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NSB NEW LONDON
5090.3a

Revision 1
March 1997

Phase II
Remedial Investigation
for
Naval Submarine Base
New London
Groton, Connecticut

Volume IV - Appendices A - D.4

Northern Division
Naval Facilities Engineering Command
Contract Number N62472-90-D-1298
Contract Task Order 0129

March 1997

Brown & Root Environmental
A Division of Halliburton NUS Corporation

APPENDIX A

BORING LOGS/MONITORING WELL CONSTRUCTION DIAGRAMS

A.1 SITE 1 - CBU DRUM STORAGE AREA
A.2 SITE 2 - AREA A LANDFILL
A.3 SITE 2 - AREA A WETLAND
A.4 SITE 20 - AREA A WEAPONS CENTER
A.5 SITE 3 - AREA A DOWNSTREAM WATERCOURSES/OBDA
A.6 SITE 4 - RUBBLE FILL AT BUNKER A86
A.7 SITE 6 - DRMO
A.8 SITE 7 - TORPEDO SHOPS
A.9 SITE 8 - GOSS COVE LANDFILL
A.10 LOWER SUBASE
A.11 SITE 14 - OBDANE
A.12 SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA

APPENDIX A.1

SITE 1 - CBU DRUM STORAGE AREA

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: ITB1
PROJECT NO.: 9594 DATE: 01-18-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: T. EVANS Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
1★	S-1 @	0.0	6 / 24	14/2.0		V. Dense	BRN TO BLACK	SAND w/SOME GRAVEL	GP/	Top 3" snow WET 0ppm
	0848	2.0	39 / 27					SILTY SAND w/SOME GRAVEL	SP	SAND - FINE to Coarse Gr FUEL ODOR OILY SHEEN
	S-2 @		51 / 24	1.0/2.0		V. Dense	BLACK	Silty Sand w/TR Gravel	SP	(NO Lith. Sample) FUEL ODOR OILY Sheen 0ppm
	0858	4.0	41 / 37					Wood Frags, Bullets, Roots		SAND FINE to Med Gr Gravel MAX Ø 0.2'
	S-3 @		6 / 6	0.0/2.0				- NO SAMPLE -		No Recovery
	0918	6.0	7 / 5							
2★	S-4 @		10 / 87	1.75/2.0		HARD -	D.BRN	Clayey Silt /	CL/	Diesel Odor, oily Sheen 0ppm
	0925	8.0	75 / 30			V. Dense		SILTY SAND w/ TR Gravel, Plastic Roots	SM	Sand - Fine Gr Gravel - MAX 0.3'
	S-5 @		29 / 32	1.7/2.0		V. Dense	L.BRN	Silty Sand w/ Some Gravel	GW	0ppm 7ppm (Head)
	0940	10.0	51 / 82							Sand - Med to Coarse Gr
	S-6 @		100/0	0.0/2.0				- NO SAMPLE -		Poor Recovery
	0953	12.0								(Wash), Auger 10'-12'
	S-7 @	13.0	39 / 100	0.9/1.0		V. Dense	L.BRN	SILTY SAND & Gravel	SP/GP	Gravel - Pebble 0ppm 0ppm
	101: S-8	14.0								Auger 13'-14'
	@ 1025	14.5	100	0.5/0.5		V. Dense	TAN	SAND & GRAVEL	GW	(S-9 2" 14-14.5) 0ppm
										Sand - Fine to Coarse Gr Gravel - Gneiss, Cobble
								Total Depth 14.5'		
								Fill 0' to 10'		
								Boring Backfill 14.5'		
								9 SS Samples		

REMARKS CME 55 HSA Rig
3" x 24" SS (140# Wt, Cat Head, 30" Drop)
4" ID, 8" OD Auger

