporated (GNB), 1987a. Interim Status Closure Plan for Battery Case Chip Waste Piles, May.
4	Delta Environmental Consultants (Delta), 1994. Miscellaneous Stained Soil Samples, October 20.
5	Delta Environmental Consultants (Delta), 1994. Miscellaneous Stained Soil Samples, October 6.
6	GNB Incorporated (GNB), 1993. Letter to TWC RE: Soil samples from transfer pipe GNB Incorporated, Frisco, Texas. March 25.
7	JD Consulting, L.P. (JDC), 1998. Phase II RFI Report, GNB Technologies, Inc., Frisco, Texas. August 28.
Notes:	

Sample locations shown as described in original referenced reports.
 Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

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				Sample Data	ı							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
B-1	5/20/1983	8.76	< 0.01		0.004	< 0.01	0.022	112	1	1,3		1,3	24	1,3	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	9.90	0.02		< 0.01		< 0.01	258	5	3,5*		3,5		3,5	5
	12/20/1984	10.90	< 0.01		< 0.01		< 0.01	189	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	204		24		24		24	24
	4/25/1986		0.01							3					
	1/26/1987		0.03		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05		< 0.05					3		24			
	12/19/1988			< 0.1		< 0.05				24	24		24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		
	2/1/1989		< 0.02	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	2/8/1990		0.53	< 0.005	0.11	< 0.01				24	24	24	24		
	7/17/1990	8.30	0.15	0.001	< 0.005	< 0.005			24	10	10	10	10		
	7/18/1990	NS				< 0.005			24	24			24		
	July 1990	8.3	0.15	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.026	0.005	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	Sept. 1990	7.5	0.026	0.005	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS							24	24	-				
	12/6/1990	NS							24	24					
	12/12/1990	NS							24	24					
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24	24	24	24	24		
	1/24/1991	NS	DRY	DRY					24	12	12				
	1/25/1991	7.50	0.06		< 0.005	NS			24	22		22	24		
	Jan 1991		0.06	NS	NS	< 0.005				23	23	23	23		
	3/7/1991	NS							24	24	20	20	20		
	3/8/1991	NS	NS	NS					24	12	12				
	3/9/1991	NS			NS				24	24	12	24			
	3/10/1991	NS		NS		NS			24	24	24		24		
	March 1991	NS	NS	NS	< 0.005	NS			23	23	23	23	23		
	6/29/1991	9.30	NS	NS					23	12	12				ł
	6/30/1991		0.06		< 0.005	NS				22		22	24		
	8/23/1991	8.90	0.44	0.009					24	12	12				
	8/25/1991		0.44	0.009	< 0.005	< 0.005				22	22	22	24		1
	11/10/1991	NS	DRY	DRY	DRY	DRY			24	12, 22	12, 22	22	22		1
	2/22/1992		0.01	< 0.002					21	12, 22	12, 22				ł
	2/22/1992	8.20		< 0.002	< 0.005	< 0.005			24	24	12	24	24		ł
	4/11/1992		DRY	DRY	< 0.005				21	12	12	21	21		1
	4/12/1992	NS			DRY				24	24	12	24			<u> </u>
	6/12/1992		DRY	DRY					27	12	12	27			
	6/14/1992	7.30			DRY				24	24	12	24			
	8/8/1992		DRY						24	12		24			<u> </u>

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				Sample Data	1							Referer	nces		
			Total	~~- F	Total			i	i i i i i i i i i i i i i i i i i i i			Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/9/1992	NS			DRY				24	24	(8//	24	(8//	(8,)	(8/)
	10/9/1992		DRY							12					
	10/11/1992	NS			DRY				24	24		24			
	2/21/1993	NS	DRY	DRY					24	11	11				
	4/25/1993	NS	DRY	DRY					24	11	11				
	6/6/1993	6.30	DRY	DRY					24	11	11				
	8/8/1993	NS	DRY	DRY					24	11	11				
	10/8/1993		DRY	DRY						11	11				
	10/10/1993	NS	DRY	DRY					24	24	24				
	12/12/1993	NS	DRY	DRY					24	11	11				
	2/13/1994	NS	DRY	DRY					24	24	24				
	4/17/1994	NS	DRY	DRY					24	24	24				
	6/12/1994	NS	DRY	DRY					24	24	24				
	8/28/1994	NS	DRY	DRY					24	24	24				
	10/30/1994	NS	DRY	DRY					24	24	24				
	1/29/1995	NS	DRY	DRY					24	15	15				
	3/31/1995		DRY	DRY						15	15				
	5/21/1995	NS	DRY	DRY					24	15	15				
	7/30/1995		DRY	DRY						15	15				
	9/24/1995	NS	DRY	DRY					24	15	15				
	11/19/1995	6.90	DRY	DRY					24	15	15				
	1/27/1996	NS	NS	NS					24	14	14				
	3/31/1996	NS	DRY	DRY					24	14	14				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	14	14				
	11/10/1996	7.20	0.022	0.004					24	14	14				
	1/25/1997	NS	NS	NS					24	13	13				
	1/27/1997		DRY	DRY						24	24				
	3/15/1997	NS							24	24					
	3/16/1997		NS	NS					1	13	13				
	5/18/1997	NS	DRY	DRY					24	13	13				
	8/3/1997	NS	NS	NS					24	13	13				
	9/28/1997	NS	NS	NS					24	13	13				
	11/16/1997	NS	NS	NS					24	13	13				
	3/29/1998	NS	NS	NS					24	17	17				
	5/17/1998	NS	NS	NS					17	17	17				
	7/26/1998	DRY	DRY	DRY					17	17	17				
	9/27/1998	DRY	DRY	DRY					17	17	17				
	11/22/1998	6.91	0.049	< 0.005					17	17	17				
	5/24/1999	NS	NS	NS					18	16, 18	16, 18				
	7/29/1999	NS	NS	NS					18	16, 18	16, 18				
	10/3/1999	NS	NS	NS					18	16, 18	16, 18				
	11/14/1999								18	18	18				
	1/16/2000								19	19	19				

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				Sample Data	ı							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	4/9/2000	NS	DRY	DRY					24	24	24				
	7/30/2000	NS	NS	NS					24	24	24				
	3/23/2001	NS	NS	NS					20	20	20				
	7/1/2001								20	20	20				
	8/12/2001	NS	NS	NS					20	20	20				
	11/4/2001	NS	NS	NS					20	20	20				
	3/8/2002	NS	NS	NS					21	21	21				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	NS	NS	NS					24	24	24				
	3/27/2003	NS	DRY	DRY					24	24	24				
	6/26/2003	NS	DRY	DRY					24	24	24				
	7/18/2003	NS	DRY	DRY					24	24	24				
	12/22/2003	NS	DRY	DRY					24	24	24				
	3/31/2004	NS	DRY	DRY					24	24	24				
	3/20/2005	NS	DRY	DRY					24	24	24				
	11/22/2005	NS	DRY	DRY					24	24	24				
B1-S	5/20/1983		NS		NS	< 0.01				24		24	24		
	9/16/1983		< 0.01		< 0.01					2		2			
	5/22/1984	7.30	< 0.01		< 0.01		< 0.01	400	5	3,5		5		5	5
	12/20/1984	7.40	< 0.01		< 0.01		< 0.01	244	6	3		3,6*		6	6
	7/23/1985		0.02		< 0.01		< 0.01	225		24		24		24	24
	4/25/1986		0.01							3					
	1/26/1987		0.02		< 0.01				1	24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05				24			24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		
	2/1/1989		< 0.02	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		1
	2/8/1990		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		1
	7/17/1990	NS	NS	NS	NS				24	24	24	24			1
	7/18/1990	NS				NS			24	1		1	24		
	9/27/1990		NS	NS	NS	NS				24	24	24	24		1
	12/5/1990	NS							24	1		1			
	12/6/1990	NS							24						1
	12/12/1990	NS							24						1
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				1
	1/25/1991	NS	NS		NS	NS			24	24		24	24		1
	3/7/1991	NS							24						1
	3/8/1991	NS	NS						24	24					1
	3/9/1991	NS			NS				24			24			

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/10/1991	NS		NS		NS			24		24		24		
	6/29/1991	NS	NS	NS					24	24	24				
	6/30/1991				NS	NS						24	24		
	8/23/1991	NS	NS	NS					24	24	24				
	8/25/1991				NS	NS						24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS						24	24				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS						24	24				
	4/12/1992	NS			NS				24			24			
	6/12/1992		NS	NS						24	24				
	6/14/1992	NS			NS				24			24			
	8/8/1992		NS							24					
	8/9/1992	NS			NS				24			24			
	10/9/1992		NS							24					
	10/11/1992	NS			NS				24			24			
	2/21/1993	NS	NS	NS					24	24	24				
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				
	10/10/1993	NS	NS	NS					24	24	24				
	12/12/1993	NS	NS	NS					24	24	24				
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1995	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				
	7/30/1995		NS	NS						24	24				
	9/24/1995	NS	NS	NS					24	24	24				
	11/19/1995	NS	NS	NS					24	24	24				
	1/27/1996	NS	NS	NS					24	24	24				
	3/31/1996	NS	NS	NS					24	24	24				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	24	24				
	11/10/1996	NS	NS	NS					24	24	24				
	1/25/1997	NS							24						
	1/27/1997		NS	NS						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						24	24				
	5/18/1997	NS	NS	NS					24	24	24				
	8/3/1997	NS	NS	NS					24	24	24				
	9/28/1997	NS	NS	NS					24	24	24				

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	11/16/1997	NS	NS	NS					24	24	24				
	3/29/1998	NS	NS	NS					24	24	24				
	5/17/1998	NS	NS	NS					24	24	24				
	7/26/1998	NS	NS	NS					24	24	24				
	11/22/1998	NS	NS	NS					24	24	24				
	5/24/1999	NS	NS	NS					24	24	24				
	7/29/1999	NS	NS	NS					24	24	24				
	10/3/1999	NS	NS	NS					24	24	24				
	11/14/1999	NS	NS	NS					24	24	24				
	1/16/2000	NS	NS	NS					24	24	24				
	4/9/2000	NS	NS	NS					24	24	24				
	7/30/2000	NS	NS	NS					24	24	24				
	3/23/2001	NS	NS	NS					24	24	24				
	7/1/2001	NS	NS	NS					24	24	24				
	8/12/2001	NS	NS	NS					24	24	24				
	11/4/2001	NS	NS	NS					24	24	24				
	3/8/2002	NS	NS	NS					24	24	24				
	6/30/2002	NS	NS	NS					24	24	24				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	NS	NS	NS					24	24	24				
	3/27/2003	NS	NS	NS					24	24	24				
	6/26/2003	NS	NS	NS					24	24	24				
	7/18/2003	NS	NS	NS					24	24	24				
	12/22/2003	NS	NS	NS					24	24	24				
	3/31/2004	NS	NS	NS					24	24	24				
	3/20/2005	NS	NS	NS					24	24	24				
	11/22/2005	NS	NS	NS					24		24				
B-2	5/20/1983	7.47	0.13		0.017	< 0.01	0.002	1,200	1	1,3		1,3		1	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	6.30	< 0.01		< 0.01		0.02	2539	5	3,5		3,5		5	5
	12/20/1984	6.20	< 0.01		0.02		0.02	5580	6	3,6		3,6		6	6
	7/23/1985		< 0.01		0.04		< 0.01	5500		24		24		24	24
	4/25/1986		0.02						1	3					
	1/26/1987		0.1		0.05					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01			[3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05			l	24			24		
	1/31/1989		< 0.005	< 0.005	< 0.01	0.01				9	9	9	9		
	2/1/1989		0.11	0.1	0.03	0.03				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	0.011	< 0.01				24	24	24	24		
	2/8/1990		< 0.005	< 0.005	0.22	0.23				24	24	24	24		
	7/17/1990	5.30	0.005	0.002	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005							24		
	July 1990	5.3	0.005	0.002	< 0.005	< 0.005			23	23	23	23	23		

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				Sample Data	1				:			Referen	ices		
			Total		Total				Í.			Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	9/27/1990		0.008	0.008	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	Sept. 1990	4.7	0.008	0.008	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS	0.006	0.006					24	12	12				
	12/6/1990	4.70	0.006	0.006	< 0.005	< 0.005			24	10, 22	10, 22	10, 22	10, 22		
	12/12/1990	NS							24						
	12/13/1990	NS	0.006			< 0.005			24	24			24		
	12/20/1990	NS		0.006	< 0.005	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24			24		
	Jan. 1991		0.006	0.006	< 0.005	< 0.005			2 I	23	23	23	23		
	3/7/1991	NS							24						
	3/8/1991	NS	0.009	0.005		< 0.005			24	12	10, 12		10		
	3/9/1991	4.20	0.009	0.005	< 0.005				10	10, 22	22	10, 22	-		1
	3/10/1991	NS		0.005		< 0.005			24		24		24		
	March 1991	4.2	0.009	0.005	< 0.005	< 0.006			23	23	23	23	23		
	6/29/1991	4.70	0.016	0.018					24	12	12				
	6/30/1991		0.016	0.018	< 0.005	< 0.005			21	22	22	22	24		
	8/23/1991	4.50	0.006	0.002					24	12	12		2.		
	8/25/1991		0.006	0.002	< 0.005	< 0.005				24	24	22	24		
	11/10/1991	4.40	0.000	0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.001	0.005					24	12, 22	12, 22	22	24		
	2/22/1992	4.30			< 0.005	< 0.005			24	12	12	24	24		
	4/11/1992	4.50	< 0.002	0.003	< 0.005				24	12	12	24	24		
	4/12/1992	4.30	< 0.002		< 0.005				24	12	12	24			
	6/12/1992	4.50	0.004	< 0.002	< 0.005				24	12	12	24			
	6/14/1992	4.50		< 0.002	< 0.005				24	12	12	24			
	8/8/1992	4.30	0.005		< 0.005				24	12		24			<u> </u>
	8/9/1992	5.60			< 0.005				24	12		24			<u> </u>
	10/9/1992	5.00	0.007		< 0.005				24	12		24			
	10/9/1992	4.50			< 0.005				24	12		24			
	2/21/1993		0.004	0.004						11	11	24			<u> </u>
		4.70	0.004						24		11				
	4/25/1993	4.50		0.008					24	11					
	6/6/1993	5.00	0.007	0.006					24	11	11				
	8/8/1993	4.70	0.006	< 0.002					24	11	11				───
	10/8/1993		0.006	0.004						11	11				───
	10/10/1993	3.80	0.006	0.004					24	24	24				───
	12/12/1993	4.00	0.005	0.005					24	11	11				──
	2/13/1994	4.80	0.007	0.007					24	24	24				──
	4/17/1994	4.40	0.006	0.006					24	24	24				
	6/12/1994	4.00	0.012	0.003					24	24	24				───
	8/28/1994	4.70	< 0.001	< 0.001					24	24	24				\vdash
	10/30/1994	4.00	0.013	0.008					24	24	24				L
	1/29/1995	4.30	0.006	0.006					24	15	15				
	3/31/1995		0.009	0.004					<u> </u>	15	15				
	5/21/1995	3.50	0.011	0.005					24	15	15				

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	ı							Referer	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/30/1995		0.014	0.008						15	15				
	9/24/1995	3.50	0.009	0.018					24	15	15				
	11/19/1995	3.20	0.005	0.006					24	15	15				
	1/27/1996	4.20	0.004	0.006					24	14	14				
	3/31/1996	3.30	0.006	0.006					24	14	14				
	5/19/1996	3.20	0.004	0.007					24	14	14				
	7/21/1996	4.00	0.009	0.006					24	14	14				
	9/8/1996	3.60	0.007	0.005					24	14	14				
	11/10/1996	3.90	0.006	0.008					24	14	14				
	1/27/1997	3.60	0.008	0.008					24	13	13				
	3/15/1997	3.80							24						
	3/16/1997		0.006	0.006						13	13				
	5/18/1997	3.80	0.007	0.007					24	13	13				
	8/3/1997	3.89	0.009	0.003					24	13	13				
	9/28/1997	3.90	0.015	0.006					24	13	13				
	11/16/1997	3.59	0.007	0.008					24	13	13				
	3/29/1998	4.18	0.002	< 0.002					17	17	17				
	5/17/1998	4.18	NS	NS					17	17	17				
	7/26/1998	NS	NS	NS					17	17	17				
	9/27/1998	3.81	< 0.001	< 0.001					17	17	17				
	11/22/1998	4.05	< 0.005	< 0.005					17	17	17				
	5/24/1999	NS	0.012	< 0.005					18	16, 18	16, 18				
	7/29/1999	NS	< 0.005	< 0.005					18	16, 18	16, 18				
	10/3/1999	NS	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999		< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000								19	19	19				
	4/9/2000	4.00	0.04	0.011					24	24	24				
	7/30/2000	3.73	0.028	< 0.010					24	24	24				
	3/23/2001	NS	< 0.010	0.011					20	20	20				
	7/1/2001		< 0.010	< 0.011					20	20	20				
	8/12/2001	NS	0.012	< 0.010					20	20	20				
	11/4/2001	NS	0.012	0.011					20	20	20				
	3/8/2002	NS	NS	NS					20	20	20				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	3.80	< 0.010	< 0.010					24	24	24				
	3/27/2003	4.02	0.008	0.016					24	24	24				
	6/26/2003	NS	NS	NS					24	24	24				
	7/18/2003	NS	DRY	DRY					24	24	24				
	12/22/2003	NS	DRY	DRY					24	24	24				
	3/31/2004	NS	DRY	DRY					24	24	24				
	3/20/2005	3.87	0.013	< 0.006					24	24	24				
	11/22/2005	NS	DRY	DRY					24	24	24				
B-3	5/20/1983	8.96	< 0.01		0.015	< 0.01	0.013	201	1	1,3	24	1,3	24	1	1
5-5	9/16/1983	0.90	< 0.01		< 0.013	< 0.01		201	1	2,3		2,3	24	1	1

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	5/22/1984	7.70	< 0.01		< 0.01		0.02	506	5	3,5		3,5		5	5
	12/20/1984	7.90	< 0.01		0.01		< 0.01	854	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	839		24		24		24	24
	4/25/1986		0.02							3					
	1/26/1987		0.07		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		NS					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05				24			24		
	1/31/1989		NS	NS	NS	NS			l	24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	9/27/1990		0.015	0.002	< 0.005	< 0.005				10,12*	10,12*	10	10		
	2/8/1990		0.19	< 0.005	0.07	< 0.01				24	24	24	24		
	7/17/1990	6.00	0.038	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS							24						
	July 1990	6	0.038	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.038	0.001	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	6.2	0.015	0.002	< 0.005	< 0.005			23	23	23	23	24		
	12/5/1990	NS	0.028	0.028					24	12	12				
	12/6/1990	6.20	0.028	0.028	< 0.005	< 0.005			24	10, 22	22	10, 22	22		
	12/12/1990	NS							24						
	12/13/1990	NS	0.028			< 0.005			24	24			24		
	12/20/1990	NS		0.028	< 0.005	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	Jan. 1991		0.028	0.028	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS	0.016	< 0.001					24	12	12				
	3/8/1991	5.70	0.016	< 0.001	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		
	3/9/1991	NS			< 0.005				24						
	3/10/1991	NS		< 0.001		< 0.005			24				24		
	March 1991	5.7	0.016	< 0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	6.00	0.017	0.003					24	12	12				
	6/30/1991		0.017	0.003	< 0.005	< 0.005				22	22	22	24		
	8/23/1991	6.30	0.012	< 0.001					24	12	12				
	8/25/1991		0.012	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	5.60	0.012	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.007	0.002						12	12				
	2/23/1992	5.30			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.005	< 0.002						12	12				
	4/12/1992	5.50			< 0.005				24			24			
	6/12/1992		< 0.002	< 0.002						12	12				
	6/14/1992	5.90			< 0.005				24			24			
	8/8/1992		< 0.002							12					
	8/9/1992	6.70			< 0.005				24			24			1

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	10/9/1992		DRY							12					
	10/11/1992	6.10			DRY				24			24			
	2/21/1993	6.40	0.006	< 0.002					24	11	11				
	4/25/1993	5.50	0.005	< 0.002					24	11	11				
	6/6/1993	6.70	0.004	0.008					24	11	11				
	8/8/1993	6.20	0.012	< 0.002					24	11	11				
	10/8/1993		DRY	DRY						11	11				
	10/10/1993	NS	DRY	DRY					24	24	24				
	12/12/1993	5.30	0.007	< 0.002					24	11	11				
	2/13/1994	6.20	0.009	0.005					24	24	24				
	4/17/1994	5.50	0.007	0.006					24	24	24				
	6/12/1994	6.30	0.006	< 0.002					24	24	24				
	8/28/1994	5.20	0.004	< 0.002					24	24	24				
	10/30/1994	5.00	0.019	< 0.002					24	24	24				
	1/29/1995	6.20	0.002	< 0.002					24	15	15				
	3/31/1995		0.002	< 0.002						15	15				
	5/21/1995	5.80	0.006	< 0.002					24	15	15				
	7/30/1995		0.008	< 0.002						15	15				
	9/24/1995	4.80	NS	NS					24	15	15				
	11/19/1995	NS	NS	NS					24	15	15				
	1/27/1996	NS	NS	NS					24	14	14				
	3/31/1996	NS	DRY	DRY					24	14	14				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	DRY	DRY					24	24	24				
	9/8/1996	NS	NS	NS					24	14	14				
	11/10/1996	6.80	< 0.002	0.003					24	14	14				
	1/25/1997	5.90	< 0.002	< 0.002					24	13	13				
	1/27/1997		< 0.002	< 0.002						24	24				
	3/15/1997	5.70							24	2.	2.				
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	5.80	0.003	< 0.002					24	13	13				
	8/3/1997	6.06	0.005	0.002					24	13	13				
	9/28/1997	6.05	0.003	< 0.002					24	13	13				
	11/16/1997	6.03	0.005	< 0.002					24	13	13				
	3/29/1998	5.69	0.000	< 0.002					17	13	17				
	5/17/1998	5.69	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.21	0.013	< 0.002					17	17	17				
	9/27/1998	DRY	DRY	DRY					17	17	17				
	11/22/1998	5.74	<0.005	<0.005					17	17	17				
	5/24/1999	NS	0.0076	0.0077					18	16, 18	16, 18		1		
	7/29/1999	NS	0.017	< 0.005					18	16, 18	16, 18				
	10/3/1999	NS	NS	< 0.005 NS					18	16, 18	16, 18				
	11/14/1999	DRY	DRY	DRY					18	10, 13	10, 18				
	1/16/2000	DRY	DRY	DRY					10	18	18				
	4/9/2000	5.62	< 0.010	< 0.010					24	24	24				

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/30/2000	5.93	< 0.010	< 0.010					24	24	24		· · · · ·		
	3/23/2001	DRY	< 0.010	< 0.010					20	20	20				
	7/1/2001	DRY	< 0.010	< 0.010					20	20	20				
	8/12/2001	DRY	< 0.010	< 0.010					20	20	20				
	11/4/2001	DRY	DRY	DRY					20	20	20				
	3/8/2002	DRY	0.014	< 0.010					21	21	21				
	6/30/2002	DRY	DRY	DRY					21	21	21				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	6.10	< 0.010	< 0.010					24	24	24				
	3/27/2003	5.79	0.006	0.008					24	24	24				
	6/26/2003	6.10	0.006	< 0.006					24	24	24				
	7/18/2003	5.87	< 0.006	< 0.006					24	24	24				İ
	12/22/2003	NS	DRY	DRY					24	24	24				1
	3/31/2004	5.87	< 0.006	< 0.006					24	24	24				
	3/20/2005	5.72	< 0.006	< 0.006					24	24	24				
	11/22/2005	NS	DRY	DRY					24	24	24				
B-4	5/20/1983	8.61	< 0.01		0.002		0.014	137	1	1,3		1,3		1	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	8.00	< 0.01		0.01		< 0.01	410	5	3,5		3,5		5	5
	12/20/1984	8.20	< 0.01		< 0.01		< 0.01	247	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	839		24		24		24	24
	4/25/1986		< 0.05							3					
	1/26/1987		0.05		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05				24			24		
	1/31/1989		0.006	< 0.005	< 0.01	0.01				9	9	9	9		
	2/1/1989		< 0.02	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	2/8/1990		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		İ
	7/17/1990	7.30	0.016	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24				24		
	July 1990	7.3	0.016	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.016	0.001	NS	NS				12	12	24	24		
	Sept. 1990	DRY	DRY	DRY	DRY	DRY			23	23	23	23	23		
	12/5/1990	NS							24						
	12/6/1990	DRY	DRY	DRY					24	12	12	24			
	12/12/1990	NS							24						1
	12/13/1990	NS	DRY			NS			24	24					
	12/20/1990	NS		DRY	NS	NS			24			24			İ
	1/24/1991	NS		NS					24						İ
	1/25/1991	NS	DRY		NS	NS			24	24		24			İ
	Jan. 1991		DRY	DRY	DRY	DRY				23	23	23	23		
	3/7/1991	NS	DRY	DRY						12	12	24			İ

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				Sample Data	ı							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/8/1991	DRY	DRY		NS				24	24		24			
	3/9/1991	NS							24						
	3/10/1991	NS		DRY	DRY	NS			24		24	24			
	March 1991	DRY	DRY	DRY	DRY	DRY			23	23	23	23	23		
	6/29/1991	6.40	DRY	DRY	NS				24	12	12	24			
	6/30/1991					DRY									
	8/23/1991	6.00	DRY	DRY	NS				24	12	12	24			
	8/25/1991		DRY	DRY	DRY	DRY				22	22	22	22		
	11/10/1991	NS	DRY	DRY	DRY	DRY			24	12, 22	12, 22	22	22		
	2/22/1992		DRY	DRY	DRY				1	12	12	24			
	2/23/1992	6.40				NS			24				24		
	4/11/1992		DRY	DRY	DRY					12	12	24	1		
	4/12/1992	6.00							24						
	6/12/1992		DRY	DRY	DRY					12	12	24			
	6/14/1992	6.30							24						
	8/8/1992		DRY		DRY					12		24			
	8/9/1992	NS							24						
	10/9/1992		DRY							12					
	10/11/1992	6.20							24						
	2/21/1993	7.80	DRY	DRY					24	11	11				
	4/25/1993	5.80	DRY	DRY					24	11	11				
	6/6/1993	6.40	DRY	DRY					24	11	11				
	8/8/1993	5.90	DRY	DRY					24	11	11				
	10/8/1993	NS	DRY	DRY					24	11	11				
	12/12/1993	5.50	DRY	DRY					24	11	11				
	2/13/1994	6.30	DRY	DRY					24	24	24				
	4/17/1994	6.20	DRY	DRY					24	24	24				
	6/12/1994	6.40	DRY	DRY					24	24	24				
	8/28/1994	NS	DRY	DRY					24	24	24				
	10/30/1994	NS	DRY	DRY					24	24	24				
	1/29/1995	6.90	NS	NS					24	15	15				
	3/31/1995		0.01	< 0.002						15	15				
	5/21/1995	6.20	0.01	0.004					24	15	15				
	7/30/1995		NS	NS						15	15				
	9/24/1995	NS	NS	NS					24	15	15				
	11/19/1995	NS	NS	NS					24	15	15				
	1/27/1996	NS	NS	NS					24	13	14				
	3/31/1996	NS	DRY	DRY					24	14	14				
	5/19/1996	NS	DRY	NS					24	24	24				
	7/21/1996	NS	DRY	DRY					24	24	24				
	9/8/1996	NS	NS	NS					24	14	14				
	11/10/1996	NS	NS	NS					24	14	14				
	1/25/1997	NS	NS	NS					24	13	13		†		
	1/27/1997		DRY	DRY						24	24				
	3/15/1997	6.60							24				1		

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/16/1997		0.016	< 0.002						13	13	× 0 /			
	5/18/1997	6.60	0.024	0.008					24	13	13				
	8/3/1997	NS	NS	NS					24	13	13				
	9/28/1997	NS	NS	NS					24	13	13				
	11/16/1997	NS	NS	NS					24	13	13				
	3/29/1998	7.13	0.009	< 0.002					17	17	17				
	5/17/1998	7.13	NS	NS					17	17	17				
	7/26/1998	NS	NS	NS					17	17	17				
	9/27/1998	DRY	DRY	DRY					17	17	17				
	11/22/1998	5.55	0.025	0.0064					17	17	17				
	5/24/1999	4.13	NS	NS					18	16, 18	16, 18				
	7/29/1999	4.10	NS	NS					18	16, 18	16, 18				
	10/3/1999	3.10	NS	NS					18	16, 18	16, 18				
	11/14/1999	3.96							18	18	18				
	1/16/2000	DRY	DRY	DRY					19	19	19				
	4/9/2000	5.86	0.056	< 0.010					24	24	24				
	7/30/2000	NS	DRY	NS					24	24	24				
	3/23/2001	3.81	< 0.010	0.02					20	20	20				
	7/1/2001	4.30							20	20	20				
	8/12/2001	4.00							20	20	20				
	11/4/2001	3.90							20	20	20				
	3/8/2002	DRY	DRY	DRY					21	21	21				
	6/30/2002	DRY	DRY	DRY					21	21	21				
	8/18/2002	NS	DRY	NS					24	24	24				
	11/17/2002	NS	DRY	NS					24	24	24				
	3/27/2003	NS	DRY	NS					24	24	24				
	6/26/2003	NS	DRY	NS					24	24	24				
	7/18/2003	NS	DRY	DRY					24	24	24				
	12/22/2003	NS	DRY	DRY					24	24	24				
	3/31/2004	6.61	0.034	< 0.006					24	24	24				
	3/20/2005	NS	DRY	NS					24	24	24				
	11/22/2005	NS	DRY	DRY					24	24	24				
B-5	5/20/1983	7.27	< 0.01		0.007		0.002	214	1	1,3		1,3		1	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	6.70	< 0.01		0.03		< 0.01	874	5	3,5		3,5		5	5
	12/20/1984	6.80	0.02		0.01		< 0.01	464	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	640		24		24		24	24
	4/25/1986		0.03							3					
	1/26/1987		0.14		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05				24	1		24		
	1/31/1989		0.01	< 0.005	0.02	0.01				9	9	9	9		
	2/1/1989		0.03	< 0.02	< 0.01	< 0.01				8	8	8	8		

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	2/8/1990		0.042	< 0.005	< 0.01	< 0.01				24	24	24	24		
	7/17/1990	6.80	0.001	0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24				24		
	July 1990	6.80	0.001	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/26/1990		0.031	0.004	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	9/27/1990		0.001	0.001	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	7.1	0.031	0.004	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		İ
	12/20/1990	NS		NS	NS	NS			24	1			24		1
	1/24/1991	7.10	0.01	< 0.001	< 0.005	< 0.005			24	12, 22	12, 22	22	22		
	1/25/1991	NS	0.01		< 0.005	< 0.005			24	24	,	24	24		İ
	Jan. 1991		0.01	0.01	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	6.50	0.02	< 0.001	< 0.005	< 0.005			10	10, 12, 22	10, 12, 22	10, 22	10		
	3/8/1991	NS	0.02						24	24		,			
	3/9/1991	NS			NS				24			24			
	3/10/1991	NS		< 0.001		< 0.005			24		24		24		
	March 1991	6.5	0.02	< 0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.10	0.015	0.008	< 0.005					12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005				, í	,	24	24		
	8/23/1991	6.90	0.023	0.001					24	12	12				
	8/24/1991		0.023	0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	7.40	0.037	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.03	< 0.002						12	12				
	2/23/1992	6.90			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.003	< 0.002						12	12				
	4/12/1992	6.80			< 0.005				24			24			
	6/12/1992		0.004	< 0.002						12	12				
	6/14/1992	7.00			< 0.005				24			24			
	8/8/1992		< 0.002							12					
	8/9/1992	7.20			< 0.005				24	1		24			1
	10/9/1992		< 0.002						i i i i i i i i i i i i i i i i i i i	12		1			1
	10/11/1992	6.80			< 0.005				24	1		24			1
	2/21/1993	6.90	0.008	0.003					24	11	11				1
	4/25/1993	7.00	0.005	0.005					24	11	11				1
	6/6/1993	6.30	0.013	0.004					24	11	11				1
	8/8/1993	6.80	0.011	0.006					24	11	11				1
	10/8/1993	6.90	0.014	< 0.002					24	11	11				1
	12/12/1993	6.50	0.016	0.003					24	11	11				
	2/13/1994	7.30	0.010	< 0.002					24	24	24				İ
	4/17/1994	7.80	0.016	0.002					24	24	24				
	6/12/1994	6.70	0.010	0.003					24	24	24				t

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				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/28/1994	6.70	0.015	< 0.002					24	24	24				
	10/30/1994	6.70	0.01	0.004					24	24	24				
	1/29/1995	7.00	0.003	< 0.002					24	15	15				
	3/31/1995		0.005	< 0.003						15	15				
	5/21/1995	6.70	0.004	< 0.002					24	15	15				
	7/30/1995		0.007	0.006						15	15				
	9/24/1995	6.20	< 0.002	0.008					24	15	15				
	11/19/1995	6.70	0.003	< 0.002					24	15	15				
	1/27/1996	7.30	< 0.002	< 0.002					24	14	14				
	3/31/1996	7.10	0.003	< 0.002					24	14	14				
	5/19/1996	6.60	< 0.002	0.005					24	14	14				
	7/21/1996	6.40	< 0.002	< 0.002					24	14	14				
	9/8/1996	6.30	< 0.002	0.002					24	14	14				
	11/10/1996	6.90	< 0.002	0.002					24	14	14				
	1/25/1997	7.00	< 0.002	< 0.002					24	24	24				
	1/27/1997		< 0.002	< 0.002						13	13				
	3/15/1997	6.60							24						
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	6.70	0.002	< 0.002					24	13	13				
	8/3/1997	6.74	0.005	0.002					24	13	13				
	9/28/1997	6.79	< 0.002	< 0.002					24	13	13				
	11/16/1997	6.65	0.005	< 0.002					24	13	13				
	3/29/1998	6.68	0.003	< 0.002					17	17	17				
	5/17/1998	6.68	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.71	0.006	< 0.002					17	17	17				
	9/27/1998	6.71	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.42	0.049	0.0053					17	17	17				
	5/24/1999	5.99	0.011	< 0.005					18	16, 18	16, 18				
	7/29/1999	6.00	0.016	0.0068					18	16, 18	16, 18				
	10/3/1999	NS	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	DRY	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	DRY	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.64	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.53	< 0.010	< 0.010					24	24	24				
	3/23/2001	6.01	< 0.010	< 0.010					20	20	20				
	7/1/2001	6.07	< 0.010	< 0.010					20	20	20				
	8/12/2001	6.13	< 0.010	< 0.010					20	20	20				
	11/4/2001	DRY	< 0.010	< 0.010					20	20	20				
	3/8/2002	5.63	0.01	< 0.010					20	20	20				
	6/30/2002	5.93							21	21	21				
	8/18/2002	6.60	< 0.010						24	24	24				
	11/17/2002	6.90	< 0.010						24	24	24		1		
	3/27/2003	6.77	< 0.006	0.009					24	24	24				1
	6/26/2003	6.81	< 0.006	< 0.005					24	24	24				1
	7/18/2003	6.65	0.006	< 0.006					24	24	24				<u> </u>

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				Sample Data	1							Referer	nces		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	12/22/2003	6.77	< 0.006	< 0.006					24	24	24	\ 8 /	, g /		
	3/31/2004	6.15	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.43	< 0.006	< 0.006					24	24	24				
	11/22/2005	NS	NS	NS					24	24					
B-6	5/20/1983	7	0.07		0.006		0.004	1010	1	1,3		1,3		1	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	6.50	0.02		< 0.01		0.01	1195	5	3,5		3,5		5	5
	12/20/1984	6.50	0.05		0.02		0.01	625	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	1421		24		24		24	24
	4/25/1986		0.07							3					
	1/26/1987		0.11		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24	1		
	12/19/1988		< 0.05			< 0.05				24			24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		
	2/1/1989		< 0.02	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	NS	NS	NS				24	24	24	24			
	7/18/1990	NS				NS			24				24		
	9/27/1990		NS	NS	NS	NS				24	24	24	24		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	3/7/1991	NS							24						
	3/8/1991	NS	NS						24	24			1		
	3/9/1991	NS			NS				24			24	1		
	3/10/1991	NS		NS		NS			24		24		24		
	6/29/1991	NS	NS	NS					24	24	24				
	6/30/1991				NS	NS						24	24		
	8/23/1991	NS	NS	NS					24	24	24				
	8/25/1991				NS	NS						24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS						24	24				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS						24	24				
	4/12/1992	NS			NS				24			24			
	6/12/1992		NS	NS						24	24		1		
	6/14/1992	NS			NS				24			24	1		
	8/8/1992		NS							24		l			1

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/9/1992	NS			NS				24			24			
	10/9/1992		NS							24					
	10/11/1992	NS			NS				24			24			
	2/21/1993	NS	NS	NS					24	24	24				
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				
	10/10/1993	NS	NS	NS					24	24	24				
	12/12/1993	NS	NS	NS					24	24	24				
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1995	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				
	7/30/1995		NS	NS						24	24				
	9/24/1995	NS	NS	NS					24	24	24				
	11/19/1995	NS	NS	NS					24	24	24				
	1/27/1996	NS	NS	NS					24	24	24				
	3/31/1996	NS	NS	NS					24	24	24				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	24	24				
	11/10/1996	NS	NS	NS					24	24	24				
	1/25/1997	NS							24						
	1/27/1997		NS	NS						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						24	24				
	5/18/1997	NS	NS	NS					24	24	24				
	8/3/1997	NS	NS	NS					24	24	24				
	9/28/1997	NS	NS	NS					24	24	24				
	11/16/1997	NS	NS	NS					24	24	24				
	3/29/1998	NS	NS	NS					24	24	24				
	5/17/1998	NS	< 0.002	NS					24	24	24				
	7/26/1998	NS	NS	NS					24	24	24				
	11/22/1998	NS	NS	NS					24	24	24				
	5/24/1999	NS	NS	NS					24	24	24				
	7/29/1999	NS	NS	NS					24	24	24				
	10/3/1999	NS	NS	NS					24	24	24				
	11/14/1999	NS	NS	NS					24	24	24				l
	1/16/2000	NS	NS	NS					24	24	24				l
	4/9/2000	NS	NS	NS					24	24	24				İ
	7/30/2000	NS	NS	NS					24	24	24				l
	3/23/2001	NS	NS	NS					24	24	24	1			

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/1/2001	NS	NS	NS					24	24	24				
	8/12/2001	NS	NS	NS					24	24	24				
	11/4/2001	NS	NS	NS					24	24	24				
	3/8/2002	NS	NS	NS					24	24	24				
	6/30/2002	NS	NS	NS					24	24	24				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	NS	NS	NS					24	24	24				
	3/27/2003	NS	NS	NS					24	24	24				
	6/26/2003	NS	NS	NS					24	24	24				
	7/18/2003	NS	NS	NS					24	24	24				
	12/22/2003	NS	NS	NS					24	24	24				
	3/31/2004	NS	NS	NS					24	24	24				
	3/20/2005	NS	NS	NS					24	24	24				
	11/22/2005	NS	NS	NS					24	24	24				
B-7	5/20/1983	7.48	< 0.01		0.004		0.002	906	1	1,3		1,3		1	1
	9/16/1983		< 0.01		< 0.01					2,3		2,3			
	5/22/1984	7.30	< 0.01		< 0.01		< 0.01	675	5	3,5		3,5		5	5
	12/20/1984	7.10	< 0.01		< 0.01		< 0.01	412	6	3,6		3,6		6	6
	7/23/1985		< 0.01		< 0.01		< 0.01	262		24		24		24	24
	4/25/1986		0.02							3					
	1/26/1987		0.06		< 0.01					24		24			
	8/17/1987		< 0.05	< 0.05	< 0.01	< 0.01				3	4	3	4		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	< 0.05					3	24	24			
	12/19/1988		< 0.05			< 0.05				24	2.	2.	24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		
	2/1/1989		< 0.005	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.002	< 0.002	< 0.01	< 0.01				24	24	24	24		
	2/8/1990		< 0.005	< 0.005	0.04	< 0.01			i	24	24	24	24		
	7/17/1990	NS	0.018	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	7.00		< 0.001	< 0.005	< 0.005			24	10	10	10	24		<u> </u>
	July 1990	7.00	0.018	0.001	< 0.005	< 0.005			24	23	23	23	24		<u> </u>
	9/21/1990		0.018	0.001	< 0.005	< 0.005			23	10, 12*	10, 12*	10	10		<u> </u>
	9/27/1990		0.033	0.003	< 0.005	< 0.005				24	24	24	24		<u> </u>
	Sept. 1990	7.1	0.018	0.001	< 0.005	< 0.005			23	24	24	24	24		<u> </u>
	12/5/1990	NS			< 0.005	< 0.005			23	23	23	23	23		<u> </u>
	12/6/1990	NS		0.002		< 0.005			24		10		10		<u> </u>
	12/0/1990	NS	0.005	0.002		< 0.005			24 24	12	10		10		├
	12/12/1990	7.10	0.005	0.002	< 0.005	< 0.005			24 24	22	22	22	22		<u> </u>
	12/13/1990	7.10 NS		0.002	< 0.005	< 0.005 NS			24	22	22	22	22		<u> </u>
	1/24/1990	NS		0.002 NS	< 0.005				24	<u> </u>	24	24	24		<u> </u>
	1/24/1991	NS	NS		NS	NS			24	24	24	24	24		<u> </u>
	Jan. 1991	INS	0.002	0.005	< 0.005	< 0.005			24	24	23	24	24		<u> </u>
	3/7/1991	NS	0.002						24	23	23	23	23		<u> </u>
									24	12	10				<u> </u>
	3/8/1991	NS	0.006	< 0.001					24	12	12				L

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					1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/9/1991	6.50	0.006	< 0.001	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		
	3/10/1991	NS		< 0.001		< 0.005			24		24		24		
	March 1991	6.5	0.006	< 0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.10	0.014	< 0.001					24	12	12				
	6/30/1991		0.014	< 0.001	< 0.005	< 0.005				22	22	22	24		
	8/23/1991	NS	NS	NS					24	12	12				
	8/25/1991				< 0.005	NS			i			22	24		
	11/10/1991	NS	NS	NS	NS	NS			24	12, 22	12, 22	22	22		
	2/22/1992		NS	NS						12	12				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS					8	12	12				
	4/12/1992	NS			NS				24			24			
	6/12/1992		NS	NS						12	12				
	6/14/1992	NS			NS				24			24			
	8/8/1992		NS	0.005					ĺ	12	24				
	8/9/1992	NS			NS				24			24			
	10/9/1992		NS							12					
	10/11/1992	NS			NS				24			24			
	2/21/1993	6.00	0.005	0.005					24	11	11				
	4/25/1993	6.40	0.008	0.003					24	11	11				
	6/6/1993	7.60	0.005	0.005					24	11	11				
	8/8/1993	6.10	0.008	0.007					24	11	11				
	10/8/1993	6.00	0.006	< 0.002					24	11	11				
	12/12/1993	6.00	0.007	0.004					24	11	11				
	2/13/1994	6.30	0.007	0.004					24	24	24				
	4/17/1994	6.50	0.005	0.004					24	24	24				
	6/12/1994	5.60	0.011	0.004					24	24	24				
	8/28/1994	5.90	0.005	< 0.002					24	24	24				
	10/30/1994	6.10	0.003	0.002					24	24	24				
	1/29/1995	6.20	0.013	0.003					24	15	15				
	3/31/1995		0.028	0.002					24	15	15				
	5/21/1995	6.10	< 0.002	0.005					24	24	24				
	7/30/1995	0.10	< 0.002	< 0.003					24	15	15				
	9/24/1995	6.10	< 0.002	0.012					24	15	15				
	11/19/1995	6.10	< 0.002	<0.012					24	15	15				
	1/27/1995			< 0.002					24	13	13				
		6.40	< 0.002	< 0.002					24	14	14				
	3/31/1996	6.70	0.004												
	5/19/1996	6.10	< 0.002	0.004					24	14	14				
	7/21/1996	5.60	< 0.002	0.003					24	14	14				
	9/8/1996	6.70	0.003	< 0.002					24	14	14				
	11/10/1996	6.50	0.004	0.004					24	14	14				
	1/25/1997	6.30	0.004	< 0.002					24	13	13				
	1/27/1997		0.004	< 0.002						24	24				
	3/15/1997 3/16/1997	5.80	< 0.002	< 0.002					24	13	13				

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	5/18/1997	5.80	0.004	0.003					24	13	13				
	8/3/1997	5.65	0.004	0.003					24	13	13				
	9/28/1997	5.71	< 0.002	0.003					24	13	13				
	11/16/1997	5.85	0.002	< 0.002					24	13	13				
	3/29/1998	6.05	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.05	0.002	0.002					17	17	17				
	7/26/1998	5.76	< 0.002	0.002					17	17	17				
	9/27/1998	5.64	< 0.001	< 0.001					17	17	17				
	11/22/1998	5.67	0.0054	0.0053					17	17	17				
	5/24/1999	NS	0.013	0.01					18	16, 18	16, 18				
	7/29/1999	NS	0.012	0.012					18	16, 18	16, 18				
	10/3/1999	NS	0.015	< 0.010					18	16, 18	16, 18				
	11/14/1999	DRY	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	DRY	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.20	< 0.010	< 0.010					24	24	24				
	7/30/2000	5.85	< 0.010	< 0.010					24	24	24				
	3/23/2001	5.79	< 0.010	< 0.010					20	20	20				
	7/1/2001	NS	< 0.010	< 0.010					20	20	20				
	8/12/2001	DRY	< 0.010	< 0.010					20	20	20				
	11/4/2001	DRY	< 0.010	< 0.010					20	20	20				
	3/8/2002	DRY	< 0.010	< 0.010					21	21	21				
	6/30/2002	DRY	DRY	DRY					21	21	21				
	8/18/2002	5.57	< 0.010	< 0.010						24	24				
	11/17/2002	5.90	< 0.010	< 0.010					24	24	24				
	3/27/2003	5.91	< 0.006	0.012					24	24	24				
	6/26/2003	5.80	0.006	< 0.006					24	24	24				
	7/18/2003	5.75	< 0.006	< 0.006					24	24	24				
	12/22/2003	5.93	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.07	< 0.006	0.008					24	24	24				
	3/20/2005	5.59	< 0.006	< 0.006					24	24	24				
	11/22/2005	5.67	< 0.006	< 0.006					24	24	24				
B-8	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24			
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	NS					3	24	24			
	12/19/1988		< 0.05			< 0.05				İ			24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		1
	2/1/1989		0.03	0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		1

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	0.005	0.022	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	3.50				< 0.005			24				24		
	July 1990	3.5	0.005	0.022	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.012	0.005	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	Sept. 1990	6.1	0.012	0.005	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS	0.004	0.004					24	12	12				
	12/6/1990	6.10	0.004	0.004	< 0.005	< 0.005			24	10, 22	10, 22	10, 22	10, 22		
	12/12/1990	NS							24						
	12/13/1990	NS	0.004			< 0.005			24	24			24		
	12/20/1990	NS		0.004	< 0.005	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	Jan. 1991		0.004	0.004	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS	0.004	0.001					24	12	12				
	3/8/1991	6.40	0.004	0.001	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		
	3/9/1991	NS			< 0.005				24	, í	,	24			
	3/10/1991	NS		0.001		< 0.005			24				24		
	March 1991	6.4	0.004	0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	6.70	0.002	< 0.001					24	12	12				
	6/30/1991		0.002	< 0.001	< 0.005	< 0.005				22	22	22	24		
	8/23/1991	4.80	0.001	< 0.001					24	12	12				
	8/25/1991		0.001	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	6.20	0.007	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.006	< 0.002						12	12				
	2/23/1992	6.30			< 0.005	< 0.005			24			24	24		
	4/11/1992		< 0.002	< 0.002						12	12				
	4/12/1992	6.00			< 0.005				24			24			
	6/12/1992		0.004	< 0.002						12	12				
	6/14/1992	6.10			< 0.005				24			24			
	8/8/1992		0.003							12					
	8/9/1992	6.00			< 0.005				24			24			
	10/9/1992		< 0.002							12					1
	10/11/1992	5.60			< 0.005				24			24			
	2/21/1993	6.50	0.011	0.008					24	11	11	1			1
	4/25/1993	6.90	0.004	< 0.002					24	11	11	1			1
	6/6/1993	6.60	0.007	0.003					24	11	11				1
	8/8/1993	6.00	0.009	0.004					24	11	11				1
	10/8/1993	6.50	0.004	< 0.002					24	11	11				1
	12/12/1993	7.00	0.009	0.009					24	11	11	1			1
	2/13/1994	8.00	0.011	0.004					24	24	24				1
	4/17/1994	NS	DRY	DRY					24	24	24				1
	6/12/1994	NS	DRY	DRY					24	24	24		1 1		
	8/28/1994	NS	DRY	DRY					24	24	24				1
	10/30/1994	NS	DRY	DRY					24	24	24		1 1		

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	1/29/1995	NS	NS	NS					24	15	15				
	3/31/1995		NS	NS						15	15				
	5/21/1995	NS	NS	NS					24	15	15				
	7/30/1995		NS	NS						15	15				
	9/24/1995	NS	NS	NS					24	15	15				
	11/19/1995	NS	NS	NS					24	15	15				
	1/27/1996	NS	NS	NS					24	14	14				
	3/31/1996	NS	NS	NS					24	14	14				
	5/19/1996	5.10	0.004	0.006					24	14	14				
	7/21/1996	4.10	0.005	0.003					24	14	14				
	9/8/1996	NS	NS	NS					24	14	14				
	11/10/1996	NS	NS	NS					24	14	14				
	1/25/1997	NS	NS	NS					24	13	13				
	1/27/1997		NS	NS						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						13	13				
	5/18/1997	6.70	NS	NS					24	13	13				
	8/3/1997	6.49	0.003	0.002					24	13	13				
	9/28/1997	NS	NS	NS					24	13	13				
	11/9/1997	5.96	0.003	0.003					24	13	13				
	3/29/1998	6.51	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.51	< 0.002	< 0.002					17	17	17				
	7/26/1998	NS	NS	NS					17	17	17				
	9/27/1998	NS	NS	NS					17	17	17				
	11/22/1998	NS	NS	NS					17	17	17				
	5/24/1999	6.65	0.0094	0.0061					18	16, 18	16, 18				
	7/29/1999	6.60	0.01	0.018					18	16, 18	16, 18				
	10/3/1999	6.60	NS	NS					18	16, 18	16, 18				
	11/14/1999	6.61							18	18	18				
	1/16/2000	6.60							19	19	19				
	4/9/2000	NS	NS	NS					24	24	24				
	7/30/2000	NS	NS	NS					24	24	24				
	3/23/2001	6.94							20	20	20				
	7/1/2001	6.63							20	20	20				
	8/12/2001	6.69							20	20	20				
	11/4/2001	6.60							20	20	20				
	3/8/2002	6.73							21	21	21				
	6/30/2002	6.51							21	21	21				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	NS	NS	NS					24	24	24				
	3/27/2003	NS	NS	NS					24	24	24				
	6/26/2003	NS	NS	NS					24	24	24				
	7/18/2003	NS	NS	NS					24	24	24				
	12/22/2003	NS	NS	NS					24	24	24				
	3/31/2004	NS	NS	NS					24	24	24				

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/20/2005	NS	NS	NS					24	24	24	× 0 /			
	11/22/2005	NS	NS	NS					24	24	24				
B-9	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		< 0.01		< 0.01					3		24			
	7/8/1988		< 0.05	< 0.1	NS					3	24	24			
	12/19/1988		< 0.05			< 0.05				24			24		
	1/31/1989		< 0.005	< 0.005	< 0.01	< 0.01				9	9	9	9		
	2/1/1989		< 0.02	< 0.02	< 0.01	< 0.01				8	8	8	8		
	7/18/1989		< 0.005	< 0.005	< 0.01	< 0.01				24	24	24	24		
	1/24/1990		0.007	0.002						12	12				
	2/8/1990		0.039	< 0.005	0.04	< 0.01				24	24	24	24		
	7/17/1990	NS	0.002	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	7.20				< 0.005			24				24		
	July 1990	7.2	0.002	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.002	NS	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	7.8	0.011	0.011	< 0.005	< 0.005			23	23	23	23	23		
	10/1/1990		0.002	0.001						12	12	-	_		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		0.001	NS	NS			24		24	24	24		
	1/25/1991	7.80	0.007	0.002	< 0.005	< 0.005			24	22	22	22	22		
	Jan. 1991		0.007	0.002	< 0.005	< 0.005				23	23	23	23		1
	3/7/1991	NS							24		-	-	-		1
	3/8/1991	7.10	0.021	< 0.001	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		
	3/9/1991	NS	0.021	< 0.001	< 0.005				24	12	12				
	3/10/1991	NS		< 0.001		< 0.005			24		24		24		
	March 1991	7.1	0.021	< 0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	8.10	0.027	0.01	< 0.005				24	12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005				ĺ.	, ,		24		
	8/23/1991	6.30	0.007	0.003					24	12	12				
	8/25/1991		0.007	0.003	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	7.30	0.015	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.029	< 0.002						12	12				1
	2/23/1992	7.60			< 0.005	< 0.005			24	1		24	24		1
	4/11/1992		0.006	< 0.002						12	12				
	4/12/1992	7.20			< 0.005				24			24			

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	6/12/1992		< 0.002	< 0.002					l	12	12				
	6/14/1992	7.30			< 0.005				24			24			
	8/8/1992		0.002	0.005						12	24				
	8/9/1992	7.40			< 0.005				24			24			
	10/9/1992		< 0.002							12					
	10/11/1992	7.20			< 0.005				24			24			
	2/21/1993	7.40	0.008	0.005					24	11	11				
	4/25/1993	7.60	0.003	0.003					24	11	11				
	6/6/1993	6.60	0.016	0.011					24	11	11				
	8/8/1993	7.20	0.004	0.004					24	11	11				
	10/8/1993	7.70	0.005	< 0.002					24	11	11				
	12/12/1993	7.40	0.01	0.01					24	11	11				
	2/13/1994	8.40	0.003	0.003					24	24	24				
	4/17/1994	8.50	0.009	< 0.002					24	24	24				
	6/12/1994	7.30	0.013	0.004					24	24	24				
	8/28/1994	6.90	0.008	0.002					24	24	24				
	10/30/1994	7.10	0.008	0.003					24	24	24				
	1/29/1995	7.10	0.008	0.003					24	15	15				
	3/31/1995		0.007	0.002						15	15				
	5/21/1995	6.80	0.004	0.002					24	15	15				
	7/30/1995		0.014	0.005						15	15				
	9/24/1995	6.50	< 0.002	< 0.002					24	15	15				
	11/19/1995	7.00	< 0.002	< 0.002					24	15	15				
	1/27/1996	7.40	0.002	0.003					24	13	13				
	3/31/1996	7.40	0.003	< 0.002					24	14	14				
	5/19/1996	7.00	0.005	0.005					24	14	14				
	7/21/1996	6.50	< 0.000	< 0.002					24	14	14				
	9/8/1996	7.20	0.002	< 0.002					24	14	14				
	11/10/1996	7.30	< 0.007	< 0.002					24	14	14				<u> </u>
	1/25/1997	7.30	< 0.002	< 0.002					24	14	14		-		<u> </u>
	1/23/1997	7.50	< 0.002	< 0.002					24	24	24				<u> </u>
	3/15/1997		< 0.002	< 0.002					24	24	24				<u> </u>
		6.70							24	12	12				<u> </u>
	3/16/1997		0.005	< 0.002					- 24	13	13				<u> </u>
	5/18/1997	6.80	< 0.002	< 0.002					24	13	13				<u> </u>
	8/3/1997	6.92	0.003	0.004					24	13	13				┣────
	9/28/1997	7.14	< 0.002	< 0.002					24	13	13		┨─────┤		<u> </u>
	11/9/1997	7.05	0.006	0.004					24	13	13				┝───
	3/29/1998	6.85	< 0.002	< 0.002					17	17	17		┨─────┤		<u> </u>
	5/17/1998	6.85	< 0.002	< 0.002					17	17	17				<u> </u>
	7/26/1998	6.97	< 0.002	< 0.002					17	17	17				<u> </u>
	9/27/1998	6.83	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.75	< 0.005	< 0.005					17	17	17				───
	5/24/1999	5.82	0.0097	< 0.005					18	16, 18	16, 18				
	7/29/1999	5.60	0.0073	0.012					18	16, 18	16, 18				<u> </u>
	10/3/1999	5.40	< 0.010	< 0.010					18	16, 18	16, 18				

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				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	-	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	11/14/1999	5.86	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.06	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.85	< 0.010	< 0.010					24	24	24				
	7/30/2000	7.04	< 0.010	< 0.010					24	24	24				
	3/23/2001	6.13	< 0.010	< 0.010					20	20	20				
	7/1/2001	5.61	< 0.010	< 0.010					20	20	20				
	8/12/2001	5.60	< 0.010	< 0.010					20	20	20				
	11/4/2001	5.90	< 0.010	< 0.010					20	20	20				
	3/8/2002	5.94	< 0.010	< 0.010					21	21	21				
	6/30/2002	5.58							21	21	21				
	8/18/2002	6.82	< 0.010	< 0.010					24	24	24				
	11/17/2002	6.90	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.88	< 0.006	0.006					24	24	24				
	6/26/2003	6.94	< 0.006	< 0.006					24	24	24				
	7/18/2003	7.08	< 0.006	< 0.006					24	24	24				
	12/22/2003	7.00	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.88	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.47	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.69	0.01	< 0.006					24	24	24				
MW-10	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS			1	24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	0.013	0.009	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	3.40				< 0.005			24				24		
	July 1990	3.40	0.013	0.009	< 0.005	< 0.005			23	23	23	23	23		
	9/21/1990		0.013	0.009	< 0.005	< 0.005				10, 12*	10, 12	10	10		
	9/27/1990		0.013	0.009	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	6	0.013	0.009	< 0.005	< 0.005			23	23	23	23	23		
	10/1/1990		0.001	0.005	< 0.005	< 0.005				10	10	10	10		ł
	12/5/1990	NS			< 0.005	< 0.005			24	10			10		1
	12/6/1990	NS							24	1					<u> </u>
	12/12/1990	NS							24	1					<u> </u>
	12/13/1990	NS	NS			NS			24				24		