BORING ITB1
PAGE 1 OF 1

* See Legend on Back

★ Sample (1-2oz. & 1-8oz. Jar) sent to lab
\# 1. ITB1-0002
2. ITB1-0608

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: ~~HTB2~~ IMW2S
PROJECT NO.: 9594
DATE: 01-11-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: TIM EVANS / STAN CONTI TIM SARO
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	
1A S-1 @	0.0	8 / 18	2.0/2.0			O.BRN	SILTY SAND W/ SOME GRAVEL	GP	TOP 0.5' SNOW (IMW2S-0002) FUEL ODOR FILL	OVM 0 ppm
1540	2.0	25 / 33			Dense	D.BRN	SAND W/ SOME Al-Foil		SAND - Med C-F	1.2 ppm (Head)
S-2 @		65 / 32	0.9/2.0		Dense	D.BRN	SILTY SAND W/TR GRAVEL & BRICK	GW	SL. PETRO ODOR FILL	0.6 ppm
1547	4.0	19 / 20								
S-3 @		7 / 15	0.7/2.0	4.0	V.Dense				SATURATED POOR RECOVERY FUEL ODOR	4 ppm (Head)
1600	6.0	45 / 50								
S-4 @ 1604	6.3	100/.3 / 18	0.3/0.3		V. Dense				FUEL ODOR POOR RECOVERY	4 ppm (Head)
S-5 @		5 / 3	0.6/2.0		M. Dense		w/ BRICK & Plastic		POOR RECOVERY	3 ppm (Head)
1621	8.5	14								
	10.0						- NO SAMPLE 8.5' - 10' -			
S-6 @		20 / 4	0.3/2.0		M. Dense	D.BRN	SILTY SAND W/ TR CLAY & Gravel	SM	OILY SHEEN POOR RECOVERY	1 ppm (H
1641	12.0	9 / 7							SAND - Med to Coarse Gr	
3" 2" AX S-7 @		7 / 7	0.6/2.0		HARD	D.BRN	SILT W/ TR ORG	ml	SL. FUEL ODOR (IMW2S-1214)	
1700	14.0	100/3		14.						
							- Total Depth 14' -		Auger Refusal @ 14'	
							HSA to 14'			
							7-SS to 14'			
							Screen 4'-14'			
							Sand 3'-4'		→ 1½-100# Bag Clear Sand	
							Pellets 2'-3'		→ 1 - 50# Bag Ave Gold Med Bent Chips	
							2' Su			
							4" Steel Protective Casing			

REMARKS: CME 55 HSA Rig
4¼" ID, 8" Ø Auger
3" x 24" SS (140 # Wt, Cat Head, 30" Drop)

BORING: ~~HTB2~~ IMW2S

PAGE 1 OF 1

* See Legend on Back

* Chemical Sample Only (1-2oz & 1-8oz Jar) - ▲ Sent to Lab
# 1. IMW2S-0002
2. IMW2S-1214

000002

BORING NO 1MW2S

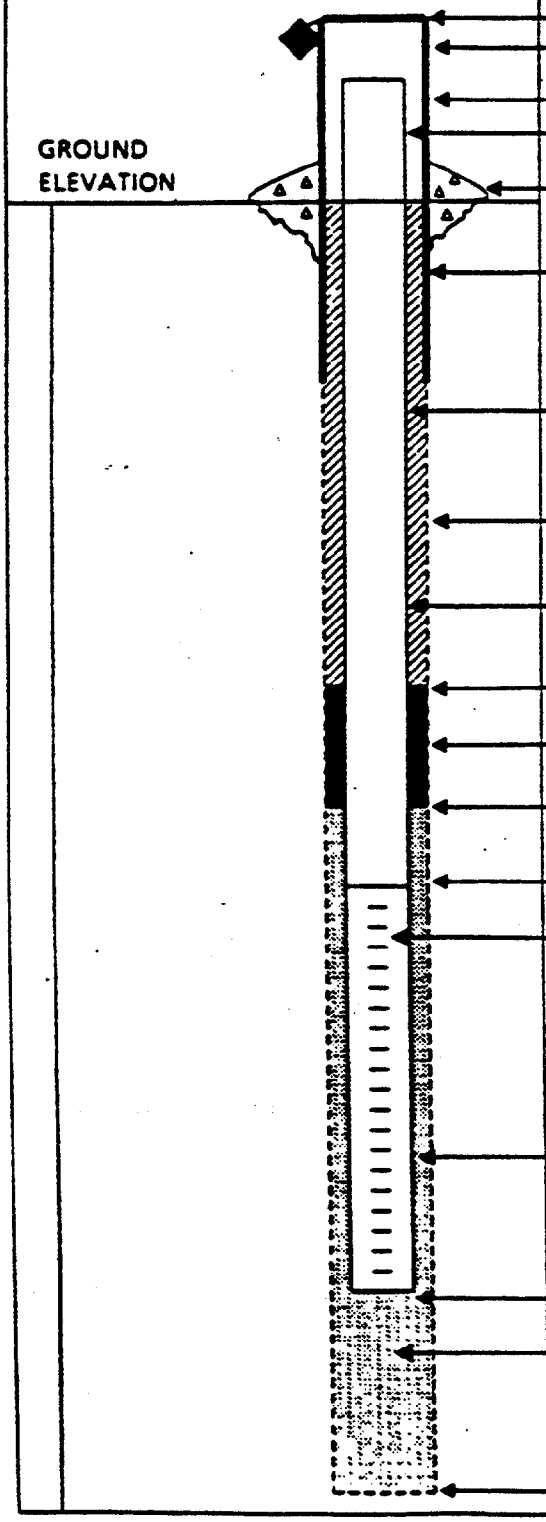
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST Tim Evans / Stan Conti