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS	0.008	0.004					24	12	12				
	1/25/1991	6.00	0.008	0.004	< 0.005	< 0.005			24	22	22	22	22		
	Jan. 1991		0.008	0.004	< 0.005	< 0.005				23	23	23	23		
	3/6/1991		0.007	0.004						12	12				
	3/7/1991	5.30	0.007	0.004	< 0.005				10	10, 22	10, 22	10, 22	10		
	3/8/1991	NS	0.007						24	24					
	3/9/1991	NS			< 0.005				24			24			
	3/10/1991	NS		0.004		< 0.005			24				24		
	March 1991	5.3	0.007	0.004	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	4.90	0.014	0.008	< 0.005				24	12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005						24	24		
	8/23/1991	4.40	0.004	0.001					24	12	12				
	8/25/1991		0.004	0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	5.00	0.023	0.012	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.01	0.009						12	12				
	2/23/1992	5.30			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.021	0.017						12	12				
	4/12/1992	5.00			< 0.005				24			24			
	6/12/1992		0.008	0.006						12	12				
	6/14/1992	5.00			< 0.005				24			24			
	8/8/1992		0.009							12					
	8/9/1992	5.00			< 0.005				24			24			
	10/9/1992		0.006							12					
	10/11/1992	4.60			< 0.005				24			24			
	2/21/1993	5.00	0.035	0.02					24	11	11				
	4/25/1993	5.20	0.065	0.008					24	11	11				
	6/6/1993	4.90	0.03	0.03					24	11	11				
	8/8/1993	4.60	0.021	0.017					24	11	11				
	10/8/1993	4.80	0.007	0.006					24	11	11				
	12/12/1993	4.90	0.007	0.000					24	11	11				
	2/13/1994	5.00	0.017	0.011					24	24	24				
	4/17/1994	4.60	0.011	0.011					24	24	24				
	6/12/1994	4.80	0.012	0.01					24	24	24				
	8/28/1994	4.70	0.007	0.007					24	24	24				
	10/30/1994	4.60	0.007	0.007					24	24	24				
	1/29/1994	6.20	0.021	0.019					24	15	15				
	3/31/1995	0.20	0.012	0.008					24	15	15		╂────┤		<u> </u>
	5/21/1995	5.60	0.008	0.007					24	15	15				
	7/30/1995	5.60	0.013	0.006					24	15	15				<u> </u>
	9/24/1995	4.50	0.008	0.005					24	15	15				<u> </u>
	9/24/1995	4.50 5.20	< 0.001	<0.026					24 24	15	15				<u> </u>
											15				
	1/27/1996	5.50	< 0.002	0.008					24	14	14				
	3/31/1996 5/19/1996	4.50 NS	0.007	0.008					24 24	14 14	14				ł

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				Sample Data					•			Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/21/1996	4.00	0.007	0.006					24	14	14				
	9/8/1996	4.50	0.008	0.006					24	14	14				
	11/10/1996	6.40	0.017	0.019					24	14	14				
	1/25/1997	6.00	0.008	0.004					24	13	13				
	1/27/1997		0.008	< 0.002						24	24				
	3/15/1997	4.60							24						
	3/16/1997		0.009	0.008					i	13	13				
	5/18/1997	4.60	0.009	0.01					24	13	13				
	8/3/1997	4.54	0.009	0.007					24	13	13				
	9/28/1997	4.48	0.005	0.005					24	13	13				
	11/16/1997	4.32	0.009	0.003					24	13	13				
_	3/29/1998	4.96	0.017	0.006					17	17	17				
	5/17/1998	4.96	0.008	0.004					17	17	17				
	7/26/1998	4.60	0.005	0.002					17	17	17				
	9/27/1998	4.69	< 0.001	< 0.001					17	17	17				
	11/22/1998	4.29	0.026	0.0099					17	17	17				
	5/24/1999	6.28	0.019	0.019					18	16, 18	16, 18				
	7/29/1999	6.20	0.017	0.0064					18	16, 18	16, 18				
	10/3/1999	NS	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	DRY	0.018	< 0.010					18	16, 18	16, 18				
	1/16/2000	DRY	< 0.010	< 0.010					19	19	19				
	4/9/2000	5.05	0.012	< 0.010					24	24	24				
	7/30/2000	4.33	< 0.010	< 0.010					24	24	24				
	3/23/2001	NS	< 0.010	0.049					20	20	20				
	7/1/2001	NS	0.02	< 0.010					20	20	20				
	8/12/2001	NS	< 0.010	0.01					20	20	20				
	11/4/2001	NS	< 0.010	< 0.010					20	20	20				
	3/8/2002	NS	0.039	0.016					21	21	21				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	4.97	0.034	< 0.010					24	24	24				
	11/17/2002	4.90	0.031	0.01					24	24	24				
	3/27/2003	5.23	0.043	0.014					24	24	24				t
	6/26/2003	5.07	0.007	< 0.006					24	24	24				<u> </u>
	7/18/2003	4.99	0.007	< 0.006					24	24	24				t
	12/22/2003	5.35	0.009	< 0.006					24	24	24				
	3/31/2004	5.22	0.009	0.006					24	24	24				
	3/20/2005	5.33	0.023	0.000					24	24	24				
	11/22/2005	5.40	0.028	< 0.012					24	24	24				
MW-11	5/20/1983	5.40	NS	< 0.000	NS				24	24	24				
	9/16/1983		NS		NS				<u> </u>	24					
	5/22/1984	NS	NS		NS		NS	NS	24	24				24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24				24	24
	7/23/1985		NS		NS		NS	NS	24	24				24	24
	4/24/1985		NS		INS					24				24	24
	4/24/1986		NS		NS				Į	24					──

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/17/1987		NS	NS	NS	NS				24	24	× 0 /	24	<u> </u>	
	12/16/1987		NS		NS					24					
	7/8/1988		NS	NS	NS					24	24				
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24		24		
	2/1/1989		NS	NS	NS	NS				24	24		24		
	7/18/1989		NS	NS	NS	NS				24	24		24		
	2/8/1990		NS	NS	NS	NS				24	24		24		
	7/17/1990	6.60	0.01	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24		-		24		
	July 1990	6.6	0.01	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.007	0.002	< 0.005	< 0.005				10, 12*	10, 12*	10	10		1
	Sept. 1990	7	0.007	0.002	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS				< 0.005			23		20				
	12/6/1990	NS							24	ł					
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/13/1990	NS		NS	NS	NS			24	24	24	24	24		
	1/24/1991	NS	0.007	0.001					24	12	12	24	24		
	1/24/1991	7.00	0.007	0.001	< 0.005	< 0.005			24	22	22	22	22		
	Jan. 1991	7.00	0.007	0.001	< 0.005	< 0.005			24	22	23	22	22		
	3/7/1991	NS			< 0.005	< 0.005			24	23	23	23	23		
	3/8/1991	NS	0.015	< 0.001					24	12	12				
	3/8/1991 3/9/1991	NS		< 0.001	< 0.005				24	12	12	24			
	3/10/1991	6.70	0.015	< 0.001	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		<u> </u>
	March 1991	6.70	0.013	< 0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991		0.02	0.001	< 0.005	< 0.005				12	12	23	23		<u> </u>
		6.60	0.029						24		22	22	24		
	6/30/1991			0.002	< 0.005	< 0.005			24	22		22	24		
	8/23/1991	6.70	0.003	< 0.001					24	12	12	22	24		
	8/25/1991		0.003	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	6.90	0.009	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.04	0.002						12	12	24	24		
	2/23/1992	7.00			< 0.005	< 0.005			24		10	24	24		
	4/11/1992		< 0.002	< 0.002						12	12				
	4/12/1992	6.90			< 0.005				24			24			──
	6/12/1992		0.007	< 0.002						12	12				
	6/14/1992	7.00			< 0.005				24			24			───
	8/8/1992		< 0.002							12					───
	8/9/1992	7.40			< 0.005				24			24			───
	10/9/1992		0.002							12					\vdash
	10/11/1992	7.30			< 0.005				24			24			
	2/21/1993	7.00	0.004	0.002					24	11	11				
	4/25/1993	7.00	0.004	< 0.002					24	11	11				
	6/6/1993	7.30	0.006	0.003					24	11	11				
	8/8/1993	9.30	0.008	0.004					24	11	11				

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				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	10/8/1993	6.50	0.003	0.002					24	11	11				
	12/12/1993	6.60	0.005	0.002					24	11	11				
	2/13/1994	7.00	0.006	0.006					24	24	24				
	4/17/1994	7.20	0.012	0.012					24	24	24				
	6/12/1994	7.20	0.01	0.002					24	24	24				
	8/28/1994	5.70	0.002	< 0.002					24	24	24				
	10/30/1994	6.70	< 0.002	< 0.002					24	24	24				
	1/29/1995	6.80	< 0.002	0.003					24	15	15				
	3/31/1995		< 0.002	< 0.002						15	15				
	5/21/1995	6.70	0.007	0.003					24	15	15				
	7/30/1995		0.007	< 0.002						15	15				
	9/24/1995	5.80	< 0.002	< 0.002					24	15	15				
	11/19/1995	6.70	< 0.002	< 0.002					24	15	15				
	1/27/1996	6.50	0.013	< 0.002					24	14	14				
	3/31/1996	6.80	< 0.002	0.003					24	14	14				
	5/19/1996	6.40	0.002	0.008					24	14	14				
	7/21/1996	6.10	< 0.002	< 0.002					24	14	14				
	9/8/1996	6.60	< 0.002	0.003					24	14	14				
	11/10/1996	6.60	< 0.002	0.002					24	14	14				
	1/25/1997	7.50	< 0.002	< 0.002					24	13	13				
	1/27/1997		< 0.002	< 0.002					I	24	24				
	3/15/1997	6.50							24						
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	NS	NS	NS					24	13	13				
	8/3/1997	6.62	0.002	< 0.002					24	13	13				
	9/28/1997	6.62	< 0.002	< 0.002					24	13	13				
	11/16/1997	6.29	< 0.002	< 0.002					24	13	13				
	3/29/1998	6.71	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.71	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.58	< 0.002	< 0.002					17	17	17				
	9/27/1998	6.23	< 0.001	< 0.001					17	17	17				
	11/22/1998	NS	NS	NS					17	17	17				
	5/24/1999	6.90	0.0082	< 0.005					18	16, 18	16, 18				
	7/29/1999	6.90	0.0002	0.01					18	16, 18	16, 18				
	10/3/1999	6.10	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	6.86	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.92	< 0.010	< 0.010					19	10, 10	10, 10				
	4/9/2000	6.22	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.21	< 0.010	< 0.010					24	24	24				
	3/23/2001	7.13	< 0.010	< 0.010					20	20	20				
	7/1/2001	6.87	< 0.010	< 0.010					20	20	20				
	8/12/2001	6.88	< 0.010	< 0.010					20	20	20				
	11/4/2001	6.10	< 0.010	< 0.010					20	20	20				
	3/8/2002	6.89	0.01	< 0.010					20	20	20				
	6/30/2002	6.87		< 0.010					21	21	21				

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referer	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/18/2002	6.16	< 0.010	< 0.010					24	24	24				
	11/17/2002	6.10	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.29	< 0.006	< 0.006					24	24	24				
	6/26/2003	6.40	< 0.006	< 0.006					24	24	24				
	7/18/2003	6.41	< 0.006	< 0.006					24	24	24				
	12/22/2003	6.33	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.45	< 0.006	< 0.006					24	24	24				
	3/20/2005	NS	NS	NS					24	24	24				
	11/22/2005	6.01	< 0.006	< 0.006					24	24	24				
MW-12	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	3.90	0.048	0.013	0.04	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24				24		
	July 1990	3.9	0.048	0.013	0.04	< 0.005			23	23	23	23	23		
	9/27/1990		0.05	0.017	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	Sept. 1990	6.9	0.05	0.017	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS	0.003	0.003					24	12	12				
	12/6/1990	5.00	0.003	0.003	< 0.005	< 0.005			24	10, 22	22	10, 22	22		
	12/12/1990	NS							24						
	12/13/1990	NS	0.003			< 0.005			24	24			24		
	12/20/1990	NS		0.003	< 0.005	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	Jan. 1991		0.003	0.003	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS	0.011	0.006					24	12	12				
	3/8/1991	4.80	0.011	0.006	< 0.005	< 0.005			10	10, 22	10, 22	10, 22	10		
	3/9/1991	NS			< 0.005				24			24			
	3/10/1991	NS		0.006		< 0.005			24				24		
	March 1991	6.4	0.011	0.006	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	3.90	0.025	0.025					24	12	12				
	6/30/1991		0.025	0.025	< 0.005	< 0.005				22	22	22	24		
	8/23/1991	4.70	0.004	0.002					24	12	12				

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				Sample Data	1							Referer	ices		
			Total		Total				[Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/25/1991		0.004	0.002	< 0.005	< 0.005			<u> </u>	22	22	22	24		
	11/10/1991	3.90	0.006	0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.053	< 0.002						12	12				
	2/23/1992	3.60			< 0.005	< 0.005			24			24	24		
	4/11/1992		< 0.002	0.002						12	12				
	4/12/1992	4.10			< 0.005				24			24			
	6/12/1992		0.004	0.005					İ	12	12				
	6/14/1992	4.00			< 0.005				24			24			
	8/8/1992		0.002							12					
	8/9/1992	4.50			< 0.005				24			24			
	10/9/1992		0.005							12					
	10/11/1992	4.80			< 0.005				24			24			
	2/21/1993	5.00	0.002	< 0.002					24	11	11				
	4/25/1993	4.80	0.005	0.003					24	11	11		1		
	6/6/1993	5.10	0.008	0.006					24	11	11				
	8/8/1993	8.50	0.004	< 0.002					24	11	11				
	10/8/1993	4.00	0.005	0.005					24	11	11				
	12/12/1993	4.40	0.005	0.004					24	11	11				
	2/13/1994	5.20	0.011	0.008					24	24	24				
	4/17/1994	NS	0.03	0.03					24	24	24				
	6/12/1994	7.20	0.006	0.004					24	24	24				
	8/28/1994	5.30	< 0.002	< 0.002					24	24	24				
	10/30/1994	3.80	< 0.002	<0.002					24	24	24				
	1/29/1995	4.40	0.002	0.002					24	15	15				
	3/31/1995		0.004	0.003					27	15	15				
	5/21/1995	3.30	0.003	0.005					24	15	15				
	7/30/1995		0.008	< 0.002					24	15	15				
	9/24/1995	3.80	0.000	0.002					24	15	15				
	9/24/1993	3.60	< 0.004	0.003					24	15	15				-
	1/27/1995	4.20	0.002	0.003					24	13	13				
	3/31/1996	3.40	0.003	0.007					24	14	14				
	5/19/1996	3.10	0.007	0.007					24	14	14				
	7/21/1996	3.30	< 0.002	0.002					24	14	14				
	9/8/1996	4.30	0.003	0.002					24	14	14				
	11/10/1996	3.70	< 0.002	< 0.002					24	14	14				
	1/25/1997	3.50	0.003	< 0.002					24	13	13				
	1/27/1997		0.003	< 0.002						24	24				l
	3/15/1997	3.60							24						
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	3.80	0.004	0.003					24	13	13				L
	8/3/1997	3.79	0.003	0.004					24	13	13				
	9/28/1997	3.73	< 0.002	< 0.002					24	13	13				
	11/16/1997	3.57	0.006	0.003					24	13	13				
	3/29/1998	3.72	< 0.002	< 0.002					17	17	17				
	5/17/1998	3.72	0.006	< 0.002					17	17	17				1

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				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/26/1998	3.78	< 0.002	< 0.002					17	17	17				
	9/27/1998	4.17	< 0.001	< 0.001					17	17	17				
	11/22/1998	3.58	< 0.005	< 0.005					17	17	17				
	5/24/1999	4.79	0.006	0.0062					18	16, 18	16, 18				
	7/29/1999	4.60	0.0053	0.0062					18	16, 18	16, 18				
	10/3/1999	4.20	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	4.75	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	4.67	< 0.010	< 0.010					19	19	19				
	4/9/2000	3.69	< 0.010	< 0.010					24	24	24				
	7/30/2000	3.80	< 0.010	< 0.010					24	24	24				
	3/23/2001	4.21	< 0.010	< 0.010					20	20	20				
	7/1/2001	5.18	< 0.010	< 0.010					20	20	20				
	8/12/2001	4.95	< 0.010	< 0.010					20	20	20				
	11/4/2001	5.00	< 0.010	< 0.010					20	20	20				
	3/8/2002	4.96	0.012	0.011					21	21	21				
	6/30/2002	5.04							21	21	21				
	8/18/2002	4.24	0.013	0.01					24	24	24				
	11/17/2002	4.40	< 0.010	< 0.010					24	24	24				
	3/27/2003	4.38	0.006	< 0.006					24	24	24				
	6/26/2003	4.70	0.006	< 0.006					24	24	24				
	7/18/2003	4.01	0.006	< 0.006					24	24	24				
	12/22/2003	4.51	0.006	< 0.006					24	24	24				
	3/31/2004	4.25	0.008	< 0.006					24	24	24				
	3/20/2005	6.34	< 0.006	< 0.006					24	24	24				
	11/22/2005	4.30	< 0.006	< 0.006					24	24	24				
MW-13	5/20/1983		NS		NS					24	21	24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS	24	24		24		24	24
	4/24/1986		NS							24		24		24	24
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24	24	24	24		
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24	24	24	24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		<u> </u>
	2/1/1989		NS	NS	NS	NS				24	24	24	24		<u> </u>
	7/18/1989		NS		NS NS					24		24	24		<u> </u>
	2/8/1990		NS	NS NS	NS NS	NS NS				24	24 24	24	24		<u> </u>
									10						<u> </u>
	7/17/1990	7.00	0.065	< 0.001	0.03	< 0.005			10	10	10	10	10		
	7/18/1990	NS 7.00				< 0.005			24			22	24		
	July 1990	7.00	0.07	0.00	0.03	< 0.005			23	23	23	23	23		
	9/25/1990		0.024	0.004	< 0.005	< 0.005				10, 12*	10, 12*	10	10		<u> </u>
	9/27/1990		0.065	0.001	< 0.005	< 0.005				24	24	24	24		

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				Sample Data	1				:			Referer	ices		
			Total		Total							Total			
	Sample	рН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	Sept. 1990	5	0.024	0.004	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	0.018			NS			24	24			24		
	12/20/1990	6.90	0.018	< 0.001	< 0.005	< 0.005			24	12, 22	12, 22	22	22		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24			24	24		
	Jan. 1991		0.018	< 0.001	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	6.40	0.035	0.001	< 0.005	< 0.005			10	10, 12, 22	10, 12, 22	10, 22	10		
	3/8/1991	NS	0.035						24	24					
	3/9/1991	NS			< 0.005				24			24			
	3/10/1991	NS		0.001		< 0.005			24		24		24		
	March 1991	4.80	0.04	0.00	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.00	0.03	< 0.001	< 0.005				24	12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005						24	24		
	8/23/1991	6.90	0.016	< 0.001					24	12	12				
	8/24/1991		0.016	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	7.00	0.022	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22*	22	24		
	2/22/1992		0.12	< 0.002						12	12				
	2/23/1992	6.70			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.014	< 0.002						12	12				
	4/12/1992	6.70			< 0.005				24			24			
	6/12/1992		0.008	< 0.002						12	12				
	6/14/1992	6.70			< 0.005				24			24			
	8/8/1992		< 0.002	0.002						12	24				
	8/9/1992	7.20			< 0.005				24			24			
	10/9/1992		0.004	< 0.002						12	24				
	10/11/1992	6.80			< 0.005				24			24			
	2/21/1993	7.40	0.011	0.002					24	11	11				
	4/25/1993	6.60	0.003	< 0.002					24	11	11				
	6/6/1993	6.70	0.007	0.004					24	11	11				
	8/8/1993	7.70	0.005	< 0.002					24	11	11				
	10/8/1993	5.70	0.004	< 0.002					24	11	11				
	12/12/1993	5.30	0.01	< 0.002					24	11	11				
	2/13/1994	7.20	0.015	0.006					24	24	24				
	4/17/1994	7.30	0.025	0.004					24	24	24				
	6/12/1994	7.40	0.009	0.001					24	24	24				
	8/28/1994	5.80	0.003	< 0.002					24	24	24				
	10/30/1994	6.40	< 0.002	< 0.002					24	24	24		1		
	1/29/1995	6.70	0.005	< 0.002					24	15	15				
	3/31/1995		0.004	< 0.003						15	15				
	5/21/1995	6.70	0.007	0.005					24	15	15				
	7/30/1995		0.005	0.004						15	15				
	9/24/1995	5.70	< 0.002	0.004					24	15	15				

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	11/19/1995	6.50	< 0.002	< 0.002					24	15	15				
	1/27/1996	6.80	< 0.002	< 0.002					24	14	14				
	3/31/1996	6.80	0.004	< 0.002					24	14	14				
	5/19/1996	6.70	NS	NS					24	24					
	7/21/1996	6.40	0.003	< 0.002					24	14	14				
	9/8/1996	6.70	< 0.002	< 0.002					24	14	14				
	11/10/1996	7.00	0.005	0.006					24	14	14				
	1/25/1997	6.80	0.004	0.002					24	13	13				
	1/27/1997		0.004	0.002						24	24				
	3/15/1997	6.50							24		24				
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	6.70	< 0.002	0.003					24	13	13				
	8/3/1997	6.82	< 0.002	< 0.002					24	13	13				
	9/28/1997	6.81	< 0.002	< 0.002					24	13	13				
	11/16/1997	6.67	< 0.002	< 0.002					24	13	13				
	3/29/1998	6.59	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.59	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.67	< 0.002	< 0.002					17	17	17				
	9/27/1998	6.67	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.51	0.0053	0.019					17	17	17				
	5/24/1999	6.38	0.012	0.0073					18	16, 18	16, 18				
	7/29/1999	6.40	0.0054	< 0.005					18	16, 18	16, 18				
	10/3/1999	6.00	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	6.18							18	18	18				
	1/16/2000	6.32	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.69	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.71	< 0.010	< 0.010					24	24	24				
	3/23/2001	7.04	< 0.010	< 0.010					20	20	20				
	7/1/2001	6.40							20	20	20				
	8/12/2001	6.31	< 0.010	< 0.010					20	20	20				
	11/4/2001	6.40	< 0.010	< 0.010					20	20	20				
	3/8/2002	6.17	0.012	< 0.010					21	21	21				
	6/30/2002	6.28							21	21	21				
	8/18/2002	6.47	0.015	0.011					24	24	24				1
	11/17/2002	6.50	< 0.010	< 0.010					24	24	24				1
	3/27/2003	6.61	< 0.006	< 0.006					24	24	24				1
	6/26/2003	6.65	< 0.006	< 0.006					24	24	24				1
	7/18/2003	6.59	< 0.006	< 0.006					24	24	24				1
	12/22/2003	6.62	< 0.006	< 0.006					24	24	24				1
	3/31/2004	6.64	< 0.006	< 0.006					24	24	24				1
	3/20/2005	6.26	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.37	< 0.006	< 0.006					24	24	24				
MW-14	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS				-	24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24

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				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	6.40	0.01	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24				24		
	July 1990	6.4	0.01	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.006	0.003	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	Sept. 1990	6.9	0.006	0.003	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS							24		-	-	_		
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24	2.	24	24	24		
	1/24/1991	NS	0.005	< 0.001					24	12	12	2.	2.		
	1/25/1991	7.00	0.005	< 0.001	< 0.005	< 0.005			24	22	22	22	22		
	Jan. 1991		0.005	< 0.001	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS							24	23	25	20	25		
	3/8/1991	NS	0.006	0.001					24	12	12				
	3/9/1991	6.80	0.006	0.001	< 0.005				10	10, 22	22	10, 22			
	3/10/1991	NS		0.001		< 0.005			24	10, 22	24	10, 22	24		
	March 1991	6.40	0.01	0.00	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	6.80	0.004	0.001	< 0.005				23	12, 22	12, 22	23	25		
	6/30/1991				< 0.005	< 0.005			21	12, 22	12, 22		24		
	8/23/1991	6.40	0.001	< 0.001	< 0.005	< 0.005			24	12	12		27		
	8/25/1991		0.001	< 0.001	< 0.005	< 0.005			24	22	22	22	24		
	11/10/1991	6.60	0.001	< 0.001	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.004	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22		24		
	2/22/1992	6.20		< 0.002	< 0.005	< 0.005			24	12	12	24	24		
	4/11/1992	0.20	< 0.002	< 0.002	< 0.005	<0.005			24	12	12	24	24		
	4/11/1992	6.30	< 0.002	< 0.002	< 0.005				24	12	12	24			
	6/12/1992	0.50	0.003	< 0.002	< 0.005				4	12	12	24			
	6/14/1992	6.30		< 0.002	< 0.005				24	12	12	24			
	8/8/1992	0.50	< 0.002		< 0.005				24	12		24			
	8/8/1992 8/9/1992	6.60	< 0.002		< 0.005				24	12		24			
	8/9/1992	0.00	0.006		< 0.005				24	12		24			
	10/9/1992	6.30	0.006		< 0.005				24	12		24			

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				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	2/21/1993	7.50	0.004	< 0.002					24	11	11				
	4/25/1993	5.80	0.006	< 0.002					24	11	11				
	6/6/1993	6.00	0.005	0.005					24	11	11				
	8/8/1993	7.60	< 0.002	< 0.002					24	11	11				
	10/8/1993	5.30	< 0.002	< 0.002					24	11	11				
	12/12/1993	5.50	0.003	< 0.002					24	11	11				
	2/13/1994	7.40	0.008	0.008					24	24	24				
	4/17/1994	7.40	0.012	< 0.002					24	24	24				
	6/12/1994	5.70	0.006	0.005					24	24	24				
	8/28/1994	6.20	0.002	< 0.002					24	24	24				
	10/30/1994	6.10	< 0.002	< 0.002					24	24	24				
	1/29/1995	6.90	< 0.002	< 0.002					24	15	15				
	3/31/1995		0.005	< 0.002						15	15				
	5/21/1995	6.70	0.005	0.005					24	15	15				
	7/30/1995		0.004	< 0.002						15	15				
	9/24/1995	5.30	< 0.002	< 0.002					24	15	15				
	11/19/1995	6.10	< 0.002	< 0.002					24	15	15				
	1/27/1996	6.40	< 0.002	< 0.002					24	14	14				
	3/31/1996	6.20	0.002	< 0.002					24	14	14				
	5/19/1996	6.30	0.003	< 0.002					24	14	14				
	7/21/1996	6.10	< 0.002	< 0.002					24	14	14				
	9/8/1996	6.30	< 0.002	< 0.002					24	14	14				
	11/10/1996	6.60	0.004	< 0.002					24	14	14				
	1/25/1997	6.50	0.002	< 0.002					24	13	13				
	1/27/1997		0.002	< 0.002						24	24				
	3/15/1997	6.40							24						
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	6.50	< 0.002	< 0.002					24	13	13				
	8/3/1997	6.42	0.004	< 0.002					24	13	13				
	9/28/1997	NS	NS	NS					24						
	11/16/1997	6.69	< 0.002	< 0.002					24	13	13				
	3/29/1998	6.61	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.61	< 0.002	< 0.002					24		24				
	7/26/1998	5.86	< 0.002	< 0.002					17	17	17				
	9/27/1998	6.10	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.11	< 0.005	< 0.005					17	17	17				
	5/24/1999	3.84	0.0056	0.0056					18	16, 18	16, 18				
	7/29/1999	3.90	0.0061	< 0.005					18	16, 18	16, 18				
	10/3/1999	3.70	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	3.76							18	18	18				
	1/16/2000	3.79	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.58	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.32	< 0.010	< 0.010					24	24	24				
	3/23/2001	3.94	< 0.010	< 0.010					20	20	20				
	7/1/2001	4.36	< 0.010	< 0.010					20	20	20				

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				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/12/2001	3.92	< 0.010	< 0.010					20	20	20				
	11/4/2001	4.10	< 0.010	< 0.010					20	20	20				
	3/8/2002	4.05	0.012	< 0.010					21	21	21				
	6/30/2002	4.04							21	21	21				
	8/18/2002	6.26	< 0.010	< 0.010					24	24	24				
	11/17/2002	6.20	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.64	0.008	< 0.006					24	24	24				
	6/26/2003	6.55	< 0.006	< 0.006					24	24	24				
	7/18/2003	6.39	< 0.006	< 0.006					24	24	24				
	12/22/2003	6.22	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.84	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.24	< 0.006	< 0.006					24	24	24				1
	11/22/2005	5.97	< 0.006	< 0.006					24	24	24				
MW-15	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24			
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	6.90	0.01	0.003	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24				24		
	July 1990	6.90	0.01	0.00	< 0.005	< 0.005			23	23	23	23	23		
	9/25/1990		0.008	0.002	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	9/27/1990		0.01	0.003	< 0.005	< 0.005				24	24	24	24		1
	Sept. 1990	7	0.008	0.002	< 0.005	< 0.005			23	23	23	23	23		1
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	0.007			NS			24	24			24		
	12/20/1990	6.90	0.007	0.001	< 0.005	< 0.005			24	22, 10, 12*	22, 10, 12*	10, 22	22		1
	1/24/1991	NS		NS					24		24				1
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	Jan. 1991		0.007	0.001	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS							24						İ
	3/8/1991	6.80	0.009	0.001	< 0.005	< 0.005			10	12, 22	10, 12, 22	22	10		İ
	3/9/1991	NS			NS				24			24			İ

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				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/10/1991	NS		0.001		< 0.005			24						
	March 1991	6.8	0.009	0.001	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.00	0.009	0.001	< 0.005				24	12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005							24		
	8/23/1991	6.80	0.009	< 0.001					24	12	12				
	8/24/1991		0.009	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	7.00	0.009	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.048	0.003						12	12				
	2/23/1992	6.90			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.002	< 0.002						12	12				
	4/12/1992	7.00			< 0.005				24			24			
	6/12/1992		0.003	< 0.002						12	12				
	6/14/1992	6.90			< 0.005				24			24			
	8/8/1992		< 0.002							12					
	8/9/1992	7.30			< 0.005				24			24			
	10/9/1992		< 0.002							12					
	10/11/1992	7.20			< 0.005				24			24			
	2/21/1993	7.20	0.003	0.006					24	11	11				
	4/25/1993	7.10	0.009	< 0.002					24	11	11				
	6/6/1993	7.20	0.008	0.004					24	11	11				
	8/8/1993	8.30	0.006	0.006					24	11	11				
	10/8/1993	6.40	0.008	0.003					24	11	11				
	12/12/1993	6.90	0.004	< 0.002					24	11	11				
	2/13/1994	7.10	0.015	0.012					24	24	24				
	4/17/1994	7.20	0.016	< 0.002					24	24	24				
	6/12/1994	6.40	0.005	< 0.002					24	24	24				
	8/28/1994	6.20	0.003	< 0.002					24	24	24				
	10/30/1994	5.30	0.004	< 0.002					24	24	24				
	1/29/1995	6.80	0.002	< 0.002					24	15	15				
	3/31/1995		< 0.002	< 0.003					- 24	15	15				
	5/21/1995	6.80	0.007	0.002					24	15	15				
	7/30/1995	 5 00	0.004	< 0.002					24	15 15	15 15				
	9/24/1995	5.80	<0.002	0.003					24 24	15	15				<u> </u>
	11/19/1995 1/27/1996	6.60 7.00	< 0.002	< 0.003					24	15	15				<u> </u>
										14	14				<u> </u>
	3/31/1996 5/19/1996	7.00	0.006	0.003					24 24	14	14				<u> </u>
	5/19/1996	6.70 6.30	0.003	< 0.004					24 24	14	14				
	9/8/1996	6.30	< 0.002	< 0.002					24 24	14	14				<u> </u>
	9/8/1996	7.00	< 0.002	0.002					24 24	14	14				<u> </u>
	1/25/1997	6.80	< 0.003	< 0.002					24	14	14				<u> </u>
	1/23/1997	0.80	< 0.002	< 0.002					24	24	24				<u> </u>
	3/15/1997	6.80	< 0.002	< 0.002					24	24	24				<u> </u>
	3/15/1997 3/16/1997	0.80	< 0.002	< 0.002					24	13	13				<u> </u>
	5/18/1997	6.80	< 0.002	< 0.002					24	13	13				<u> </u>

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				Sample Data	1							Referer	nces		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	8/3/1997	6.78	0.002	< 0.002					24	13	13	τ, ο γ			
	9/28/1997	6.82	< 0.002	< 0.002					24	13	13				<u> </u>
	11/16/1997	6.70	0.004	0.004					24	13	13				
	3/29/1998	6.86	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.86	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.69	< 0.002	< 0.002					17	17	17				
	9/27/1998	6.63	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.53	< 0.005	< 0.005					17	17	17				
	5/24/1999	6.83	0.013	0.0061					18	16, 18	16, 18				
	7/29/1999	6.70	0.0081	0.0087					18	16, 18	16, 18				
	10/3/1999	6.40	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999		< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.70	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.65	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.61	< 0.010	< 0.010					24	24	24				
	3/23/2001	6.65	< 0.010	< 0.010					20	20	20				
	7/1/2001	NS	< 0.010	< 0.010					20	20	20				
	8/12/2001	6.62							20	20	20				
	11/4/2001	6.70							20	20	20				
	3/8/2002	6.65	< 0.010	< 0.010					21	21	21				
	6/30/2002	6.56							21	21	21				
	8/18/2002	6.49	< 0.010	< 0.010					24	24	24				
	11/17/2002	6.74	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.69	0.008	0.009					24	24	24				
	6/26/2003	6.73	< 0.006	< 0.006					24	24	24				
	7/18/2003	6.78	< 0.006	< 0.006					24	24	24				
	12/22/2003	6.70	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.72	< 0.006	0.007					24	24	24				
	3/20/2005	NS	NS	NS					24	24	24				
	11/22/2005	6.02	< 0.006	< 0.006					24	24	24				
MW-16	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS	[24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/17/1990	NS	DRY	NS	NS				24	24	24	24			
	7/18/1990	NS				NS			24				24		
	July 1990	DRY	DRY	DRY	DRY	DRY			23	23	23	23	23		
	9/27/1990		DRY	DRY	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	10.7	0.028	0.008	< 0.005	< 0.005			23	23	23	23	23		
	10/1/1990		0.028	0.008	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	12/5/1990	10.70	DRY	DRY					24	12	12				
	12/6/1990	DRY							24						
	12/12/1990	NS							24						
	12/13/1990	NS	DRY			NS			24	24			24		
	12/20/1990	NS		DRY	NS	NS			24		24	24	24		
	1/24/1991	NS		DRY					24		24				
	1/25/1991	NS	DRY		NS	NS			24	24		24	24		1
	Jan. 1991		DRY	DRY	DRY	DRY				23	23	23	23		
	3/7/1991	NS							24	-		-			1
	3/8/1991	NS	DRY						24	24					
	3/9/1991	DRY	DRY	DRY	NS				10.00	12	12	24			
	3/10/1991	NS		DRY		NS			24				24		
	March 1991	DRY	DRY	DRY	DRY	DRY			23	23	23	23	23		
	6/29/1991	10.40	DRY	DRY					24	12	12	20	20		
	6/30/1991				DRY	DRY			21	12	12	24	24		
	8/23/1991	8.60	DRY	DRY					24	12	12	24	24		
	8/24/1991		DRY	DRY	DRY	DRY			24	22	22	22	22		
	11/10/1991	NS	DRY	DRY	DRY	DRY			24	12, 22	12, 22	22	22		
	2/22/1992		DRY	DRY					24	12, 22	12, 22	22	22		
	2/22/1992	6.90			NS	NS			24	12	12	24	24		
	4/11/1992		DRY	DRY					24	12	12	24	24		<u> </u>
	4/12/1992	NS			DRY				24	12	12	24			<u> </u>
	6/12/1992		DRY	DRY					24	12	12	24			<u> </u>
	6/12/1992	NS		DK I	DRY				24	12	12	24			
	8/8/1992	NS 	DRY						24	12		24			
	8/8/1992 8/9/1992		DR Y		DRY				24	12		24			───
	8/9/1992	NS	DRY		DR Y				24	12		24			───
									24	12		24			───
	10/11/1992	NS			DRY				24	11	11	24			───
	2/21/1993	NS	DRY	DRY					24	11	11				───
	4/25/1993	NS	DRY	DRY					24	11	11				───
	6/6/1993	NS	DRY	DRY					24	11	11				───
	8/8/1993	NS	DRY	DRY					24	11	11				───
	10/8/1993	NS	DRY	DRY					24	11	11				
	12/12/1993	NS	DRY	DRY					24	11	11				───
	2/13/1994	NS	DRY	DRY					24	24	24				───
	4/17/1994	NS	DRY	DRY					24	24	24				
	6/12/1994	NS	DRY	DRY					24	24	24				
	8/28/1994	NS	DRY	DRY					24	24	24				
	10/30/1994	NS	DRY	DRY					24	24	24				

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	1/29/1995	NS	NS	NS					24	15	15				
	3/31/1995		NS	NS						15	15				
	5/21/1995	NS	NS	NS					24	15	15				
	7/30/1995		NS	NS						15	15				
	9/24/1995	NS	NS	NS					24	15	15				
	11/19/1995	NS	NS	NS					24	15	15				
	1/27/1996	NS	NS	NS					24	14	14				
	3/31/1996	NS	NS	NS					24	14	14				
	5/19/1996	NS	DRY	DRY					24	24	24				
	7/21/1996	NS	0.002	< 0.002					24	14	14				
	9/8/1996	NS	NS	NS					24	14	14				
	11/10/1996	NS	NS	NS					24	14	14				
	1/25/1997	NS	NS	NS					24	13	13				
	1/27/1997		DRY	DRY						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						13	13				
	5/18/1997	NS	NS	NS					24	13	13				
	8/3/1997	NS	NS	NS					24	13	13				
	9/28/1997	NS	NS	NS					24	13	13				
	11/16/1997	NS	NS	NS					24	13	13				
	3/29/1998	NS	NS	NS					17	17	17				
	5/17/1998	NS	NS	NS					17	17	17				
	7/26/1998	NS	NS	NS					17	17	17				
	9/27/1998	NS	NS	NS					17	17	17				
	11/22/1998	NS	NS	NS					17	17	17				
	5/24/1999	6.60	NS	NS					18	16, 18	16, 18				
	7/29/1999	6.40	NS	NS					18	16, 18	16, 18				
	10/3/1999	6.10	NS	NS					18	16, 18	16, 18				
	11/14/1999								18	18	18				
	1/16/2000	6.63							19	19	19				
	4/9/2000	NS	DRY	DRY					24	24	24				
	7/30/2000	NS	DRY	DRY					24	24	24				
	3/23/2001	6.41							20	20	20				
	7/1/2001	6.27							20	20	20				<u> </u>
	8/12/2001	6.22							20	20	20				<u> </u>
	11/4/2001	6.40							20	20	20				<u> </u>
	3/8/2002	6.49							21	21	21				<u> </u>
	6/30/2002	6.16							21	21	21				<u> </u>
	8/18/2002	NS	DRY	DRY					24	24	24				<u> </u>
	11/17/2002	NS	DRY	DRY					24	24	24				<u> </u>
	3/27/2003	NS	DRY	DRY					24	24	24				<u> </u>
	6/26/2003	NS	DRY	DRY					24	24	24				<u> </u>
	7/18/2003	NS	DRY	DRY					24	24	24				<u> </u>
	12/22/2003	NS	DRY	DRY					24	24	24				<u> </u>
	3/31/2004	NS	DRY	DRY					24	24	24				

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data								Referer	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/20/2005	NS	DRY	DRY					24	24	24				
	11/22/2005	NS	DRY	DRY					24	24	24				
MW-16S	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		1
	2/1/1989		NS	NS	NS	NS			İ	24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	6.80	0.003	0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24	10	10	10	24		
	July 1990	6.80	0.00	0.00	< 0.005	< 0.005			23	23	23	23	23		
	9/25/1990		0.015	0.004	< 0.005	< 0.005			20	10	10	10	10		
	9/26/1990		0.003	0.001	< 0.005	< 0.005				10	10	24	24		
	Sept. 1990	6.9	0.005	0.001	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	6.70	0.007	< 0.004	< 0.005	< 0.005			24	12, 22	10, 12, 22*	23	10, 22		
	12/6/1990	NS							24	12, 22	10, 12, 22		10, 22		
	12/12/1990	NS							24						
	12/12/1990	NS	0.007			< 0.005			24	24			24		
	12/20/1990	NS		< 0.001	< 0.005	NS			24	24	24	24	24		
	1/24/1991	NS		NS					24		24	24	24		
	1/24/1991	NS	NS		NS	NS			24	24	24	24	24		
	Jan. 1991		0.007	< 0.001	< 0.005	< 0.005			24	24	23	24	24		
	3/7/1991	6.10	0.007	< 0.001	< 0.005	< 0.005			10	10, 12, 22	10, 12, 22	10, 22	10		
	3/8/1991	NS	0.008	< 0.001	< 0.005				24	24	10, 12, 22	10, 22	10		
	3/9/1991	NS			< 0.005				24	24		24			
	3/10/1991	NS		< 0.001	< 0.005	< 0.005			24		24	24	24		<u> </u>
	March 1991	6.8	0.008	< 0.001	< 0.005	< 0.005			24	23	24	23	24		<u> </u>
	6/29/1991	6.90	0.008	0.001	< 0.005	< 0.005			23	12, 22	23	23	23		<u> </u>
	6/29/1991	6.90	0.003		< 0.005	< 0.005			24	12, 22	22	22	24		├───
	6/30/1991 8/23/1991	6.40	0.012	< 0.001	< 0.005	< 0.005			24	12	12	24	24		───
	8/23/1991 8/24/1991	6.40	0.012	< 0.001	< 0.005	< 0.005			24	22	22	22	24		├───
									24						──
	11/10/1991	6.80	0.01	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		──
	2/22/1992		0.113	< 0.002					24	12	12	24	24		<u> </u>
	2/23/1992	6.80			< 0.005	< 0.005			24	10	10	24	24		───
	4/11/1992 4/12/1992	6.30	< 0.002	< 0.002	< 0.005				24	12	12	24			───

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	ı							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	6/12/1992		< 0.002	< 0.002						12	12				
	6/14/1992	6.50			< 0.005				24			24			
	8/8/1992		< 0.002							12					
	8/9/1992	6.40			< 0.005				24			24			
	10/9/1992		0.008							12					
	10/11/1992	6.60			< 0.005				24			24			
	2/21/1993	6.50	< 0.002	0.003	-				24	11	11				
	4/25/1993	6.60	0.003	0.002	-				24	11	11				
	6/6/1993	5.70	0.02	0.007	-				24	11	11				
	8/8/1993	6.50	0.004	< 0.002					24	11	11				
	10/8/1993	6.70	0.005	< 0.002					24	11	11				
	12/12/1993	6.40	0.02	0.003					24	11	11				
	2/13/1994	6.70	0.006	0.006					24	24	24				
	4/17/1994	7.30	0.015	0.006					24	24	24				
	6/12/1994	6.70	0.01	0.004					24	24	24				
	8/28/1994	6.50	0.014	< 0.002					24	24	24				
	10/30/1994	6.40	0.012	0.004					24	24	24				
	1/29/1995	6.50	0.004	< 0.002					24	15	15				
	3/31/1995		0.006	0.004						15	15				
	5/21/1995	6.10	0.006	0.002					24	15	15				
	7/30/1995		0.016	0.005						15	15				
	9/24/1995	6.20	0.002	0.006					24	15	15				
	11/19/1995	6.70	< 0.002	< 0.002					24	15	15				
	1/27/1996	6.50	< 0.002	< 0.002					24	14	14				
	3/31/1996	6.20	0.003	0.002					24	14	14				
	5/19/1996	6.10	< 0.002	0.009					24	14	14				
	7/21/1996	5.80	0.003	< 0.002					24	14	14				
	9/8/1996	6.70	< 0.002	< 0.002					24	14	14				
	11/10/1996	6.70	0.005	0.005					24	14	14				
	1/25/1997	6.40	0.003	0.003					24	13	13				
	1/27/1997		0.003	0.003						24					
	3/15/1997	6.10							24						
	3/16/1997		0.002	< 0.002						13	13				
	5/18/1997	6.20	< 0.002	0.003					24	13	13				
	8/3/1997	6.23	0.002	< 0.002					24	13	13				
	9/28/1997	6.29	0.024	0.024					24	13	13				
	11/9/1997	6.87	< 0.002	< 0.002					24	13	13				
	3/29/1998	6.32	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.32	0.005	0.003					17	17	17				
	7/26/1998	6.17	0.002	< 0.002					17	17	17				
	9/27/1998	5.98	< 0.001	< 0.001					17	17	17				
	11/22/1998	5.65	0.018	0.0061					17	17	17				
	5/24/1999	6.73	0.011	0.011					18	16, 18	16, 18				
	7/29/1999	6.60	0.012	0.011					18	16, 18	16, 18				
	10/3/1999	6.30	< 0.012	< 0.011					18	16, 18	16, 18				

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	11/14/1999	6.60	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.59	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.28	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.25	< 0.010	< 0.010					24	24	24				
	3/23/2001	6.81	< 0.010	< 0.010					20	20	20				
	7/1/2001	6.64							20	20	20				
	8/12/2001	NS	0.012	< 0.010					20	20	20				
	11/4/2001	NS	0.012	0.01					20	20	20				
	3/8/2002	6.64	0.026	0.018					21	21	21				
	6/30/2002	6.43							21	21	21				
	8/18/2002	6.10	0.036	0.023					24	24	24				
	11/17/2002	6.84	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.25	0.01	0.009					24	24	24				
	6/26/2003	6.25	0.01	0.006					24	24	24				
	7/18/2003	6.36	0.01	0.007					24	24	24				
	12/22/2003	6.25	0.006	0.007					24	24	24				
	3/31/2004	6.97	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.62	< 0.006	< 0.006					24	24	24				
	11/22/2005	NS	NS	NS					24	24	24				
MW-17	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS				1	24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	7.10	0.003	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	NS				< 0.005			24	1			24		
	July 1990	7.10	0.00	0.00	< 0.005	< 0.005			23	23	23	23	23		
	9/26/1990		0.003	0.034	< 0.005	< 0.005				10, 12	10, 12*	10	10		
	9/27/1990		0.003	0.001	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	7.1	0.034	0.003	< 0.005	< 0.005			23	23	23	23	23		
	12/5/1990	NS							24	1					
	12/6/1990	NS							24	Ì					
	12/12/1990	NS							24	1					
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24	1	24	24	24		1

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				Sample Data	1							Referer	ices		
			Total	•	Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	1/24/1991	7.10	0.009	< 0.001	< 0.005	< 0.005			24	12, 22	12, 22	22	22	<u> </u>	
	1/25/1991	NS	0.009		< 0.005	< 0.005			24	24		24	24		
	Jan. 1991		0.009	< 0.001	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	6.40	0.016	0.002	< 0.005				10	12, 22	12, 22	22			
	3/8/1991	NS	0.016	0.002	< 0.005	< 0.005			24	10	10	10	10		
	3/9/1991	NS			< 0.005				24			24			
	3/10/1991	NS		0.002		< 0.005			24		24		24		
	March 1991	6.4	0.016	0.002	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.10	0.016	< 0.001	< 0.005				24	12, 22	12, 22	22			
	6/30/1991				< 0.005	< 0.005						24	24		
	8/23/1991	6.80	0.014	< 0.001					24	12	12				
	8/24/1991		0.014	< 0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	6.60	0.047	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		1
	2/22/1992		0.15	< 0.002						12	12				
	2/23/1992	7.10			< 0.005	< 0.005			24			24	24		
	4/11/1992		0.004	< 0.002						12	12				
	4/12/1992	6.90			< 0.005				24			24			
	6/12/1992		0.007	< 0.002						12	12				
	6/14/1992	6.80			< 0.005				24			24			
	8/8/1992		< 0.002							12					
	8/9/1992	7.00			< 0.005				24			24			
	10/9/1992		< 0.002							12					
	10/11/1992	7.10			< 0.005				24			24			
	2/21/1993	7.10	0.003	0.004					24	11	11				
	4/25/1993	7.10	< 0.002	< 0.002					24	11	11				
	6/6/1993	7.60	0.008	0.004					24	11	11				
	8/8/1993	6.90	0.013	0.004					24	11	11				
	10/8/1993	7.00	0.006	< 0.002					24	11	11				
	12/12/1993	6.80	0.014	0.014					24	11	11				
	2/13/1994	7.50	0.006	0.002					24	24	24				
	4/17/1994	7.60	0.015	0.008					24	24	24				
	6/12/1994	7.20	0.01	0.004					24	24	24				
	8/28/1994	6.80	0.031	0.007					24	24	24				
	10/30/1994	6.80	0.007	0.002					24	24	24				1
	1/29/1995	7.00	0.006	< 0.002					24	15	15				1
	5/21/1995	6.70	0.004	< 0.002					24	15	15				1
	7/30/1995		0.006	0.005						15	15				1
	9/24/1995	6.50	< 0.002	< 0.002					24	15	15				
	11/19/1995	6.60	0.006	< 0.002					24	15	15				1
	1/27/1996	7.20	< 0.002	< 0.002					24	14	14				1
	3/31/1996	NS	NS	NS					24	14	14				
	5/19/1996	6.50	0.003	0.004					24	14	14				
	7/21/1996	6.30	0.003	< 0.002					24	14	14				
	9/8/1996	6.90	< 0.002	< 0.002					24	14	14				
	11/10/1996	6.90	0.002	0.005					24	14	14				1

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	1							Referer	nces		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	1/25/1997	7.00	0.002	< 0.002					24	13	13	τ, ο γ			
	1/27/1997		0.002	< 0.002						24	24				
	3/15/1997	6.50							24						<u> </u>
	3/16/1997		< 0.002	< 0.002						13	13				
	5/18/1997	6.60	< 0.002	0.002					24	13	13				
	8/3/1997	6.58	0.002	0.002					24	13	13				
	9/28/1997	6.75	< 0.002	0.003					24	13	13				
	11/16/1997	6.72	0.005	0.003					24	13	13				
	3/29/1998	6.70	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.70	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.65	0.003	< 0.002					17	17	17				
	9/27/1998	6.57	< 0.001	< 0.001					17	17	17				
	11/22/1998	6.21	< 0.005	< 0.005					17	17	17				
	5/24/1999	NS	0.0086	0.0094					18	16, 18	16, 18				
	7/29/1999	NS	0.026	< 0.005					18	16, 18	16, 18				
	10/3/1999		< 0.010	< 0.010						16, 18	16, 18				
	11/14/1999	NS	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	NS	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.60	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.46	< 0.010	< 0.010					24	24	24				
	3/23/2001	NS	< 0.010	< 0.010					20	20	20				
	7/1/2001	NS	< 0.010	< 0.010					20	20	20				
	8/12/2001	NS	< 0.010	< 0.010					20	20	20				
	11/4/2001	NS	0.1	< 0.010					20	20	20				
	3/8/2002	NS	NS	NS					21	21	21				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	NS	NS	NS					24	24	24				
	11/17/2002	6.70	0.012	< 0.010					24	24	24				
	3/27/2003	6.70	0.032	0.012					24	24	24				
	6/26/2003	6.77	0.01	< 0.006					24	24	24				
	7/18/2003	6.75	0.011	0.007					24	24	24				
	12/22/2003	6.71	0.008	< 0.006					24	24	24				
	3/31/2004	6.72	0.02	< 0.006					24	24	24				
	3/20/2005	6.23	< 0.006	< 0.006					24	24	24				
	11/22/2005	NS	NS	NS					24	24	24				
MW-18	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24	1	24	24
	4/24/1986		NS						1	24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	12/19/1988		NS			NS				24		× 0 /	24	<i>v /</i> /	
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	0.004	< 0.001	< 0.005	< 0.005			10	10	10	10	10		
	7/18/1990	7.30				< 0.005			24				24		
	July 1990	7.3	0.004	0.001	< 0.005	< 0.005			23	23	23	23	23		
	9/27/1990		0.004	0.001	< 0.005	< 0.005				24	24	24	24		
	Sept. 1990	7.6	0.009	0.006	< 0.005	< 0.005			23	23	23	23	23		
	10/1/1990		0.008	0.006	< 0.005	< 0.005				10, 12*	10, 12*	10	10		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS	0.004	0.001					24	12	12				
	1/25/1991	7.60	0.004	0.001	< 0.005	< 0.005			24	22	22	22	22		
	Jan. 1991		0.004	0.001	< 0.005	< 0.005				23	23	23	23		
	3/7/1991	NS	0.005	0.002					24	12	12				
	3/8/1991	7.00	0.005	0.002	< 0.005				10	22	22	22			
	3/9/1991	NS			< 0.005				24			24			
	3/10/1991	NS		0.002		< 0.005			24		24		24		
	March 1991	7.00	0.01	0.00	< 0.005	< 0.005			23	23	23	23	23		
	6/29/1991	7.70	0.001	0.001					24		24				
	6/30/1991		0.001	0.001	< 0.005	< 0.005				22	22	22	24		
	8/23/1991	NS	0.005	0.001					24	12	12				
	8/25/1991		0.005	0.001	< 0.005	< 0.005				22	22	22	24		
	11/10/1991	7.20	0.017	< 0.002	< 0.005	< 0.005			24	12, 22	12, 22	22	24		
	2/22/1992		0.047	0.002						12	12				
	2/23/1992	7.20			< 0.005	< 0.005			24	İ		24	24		
	4/11/1992		< 0.002	< 0.002						12	12				
	4/12/1992	7.20			< 0.005				24	İ		24			
	6/12/1992		0.002	< 0.002						12	12				
	6/14/1992	7.20			< 0.005				24	İ		24			
	8/8/1992		< 0.002						-	12					
	8/9/1992	7.00			< 0.005				24			24			
	10/9/1992		< 0.002							12					
	10/11/1992	7.00			< 0.005				24			24			
	2/21/1993	7.30	0.003	0.004					24	11	11				
	4/25/1993	7.40	0.002	0.002					24	11	11				
	6/6/1993	6.60	0.005	0.003					24	11	11				
	8/8/1993	7.00	0.008	< 0.002					24	11	11				
	10/8/1993	7.20	0.006	< 0.002					24	11	11				
	12/12/1993	7.50	0.013	0.01					24	11	11	1			1

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				Sample Data	1							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	2/13/1994	7.90	0.008	0.002					24	24	24				
	4/17/1994	8.80	0.006	0.002					24	24	24				
	6/12/1994	7.10	0.021	0.004					24	24	24				
	8/28/1994	7.00	0.01	< 0.002					24	24	24				
	10/30/1994	7.10	0.007	< 0.002					24	24	24				
	1/29/1995	7.30	0.010	< 0.002					24	15	15				
	3/31/1995		0.005	< 0.003	-					15	15				
	5/21/1995	6.90	0.004	0.003					24	15	15				
	7/30/1995		0.015	0.004						15	15				
	9/24/1995	6.10	< 0.002	< 0.002					24	15	15				
	11/19/1995	7.20	0.002	< 0.002					24	15	15				
	1/27/1996	6.90	< 0.002	0.005					24	14	14				
	3/31/1996	7.60	0.003	0.004					24	14	14				
	5/19/1996	7.10	0.002	0.003					24	14	14				
	7/21/1996	6.60	0.003	< 0.002					24	14	14				
	9/8/1996	6.90	< 0.002	< 0.002					24	14	14				
	11/10/1996	7.50	0.002	0.004					24	14	14				
	1/25/1997	7.40	0.003	< 0.002					24	13	13				
	1/27/1997		0.003	< 0.002						24	24				
	3/15/1997	6.90							24						
	3/16/1997		< 0.002	0.002						13	13				
	5/18/1997	6.90	< 0.002	< 0.002					24	13	13				
	8/3/1997	6.98	0.002	0.002					24	13	13				
	9/28/1997	6.94	< 0.002	< 0.002					24	13	13				
	11/9/1997	6.99	0.012	0.005					24	13	13				
	3/29/1998	6.87	0.003	< 0.002					17	17	17				
	5/17/1998	6.87	< 0.003	< 0.002					17	17	17				
	7/26/1998	6.91	< 0.002	< 0.002					17	17	17				
	9/27/1998	7.09	0.0019	< 0.002					17	17	17				
	11/22/1998	6.76	< 0.0019	< 0.001					17	17	17				
	5/24/1999	6.36	< 0.005	< 0.005					17	16, 18	16, 18				<u> </u>
	7/29/1999	6.10	< 0.003	< 0.005					18	16, 18	,				<u> </u>
	10/3/1999	5.90	< 0.019	< 0.003						16, 18	16, 18				<u> </u>
									18	,	16, 18				<u> </u>
	11/14/1999	6.15	< 0.010	< 0.010					18	16, 18	16, 18				┝───
	1/16/2000	6.24	< 0.010	< 0.010					19	19	19				<u> </u>
	4/9/2000	6.86	< 0.010	< 0.010					24	24	24				───
	7/30/2000	6.94	< 0.010	< 0.010					24	24	24				┣────
	3/23/2001	NS	< 0.010	< 0.010					20	20	20				┣────
	7/1/2001								20	20	20				┣────
	8/12/2001	6.29	< 0.010	< 0.010					20	20	20				<u> </u>
	11/4/2001	6.60	< 0.010	< 0.010					20	20	20	L			┝───
	3/8/2002	6.29	< 0.010	< 0.010					21	21	21		ļ		───
	6/30/2002	6.12							21	21	21		ļ		───
	8/18/2002	6.74	< 0.010	< 0.010					24	24	24				───
	11/17/2002	NS	NS	NS					24		24				