LOCATION GROTON, CT.
BORING 1MW2S
DATE 1-11-94

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE :
TYPE OF SURFACE SEAL: Concrete
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: Steel
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC (Schedule 40)
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: N/A
ELEVATION / DEPTH TOP OF SEAL: 12'
TYPE OF SEAL: Bentonite Pellets
DEPTH TOP OF SAND PACK: 13'
ELEVATION / DEPTH TOP OF SCREEN: 14'
TYPE OF SCREEN: PVC (Schedule 40)
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 14'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: ~~HAWIS~~ ITB3
PROJECT NO.: 9594 DATE: 01-12-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS/STAN CONTI TIM SABO
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	OVM
▲ S-1 @	0.0 1.0	x x	—		—	BRN	SILTY SAND w/TR GRAVEL & PLASTIC	GW	FILL NO SS SAMPLE GRAB	0 ppm
0955 S-2		65 71	1.8/2.0	Fill	V. Dense	BRN	SILTY SAND & GRAVEL w/Plastic	SM/GW	FILL Fuel odor	1 ppm (Wood)
@ 1013	3.0	63 17								
S-3 @		3 3	0.0/2.0		Loose	—	- NO SAMPLE -	—	NO RECOVERY	
1017	5.0	3 3							Refusal @ 5' move 5' SE	
S-4 @		10 12	1.5/2.0		M. Dense	D.BRN	SILTY SAND w/SOME GRAVEL, WOOD, PLASTIC	SM	Wet Fuel Odor	1 ppm
1055	7.0	16 17		Fill						
S-5 @ 1100	7.7 8.0	42 100/.2	0.6/0.7		V. Dense	D.BRN	SILTY SAND	SP	SATURATED Fuel Odor	—
S-6 @ 1115	8.2	100/.2	0.0/0.2		V. Dense	—	- NO SAMPLE -	-	NO LITHO SAMPLE NO SAMPLE	
	10.0								Auger to 10'	
S-7 @		2 3	2.0/2.0		M. Stiff	D.BRN	Clayey Silt w/Tr Shell	CL	Sulfur Odor Organic	0
1130	12.0	4 5								
S-8 @		1 1	1.0/2.0		V. Soft					0 ppm
1135	14.0	1 1								
							- Total Depth 14' -			
							- Boring Backfill 14' -			
							HSA to 14' (+ 5')			
							8-3" SS to 14			

REMARKS CME 55 HSA Rig
4¼" ID 8" Ø Auger
3" x 24" SS (140# WH Cat Head, 30" Drop)

BORING ~~HAWIS~~ ITB3
PAGE 1 OF 1

* See Legend on Back

▲ Chemical Sample sent to Lab (2-2oz. & 2-8 oz. Jar)
ITB3-0002, ITB3-0507

APPENDIX A.2

SITE 2 - AREA A LANDFILL

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW19S
PROJECT NO.: 9594 DATE: 12-17-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: T. EVANS WAYNE LIVEBERG
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
@ 1100	0.0								
	5.0								
	5.5				HARD	GRAY TO PINK	GNEISS W/GRANITE BOULDER		
	10.0				HARD	GRAY	GRAVEL		
	12.0								
					HARD	GRAY	GNEISS		
	15.0			15'					
	17.0				HARD	GRAY	GRAVEL		
	17.5			17.5'	HARD	GRAY	GNEISS		HIT BR @ 17.5'
@ 1140	20.0								HIT H_2O @ 20'±
									2" PVC
									SCREEN 15'-25'
									SAND 13'-25'
	25.0			25'			TOTAL DEPTH 25'		PELLETS 11.5'-13'