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				Sample Data	1							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/27/2003	6.87	0.009	0.009					24	24	24				
	6/26/2003	6.95	< 0.006	< 0.006					24	24	24				
	7/18/2003	7.02	< 0.006	< 0.006					24	24	24				
	12/22/2003	6.96	< 0.006	< 0.006					24	24	24				
	3/31/2004	6.96	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.62	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.79	< 0.006	< 0.006					24	24	24				
LMW-5	5/20/1983		NS		NS					24		24			
	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS			l	24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	NS	NS	NS				24	24	24	24			
	7/18/1990	NS				NS			24				24		
	9/27/1990		NS	NS	NS	NS				24	24	24	24		
	12/5/1990	NS							24						
-	12/6/1990	NS							24						
-	12/12/1990	NS							24						
-	12/13/1990	NS	NS			NS			24	24			24		
-	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	3/7/1991	NS							24						
	3/8/1991	NS	NS		NS				24	24		24			
	3/9/1991	NS							24						
	3/10/1991	NS		NS		NS			24		24		24		
	6/29/1991	NS	NS	NS					24	24	24				
	6/30/1991				NS	NS						24	24		
	8/23/1991	NS	NS	NS					24	24	24				
	8/25/1991				NS	NS						24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS						24	24				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS						24	24				
	4/12/1992	NS			NS				24			24			

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				Sample Data	1							Referer	ices		
			Total		Total				[Total			
	Sample	pН	Pb	Dissolved Pb		Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	6/12/1992		NS	NS					l	24	24				
	6/14/1992	NS			NS				24			24			
	8/8/1992		NS							24					
	8/9/1992	NS			NS				24			24			
	10/9/1992		NS							24					
	10/11/1992	NS			NS				24			24			
	2/21/1993	NS	NS	NS					24	24	24				
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				
	10/10/1993	NS	NS	NS					24	24	24				
	12/12/1993	NS	NS	NS					24	24	24				
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1995	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				
	7/30/1995		NS	NS						24	24				
	9/24/1995	NS	NS	NS					24	24	24				
	11/19/1995	NS	NS	NS					24	24	24				
	1/27/1996	NS	NS	NS					24	24	24				
	3/31/1996	NS	NS	NS					24	24	24				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	24	24				
	11/10/1996	NS	NS	NS					24	24	24				
	1/25/1997	7.90	0.005	< 0.002					24	13	13				
	1/27/1997		0.005	< 0.002						24	24				
	3/15/1997	NS		< 0.002					24	24	24				
	3/16/1997		NS	NS					24	13	13				
	5/18/1997	7.10	0.002	< 0.002					24	13	13				
	8/3/1997	7.10	< 0.002	0.002					24	13	13				
	9/28/1997	7.14	0.002	< 0.002					24	13	13				
	11/9/1997	7.14	0.003	0.002					24 24	13	13				
	3/29/1998	7.03	0.004	< 0.004					17	13	13		-		
	5/17/1998			< 0.002					17	17	17				
		7.03	0.006												
	7/26/1998	7.03	0.018	< 0.002					17	17	17				
	9/27/1998	7.04	0.031	< 0.001					17	17	17 17				
	11/22/1998	6.95	0.0086	<0.005					17	17					
	5/24/1999	6.60	0.0062	0.0052					18	16, 18	16, 18				
	7/29/1999	6.60	< 0.005	< 0.005					18	16, 18	16, 18				
	10/3/1999 11/14/1999	6.30 6.39	< 0.010						18 18	16, 18 16, 18	16, 18 16, 18	ļ			

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb		Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	1/16/2000	6.75	< 0.010	< 0.010				(8 ,)	19	19	19	(8,)	(8//	(8/)	(8,)
	4/9/2000	7.01	0.038	< 0.010					24	24	24				
	7/30/2000	7.06	< 0.010	< 0.010					24	24	24				
	3/23/2001	6.49							20	20	20				
	7/1/2001	6.05	< 0.010	< 0.010					20	20	20				
	8/12/2001	6.62	< 0.010	< 0.010					20	20	20				
	11/4/2001	6.60	0.013	< 0.010					20	20	20				
	3/8/2002								21	21	21				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	6.84	< 0.010	< 0.010					24	24	24				
	11/17/2002	6.37	< 0.010	< 0.010					24	24	24				
	3/27/2003	7.10	0.007	0.008					24	24	24				
	6/26/2003	7.18	< 0.007	< 0.006					24	24	24				<u> </u>
	7/18/2003	7.20	< 0.000	< 0.006					24	24	24				
	12/22/2003	NS	< 0.000 NS	NS					24	24	24				
	3/31/2004	7.17	< 0.006	< 0.006					24	24	24				+
	3/20/2005	6.75	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.80	0.006	< 0.006					24	24	24				
LMW-17	5/20/1983		0.000 NS	< 0.000	NS				24	24	24	24			
L1v1 vv -17	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985	NS	NS		NS		NS		24	24		24		24	24
								NS				24		24	24
	4/24/1986		NS							24		24			
	1/26/1987		NS		NS					24	24	24	24		
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24	24	24			
	7/8/1988		NS	NS	NS					24	24	24	24		
	12/19/1988		NS			NS				24			24		<u> </u>
	1/31/1989		NS	NS	NS	NS			ļ	24	24	24	24		───
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		───
	2/8/1990		NS	NS	NS	NS				24	24	24	24		───
	7/17/1990	NS	NS	NS	NS				24	24	24	24			L
	7/18/1990	NS				NS			24	ļ			24		L
	9/27/1990		NS	NS	NS	NS			ļ	24	24	24	24		<u> </u>
	12/5/1990	NS							24						<u> </u>
	12/6/1990	NS							24						<u> </u>
	12/12/1990	NS							24						<u> </u>
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	3/7/1991	NS							24						
	3/8/1991	NS	NS						24	24					

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				Sample Data	ı							Referen	ices		
			Total	•	Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/9/1991	NS			NS				24			24			
	3/10/1991	NS		NS		NS			24		24				
	6/29/1991	NS	NS	NS					24	24	24		24		
	6/30/1991				NS	NS						24	24		
	8/23/1991	NS	NS	NS					24	24	24				
	8/25/1991				NS	NS						24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS						24	24				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS					1	24	24				
	4/12/1992	NS			NS				24			24			
	6/12/1992		NS	NS						24	24				
	6/14/1992	NS			NS				24			24			1
	8/8/1992		NS							24					
	8/9/1992	NS			NS				24			24			
	10/9/1992		NS							24					
	10/11/1992	NS			NS				24			24			
	2/21/1993	NS	NS	NS					24	24	24				
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				
	10/10/1993	NS	NS	NS					24	24	24				
	12/12/1993	NS	NS	NS					24	24	24				
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				-
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1995	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				-
	7/30/1995		NS	NS						24	24				-
	9/24/1995	NS	NS	NS					24	24	24				
	11/19/1995	NS	NS	NS					24	24	24				-
	1/27/1996	NS	NS	NS					24	24	24				
	3/31/1996	NS	NS	NS					24	24	24				1
	5/19/1996	NS	NS	NS					24	24	24				1
	7/21/1996	NS	NS	NS					24	24	24				1
	9/8/1996	NS	NS	NS					24	24	24		1		1
	11/10/1996	NS	NS	NS					24	24	24				1
	1/25/1997	7.40	< 0.002	< 0.002					24	13	13				1
	1/27/1997		< 0.002	< 0.002						24	24		1 1		1
	3/15/1997	NS							24						1
	3/16/1997		NS	NS						13	13				1
	5/18/1997	7.00	< 0.002	0.003					24	13	13		1		1
	8/3/1997	7.11	< 0.002	< 0.002					24	13	13	-			+

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	9/28/1997	7.19	< 0.002	< 0.002					24	13	13				
	11/9/1997	7.08	0.006	0.006					24	13	13				
	3/29/1998	6.87	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.87	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.97	< 0.002	< 0.002					17	17	17				
	9/27/1998	7.07	0.0019	< 0.001					17	17	17				
	11/22/1998	6.83	< 0.005	< 0.005					17	17	17				
	5/24/1999	7.02	0.0075	< 0.005					18	16, 18	16, 18				
	7/29/1999	6.80	0.012	0.0058					18	16, 18	16, 18				
	10/3/1999	6.60	< 0.010						18	16, 18	16, 18				
	11/14/1999	8.82	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.89	< 0.010						19	19	19				
	4/9/2000	6.88	< 0.010						24	24	24				
	7/30/2000	6.92	< 0.010						24	24	24				
	3/23/2001	7.06							20	20	20				
	7/1/2001	NS	NS	NS					20	20	20				
	8/12/2001	6.86	< 0.010						20	20	20				
	11/4/2001	6.90	< 0.010						20	20	20				
	3/8/2002	6.79							20	20	20				
	6/30/2002	NS	NS	NS					21	21	21				
	8/18/2002	6.70	0.01	< 0.010					24	24	24				
	11/17/2002	6.88	< 0.010						24	24	24				
	3/27/2003	6.99	0.006	0.006					24	24	24				
	6/26/2003	7.06	< 0.006	< 0.000					24	24	24				
	7/18/2003	7.03	< 0.006	< 0.006					24	24	24				
	12/22/2003	NS	NS	NS					24	24	24				
	3/31/2004	7.03	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.64	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.58	< 0.006	< 0.006					24	24	24				
LMW-19	5/20/1983		< 0.000 NS	< 0.000	NS				24	24	24	24			
LIVI VV-17	9/16/1983		NS		NS					24		24			
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS	24	24		24		24	24
	4/24/1985		NS							24		24		24	24
	1/26/1980		NS		NS					24		24			
	8/17/1987		NS	NS	NS					24	24	24	24		
			NS	NS 		NS				24	24	24	∠4		
	12/16/1987				NS						24				
	7/8/1988 12/19/1988		NS NS	NS	NS	 NS			I	24 24	24	24	24		
										24	24	24	24 24		
	1/31/1989		NS	NS	NS	NS					24	24			
	2/1/1989		NS	NS	NS	NS			i	24	24	24	24		ł
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	NS	NS	NS				24	24	24	24			

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				Sample Data	ı			1				Referen	ices		
			Total		Total							Total			
	Sample	pH	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	рН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	7/18/1990	NS				NS			24				24		
	9/27/1990		NS	NS	NS	NS				24	24	24	24		
	12/5/1990	NS							24						
	12/6/1990	NS							24						
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24		24	24		
	3/7/1991	NS							24						
	3/8/1991	NS	NS						24	24					
	3/9/1991	NS			NS				24			24			1
	3/10/1991	NS		NS		NS			24		24		24		1
	6/29/1991	NS	NS	NS					24	24	24				
	6/30/1991				NS	NS						24	24		
	8/23/1991	NS	NS	NS					24	24	24				
	8/25/1991				NS	NS						24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS						24	24				
	2/23/1992	NS			NS	NS			24			24	24		
	4/11/1992		NS	NS						24	24				
	4/12/1992	NS			NS				24			24			
	6/12/1992		NS	NS						24	24	2.			
	6/14/1992	NS			NS				24	2.	2.	24			
	8/8/1992		NS							24		2.			
	8/9/1992	NS			NS				24	2.		24			
	10/9/1992		NS							24		2.			
	10/11/1992	NS			NS				24	21		24			
	2/21/1993	NS	NS	NS					24	24	24	21			
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				
	10/10/1993	NS	NS	NS					24	24	24				
	12/12/1993	NS	NS	NS					24	24	24				
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1994	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				
	7/30/1995		NS	NS					24	24	24				<u> </u>
	9/24/1995	NS	NS	NS					24	24	24				ł
	9/24/1995	NS	NS	NS					24 24	24	24				<u> </u>
	1/27/1995	NS NS	NS	NS					24 24	24 24	24				

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				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	3/31/1996	NS	NS	NS					24	24	24				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	24	24				
	11/10/1996	NS	NS	NS					24	24	24				
	1/25/1997	NS	NS	NS					24	13	13				
	1/27/1997		NS	NS						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						13	13				
	5/18/1997	6.60	< 0.002	0.003					24	13	13				
	8/3/1997	6.59	< 0.002	0.002					24	13	13				
	9/28/1997	6.65	< 0.002	< 0.002					24	13	13				
	11/9/1997	6.67	< 0.002	< 0.002					24	13	13				
	3/29/1998	6.62	< 0.002	< 0.002					17	17	17				
	5/17/1998	6.62	< 0.002	< 0.002					17	17	17				
	7/26/1998	6.48	0.002	< 0.002					17	17	17				
	9/27/1998	6.58	0.0038	0.0025					17	17	17				
	11/22/1998	6.22	< 0.005	< 0.005					17	17	17				
	5/24/1999	7.10	0.017	0.014					18	16, 18	16, 18				
	7/29/1999	7.00	0.014	0.014					18	16, 18	16, 18				
	10/3/1999	6.70	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	6.93	< 0.010	< 0.010					18	16, 18	16, 18				
	1/16/2000	6.90	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.52	< 0.010	< 0.010					24	24	24				
	7/30/2000	6.51	< 0.010	< 0.010					24	24	24				
	3/23/2001	NS	< 0.010	< 0.010					20	20	20				
	7/1/2001	7.00	< 0.010	< 0.010					20	20	20				
	8/12/2001	7.03	< 0.010	< 0.010					20	20	20				
	11/4/2001	7.10	< 0.010	< 0.010					20	20	20				
	3/8/2002		0.024	0.013					20	20	20				
	6/30/2002	7.01							21	21	21				
	8/18/2002	6.37	0.018	0.015					24	24	24				
	11/17/2002	6.74	< 0.010	< 0.010					24	24	24				
	3/27/2003	6.68	0.01	0.009					24	24	24				<u> </u>
	6/26/2003	6.67	0.007	< 0.009					24	24	24				<u> </u>
	7/18/2003	6.64	0.007	< 0.006					24 24	24	24				<u> </u>
	12/22/2003	7.00	< 0.006	< 0.006					24	24	24				├───
	3/31/2004	6.68	< 0.006	< 0.006					24	24	24				┝───
	3/31/2004	6.31	< 0.006	< 0.006					24 24	24	24				├───
	3/20/2005	6.31	< 0.006	< 0.006					24 24	24	24				┝───
LMW-20			< 0.006 NS		NS				24	24	24	24			┝───
LIVI W-20	5/20/1983 9/16/1983		NS							24		24			┝───
					NS			 NIC	24					24	24
	5/22/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	12/20/1984	NS	NS		NS		NS	NS	24	24		24		24	24
	7/23/1985		NS		NS		NS	NS		24		24		24	24

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				Sample Data	ı							Referer	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	4/24/1986		NS							24					
	1/26/1987		NS		NS					24		24			
	8/17/1987		NS	NS	NS	NS				24	24	24	24		
	12/16/1987		NS		NS					24		24			
	7/8/1988		NS	NS	NS					24	24	24			
	12/19/1988		NS			NS				24			24		
	1/31/1989		NS	NS	NS	NS				24	24	24	24		
	2/1/1989		NS	NS	NS	NS				24	24	24	24		
	7/18/1989		NS	NS	NS	NS				24	24	24	24		
	2/8/1990		NS	NS	NS	NS				24	24	24	24		
	7/17/1990	NS	NS	NS	NS				24	24	24	24			
	7/18/1990	NS				NS			24				24		
	9/27/1990		NS	NS	NS	NS				24	24	24	24		1
	12/5/1990	NS							24						1
	12/6/1990	NS							24	t		1			1
	12/12/1990	NS							24						
	12/13/1990	NS	NS			NS			24	24			24		
	12/20/1990	NS		NS	NS	NS			24		24	24	24		
	1/24/1991	NS		NS					24		24				
	1/25/1991	NS	NS		NS	NS			24	24	2.	24	24		
	3/7/1991	NS							24	2.		2.	2.		
	3/8/1991	NS	NS						24	24					
	3/9/1991	NS			NS				24	2.		24			
	3/10/1991	NS		NS		NS			24		24	2.	24		
	6/29/1991	NS	NS	NS					24	24	24		2.		
	6/30/1991				NS	NS				21	21	24	24		
	8/23/1991	NS	NS	NS					24	24	24	21	21		
	8/25/1991				NS	NS			21	21	21	24	24		
	11/10/1991	NS	NS	NS	NS	NS			24	24	24	24	24		
	2/22/1992		NS	NS					24	24	24	24	24		
	2/23/1992	NS			NS	NS			24	24	24	24	24		
	4/11/1992		NS	NS					27	24	24	27	27		
	4/11/1992	NS			NS				24	24	24	24			
	6/12/1992		NS	NS					24	24	24	24			
	6/12/1992	NS			NS				24	24	24	24			
	8/8/1992	NS	NS		NS				24	24		24	╂────┤		
	8/8/1992	NS			NS				24	24		24			<u> </u>
	8/9/1992	NS	NS		NS 				24	24		24	├		
	10/9/1992		1						24	24		24			
		NS	 NIC	 NIC	NS				24	24	24	24			──
	2/21/1993	NS	NS	NS					24	24			├		
	4/25/1993	NS	NS	NS					24	24	24				
	6/6/1993	NS	NS	NS					24	24	24				
	8/8/1993	NS	NS	NS					24	24	24				───
	10/10/1993	NS	NS	NS					24	24	24				───
	12/12/1993	NS	NS	NS					24	24	24				

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				Sample Data	1							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	2/13/1994	NS	NS	NS					24	24	24				
	4/17/1994	NS	NS	NS					24	24	24				
	6/12/1994	NS	NS	NS					24	24	24				
	8/28/1994	NS	NS	NS					24	24	24				
	10/30/1994	NS	NS	NS					24	24	24				
	1/29/1995	NS	NS	NS					24	24	24				
	5/21/1995	NS	NS	NS					24	24	24				
	7/30/1995		NS	NS						24	24				
	9/24/1995	NS	NS	NS					24	24	24				
	11/19/1995	NS	NS	NS					24	24	24				
	1/27/1996	NS	NS	NS					24	24	24				
	3/31/1996	NS	NS	NS					24	24	24				
	5/19/1996	NS	NS	NS					24	24	24				
	7/21/1996	NS	NS	NS					24	24	24				
	9/8/1996	NS	NS	NS					24	24	24				
	11/10/1996	NS	NS	NS					24	24	24				
	1/25/1997	NS	NS	NS					24	13	13				
	1/27/1997		NS	NS						24	24				
	3/15/1997	NS							24						
	3/16/1997		NS	NS						13	13				
	5/18/1997	7.00	0.003	0.003					24	13	13				
	8/3/1997	7.11	< 0.002	< 0.002					24	13	13				
	9/28/1997	7.12	0.002	< 0.002					24	13	13				
	11/9/1997	7.09	0.003	< 0.002					24	13	13				
	3/29/1998	7.04	0.002	< 0.002					17	17	17				
	5/17/1998	7.04	< 0.002	< 0.002					17	17	17				
	7/26/1998	7.00	< 0.002	< 0.002					17	17	17				
	9/27/1998	NS	NS	NS					17	17	17				
	11/22/1998	6.86	< 0.005	< 0.005					17	17	17				
	5/24/1999	7.02	0.0083	< 0.005					18	16, 18	16, 18				
	7/29/1999	6.90	0.011	< 0.005					18	16, 18	16, 18				
	10/3/1999	6.60	< 0.010	< 0.010					18	16, 18	16, 18				
	11/14/1999	6.86							18	18	18				
	1/16/2000	6.85	< 0.010	< 0.010					19	19	19				
	4/9/2000	6.88	< 0.010	< 0.010					24	24	24				
	7/30/2000	7.04	< 0.010	< 0.010					24	24	24				İ
	3/23/2001	NS	< 0.010	< 0.010					20	20	20				İ
	7/1/2001	NS	NS	NS					20	20	20				İ
	8/12/2001	6.84	< 0.010	< 0.010					20	20	20				İ
	11/4/2001	6.90	< 0.010	< 0.010					20	20	20				İ
	3/8/2002		< 0.010	< 0.010					21	21	21				1
	6/30/2002	6.86							21	21	21				1
	8/18/2002	6.88	< 0.010	< 0.010					24	24	24	1			1
	11/17/2002	6.84	< 0.010	< 0.010					24	24	24				1
	3/27/2003	7.09	0.008	0.008					24	24	24				

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Table A17-2 Historical Data - Groundwater Samples Data Tables and Reference Guide

				Sample Data	ı							Referen	ices		
			Total		Total							Total			
	Sample	pН	Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate	pН	Total Pb	Dissolved Pb	Cd	Dissolved Cd	Arsenic	Sulfate
Well ID	Date	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	6/26/2003	7.00	< 0.006	< 0.006					24	24	24				
	7/18/2003	7.19	< 0.006	< 0.006					24	24	24				
	12/22/2003	6.60	< 0.006	< 0.006					24	24	24				
	3/31/2004	7.09	< 0.006	< 0.006					24	24	24				
	3/20/2005	6.81	< 0.006	< 0.006					24	24	24				
	11/22/2005	6.81	< 0.006	< 0.006					24	24	24				

Reference Guide

Reference	Reference
Number	Document
1	Dames and Moore, 1983. Report - Groundwater Investigation, Frisco, Texas Plant. Prepared for GNB Batteries, Inc. Metals Division. August 29.
2	Southwestern Laboratories (SWL), 1983. Letter to GNB RE: Monitor Well Water Sampling and Analyses. October 4.
3	Lake Engineering, Inc. (Lake), 1989. RCRA Facility Workplan for GNB Incorporated, Frisco, Texas. September 8.
4	Southwest Laboratories (SWL), 1987. Letter to GNB RE: Three Monitor Wells. September 10.
5	Southwestern Laboratories (SWL), 1984. Letter to Seyfarth, Shaw, Fairweather & Geraldson RE: Monitor Well Samples; Earth Samples. June 21.
6	Southwestern Laboratories (SWL), 1985. Letter to Seyfarth, Shaw, Fairweather & Geraldson RE: Monitor Well Samples; Earth Samples. January 7.
7	Lake Engineering, Inc. (Lake), 1991. RCRA Facility Investigation for GNB Incorporated, Frisco, Texas. May 8.
8	NDRC Laboratories, Inc. (NDRC), 1989. Analytical Report. February 1. Obtained from TCEQ records search.
9	Southwestern Laboratories (SWL), 1989. Letter to GNB RE: Monitor Well Sampling. March 8.
10	Resource Consultants (RCI), 1990-1991. Analytical Reports and Summary Tables, September 1990, December 1990, January 1991 and March 1991. groundwater sampling.
11	GNB Incorporated (GNB), 1994. Annual Activity Report for 1993. January 25.
12	GNB Incorporated (GNB), 1993. Annual Activity Report for 1992. May 26.
13	GNB Incorporated (GNB), 1998. Annual Activity Report for 1997. January 25.
14	GNB Incorporated (GNB), 1997. Annual Activity Report for 1996. January 25.
15	GNB Incorporated (GNB), 1996. Annual Activity Report for 1995. January 25.
16	GNB Incorporated (GNB), 2000. Annual Activity Report for 1999. March 20.
17	1998 GW sampling data provided by Exide
18	1999 GW sampling data provided by Exide
19	2000 GW sampling data provided by Exide
20	2001 GW sampling data provided by Exide
21	2002 GW sampling data provided by Exide
22	Monitoring Well Sample Results, December 1990, January 1991, March 1991, June 1991, August 1991, and November 1991; obtained from TCEQ records search
23	Lake Engineering, Inc. (Lake), 1991. RCRA Facility Investigation for GNB Incorporated, Frisco, Texas. May 8.
	Lake Engineering, Inc. (Lake), 1993. Addendum to the RCRA Facility Investigation for GNB Incorporated, Frisco, Texas. December 10.
24	Data provided by Conestoga-Rovers and Associates.
	1

Notes:

1. Sample locations shown as described in original referenced reports.

2. Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

2014 EXIDE APAR PAGE 2462 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location			Total	Metals	SPLP
Number	Location	Depth	Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
	Data Source: Southwestern Laboratories (SV	VL), 1986a. Water and Sed	iment Tests, GNB Lead Pla	nt. February 21.	
2S			110	2	
4S			2290 ppm	30	
5S			970	5	
6S			120	12	
	Data Source: Lake Engineering, Inc. (Lake), 1991	· · ·	· · · ·	- · · · · ·	
1-SS	Stewart Creek at NW property line	0 - 6"	1450	15.7	
2-SS	Stewart Creek 2400 ft downstream of 5th Street	0 - 6"	784	40.3	
3-SS	Stewart Creek 1750 ft downstream of 5th Street	0 - 6"	78100	5	
4-SS	Stewart Creek 1300 ft downstream of 5th Street	0 - 6"	6830	27	
5-SS	Stewart Creek 750 ft downstream of 5th Street	0 - 6"	34	3.5	
6-SS	Stewart Creek 450 ft downstream of 5th Street	0 - 6"	334	4.8	
7-SS	Stewart Creek at 5th Street east side of street	0 - 6"	39	3.4	
8-SS	North Tributary 1350 ft downstream of 5th Street	0 - 6"	423	4.2	
9-SS	North Tributary 950 ft downstream of 5th Street	0 - 6"	87	4.4	
10-SS	Stewart Creek 100 ft upstream of 5th Street	0 - 6"	47	4.5	
SS-1	Stewart Creek at NW property line	0 - 6"	2740	22.7	
SS-2	Stewart Creek 2400 ft downstream of 5th Street	0 - 6"	3520	29.7	
SS-3	Stewart Creek 1750 ft downstream of 5th Street	0 - 6"	1210	97.6	
SS-4	Stewart Creek 1300 ft downstream of 5th Street	0 - 6"	1740	10.2	
SS-6	Stewart Creek 450 ft downstream of 5th Street	0 - 6"	60	3.2	
SS-8	North Tributary 1350 ft downstream of 5th Street	0 - 6"	45	4.8	
Data S	ource: Background Sediment Data. Data source: GNB Incorp	orated (GNB), 1995. Letter	to TNRCC RE: Stewart Cro	eek Phase II Implementation	n. March 20.
BSED-1	220 ft upstream of 5th Street		59	0.15	
BSED-2	240 ft upstream of 5th Street		41	0.15	
BSED-3	390 ft upstream of 5th Street		45	0.15	
BSED-4	410 ft upstream of 5th Street		43	0.15	
BSED-5	560 ft upstream of 5th Street		41	0.15	
BSED-6	580 ft upstream of 5th Street		33	0.15	
BSED-7	600 ft upstream of 5th Street		25	0.15	
BSED-8	700 ft upstream of 5th Street		34	0.15	
BSED-9	Stewart Creek and Stonebrook		46	2.7	
BSED-10	Stewart Creek and Stonebrook		25	2.2	
BSED-11	Stewart Creek at Preston		23	2.1	
BSED-12	Stewart Creek at Preston		21	2	
BSED-13	North Stewart Creek at 5th Street		х	2.6	
BSED-14	North Stewart Creek at 5th Street		55	4	
BSED-15	North Stewart Creek at 5th Street		40	2.3	
BSED-16	North Stewart Creek at 5th Street		15	1.3	
BSED-17	North Stewart Creek at 5th Street		36	2.72	
BSED-18	North Stewart Creek at 5th Street		34	2.18	
BSED-19	Cottonwood Creek		25	1.9	
BSED-20	Cottonwood Creek		23	0.15	

2014 EXIDE APAR PAGE 2463 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location			Total	Metals	SPLP
Number	Location	Depth	Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
•	Data Source: GNB Incorporated (GNB), 1995.	Letter to TNRCC RE: Stewa	art Creek Phase II Impleme	ntation. March 20.	
41	Stewart Creek 100 ft downstream of 5th Street	0 - 6"	115	0.3	
41	Stewart Creek 100 ft downstream of 5th Street	6 - 12"	26	0.3	
39	Stewart Creek 300 ft downstream of 5th Street	0 - 6"	37	3.3	
37	Stewart Creek 500 ft downstream of 5th Street	0 - 6"	51	3.3	
33	Stewart Creek 900 ft downstream of 5th Street	0 - 6"	59	0.3	
32	Stewart Creek 1000 ft downstream of 5th Street	0 - 6"	43	0.3	
31	Stewart Creek 1100 ft downstream of 5th Street	0 - 6"	10600	33	
31	Stewart Creek 1100 ft downstream of 5th Street	6 - 12"	39	0.3	
30	Stewart Creek 1200 ft downstream of 5th Street	0 - 6"	31	0.3	
30	Stewart Creek 1200 ft downstream of 5th Street	6 - 12"	35	0.3	
28	Stewart Creek 1400 ft downstream of 5th Street	0 - 6"	102	7	
28	Stewart Creek 1400 ft downstream of 5th Street	6 - 12"	26	0.3	
28	Stewart Creek 1400 ft downstream of 5th Street	12 - 18"	30	0.3	
28	Stewart Creek 1400 ft downstream of 5th Street	18 - 24"	28	0.3	
27	Stewart Creek 1500 ft downstream of 5th Street	0 - 6"	104	0.3	
27	Stewart Creek 1500 ft downstream of 5th Street	6 - 12"	31	0.3	
26	Stewart Creek 1600 ft downstream of 5th Street	0 - 6"	6990	2.2	
25	Stewart Creek 1700 ft downstream of 5th Street	0 - 6"	276	4.7	
24	Stewart Creek 1800 ft downstream of 5th Street	0 - 6"	225	0.3	
24	Stewart Creek 1800 ft downstream of 5th Street	0 - 6"	66	0.3	
23	Stewart Creek 1900 ft downstream of 5th Street	0 - 6"	272	6.2	
22	Stewart Creek 2000 ft downstream of 5th Street	0 - 6"	357	5.2	
22	Stewart Creek 2000 ft downstream of 5th Street	0 - 6"	402	2.3	
21	Stewart Creek 2100 ft downstream of 5th Street	0 - 6"	313	7.7	
20	Stewart Creek 2200 ft downstream of 5th Street	0 - 6"	371	10.4	
19	Stewart Creek 2300 ft downstream of 5th Street	0 - 6"	96	0.3	
19	Stewart Creek 2300 ft downstream of 5th Street	6 - 12"	20	0.3	
19	Stewart Creek 2300 ft downstream of 5th Street	12 - 18"		0.3	
18	Stewart Creek 2400 ft downstream of 5th Street	0 - 6"	106	0.3	
18	Stewart Creek 2400 ft downstream of 5th Street	6 - 12"	30	0.3	
17	Stewart Creek 2500 ft downstream of 5th Street	0 - 6"	74	3.7	
17	Stewart Creek 2500 ft downstream of 5th Street	6 - 12"	63	0.3	
15	Stewart Creek 2600 ft downstream of 5th Street	0 - 6"	28	0.3	
15	Stewart Creek 2600 ft downstream of 5th Street	6 - 12"	47	0.3	
15RR	Stewart Creek 2700 ft downstream of 5th Street	0 - 6"	184	0.3	
15RR	Stewart Creek 2700 ft downstream of 5th Street	6 - 12"	6630	1	
15RR	Stewart Creek 2700 ft downstream of 5th Street	12 - 18"	232	0.3	
15RR	Stewart Creek 2700 ft downstream of 5th Street	18 - 24"	228	4.8	
14	Stewart Creek 2800 ft downstream of 5th Street	0 - 6"	59	2.9	
14	Stewart Creek 2800 ft downstream of 5th Street	6 - 12"	33	0.3	
14	Stewart Creek 2800 ft downstream of 5th Street	12 - 18"	28	0.3	

2014 EXIDE APAR PAGE 2464 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location Number	Location	Depth	Total Metals		SPLP
			Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
	Data Source: GNB Incorporated (GNB), 1995.	Letter to TNRCC RE: Stews	art Creek Phase II Impleme	ntation. March 20.	-
13	Stewart Creek 2900 ft downstream of 5th Street	0 - 6"	199	8.6	
12	Stewart Creek 3000 ft downstream of 5th Street	0 - 6"	125	0.3	
11	Stewart Creek 3100 ft downstream of 5th Street	0 - 6"	96	0.3	
10	Stewart Creek 3200 ft downstream of 5th Street	0 - 6"	150	2.1	
9	Stewart Creek 3300 ft downstream of 5th Street	0 - 6"	172	6.3	
8	Stewart Creek 3400 ft downstream of 5th Street	0 - 6"	115	2.2	
7	Stewart Creek 3500 ft downstream of 5th Street	0 - 6"	152	0.3	
6	Stewart Creek 3600 ft downstream of 5th Street	0 - 6"	106	5.6	
5	Stewart Creek 3700 ft downstream of 5th Street	0 - 6"	47	0.3	
5	Stewart Creek 3700 ft downstream of 5th Street	6 - 12"	5	0.3	
5	Stewart Creek 3700 ft downstream of 5th Street	12 - 18"	16	0.3	
4	Stewart Creek 3800 ft downstream of 5th Street	0 - 6"	63	1.6	
4	Stewart Creek 3800 ft downstream of 5th Street	6 - 12"	51	2.6	
3	Stewart Creek 3900 ft downstream of 5th Street	0 - 6"	154	1.4	
3	Stewart Creek 3900 ft downstream of 5th Street	6 - 12"	53	0.3	
2	Stewart Creek 4000 ft downstream of 5th Street	0 - 6"	196	1.4	
2	Stewart Creek 4000 ft downstream of 5th Street	6 - 12"	16	0.3	
2	Stewart Creek 4000 ft downstream of 5th Street	12 - 18"	80	3.7	
1	Stewart Creek 4100 ft downstream of 5th Street	0 - 6"	5	0.3	
1	Stewart Creek 4100 ft downstream of 5th Street	6 - 12"	28	0.3	
48	Stewart Creek 4200 ft downstream of 5th Street	0 - 6"	88	6.6	
47	Stewart Creek 4300 ft downstream of 5th Street	0 - 6"	104	3	
46	Stewart Creek 4400 ft downstream of 5th Street	0 - 6"	90	3.3	
46	Stewart Creek 4400 ft downstream of 5th Street	0 - 6"	74	3.5	
45	Stewart Creek 4500 ft downstream of 5th Street	0 - 6"	68	4.1	
44	Stewart Creek 4600 ft downstream of 5th Street	0 - 6"	47	5.2	
44	Stewart Creek 4600 ft downstream of 5th Street	6 - 12"	96	3.4	
43	Stewart Creek 4700 ft downstream of 5th Street	0 - 6"	76	4	
42	Stewart Creek 4800 ft downstream of 5th Street	0 - 6"	112	4.8	
42	Stewart Creek 4800 ft downstream of 5th Street	6 - 12"	92	7.5	
49	Stewart Creek 4900 ft downstream of 5th Street	0 - 6"	67	3.1	
50	Stewart Creek 5000 ft downstream of 5th Street	0 - 6"	96	4.3	
51	Stewart Creek 5100 ft downstream of 5th Street	0 - 6"	76	5.2	
51	Stewart Creek 5100 ft downstream of 5th Street	6 - 12"	55	5	
52	Stewart Creek 5200 ft downstream of 5th Street	0 - 6"	106	3.4	
53	Stewart Creek 5300 ft downstream of 5th Street	0 - 6"	68	3.3	
54	Stewart Creek 5400 ft downstream of 5th Street	0 - 6"	100	3.6	
55	Stewart Creek 5500 ft downstream of 5th Street	0 - 6"	65	3.8	
71	Stewart Creek 6200 ft downstream of 5th Street	0 - 6"	107	2.9	
70	Stewart Creek 6300 ft downstream of 5th Street	0 - 6"	93	3	
69	Stewart Creek 6400 ft downstream of 5th Street	0 - 6"	80	2.8	
68	Stewart Creek 6500 ft downstream of 5th Street	0 - 6"	303	7.1	

2014 EXIDE APAR PAGE 2465 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location			Total	Metals	SPLP
Number	Location	Depth	Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
	Data Source: GNB Incorporated (GNB), 1995.	Letter to TNRCC RE: Stew	art Creek Phase II Impleme	ntation. March 20.	
67	Stewart Creek 6600 ft downstream of 5th Street	0 - 6"	106	2.7	
66	Stewart Creek 6700 ft downstream of 5th Street	0 - 6"	158	8.8	
65	Stewart Creek 6800 ft downstream of 5th Street	0 - 6"	97	3.5	
64	Stewart Creek 6900 ft downstream of 5th Street	0 - 6"	60	5.7	
63	Stewart Creek 7000 ft downstream of 5th Street	0 - 6"	442	37	
62	Stewart Creek 7100 ft downstream of 5th Street	0 - 6"	69	7	
61	Stewart Creek 7200 ft downstream of 5th Street	0 - 6"	323	13	
60	Stewart Creek 7300 ft downstream of 5th Street	0 - 6"	80	6.9	
59	Stewart Creek 7400 ft downstream of 5th Street	0 - 6"	142	10	
58	Stewart Creek 7500 ft downstream of 5th Street	0 - 6"	88	5.7	
57	Stewart Creek 7600 ft downstream of 5th Street	0 - 6"	155	18	
56	Stewart Creek 7700 ft downstream of 5th Street	0 - 6"	91	2.2	
	Data Source: Table A-5, Sedime	ent Sampling Results Lead a	nd Cadmium, RMT - 5/19/1	995	÷
SD-109	Stewart Cr. 1000 ft downstream of Bowan Rd. Bridge	0 - 6"	49	3.3	
SD-110B	Stewart Creek on west side of Bowan Road Bridge	0 - 6"	56	3.4	
SB-111	Stewart Cr. due north of Stewart Creek West WWTP	0 - 6"	63	3.7	
	Data Source: RMT/Jones & Neuse, Inc. (RMT/JN), 19	96. Stewart Creek Final Ph	ase II Report, GNB Technol	ogies, Frisco, Texas. May.	÷
SD-01-02			18	2.9	
SD-01-02			14	2.3	
SD-01-03			15	2.2	
SD-01-04			18	2.5	
SD-01-05			16	2.8	
SD-02-01			16	2.3	
SD-02-02			15	2.6	
SD-02-03			16	2.2	
SD-02-04			20	3.8	< 0.005
SD-02-05			23	3.2	
SD-DUP-1			19	2.5	
SD-03-01			15	1.9	
SD-03-02			14	2.2	
SD-03-03			21	3	
SD-04-01			12	1.1	< 0.005
SD-04-02			13	1.2	
SD-04-03			11	1	
SD-04-04			9	0.91	
SD-04-05			10	<0.70	
SD-05-01			13	1.2	
SD-05-02			13	2.7	
SD-05-02			11	1	
SD-05-05 SD-06-01			23	2.8	
SD-06-02			23	4.5	
SD-06-02 SD-06-03			23	6.9	<0.005
SD-DUP-2			25	4	

2014 EXIDE APAR PAGE 2466 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location			Tota	l Metals	SPLP
Number	Location	Depth	Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
Data Source: JD Consulting	g, L.P. (JDC), 2000. Stewart Creek Corrective Measure	s Implementation Report. Re	port prepared for GNB and	submitted to the TNRCC, J	uly 13.
Downstream 20	Station 1+00 North Side Wall		70	0.79	
Downstream 20	Station 1+00 Centerline		32	0.37	
Downstream 20	Station 1+00 South Side Wall		7.4	0.21	
Downstream 19	Station 2+00 North Side Wall		68	0.9	
Downstream 19	Station 2+00 Centerline		4.8	0.28	
Downstream 19	Station 2+00 South Side Wall		58	0.6	
Downstream 18	Station 3+00 North Side Wall		79	0.59	
Downstream 18	Station 3+00 Centerline		6.5	0.3	
Downstream 18	Station 3+00 South Side Wall		10	0.26	
Downstream 17	Station 4+00 North Side Wall		84	2.4	
Downstream 17	Station 4+00 Centerline		11	<0.2	
Downstream 17	Station 4+00 South Side Wall		8.9	0.4	
Downstream 16	Station 5+00 North Side Wall		44	2.1	
Downstream 16	Station 5+00 Centerline		12	BDL	
Downstream 16	Station 5+00 South Side Wall		12	BDL	
Downstream 15	Station 6+00 North Side Wall		6.9	0.2	
Downstream 15	Station 6+00 Centerline		5.9	0.4	
Downstream 15	Station 6+00 South Side Wall		10	BDL	
Downstream 14	Station 7+00 North Side Wall		6.9	0.3	
Downstream 14	Station 7+00 Centerline		6.8	0.3	
Downstream 14	Station 7+00 South Side Wall		8.1	0.3	
Downstream 13	Station 8+00 North Side Wall		6.8	0.4	
Downstream 13	Station 8+00 Centerline		16	0.3	
Downstream 13	Station 8+00 South Side Wall		6.9	0.3	
Downstream 12	Station 9+00 North Side Wall		0.3	10	
Downstream 12	Station 9+00 Centerline		0.8	9.4	
Downstream 12	Station 9+00 South Side Wall		8.7	0.41	
Downstream 11	Station 10+00 North Side Wall		8.2	1.3	
Downstream 11	Station 10+00 Centerline		6.2	0.5	
Downstream 11	Station 10+00 South Side Wall		6.4	0.6	
Downstream 10	Station 11+00 North Side Wall		6	0.3	
Downstream 10	Station 11+00 Centerline		6.3	0.3	
Downstream 10	Station 11+00 South Side Wall		8.8	0.3	
Downstream 9	Station 12+00 North Side Wall		54	0.5	
Downstream 9	Station 12+00 Centerline		6.3	0.3	
Downstream 9	Station 12+00 South Side Wall		6.1	0.3	
Downstream 8	Station 13+00 North Side Wall		6.8	0.4	
Downstream 8	Station 13+00 Centerline		16	0.3	
Downstream 8	Station 13+00 South Side Wall		6.9	0.3	
Downstream 7	Station 14+00 North Side Wall		6.9	0.3	
Downstream 7	Station 14+00 Centerline		6.8	0.3	
Downstream 7	Station 14+00 South Side Wall		8.1	0.3	

2014 EXIDE APAR PAGE 2467 OF 3112 Table A17-3A Historical Data - Sediment Samples Lead and Cadmium

Sample/Location			Tota	al Metals	SPLP
Number	Location	Depth	Lead (mg/kg)	Cadmium (mg/kg)	SPLP Cadmium (mg/kg)
	Consulting, L.P. (JDC), 2000. Stewart Creek Correct	ive Measures Implementation		or GNB and submitted to the	TNRCC, July 13.
Downstream 6	Station 15+00 North Side Wall		6.9	0.2	
Downstream 6	Station 15+00 Centerline		5.9	0.4	
Downstream 6	Station 15+00 South Side Wall		10	BDL	
Downstream 5	Station 16+00 North Side Wall		44	BDL	
Downstream 5	Station 16+00 Centerline		12	BDL	
Downstream 5	Station 16+00 South Side Wall		12	0.2	
Downstream 4	Station 17+00 North Side Wall		84	2.4	
Downstream 4	Station 17+00 Centerline		11	0.2	
Downstream 4	Station 17+00 South Side Wall		8.9	0.4	
Downstream 3	Station 18+00 North Side Wall		79	0.59	
Downstream 3	Station 18+00 Centerline		6.5	0.3	
Downstream 3	Station 18+00 South Side Wall		10	0.26	
Downstream 2	Station 19+00 North Side Wall		68	0.9	
Downstream 2	Station 19+00 Centerline		4.8	0.28	
Downstream 2	Station 19+00 South Side Wall		58	0.6	
Downstream 1	Station 20+00 North Side Wall		70	0.79	
Downstream 1	Station 20+00 Centerline		32	0.37	
Downstream 1	Station 20+00 South Side Wall		7.4	0.21	
Upstream 1	Station 21+00 North Side Wall		7.2	0.4	
Upstream 1	Station 21+00 Centerline		5.1	0.2	
Upstream 1	Station 21+00 South Side Wall		11	0.34	
Upstream 2	Station 22+00 North Side Wall		35	0.5	
Upstream 2	Station 22+00 Centerline		9	0.32	
Upstream 2	Station 22+00 South Side Wall		8.2	0.28	
Upstream 3	Station 23+00 North Side Wall		8	0.31	
Upstream 3	Station 23+00 Centerline		32	0.4	
Upstream 3	Station 23+00 South Side Wall		8.3	0.38	
Upstream 4	Station 24+00 North Side Wall		7.3	0.28	
Upstream 4	Station 24+00 Centerline		15	0.3	
Upstream 4	Station 24+00 South Side Wall		55	0.61	
Upstream 5	Station 25+00 North Side Wall		18	0.32	
Upstream 5	Station 25+00 Centerline		51	0.59	
Upstream 5	Station 25+00 South Side Wall		11	0.29	
Upstream 6	Station 26+00 North Side Wall		15	0.46	
Upstream 6	Station 26+00 Centerline		13	0.46	
Upstream 6	Station 26+00 South Side Wall		5.7	0.2	
Upstream 7	Station 27+00 North Side Wall		13	0.39	
Upstream 7	Station 27+00 Centerline		86	0.65	
Upstream 7	Station 27+00 South Side Wall		5.4	0.21	

Notes:

1. Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

2. Sample locations shown as described in original referenced reports.

3. Shaded cells indicate samples that were collected within areas that have been remediated since collection of the samples, either in 1986 (SWL, 1986b-1986d) or 2000 (JDC, 2000).

4. BDL = Below Detection Limit

Table A17-3BHistorical Data - Sediment SamplesLead, Cadmium, and Other Analytes

Analyte	Stewart Creek #1	Stewart Creek #2	Stewart Creek #3
Analyte	01/08/91	01/09/91	01/09/91
Data Source: Resource	Consultants, Inc. (RCI), 1	•	
	County, Texas. RCI Proj	ect No. 1-3340, February.	
Aluminum	1970	1640	1580
Antimony	<1	<1	<1
Arsenic	0.8	1.3	7.2
Barium	27	190	456
Cadmium	<0.3	22	13
Calcium	25300	144000	220000
Chromium	5	16	10
Copper	5	12	13
Lead	25	28	11
Magnesium	504	1070	1430
Mercury	<0.1	<0.1	<0.1
Selenium	<1	<1	<1
Silver	<0.5	<0.5	<0.5
Sodium	100	1340	709
Zinc	15	48	407
Ammonia	39	210	23.7
Chloride	<100	<100	<100
Sulfate	<500	600	600
Total Phosphorus	930	940	5940
% Total Solids	51.8	55.4	84.6

Notes:

1. Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

2. Sample locations shown as described in original referenced reports.

3. Results in mg/kg.

2014 EXIDE APAR PAGE 2469 OF 3112 Table A17-4A Historical Data - Surface Water Samples Lead and Cadmium

Sample/Location	Total 1	Metals	Dissolve	d Metals	
Number	Lead (mg/l)	Cadmium (mg/l)	Lead (mg/l)	Cadmium (mg/l)	pН
Data Source: Lake En	gineering, Inc. (Lake),	1991. RCRA Facility	Investigation for GNB	Incorporated, Frisco,	Texas. May 8.
1SW001	0.014	0.030	0.001	< 0.005	8.0
2SW001	0.015	< 0.005	0.001	< 0.005	7.8
3SW001	0.027	< 0.005	0.001	< 0.005	8.0
4SW001	0.012	< 0.005	0.001	< 0.005	7.9
5SW001	< 0.001	< 0.005	0.001	< 0.005	7.9
6SW001	0.002	< 0.005	0.001	< 0.005	8.1
7SW001	0.002	< 0.005	0.001	< 0.005	7.8
8SW001	0.004	< 0.005	0.001	< 0.005	7.7
9SW001	0.017	< 0.005	0.001	< 0.005	7.8
10SW001	0.001	< 0.005	0.001	< 0.005	8.0
11SW001	15.4	0.190	0.370	0.030	7.2
Data Source: Sou	thwestern Laboratorie	s (SWL), 1986a. Wate	er and Sediment Tests,	GNB Lead Plant. Feb	ruary 21.
1W	< 0.01	< 0.01			
3W	0.01	< 0.01			
6W	< 0.01	0.01			

Notes:

1. Sample locations shown as described in original referenced reports.

2. Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

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Table A17-4BHistorical Data - Surface Water SamplesLead, Cadmium, and Other Analytes

A nalvita	Stewart Creek #1	Stewart Creek #2	Stewart Creek #3
Analyte	01/08/91	01/09/91	01/09/91
Data Source: Resource Con	nsultants, Inc. (RCI), 1991	I. Stream Investigation, S	tewart Creek, Collin
Co	unty, Texas. RCI Project	No. 1-3340, February.	
Aluminum	< 0.01	0.5	0.5
Antimony	< 0.005	0.031	0.021
Arsenic	< 0.002	0.003	0.004
Barium	<0.1	<0.1	<0.1
Cadmium	< 0.005	< 0.005	< 0.005
Calcium	86.4	79.6	88.3
Chromium	< 0.02	< 0.02	< 0.02
Copper	< 0.01	< 0.01	< 0.01
Lead	0.005	0.019	0.016
Magnesium	2.09	3.81	3.11
Mercury	< 0.0002	< 0.0002	< 0.0002
Selenium	0.01	0.02	0.01
Silver	< 0.01	<0.01	< 0.01
Sodium	21	729	312
Zinc	0.02	0.04	0.03
Chloride	8	51	52
Ammonia	<0.1	0.98	1
Sulfate	64	1320	880
Total Dissolved Solids (TDS)	0.04	1.3	1.28
Total Phosphorus	320	2390	1890

Notes:

1. Sample locations shown as described in original referenced reports.

2. Data are from historical FRC documents. Not all data could be confirmed through comparison to original laboratory reports.

3. Results in mg/L.

APPENDIX 18 W&M SLAG AND BATTERY CASE CHIP SURVEY REPORTS



March 28, 2011

Mr. James Messer Exide Technologies 7471 South Fifth Street Frisco, Texas 75034

RE: Suspect Slag Sampling Report Stewart Creek – West Segment Exide Technologies Frisco, Texas W&M Project No. 112.041

Dear Mr. Messer:

W&M Environmental Group, Inc. (W&M) prepared this report to present the status and results of the assessment of suspect slag material located in and along the banks of the western reach of Stewart Creek at the Exide Technologies (Exide) facility located at 7471 South Fifth Street in Frisco, Texas (Site). The Site location is presented on **Figure 1**. The results of the preliminary visual assessment were presented in the November 2, 2009, Sampling Plan for material suspected of being slag.

BACKGROUND

Slag from on-Site operations was historically used to line segments of Stewart Creek to protect the bank from erosion. The slag was removed in the past, but some material was observed along the creek after being exposed by stream erosion. An assessment of the suspect slag visible in the stream bank and stream bed was completed by Mr. James Messer of Exide and Mr. Aaron Brewer of W&M on May 21, 2009. On June 5, 2009, Mr. Brewer and Mr. Steven Furlough, both of W&M, identified and mapped areas where suspect slag or rocks that looked similar to slag were observed in and adjacent to the creek. Based on the first two reconnaissance events, 12 areas with suspect slag were initially mapped with a global positioning system (GPS). The locations of GPS points that mark the approximate extents of "slag fields" are represented on **Figures 2, 3**, **and 4**. As a general impression from the first two reconnaissance events, the extent of suspect slag material appeared limited to 12 "slag fields" and the distinction between slag and other materials was in a few instances uncertain. Therefore, 12 samples were collected from representative materials suspected of constituting slag in several areas across the Site. The results of that sampling event are described below.

SAMPLING PROCEDURE

On November 11, 2009, representative samples of material suspected of constituting slag were collected from 12 specimens located within Stewart Creek and from the banks of the creek. Each sample was photographed and photographs are presented in **Attachment A**. The location coordinates of each sample was recorded with a GPS. Both the suspected slag sightings mapped

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Mr. James Messer March 28, 2011 Page 2

on June 5, 2009, and the sample locations from November 11, 2009, are represented on **Figures** 1, 2, and 3.

Material was removed from each sample by use of a stainless steel chisel and hammer. Samples were placed in 4-ounce glass jars and submitted to Oxidor Laboratories, LLC in Plano, Texas for analysis. The laboratory prepared each sample by pulverizing the rock fragments. Each sample was analyzed for calcium, iron, and lead by Environmental Protection Agency (EPA) Method 6020 to provide data for determining natural material from material suspected of being slag. The results were reported on a wet weight basis and are presented in **Attachment B**. The data are summarized in **Table 1**.

SAMPLE RESULTS

Based on the analytical results, six of the samples appear to have been from natural materials (limestone) that resemble slag and the other six are "probable slag." The natural materials each had 1/3 or more of their content by weight as calcium ranging from 339,000 milligrams per kilogram (mg/kg) to 401,000 mg/kg. The natural materials had corresponding iron contents ranging from 2,450 mg/kg to 10,600 mg/kg. The lead concentrations in the natural materials ranged from 1.21 mg/kg to 9.26 mg/kg, which is below the soil background concentration for Texas of 15 mg/kg.

The material identified as probable slag all had comparatively lower calcium concentrations ranging from 1,010 mg/kg to 62,800 mg/kg and much higher iron concentrations ranging from 102,000 mg/kg to 560,000 mg/kg. The lead concentrations in the probable slag were also much higher ranging from 11,500 mg/kg to 102,000 mg/kg.

The location of materials identified as probable slag based on laboratory results were mostly near the middle of the Site. The results of the laboratory samples along with the visual assessment indicate that the probable slag is concentrated on the eastern portion of the study Site, with fewer suspect materials observed to the west and no positive test results identifying suspect slag within 450 feet of the west boundary.

Due to an equipment malfunction, the resolution of the photographs in the log are not as clear as desired; however, the sampling team has gained experience identifying probable slag materials that can be compared to their sample results. The visual comparison between probable slag material and non-slag material reveals that probable slag material has a range of color, sizes, and shapes. Although not uniform, the probable slag material tended to have darker gray, bluish gray, and/or reddish colors compared to non-slag material that tended to be lighter colored (light gray and yellowish brown) and was more readily identifiable as limestone, based on the lighter colors. Most of the non-slag material that was suspected of being slag appeared to be imported material for use as rip-rap. Based on the differences in calcium content between probable slag and natural materials, a "fizz test" using an acid such as hydrogen chloride or vinegar could be used to compare the intensity of effervescence (bubbling) produced between the natural materials high in calcium carbonate and comparatively low calcium content of the probable slag.

CONCLUSIONS

Probable slag materials have been identified in the western reach of Steward Creek at the Site. The probable slag generally has darker colors along with reddish hues whereas the natural Mr. James Messer March 28, 2011 Page 3

materials suspected of being slag tended to be lighter colored and more readily identifiable as limestone rip-rap. The probable slag samples had much higher concentrations of lead and iron than the non-slag samples, which contained about 1/3 or more percentage calcium. The location of materials identified as probable slag based on laboratory samples suggests that slag materials are concentrated near the middle of the Site, but are also present to the eastern boundary of the study Site. When the analytical data are considered in combination with the distribution of probable slag, the slag may not extend to the western boundary of the Site.

GENERAL QUALIFICATIONS

This report was prepared for the sole use of Exide Technologies, Inc. and shall not be relied upon by any other party without the express prior written consent of Exide and W&M. This document was developed by employing generally accepted methods and customary practices of the environmental profession.

W&M appreciates the opportunity to be of service to you on this project. If you have any questions or need additional information, please contact Aaron Brewer or Michael Whitehead at 972-516-0300.

Very truly yours,

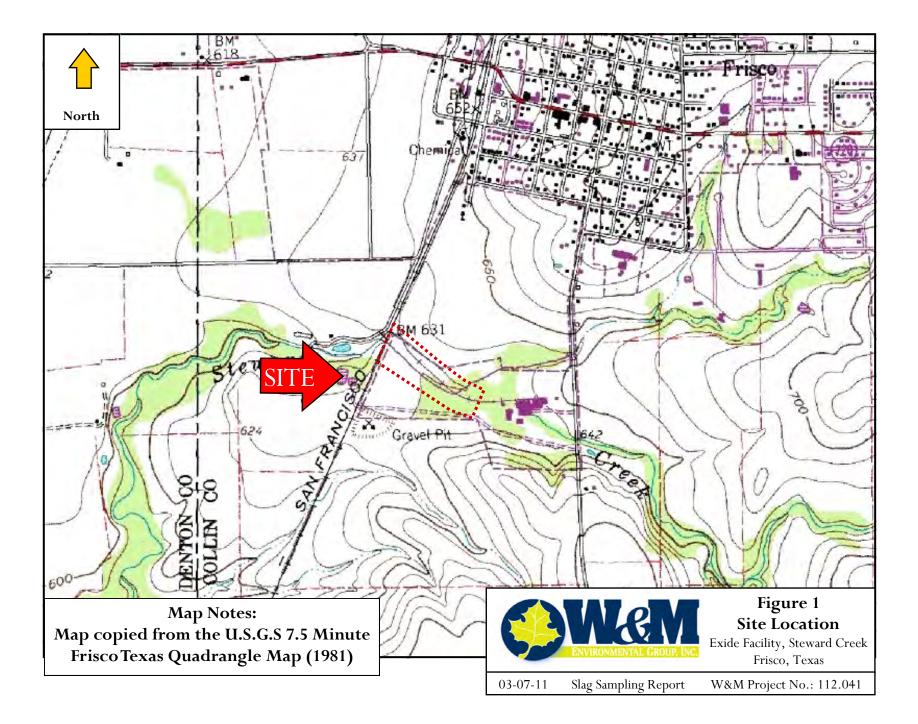
W&M ENVIRONMENTAL GROUP, INC.

Aaron Brewer, P.G. Project Manager

W&M ENVIRONMENTAL GROUP, INC.