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
8½"Ø AIR HAMMER 0' TO 25'

BORING 2LMW19S

PAGE 1 OF 1

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

BORING NO: 2LMW19S

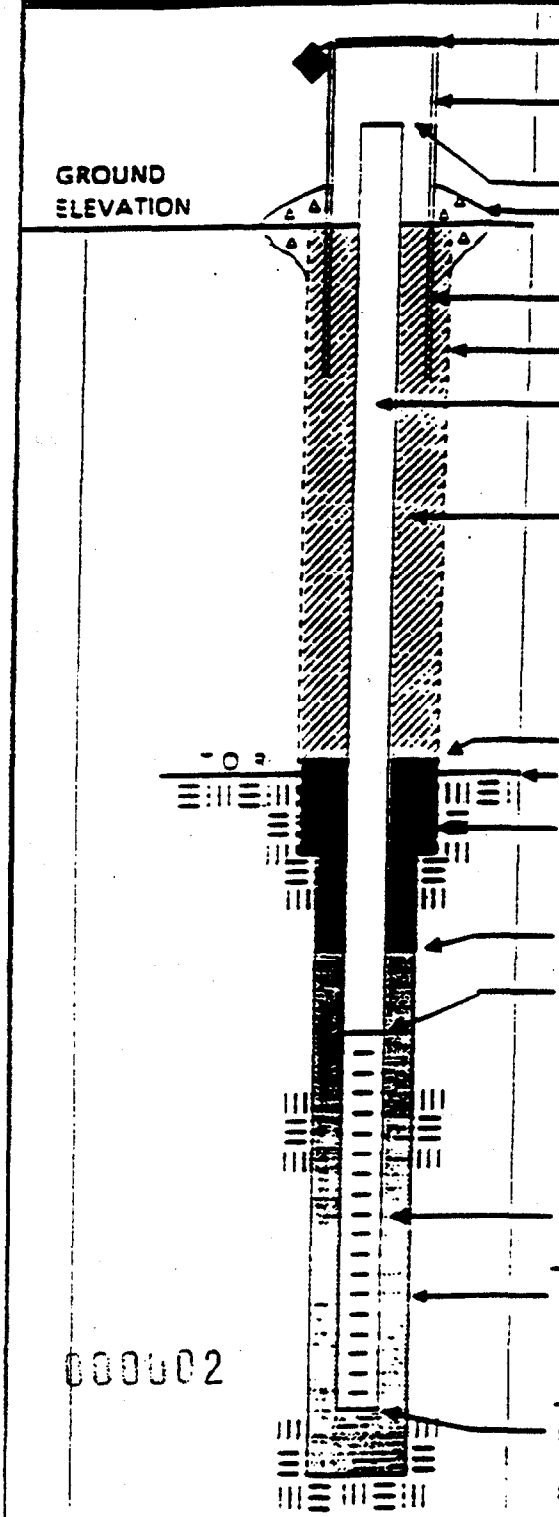
BEDROCK MONITORING WELL SHEET

WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 2LMW19S
DATE: 12-17-93

DRILLER: EAST COAST
DRILLING METHOD: Air Rotary
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING:
STICK UP OF CASING ABOVE GROUND SURFACE: 2.1'
ELEVATION TOP OF RISER: 1.94
TYPE OF SURFACE SEAL: Concrete
I.D. OF SURFACE CASING: 4"
DIAMETER OF HOLE: 8½"
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: PVC (Schedule 40)
TYPE OF BACKFILL: Grout
ELEVATION / DEPTH TOP OF SEAL: 11.5'
ELEVATION / DEPTH TOP OF BEDROCK: 17.5'
TYPE OF SEAL: Bentonite Pellets
ELEVATION / DEPTH TOP OF SAND: 13'
ELEVATION / DEPTH TOP OF SCREEN: 15'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. SCREEN: 2"
TYPE OF SAND PACK: Silica Sand
DIAMETER OF HOLE IN BEDROCK: 8½"
CORE / REAM:
ELEVATION / DEPTH BOTTOM SCREEN: 25'
ELEVATION / DEPTH BOTTOM OF HOLE: 25'