Mulmel White ag

Michael Whitehead Senior Consultant







WP## = GPS Way Points at Locations Near Suspect SL-## = Approximate Location of Suspect Slag Topographic detail of project Site provided by Doug Connelly & Associates, Inc. Licensed Professional Surveyors, from GPS survey on the ground in June, 2009. 120



TABLE 1 SUMMARY OF SLAG AND ROCK ANALYTICAL DATA

Exide Facility, Stewart Creek Frisco, Texas

Sample ID ¹	SL-01	SL-02	SL-03	SL-04	SL-05	SL-06	SL-07	SL-08	SL-09	SL-10	SL-11	SL-12
Sample Date	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09	11/11/09
Calcium	21,800	401,000	352,000	392,000	1,640	62,800	1,010	58,100	6,060	361,000	339,000	395,000
Iron	240,000	2,580	4,200	2,450	467,000	102,000	560,000	236,000	341,000	10,600	4,840	3,420
Lead	28,700	5.46	8.92	1.48	13,900	102,000	36,000	32,900	11,500	5.69	9.26	1.21
Probable Slag	×				×	×	×	×	×			

Notes:

¹Samples collected by W&M and analyzed by Oxidor Laboratories, LLC by Environmental Protection Agency (EPA) Method 6020.

Sample results in milligrams per kilogram (mg/kg) and reported on a wet weight basis.

 \mathbf{X} = Identifies samples suspected of originating from slag.

PHOTOGRAPHIC LOG

ATTACHMENT A



Photo 1: Sample 112-041-SL-01. Identified as probable slag based on test results.



Photo 2: Sample 112-041-SL-02. Not identified as slag based on test results.





Photo 3: Sample 112-041-SL-03. Not identified as slag based on test results.



Photo 4: Sample 112-041-SL-04. Not identified as slag based on test results.





Photo 5: Sample 112-041-SL-05. Identified as slag based on test results.



Photo 6: Sample 112-041-SL-06. Identified as slag based on test results.





Photo 7: Sample 112-041-SL-07. Identified as slag based on test results.



Photo 8: Sample 112-041-SL-09. Identified as slag based on test results.





Photo 9: Sample 112-041-SL-10. Not identified as slag based on test results.



Photo 10: Sample 112-041-SL-11. Not identified as slag based on test results.





Photo 11: Sample 112-041-SL-12. Not identified as slag based on test results.



Attachment A

Photographic Log Exide Facility, Stewart Creek Frisco, Texas

11/26/2009

Slag Sampling

W&M Project No.: 112.041

LABORATORY ANALYTICAL DATA

ATTACHMENT B





Order ID: 0911235 Date: 11/21/2009 Page 1 of 20

Saturday, November 21, 2009

W&M Environmental Group, Inc. Aaron Brewer 906 E. 18th, Suite 100 Plano, TX 75074 Tel: (972) 516-0300 Fax: (972) 516-4145

Re: Project Name: Stewart Creek Project Number: 112.041.003 Project Location: 7471 5th, Frisco

Oxidor received 12 solid sample(s). The analysis performed were as follows:

<u>Sample</u>	Sample ID	Matrix	Collected	<u>Analysis</u>
0911235-001	112-041-01	Solid	11/11/2009 13:10	Calcium, Iron, Lead
0911235-002	112-041-02	Solid	11/11/2009 13:25	Calcium, Iron, Lead
0911235-003	112-041-03	Solid	11/11/2009 13:40	Calcium, Iron, Lead
0911235-004	112-041-04	Solid	11/11/2009 14:05	Calcium, Iron, Lead
0911235-005	112-041-05	Solid	11/11/2009 14:30	Calcium, Iron, Lead
0911235-006	112-041-06	Solid	11/11/2009 15:00	Calcium, Iron, Lead
0911235-007	112-041-07	Solid	11/11/2009 15:20	Calcium, Iron, Lead
0911235-008	112-041-08	Solid	11/11/2009 16:00	Calcium, Iron, Lead
0911235-009	112-041-09	Solid	11/11/2009 16:35	Calcium, Iron, Lead
0911235-010	112-041-10	Solid	11/11/2009 16:50	Calcium, Iron, Lead
0911235-011	112-041-11	Solid	11/11/2009 17:05	Calcium, Iron, Lead
0911235-012	112-041-12	Solid	11/11/2009 17:15	Calcium, Iron, Lead

Respectfully submitted,

Che By -

Charles Brungardt President





Order ID: 0911235 Date: 11/21/2009 Page 2 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample					Matrix: S	olid		
Sample Receiv	/ed: 11/12	2/2009		Sam	ple Collected: 1	1/11/2009 1	3:10	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/3	17/09 at 09:55							
Calcium	50	500	21800	mg/Kg	11/19/09 21:39	6020	K.O.	W-1,D-1
Iron	50	50000	240000	mg/Kg	11/18/09 17:47	6020	K.O.	W-1,D-1
Lead	0.5	500	28700	mg/Kg	11/18/09 17:47	6020	K.O.	W-1,D-1





Order ID: 0911235 Date: 11/21/2009 Page 3 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample	ID: 09112	235-002		0	Matrix: S			
Sample Receiv	ed: 11/12	2/2009		Sam	ple Collected: 1	1/11/2009 1	3:25	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	17/09 at 09:55							
Calcium	50	5000	401000	mg/Kg	11/19/09 21:56	6020	K.O.	W-1,D-1
Iron	50	50.0	2580	mg/Kg	11/18/09 14:45	6020	K.O.	W-1
Lead	0.5	0.500	5.46	mg/Kg	11/18/09 14:45	6020	K.O.	W-1





Order ID: 0911235 Date: 11/21/2009 Page 4 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receiv	ID: 0911	235-003		Sam	Matrix: S ple Collected: 1		3:40	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	7/09 at 09:55							
Calcium	50	5000	352000	mg/Kg	11/19/09 22:02	6020	K.O.	W-1,D-1
Iron	50	50.0	4200	mg/Kg	11/18/09 14:51	6020	K.O.	W-1
Lead	0.5	0.500	8.92	mg/Kg	11/18/09 14:51	6020	K.O.	W-1





Order ID: 0911235 Date: 11/21/2009 Page 5 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receive	ID: 0911	235-004		Sam	Matrix: S ple Collected: 1		4:05	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	7/09 at 09:55							
Calcium	50	5000	392000	mg/Kg	11/19/09 22:08	6020	K.O.	W-1,D-1
Iron	50	50.0	2450	mg/Kg	11/18/09 14:57	6020	K.O.	W-1
Lead	0.5	0.500	1.48	mg/Kg	11/18/09 14:57	6020	K.O.	W-1





Order ID: 0911235 Date: 11/21/2009 Page 6 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receive	ID: 0911	235-005		Sam	Matrix: S ple Collected: 1		4:30	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	7/09 at 09:55							
Calcium	50	1000	1640	mg/Kg	11/19/09 22:20	6020	K.O.	W-1,D-1
Iron	50	50000	467000	mg/Kg	11/18/09 17:53	6020	K.O.	W-1,D-1
Lead	0.5	500	13900	mg/Kg	11/18/09 17:53	6020	K.O.	W-1,D-1





Order ID: 0911235 Date: 11/21/2009 Page 7 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample II Oxidor Sample II Sample Receive	D: 0911	235-006		Sam	Matrix: S ple Collected: 1		5:00	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/17/0	09 at 09:55							
Calcium	50	5000	62800	mg/Kg	11/19/09 22:26	6020	K.O.	W-1,D-1
Iron	50	5000	102000	mg/Kg	11/18/09 17:41	6020	K.O.	W-1,D-1
Lead	0.5	5000	102000	mg/Kg	11/18/09 18:16	6020	K.O.	W-1,D-1





Order ID: 0911235 Date: 11/21/2009 Page 8 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample	ID: 0911	235-007			Matrix: S			
Sample Receiv	ed: 11/12	2/2009		Sam	ple Collected: 1	1/11/2009 1	5:20	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	7/09 at 09:55							
Calcium	50	500	1010	mg/Kg	11/19/09 22:32	6020	K.O.	W-1,D-1
Iron	50	50000	560000	mg/Kg	11/18/09 17:59	6020	K.O.	W-1,D-1
Lead	0.5	500	36000	mg/Kg	11/18/09 17:59	6020	K.O.	W-1,D-1





Order ID: 0911235 Date: 11/21/2009 Page 9 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample ID: 112-041-08 Oxidor Sample ID: 0911235-008 Sample Received: 11/12/2009 Sample Collected: 11/11/2009 16:00								
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/	17/09 at 09:55							
Calcium	50	500	58100	mg/Kg	11/19/09 22:38	6020	K.O.	W-1,D-1
Iron	50	50000	236000	mg/Kg	11/18/09 18:05	6020	K.O.	W-1,D-1
Lead	0.5	500	32900	mg/Kg	11/18/09 18:05	6020	K.O.	W-1,D-1





Order ID: 0911235 Date: 11/21/2009 Page 10 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample					Matrix: S	olid			
Sample Receiv	Sample Received: 11/12/2009			Sample Collected: 11/11/2009 16:35					
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags	
Metals									
Digested by method 3050B on 11/1	17/09 at 09:55								
Calcium	50	500	6060	mg/Kg	11/19/09 22:43	6020	K.O.	W-1,D-1	
Iron	50	50000	341000	mg/Kg	11/18/09 18:11	6020	K.O.	W-1,D-1	
Lead	0.5	500	11500	mg/Kg	11/18/09 18:11	6020	K.O.	W-1,D-1	





Order ID: 0911235 Date: 11/21/2009 Page 11 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receiv	e ID: 09112	235-010		Sam	Matrix: S ple Collected: 1		6:50	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11,	/17/09 at 09:55							
Calcium	50	5000	361000	mg/Kg	11/19/09 21:33	6020	K.O.	W-1,D-1
Iron	50	5000	10600	mg/Kg	11/18/09 16:53	6020	K.O.	W-1,D-1
Lead	0.5	0.500	5.69	mg/Kg	11/18/09 14:40	6020	K.O.	W-1





Order ID: 0911235 Date: 11/21/2009 Page 12 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receiv	ID: 0911	235-011		Sam	Matrix: S ple Collected: 1		7:05	
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/	′17/09 at 09:55							
Calcium	50	5000	339000	mg/Kg	11/19/09 22:49	6020	K.O.	W-1,D-1
Iron	50	50.0	4840	mg/Kg	11/18/09 15:03	6020	K.O.	W-1
Lead	0.5	0.500	9.26	mg/Kg	11/18/09 15:03	6020	K.O.	W-1





Order ID: 0911235 Date: 11/21/2009 Page 13 of 20

W&M Environmental Group, Inc. Aaron Brewer

Analytical Report

Customer Sample Oxidor Sample Sample Receive		Sam	Matrix: S ple Collected: 1		7:15			
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
Digested by method 3050B on 11/1	7/09 at 09:55							
Calcium	50	5000	395000	mg/Kg	11/19/09 23:07	6020	K.O.	W-1,D-1
Iron	50	50.0	3420	mg/Kg	11/18/09 15:20	6020	K.O.	W-1
Lead	0.5	0.500	1.21	mg/Kg	11/18/09 15:20	6020	K.O.	W-1





Sample Cross Reference

Project Name: Stewart Creek

Customer ID:	Lab ID:	Test	Method	QCBatchID:
112-041-01	0911235-001	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-02	0911235-002	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-03	0911235-003	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-04	0911235-004	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-05	0911235-005	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-06	0911235-006	Lead	6020	META_01727_S
		Iron	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-07	0911235-007	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-08	0911235-008	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
12-041-09	0911235-009	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
112-041-10	0911235-010	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
12-041-11	0911235-011	Iron	6020	META_01727_S
		Lead	6020	META_01727_S
		Calcium	6020	META_02127_S
12-041-12	0911235-012	Lead	6020	META_01727_S
		Iron	6020	META_01727_S
		Calcium	6020	META_02127_S





QC Summary

Project Name: Stewart Creek

			Reference			Rec		RPD	
QC Type	Parameter	Result	Value	Spike Conc	Rec	Limits	RPD	Limits	Flags
QCBatch	DID META_01727_S								
Blank	Iron	ND mg/Kg							
	Lead	ND mg/Kg							
LCS	Iron	11.2 mg/L		11 mg/L	102%	85-115%			
	Lead	10.3 mg/L		11 mg/L	94%	85-115%			
LCSD	Iron	11.3 mg/L		11 mg/L	103%	85-115%	1.2%	0-20%	
	Lead	10.4 mg/L		11 mg/L	95%	85-115%	1.0%	0-20%	
MS	Iron	7180 mg/Kg	10600 mg/Kg	550 mg/Kg	%	80-120%			Q-11
	Lead	529 mg/Kg	5.69 mg/Kg	550 mg/Kg	95%	80-120%			
MSD	Iron	7060 mg/Kg	10600 mg/Kg	550 mg/Kg	%	80-120%			Q-11
	Lead	516 mg/Kg	5.69 mg/Kg	550 mg/Kg	93%	80-120%	2.5%	0-20%	
QCBatch	ND META_02127_S								
Blank	Calcium	ND mg/Kg							
LCS	Calcium	11.1 mg/L		11 mg/L	101%	85-115%			
LCSD	Calcium	11.3 mg/L		11 mg/L	103%	85-115%	1.8%	0-20%	
MS	Calcium	377000 3 mg/Kg	361000 mg/Kg	-	%	80-120%			Q-11
MSD	Calcium	318000 3 mg/Kg	361000 mg/Kg	550 mg/Kg	%	80-120%			Q-11





Case Narrative

Project Name: Stewart Creek D-1 Elevated reporting limit(s) due to dilution. Dilution resulted from sample matrix interference, high target analyte(s), high nontarget analyte(s) or a combination thereof. Recovery is not reported due to the high concentration of analyte(s) within the parent sample relative to the spike concentration. Q-11 W-1 Result reported on wet weight basis. Parts per million = mg/Kg or mg/L ppm ppb Parts per billion = ug/Kg or ug/L Method quantitation limit MQI Sample detection limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilutions) SDL SQL Sample quantitation limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilution ND Analyte not detected at or above SQL LCS/LCSD Laboratory control spike / Laboratory control spike duplicate MS/MSD Matrix spike / Matrix spike duplicate RPD Relative percent difference

Sub Analysis performed by subcontract laboratory

Solid sample results reported on a dry weight basis for all applicable analysis, unless otherwise noted. Dry weight calculations based upon % solids obtained as outlined in EPA method 5035 section 7.5

This report is intended only for the use of W&M Environmental Group, Inc. and may contain information that is privileged and confidential. It may not be reproduced in full (or in part) without the expressed written permission of W&M Environmental Group, Inc. and Oxidor Laboratories, LLC.

Oxidor Laboratories, LLC certifies to the best of its knowledge that all results contained in this report are consistent with the National Environmental Laboratory Accreditation Program, except where otherwise noted.





Sample Preservation Verification

Project Name: Stewart Creek

Receipt temp: ! Receipt method: (All a	pplicable VOA's received free of headspace: N/A
Custody seal intact:			All samples / labels received intact: Yes
Customer Sample ID:	112-041-01		Collected By: Steven Furlough
Oxidor Sample ID:	0911235-001		Collector Affiliation: W&M Environmental Group, Inc.
Collected:	11/11/09 13:10		Matrix: Solid
			Indicated
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval Preservation pH
4 oz Glass J	ar 1	Grab	Temp -
Customer Sample ID:	112-041-02		Collected By: Steven Furlough
Oxidor Sample ID:	0911235-002		Collector Affiliation: W&M Environmental Group, Inc.
Collected:	11/11/09 13:25		Matrix: Solid
			Indicated
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval Preservation pH
4 oz Glass J	ar 1	Grab	Temp -
Customer Sample ID:	112-041-03		Collected By: Steven Furlough
Oxidor Sample ID:	0911235-003		Collector Affiliation: W&M Environmental Group, Inc.
Collected:	11/11/09 13:40		Matrix: Solid
			Indicated
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval Preservation pH
4 oz Glass J	ar 1	Grab	Temp -
Customer Sample ID:	112-041-04		Collected By: Steven Furlough
Oxidor Sample ID:	0911235-004		Collector Affiliation: W&M Environmental Group, Inc.
Collected:	11/11/09 14:05		Matrix: Solid
			Indicated
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval Preservation pH
4 oz Glass J	ar 1	Grab	Temp -
Customer Sample ID:	112-041-05		Collected By: Steven Furlough
Oxidor Sample ID:	0911235-005		Collector Affiliation: W&M Environmental Group, Inc.
Collected:	11/11/09 14:30		Matrix: Solid
	-		Indicated
Bottle Type	Count	Collection Method	Parts / Interval Preservation pH
4 oz Glass J	ar 1	Grab	Temp -





Sample Preservation Verification

Customer Sample ID: 112-04	1-06		Collected By:	Steven Furlo	uah
Oxidor Sample ID: 091123			-		nmental Group, Inc.
Collected: 11/11/0			Matrix:		intental Group, inc.
Bottle Type	Count	Collection Method	Parts / Interval	Indicated Preservation	рН
4 oz Glass Jar	1	Grab		Temp	-
Customer Sample ID: 112-04	1_07		Collected By:	Steven Furlo	uab
Oxidor Sample ID: 091123			-		nmental Group, Inc.
Collected: 11/11/0			Matrix:		intental Group, inc.
	5 15.20		Matrix.	Indicated	
Bottle Type	Count	Collection Method	Parts / Interval	Preservation	<u>рН</u>
4 oz Glass Jar	1	Grab		Temp	-
Customer Sample ID: 112-04	1-08		Collected Bv:	Steven Furlo	uah
Oxidor Sample ID: 091123			-		mental Group, Inc.
Collected: 11/11/0			Matrix:		······································
				Indicated	
Bottle Type	Count	Collection Method	Parts / Interval	Preservation	<u>рН</u>
4 oz Glass Jar	1	Grab		Temp	-
Customer Sample ID: 112-04	1-09		Collected By:	Steven Furlo	ugh
Oxidor Sample ID: 091123	35-009		Collector Affiliation:	W&M Enviror	mental Group, Inc.
Collected: 11/11/0	9 16:35		Matrix:	Solid	
				Indicated	
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval	Preservation	<u>рН</u>
4 oz Glass Jar	1	Grab		Temp	-
Customer Sample ID: 112-04	1-10		Collected By:	Steven Furlo	ugh
Oxidor Sample ID: 091123	35-010		Collector Affiliation:	W&M Enviror	nmental Group, Inc.
Collected: 11/11/0	9 16:50		Matrix:	Solid	
Pottla Turna	Count	Collection Mothed	Parts / Interval	Indicated Prosorvation	
<u>Bottle Type</u> 4 oz Glass Jar	<u>Count</u> 1	Collection Method Grab	rans/ interval	Preservation Temp	<u>рН</u>
		Glab		•	
Customer Sample ID: 112-04			•	Steven Furlo	•
Oxidor Sample ID: 091123					nmental Group, Inc.
Collected: 11/11/0	9 17:05		Matrix:		
	<u>Count</u>	Collection Method	Parts / Interval	Indicated Preservation	рH
Bottle Type					





Sample Preservation Verification

Project Name: Stewart Creek

-					
Customer Sample ID:	112-041-12		Collected By:	Steven Furlou	ıgh
Oxidor Sample ID:	0911235-012		Collector Affiliation:	W&M Environ	mental Group, Inc.
Collected:	11/11/09 17:15		Matrix:	Solid	
				Indicated	
Bottle Type	<u>Count</u>	Collection Method	Parts / Interval	Preservation	<u>PH</u>
4 oz Glass Ja	ar 1	Grab		Temp	-

Sample conditions at time of receipt at laboratory verified in part or in whole by:

T.M.

2014 EXIDE APAR PAGE 2507 OF 3112





Order ID: 0911235 Date: 11/21/2009 Page 20 of 20

Chain of Custody

PROJECT DESCRIPTION: Stewart Creek

Diana TV 76074 0570	OXIDOR CORPORATION Environmental Laboratories 1825 East Plano Parkway, Suite 160 Plano, TX 75074-8570						ANC.								Pa	ge _	l	_ of	1
P: (972) 424-6422 F: (972) 4 customerservice@oxidor.com				K		đ		1114						٠					
port kifuamelian			Proj	ect li	nform	ation													
mpany Name W+M			Requested Turn Around Time (1 Day and ASAP must be verified with lab)																
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March 28, 2013

Matt Love, Environmental Manager Exide Technologies, Inc. 7471 South 5th Street Frisco, Texas 75034

RE: Inspection of Facility Operating Areas Exide Facility 7471 South 5th Street Frisco, Texas W&M Project No. 112.072

Dear Mr. Love:

This letter summarizes the observations resulting from visual inspections for the presence of exposed slag or plastic battery casings at Exide Technologies' plant located in Frisco, Texas (refer to Location Plan, **Figure 1**). The inspections were completed at various times from May 2009 to March 2013, and focused on portions of the property that have been designated as facility operating areas, as described below.

In May/June 2009, W&M performed a visual assessment for the presence of slag within a segment of Stewart Creek located downstream (west) from the principal operating areas at the Site. In December 2011, W&M conducted a visual inspection for battery case fragments from crushed lead-acid batteries and slag fragments in the two historic disposal areas located on the north and south portions of the main Exide facility in Frisco, Texas In March 2013, W&M completed additional inspections on the remaining Exide facility operating areas including the "RCRA Permitted Area", the area around the operating Class 2 non-hazardous waste landfill in the northern portion of the Site, and a wooded area between the two (refer to Site layout, **Figure 2**). The inspections included recording the Global Positioning System (GPS) coordinates of any such material identified documenting observations regarding each location, and determining the extent of erosion in the disposal areas, if present.

This letter describes the methodology used and results from both the December 2011 and March 2013 inspections. This report includes the findings of the December 2011 inspection (which were previously reported in W&M's report titled "Suspect Slag Sampling Report" dated March 28, 2011 and "North and South Disposal Area Evaluation" dated December 28, 2011).

BACKGROUND AND PROJECT SCOPE

Exide Technologies' predecessors reportedly placed treated and untreated lead slag (slag), battery case fragments from crushed lead-acid batteries, and similar debris in areas located on the north and south portions of the main plant facility. The disposal areas no longer receive waste materials and are capped with soil and vegetative cover. In addition to these two disposal areas, a gun range was formerly operated along the western edge of the south disposal area that utilized an earthen berm as a bullet backstop.

In 1993, an addendum to the 1991 RCRA Facility Investigation (RFI) was completed to delineate the boundaries of each disposal area. **Figure 3** outlines the approximate boundaries of the north disposal area as determined in that report, as well as two "slag landfill" areas located to the northwest. The south disposal area as documented in the 1993 Addendum to the RFI is also depicted on **Figure 3**, along with the west adjacent gun range berm.

In 2011, Exide engaged W&M to assess the condition of the soil cap in each disposal area, note areas of soil erosion and/or exposed waste materials, and note any waste materials located outside of the documented disposal areas. For purposes of this evaluation, the three fill areas in the northern portion of the plant are designated collectively as the north disposal area (NDA) and the fill area south of the main plant is referred to as the south disposal area (SDA). In 2013, Exide engaged W&M to assess the remaining Exide facility operating area. The remaining areas included the area of the operating Class 2 non-hazardous waste landfill, and the densely vegetated area around the northern tributary to Stewart Creek. Stewart Creek was inspected again in 2013. This report summarizes field observations made by W&M while inspecting each area.

Photographs of some of the materials and features observed are provided in Attachment A.

CAP INSPECTION

Using figures completed for Exide's predecessor (GNB Incorporated drawing number 495-171 April 9, 1991, and drawing number 494-170, April 9, 1991) and figures from Exide's Storm Water Pollution Prevention Plan (provided by W&M), each disposal area was systematically walked to document evidence of slag or battery case fragments, and make notations as to their location and quantity in each area. The assessment consisted of visual, on the ground observations only and did not include physical digging or intrusive investigations. Features and materials observed were marked with flags and/or documented using a Trimble GeoXT GPS receiver. Each feature has been assigned a unique designation and number along with its geographic coordinates, and the locations are summarized in **Table 1**.

South Disposal Area

Beginning at the northeast extent of the SDA, W&M staff traversed the disposal area along north-south transects spaced at intervals of 75 feet or less. W&M staff observed cracks in the soil caused by drought conditions, principally in the western lobe of the disposal area as well as outside of the disposal area. An area of erosion covering approximately 500 square feet was observed near the northeastern extent of the documented disposal area. Neither slag nor battery case fragments were observed within the eroded area. An area of surface depression was noted in the central portion of the SDA, however no evidence of slag or battery case fragments was noted.

Figure 4 displays the surface features observed while canvassing the SDA. Slag material and battery case fragments were only observed near three small animal burrows within the SDA (as documented in **Photo 3** and **Photo 4**). The slag and battery case fragments observed near the burrowing entrances had an approximate diameter of one to five inches.

North Disposal Area

Using procedures similar to those used while inspecting the SDA, W&M staff inspected the cap within the three filled areas comprising the NDA. As with the SDA, evidence of vegetative heat stress and soil desiccation were noted in the NDA. Exposed slag or battery case fragments were observed in materials storage areas and within areas of heavy vehicular traffic, including a few locations on or north of the

unpaved roadway that mirrors the northern boundary of the NDA, and in the southern portions of the NDA. Materials within the southern area of the NDA area included battery case fragments and 4-inch to 6-inch diameter pieces of untreated slag fragments. Slag fragments were observed near a storm water drainage pipe leading under the paved roadway adjoining the blast furnace building. The mounded section of the NDA (slag landfill area), located just south of the northern tributary to Stewart Creek and west of the paved roadway, was observed to have isolated areas of slag fragments atop the mound and along the western slope. The steeper, south face of the mound was observed to have poor vegetative cover, but no exposed slag or battery case fragments were observed.

Figure 5 depicts the areas where battery case and slag fragments were observed in the NDA.

OBSERVATION OF MATERIALS OUTSIDE OF DISPOSAL AREAS

In addition to noting the conditions within the disposal areas, W&M observed slag or battery case fragments outside of the disposal areas. The following paragraphs document those locations as well as materials exposed within the earthen berm used as a firing range backstop west of the SDA.

South Disposal Area and Gun Range Berm

The firing range berm located west of the SDA was observed to have small to moderate-sized woody vegetation along its crest. Leaves covered much of the slope, obscuring observations in some areas. Fragmented bullets (**Photo 11**) and occasional pieces of battery case fragments (dime-sized) were observed throughout the bare, eastern face of the berm. It is possible that the berm was constructed by scraping and mounding of fill material, and will contain slag and battery case fragments. Large fragments of slag were observed near the southern end of the berm which terminates at the outcrop of weathered limestone located south of the disposal area. As the outcrop extends eastward it was noted to widen from a narrow strip, less than 10 feet wide, to a feature 100 feet wide. Within the corner formed by the berm and limestone, W&M observed multiple clusters of battery case and slag fragments from 4 inches to 18 inches in diameter. Individual, smaller fragments of untreated slag were observed along the northern face of the intersection of the outcrop and the berm eastward 100 feet.

A cluster of 4-inch to 18-inch diameter fragments of slag was noted south of the SDA within the trees located north of the limestone outcrop. Some battery case fragments and dime-sized slag fragments were observed in the broadest portion of the exposed limestone, and appeared to be surficial in nature (note this area may also contain fragments from shooting clays that have the initial appearance of battery case fragments). Additional large slag fragments were observed within the tree line east of the disposal area, while discrete and isolated dime-sized slag and battery case fragments were observed in the dense vegetation further east of the SDA. These smaller fragments may have been transported away from the disposal area through historic erosion, since these areas appear to be topographically lower. Finally, a cluster of 12-inch to 18-inch diameter fragments of slag were observed within the small group of trees immediately north of the SDA.

Figure 4 notes the location of slag, battery case fragments observed within and around the SDA.

North Disposal Area Perimeter

North of the main plant, untreated, exposed slag fragments were observed outside the southeastern end of the mapped disposal area. The slag was observed in a generally linear orientation extending westward between the southern NDA boundary and the rail line, terminating at the driveway leading to the blast furnace building. Individual, 4-inch to 6-inch pieces of slag fragments were observed within and along

the rail line north of the battery receiving/storage building and to the northwest (as documented in **Photo 10**). The dense vegetation located along the northern tributary to Stewart Creek, northwest of the disposal areas was noted to contain a few areas with 12-inch sized fragments of slag. Slightly smaller fragments of slag and battery cases were observed at isolated locations in the dense vegetation northeast of the NDA.

Stewart Creek Area

W&M inspected the entire Stewart Creek area inside the Exide operating area. No slag or battery case fragments were observed in the eastern portion of the creek; however, slag fragments were observed in the west portion of the creek. Several dome shaped 18-inch diameter fragments from kettles used in the smelting process (commonly referred to as "buttons") were observed in the creek bank and bed. Also small 4-inch to 8-inch individual slag fragments were observed in the far northwest extent of the creek, refer to **Figure 6**.

Crystallizer Plant Road

W&M inspected an area along Crystallizer Plant Road west of the Crystallizer Plant where a small quantity of battery case fragments had been noted in a Phase I ESA Report prepared by Southwest Geosciences, Inc. Only one battery case fragment was observed, but the area appeared to be more overgrown then when the fragments were originally observed. This area will be included within the overall plan for addressing casing fragments and slag at the Site.

North Disposal Area Perimeter

North of the NDA, a densely vegetated area was observed around the northern tributary of Stewart Creek. No slag or battery case fragments were observed in this area except in the far southeast portion located near the Frisco Fire training building, refer to **Figure 7**. A few fragments of slag were observed just north of the Frisco Fire training building.

Operating Class 2 Non-Hazardous Waste Landfill Area

The operating Class 2 Non-Hazardous Waste Landfill observations identified very minimal intermittent slag fragments across the southern portion of the landfill area. Slag sizes observed were approximately 3 to 6 inches in diameter. No other slag or battery case fragments were observed in the landfill area; refer to **Figure 7**.

CONCLUSIONS

W&M's inspection has identified minimal areas of slag or battery case fragments in the SDA. Generally that which was observed was associated with material brought to the surface by animal burrowing. Areas to the south and east of the designated SDA contain exposed materials, as does the gun range berm located immediately to the west. Intermittent and isolated observations of battery case fragments and small slag fragments were noted in areas to the north of the SDA and within wooded and overgrown areas east of the SDA. These minor occurrences may be associated, at least in part, to historic erosion from filled areas.

Areas of slag fragments were observed within the surface of the NDA, particularly near materials storage areas and within areas of heavy vehicular traffic in the southern portions of the NDA. Slag fragments were also noted southeast of the NDA boundary and along the rail line

The remaining areas inspected were largely clear of slag fragments except for a few areas. Slag fragments were observed along the bank of Stewart Creek, at discrete locations near the Frisco Fire training building south of the northern tributary to Stewart Creek, along a road west of the Crystallizer Plant, and in the southern portion of the operating Class 2 Non-Hazardous Waste landfill area.

W&M's evaluation was based solely on a visual assessment of exposed material, and the thickness and lateral extent of the slag and battery case fragments at each location identified has not been defined. It is possible that many observations of surficial material represent isolated conditions that can be managed with minimal effort; other areas will warrant some additional intrusive investigations to define the depth and lateral extent of the slag and battery case fragments.

This report was prepared for the sole use of Exide Technologies by employing generally accepted methods and customary practices of the engineering profession. W&M appreciates the opportunity to be of service to you on this project. If you have any questions or need additional information, please contact Frank Clark, P.E. at 972-509-9611.

Very truly yours, **W&M ENVIRONMENTAL GROUP, INC.**

ank WClark

Frank W. Clark, P.E., P.G. Senior Consultant

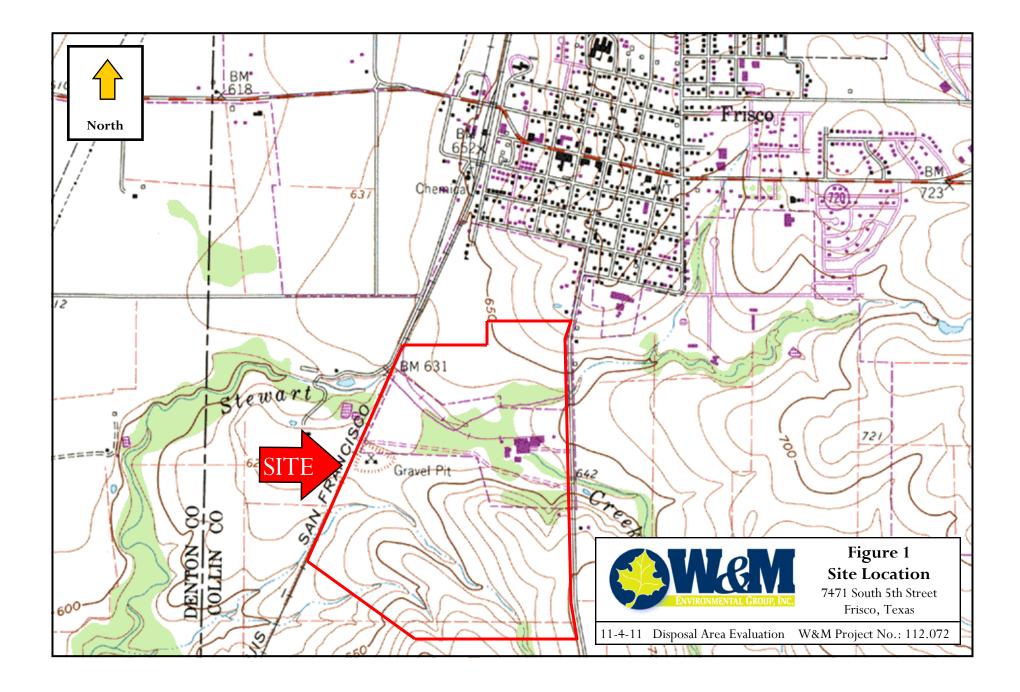
Michael Whitehead Senior Reviewer

Figures, Tables, Attachments

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Brent Vollmar Environmental Scientist

FIGURES



Operating Class 2 Non-Hazardous Waste Landfill Area

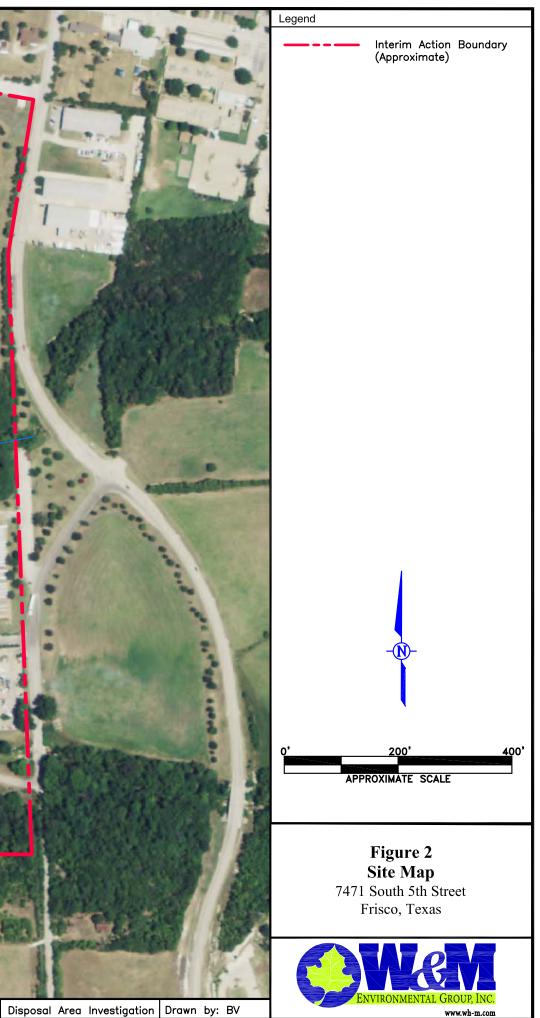
Northern Tributary to Stewart Creek

North Disposal Area

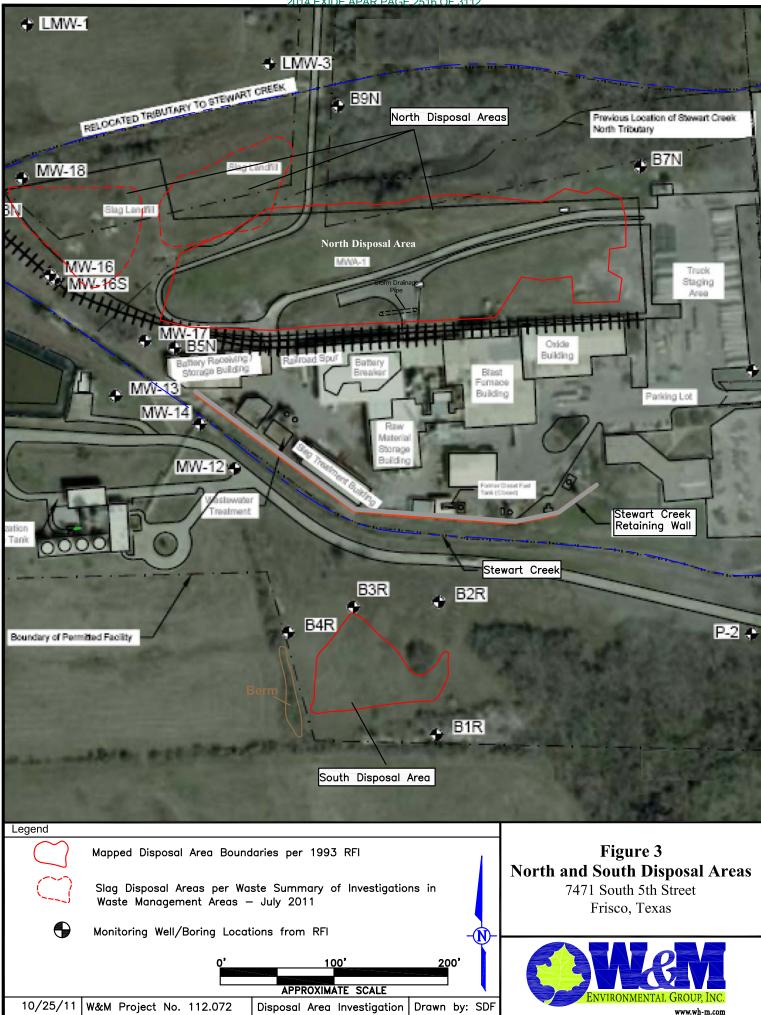
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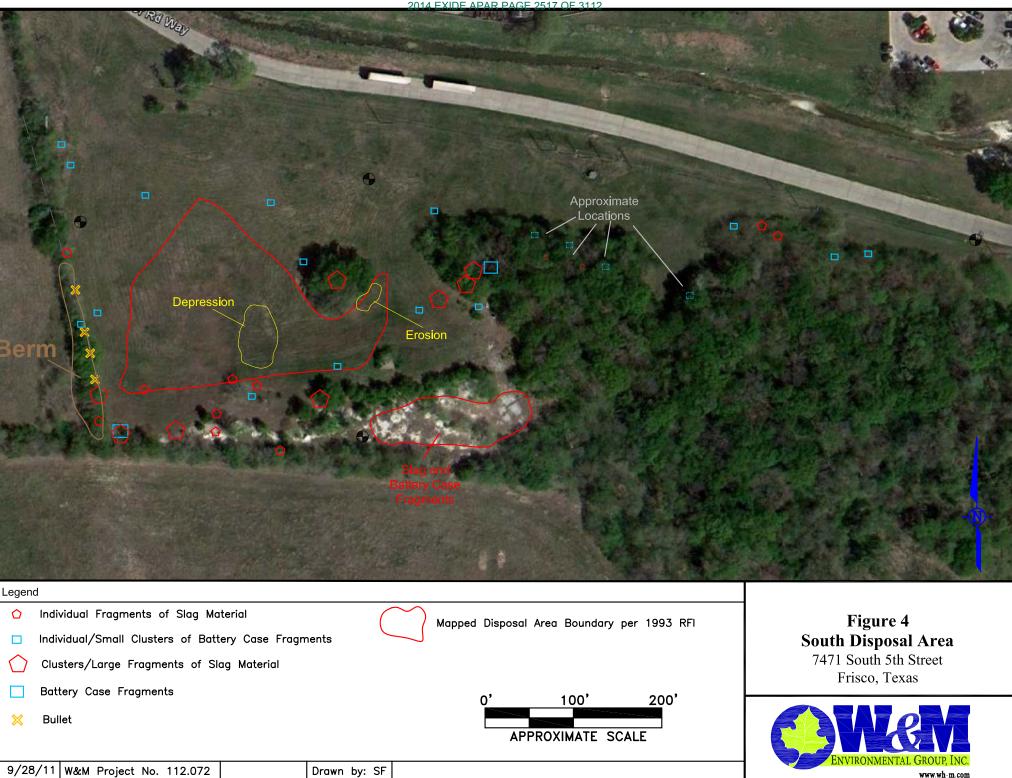
South Disposal Area

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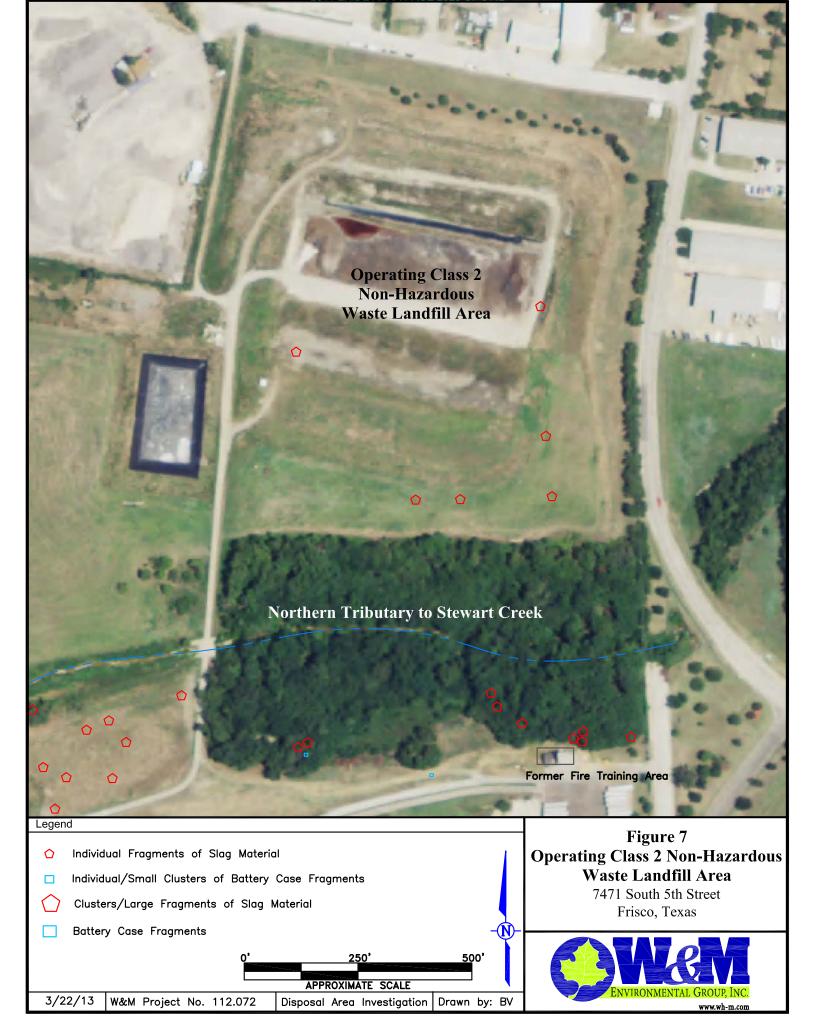


9/28/11 W&M Project No. 112.072

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www.wh-m.com

Legend	
	Figure 6
🔿 Individual Fragments of Slag Material	Stewart Creek
Individual/Small Clusters of Battery Case Fragments	7471 South 5th Street
🕜 Clusters/Large Fragments of Slag Material	Frisco, Texas
Battery Case Fragments 0' 125' 250' APPROXIMATE SCALE	ENVIRONMENTAL GROUP, INC.
6/26/13 W&M Project No. 112.072 Drawn by: BV	www.wh-m.com



TABLES

TABLE 1 Locations of Surface Slag & Battery Case Fragments Exide Operating Areas

Exide Technologies 7471 South 5th Street Frisco, Texas

	Material Name	Latitude	Longitude	Description	How to Address	Addressed (Y/N)
	Name			Areas of Observed Surface Slag		
	Slag-1	33.139033°	-96.829056°	Individual surface slag fragment		
	Slag-2	33.138589°	-96.828904°	Individual surface slag fragment		
	Slag-3	33.138511°	-96.828881°	Individual surface slag fragment		
	Slag-4	33.138499°	-96.828851°	Individual surface slag fragment		
	Slag-5	33.138475°	-96.828783°	Individual surface slag fragment		
	Slag-6	33.138481°	-96.828743°	Individual surface slag fragment		
	Slag-7	33.138488°	-96.828612°	Individual surface slag fragment		
g	Slag-8	33.138526°	-96.828473°	Individual surface slag fragment		
re	Slag-9	33.138499°	-96.828468°	Individual surface slag fragment		
South Disposal Area	Slag-10	33.138431°	-96.828235°	Individual surface slag fragment		
a	Slag-11	33.138611°	-96.828736°	Individual surface slag fragment		
)Si	Slag-12	33.138656°	-96.828420°	Individual surface slag fragment		
50	Slag-13	33.138618°	-96.828328°	Individual surface slag fragment		
isl	Slag-14	33.138595°	-96.828208°	Individual surface slag fragment		
Δ	Slag-15	33.138580°	-96.828116°	Individual surface slag fragment		
Ļ	Slag-16	33.138585°	-96.828041°	Individual surface slag fragment		
nt	Slag-17	33.138940°	-96.828070°	Individual surface slag fragment		
ō	Slag-18	33.138961°	-96.828002°	Individual surface slag fragment		
S	Slag-19	33.138882°	-96.827664°	Individual surface slag fragment		
	Slag-20	33.138936°	-96.827553°	Individual surface slag fragment		
	Slag-21	33.138971°	-96.827526°	Individual surface slag fragment		
	Slag-22	33.139102°	-96.826434°	Individual surface slag fragment		
	Slag-23	33.139065°	-96.826381°	Individual surface slag fragment		
	Slag-23	33.139005 33.138985°	-96.827132°	Individual surface slag fragment		
	Slag-25	33.139022°	-96.827278°	Individual surface slag fragment		
	Slag-26	33.141034°	-96.826827°	Individual surface slag fragment		
	Slag-27	33.141085°	-96.826856°	Individual surface slag fragment		
	Slag-28	33.141084°	-96.827085°	Individual surface slag fragment		
	Slag-29	33.141092°	-96.827148°	Individual surface slag fragment		
	Slag-30	33.141075°	-96.827229°	Individual surface slag fragment		
	Slag-31	33.141065°	-96.827259°	Individual surface slag fragment		
	Slag-32	33.141055°	-96.827296°	Individual surface slag fragment		
g	Slag-33	33.141016°	-96.827307°	Individual surface slag fragment		
re	Slag-34	33.141063°	-96.827364°	Individual surface slag fragment		
A	Slag-35	33.141001°	-96.827809°	Individual surface slag fragment		
a	Slag-36	33.140974°	-96.827894°	Individual surface slag fragment		
)Si	Slag-37	33.141050°	-96.827946°	Individual surface slag fragment		
d	Slag-38	33.141109°	-96.827876°	Individual surface slag fragment		
is	Slag-39	33.141066°	-96.828216°	Individual surface slag fragment		
Δ	Slag-40	33.141107°	-96.828224°	Individual surface slag fragment		
North Disposal Area	Slag-41	33.141120°	-96.828371°	Individual surface slag fragment		
L L	Slag-42	33.141217°	-96.828494°	Individual surface slag fragment		
	Slag-43	33.141180°	-96.828714°	Individual surface slag fragment		
~	Slag-44	33.141103°	-96.828698°	Individual surface slag fragment		
	Slag-45	33.141067°	-96.828925°	Individual surface slag fragment		
	Slag-46	33.140940°	-96.829377°	Individual surface slag fragment		
	Slag-47	33.140933°	-96.829856°	Individual surface slag fragment		
	Slag-48	33.141026°	-96.829806°	Individual surface slag fragment		
	Slag-49	33.141111°	-96.829881°	Individual surface slag fragment		
	Slag-50	33.141100°	-96.830062°	Individual surface slag fragment		

TABLE 1 Locations of Surface Slag & Battery Case Fragments Exide Operating Areas

Exide Technologies 7471 South 5th Street Frisco, Texas

	Material Name	Latitude	Longitude	Description	How to Address	Addressed (Y/N)
				Areas of Observed Surface Slag (cont'd)		
	Slag-51	33.141191°	-96.830258°	Individual surface slag fragment		
	Slag-52	33.141300°	-96.830455°	Individual surface slag fragment		
	Slag-53	33.141436°	-96.830510°	Individual surface slag fragment		
	Slag-54	33.141960°	-96.830603°	Individual surface slag fragment		
d.	Slag-55	33.141943°	-96.830564°	Individual surface slag fragment		
Ľ,	Slag-56	33.141785°	-96.829957°	Individual surface slag fragment		
North Disposal Area (cont'd.)	Slag-57	33.141710°	-96.829914°	Individual surface slag fragment		
(C	Slag-58	33.141715°	-96.829803°	Individual surface slag fragment		
a	Slag-59	33.141473°	-96.829704°	Individual surface slag fragment		
ē	Slag-60	33.141654°	-96.829637°	Individual surface slag fragment		
Ar	Slag-61	33.141644°	-96.829306°	Individual surface slag fragment		
	Slag-62	33.141865°	-96.829207°	Individual surface slag fragment		
SS	Slag-63	33.141984°	-96.829487°	Individual surface slag fragment		
õ	Slag-64	33.142030°	-96.829328°	Individual surface slag fragment		
sp	Slag-65	33.142055°	-96.829960°	Individual surface slag fragment		
Di	Slag-66	33.142055°	-96.829866°	Individual surface slag fragment		
	Slag-67	33.142146°	-96.828804°	Individual surface slag fragment		
モ	Slag-68	33.141728°	-96.828037°	Individual surface slag fragment		
ō	Slag-69	33.141752°	-96.827980°	Individual surface slag fragment		
Z	Slag-70	33.142038°	-96.826681°	Individual surface slag fragment		
	Slag-71	33.141967°	-96.826643°	Individual surface slag fragment		
	Slag-72	33.141874°	-96.826465°	Individual surface slag fragment		
	Slag-73	33.141208°	-96.829222°	Individual surface slag fragment		
	Slag-74	33.141087°	-96.826952°	Individual surface slag fragment		
	Slag-75	33.139851	-96.830809	Large Fragments in Bank		
	Slag-76	33.140198	-96.829193	Large Fragments in Bank		
~	Slag-77	33.140858	-96.830196	Large Fragments in Bank		
Stewart Creek	Slag-78	33.140865	-96.830209	Large Fragments in Bank		
e	Slag-79	33.141295	-96.830845	Large Fragments in Bank		
Ū	Slag-80	33.141386	-96.830926	Large Fragments in Bank		
せ	Slag-81	33.141509	-96.831117	Large Fragments in Bank		
aı	Slag-82	33.141570	-96.831099	Large Fragments in Bank		
3	Slag-83	33.142439	-96.832506	Large Fragments in Bank		
te	Slag-84	33.142457	-96.832538	Large Fragments in Bank		
S	Slag-85	33.142500	-96.832602	Large Fragments in Bank		
	Slag-86	33.142911	-96.832945	Sml Fragment		
Crystalliz er Plant Rd	Plastic-33	33.140698	-96.833515	Single Fragment		
л	Slag-87	33.145460	-96.827074	Small Fragment		
orth ndfill Area	Slag-88	33.144404	-96.826258	Small Fragment		
Ar	Slag-89	33.144156	-96.827996	Small Fragment		
	Slag-90	33.143626	-96.826234	Small Fragment		
rth ndfi	Slag-91	33.143270	-96.826199	Small Fragment		
	Slag-92	33.143257	-96.826849	Small Fragment		
No Lar	Slag-93	33.143260	-96.827165	Small Fragment		
	Slag-94	33.141828	-96.826013	Small Fragment		
e. reć	Slag-95	33.141850	-96.826067	Small Fragment		
Fir ŠA	Slag-96	33.141836	-96.826031	Small Fragment		
ing	Slag-97	33.141893	-96.825990	Small Fragment		
Former Fire Training Area	Slag-98	33.141853	-96.825660	Small Fragment		
Foi Tra	Slag-99	33.142338	-96.825668	Small Fragment		

TABLE 1 Locations of Surface Slag & Battery Case Fragments Exide Operating Areas

Exide Technologies 7471 South 5th Street Frisco, Texas

	Material Name	Latitude	Longitude	Description	How to Address	Addressed (Y/N)
			Are	eas of Observed Plastic Battery Case Fragment	ts	
	Plastic-1	33.139373°	-96.829089°	Small Fragment		
	Plastic-2	33.139306°	-96.829051°	Small Fragment		
	Plastic-3	33.138887°	-96.828926°	Small Fragment		
	Plastic-4	33.138840°	-96.828927°	Small Fragment		
	Plastic-5	33.138807°	-96.828985°	Small Fragment		
	Plastic-6	33.138484°	-96.828728°	Small Fragment		
a D	Plastic-7	33.138675°	-96.827496°	Small Fragment		
e	Plastic-8	33.138678°	-96.828028°	Small Fragment		
South Disposal Area	Plastic-9	33.138584°	-96.828346°	Small Fragment		
<u>–</u>	Plastic-10	33.139215°	-96.828764°	Small Fragment		
SS:	Plastic-11	33.139185°	-96.828297°	Small Fragment		
8	Plastic-12	33.138998°	-96.828163°	Small Fragment		
sl	Plastic-13	33.138934°	-96.828041°	Small Fragment		
Ö	Plastic-14	33.138856°	-96.827732°	Small Fragment		
Ч	Plastic-15	33.138850°	-96.827504°	Small Fragment		
F	Plastic-16	33.138982°	-96.827482°	Small Fragment		
0	Plastic-17	33.139159°	-96.827685°	Small Fragment		
S	Plastic-18	33.139124°	-96.826543°	Small Fragment		
	Plastic-19	33.139016°	-96.826155°	Small Fragment		
	Plastic-20	33.139023°	-96.826020°	Small Fragment		
	Plastic-21	33.139110°	-96.827351°	Small Fragment		
	Plastic-22	33.139031°	-96.827184°	Small Fragment		
	Plastic-23	33.138985°	-96.827040°	Small Fragment		
	Plastic-24	33.138903°	-96.826752°	Small Fragment		
Ļ	Plastic-25	33.141027°	-96.827761°	3 to 6-inch Slag fragments		
No ste	Plastic-26	33.141035°	-96.828216°	3 to 6-inch Slag fragments		
erating Class 2 No Hazardous Waste Landfill Area	Plastic-27	33.141066°	-96.828816°	3 to 6-inch Slag fragments		
clas us \ II A	Plastic-28	33.140931°	-96.829423°	3 to 6-inch Slag fragments		
ng (do	Plastic-29	33.140961°	-96.829566°	3 to 6-inch Slag fragments		
atii azar Lar	Plastic-30	33.141560°	-96.830382°	3 to 6-inch Slag fragments		
Operating Class 2 Non- Hazardous Waste Landfill Area	Plastic-31	33.141689°	-96.827991°	3 to 6-inch Slag fragments		
0	Plastic-32	33.141656°	-96.827126°	3 to 6-inch Slag fragments		
			De	bris Clusters Containing Slag and Battery Chip	s	
	DA Debris Field	33.138506°	-96.827612°	Clusters of small chips and slag		
Debris Clusters ¹	DA Debris Field	33.141048°	-96.827420°	Clusters of small chips and slag		
De Clu	DA Debris Field	33.141024°	-96.828512°	Clusters of small chips and slag		

1 - Coordinates for debris field represent the approximate center of field.

PHOTOGRAPHIC LOG

ATTACHMENT A



Photo 1: View of the South Disposal Area (SDA) from the western boundary facing east.



Photo 2: Cracks in SDA cap caused by drought.





Photo 3: Animal burrow with plastic chips exposed near entrance.



Photo 4: Slag material exposed by animal activity within the SDA.





Photo 5: View of heat-stressed vegetation and evidence of vehicular traffic on the North Disposal Area (NDA).



Photo 6: Debris field of plastic chips and slag in an area of high traffic and equipment storage located within the NDA.





Photo 7: Slag material exposed at a storm water drainage pipe within the NDA.



Photo 8: Exposed treated slag located in the northern section of the NDA.





Photo 9: Exposed, untreated slag located between the NDA and rail line north of the main plant.

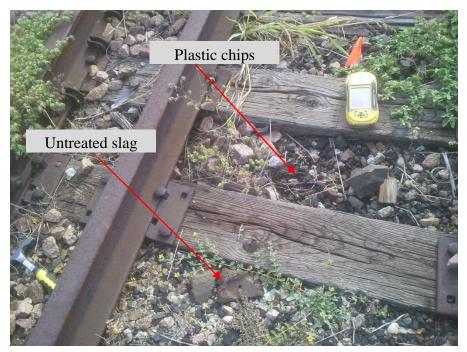


Photo 10: View of GPS data being collected on slag and plastic chips located within the railroad tracks located north of the main plant.





Photo 11: Fragmented bullets observed under leaves covering the firing range berm.



Photo 12: Exposed slag within the firing range berm.





Photo 13: View of large slag fragments located within the dense vegetation east of the SDA.



Photo 14: Plastic chips located within dense vegetation area east of the SDA.





Photo 15: Lead slag observed along Stewart Creek.



Photo 16: Lead slag observed just north of the Frisco Fire training facility.