000002

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW19D
PROJECT NO.: 9594 DATE: 12-17-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: T. EVANS WAYNE LUEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth,Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2LMW19S		
							FOR LITHOLOGY TO 25'		
	5.0								
	10.0								
	15.0								
	17.5			17.5'					HIT BR @ 17.5'
	20.0								
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
8½"ϕ AIR HAMMER 0' TO 28'; 6"ϕ CASING TO 28'
5⅞"ϕ AIR HAMMER 28' TO 120'; 6"ϕ OPEN BOREHOLE 28' TO 120'

BORING 2LMW19D
PAGE 1 OF 5

* See Legend on Back

000003

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2LMW19D
PROJECT NO.: 9594 DATE: 12-17-93 DRILLER: EAST COAST THOMAS/ WAYNE LINEBERRY
ELEVATION: FIELD GEOLOGIST: T. EVANS
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		25.0								
12/17		27.5 28.0								HIT H_2O @ 27.5'±
12/18	@ 0830									
		30.0								
		35.0								
		40.0								
		45.0								
		50.0				HARD	L.GRAY	QTZITE		

REMARKS LOG CUTTINGS 50' TO 120'

BORING 2LMW19D

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* See Legend on Back

000004

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW19D
PROJECT NO.: 9594 DATE: 12-18-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
	55.0								
	60.0				HARD	GRAY	QTZ-BIO-FSPAR GNEISS		MICACEOUS
	65.0								
	70.0								LITTLE H_2O @ 70' ±
	75.0								

REMARKS

BORING 2LMW19D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW19D
PROJECT NO.: 9594 DATE: 12-18-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: T. EVANS W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
	80.0				HARD	GRAY	QTZ-BIO-FSPAR GNEISS		MICACEOUS
	85.0								
	90.0				M. HARD	D. GRAY	QTZ-BIO GNEISS		
					HARD	GRAY	QTZ-BIO-FSPAR GNEISS		
	95.0								
	100.0				HARD	GRAY	GNEISS		

REMARKS

BORING 2LMW19D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW19D
PROJECT NO.: 9594 DATE: 12-18-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: T. EVANS W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	100.0								
@ 0945	105.0								
	110.0								
	115.0				HARD	PINK	GNEISS		
					HARD	GRAY	GNEISS		
@ 1005	120.0								LET SIT 25 min
									Produces H_2O @ 1040
									(H_2O level ~4' from bottom)
									OPEN BOREHOLE
							Total Depth 120'		79' - 120'

REMARKS

BORING 2LMW19D

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* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2LMW19D

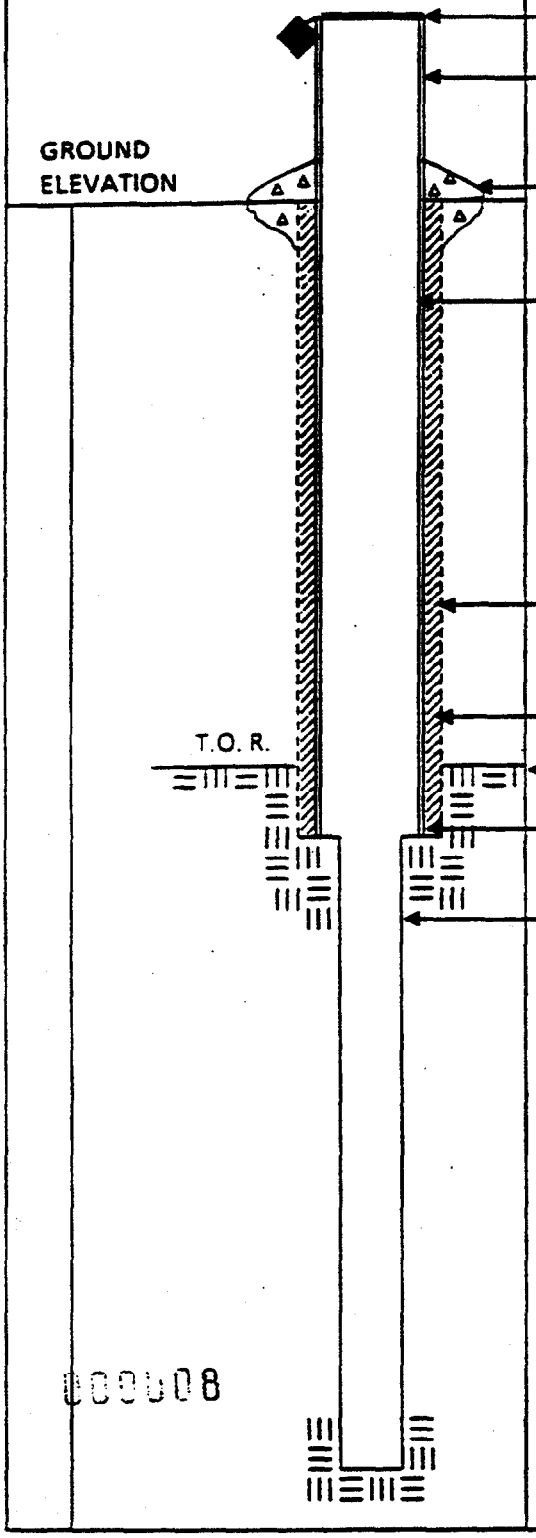
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: TIM EVANS

LOCATION: GROTON, CT.
BORING: 2LMW19D
DATE: 12-18-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 1.8'

TYPE OF SURFACE SEAL: CONCRETE PAD

I.D. OF CASING: 6"

TYPE OF CASING: STEEL

TEMP. / PERM.: PERM

DIAMETER OF HOLE: 8½"

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 20'

DEPTH TO BOTTOM CASING: 28'

DIAMETER OF HOLE IN BEDROCK: 6"

DESCRIBE IF CORE / REAMED WITH BIT:

N/A

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

N/A

ELEVATION / DEPTH OF HOLE: /120'

000008

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2L MW 20S
PROJECT NO.: 9594 DATE: 12-18-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: T. EVANS W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						ASPHALT		TOP 2"
	2.0					TAN	SAND W/SOME SILT & PEBBLES (FILL)	SM	
	5.0								
	10.0								
	11.0					BRN	SILTY SAND W/TR ORG	SM	DRY
									M-Cgr Sand
	15.0					D.BRN	SANDY SILT	ML	MOIST
									Mgr
	17.0					D.BRN	SANDY SILT W/TR ORG & PEBBLES	ML	MOIST
									MICACEOUS, Fgr Sand
	19.0				HARD	GRAY	GNEISS BOULDER	—	
	20.0								
						BRN	GRAVELLY SAND	GP	H_2O @ 17-20'
						BRN	GRAVEL	GP	(MAX Ø.2", F-Mgr Sand Poor Graded
	24.0						W/TR ORG	GP	SATURATED
	25.5						GNEISS BOULDER (?)		
	26.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
8½" Ø AIR HAMMER 0' TO 26'
2" PVC (0.010 SLOT) SCREEN 9' TO 19', SAND 7' TO 19', PELLETS 5' TO 7'
LOG CUTTINGS 0' TO 26'
HOLE CAVE-IN 19' TO 26'

BORING 2LMW20S
PAGE 1 OF 1

* See Legend on Back

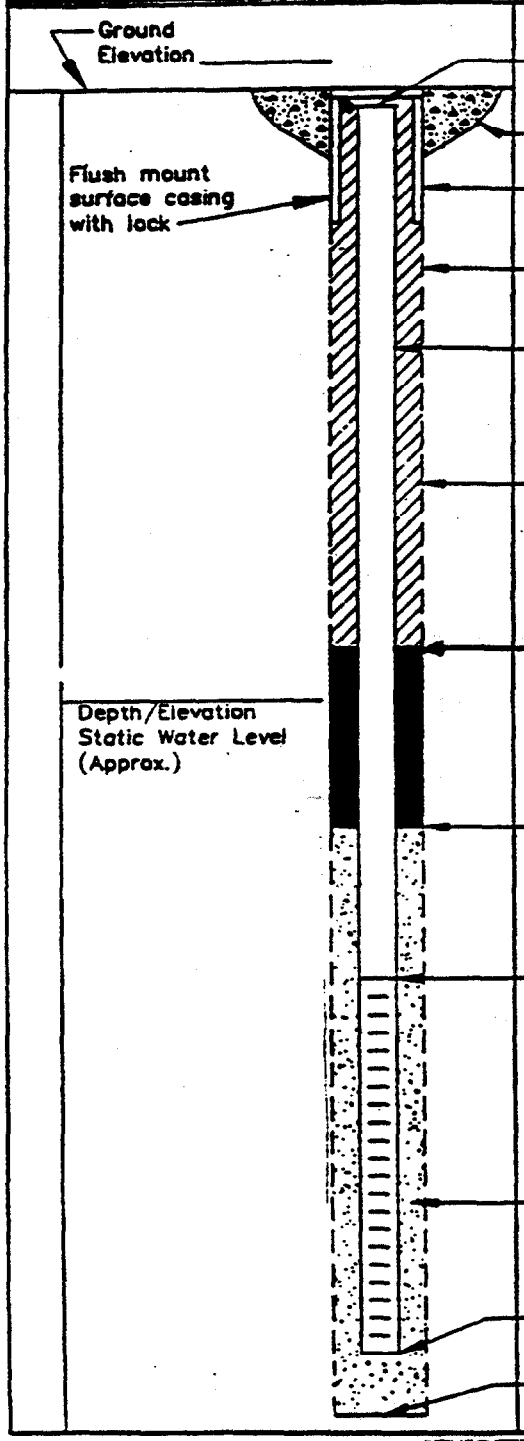
000009

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 2LMW20S

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 2LMW20S	DRILLING METHOD: Air Rotary
ELEVATION:	DATE: 12-18-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8 1/2"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: 15'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 7'

DEPTH/ELEVATION TOP OF SCREEN: 9'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010x10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 19'

DEPTH/ELEVATION BOTTOM OF SAND: 19'

DEPTH/ELEVATION BOTTOM OF HOLE: 19'

BACKFILL MATERIAL BELOW SAND: Natural

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW20D
PROJECT NO.: 9594 DATE: 12-20-93 DRILLER: EAST COAST THOMAS/ WAYNE LINEBERRY DICK SPAULDING
ELEVATION: FIELD GEOLOGIST: TIM EVANS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2LMW20S		
							FOR LITHO TO 18'		
	5.0								
	10.0								
	15.0								
							LIMITED LITHO LOGGED		
	20.0						18' TO 74' DUE TO		
							MUD ROTARY DRILLING		
12/20									LOSE MUD @ 24'
12/21	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
8 3/4" Ø MUD ROTARY 0' TO 74'; 6" Ø CASING TO 74'
5 7/8" Ø AIR HAMMER 74' TO 80'

BORING 2LM20D
PAGE 1 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW200
PROJECT NO.: 9594 DATE: 12-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	30.0								
							GRAVELLY SAND		LOSE MUD @ 34'
	35.0								
	37.0				V. SOFT	BRN	SILTY CLAY W/TR SHELL	CL	
	38.0								
					HARD	GRAY TO PINK	QTZ-BIO-FSPAR GNEISS		
	40.0								
	44.0								
	45.0								BREAK THRU ~44'-45' GNEISS
	50.0								

REMARKS

BORING 2LMW200

PAGE 2 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW20D
PROJECT NO.: 9594 DATE: 12-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
									LOSE MUD @ 34'
	55.0								
	60.0								
	65.0								
	69.0			69.0					BR? @ 69.0
	70.0								
	74.0								
	75.0								HIT H_2O @ 74.5'-74.75' (~40 gpm)

REMARKS

BORING 2LMW20D

PAGE 3 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LMW20D
PROJECT NO.: 9594 DATE: 1-5-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: T. Evans Dick S.
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								Producing ~20 gpm H_2O
	80.0				V. HARD	CLEAR	QUARTZITE	-	

REMARKS LOG CUTTINGS @ 80.0'

BORING 2LMW20D

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* See Legend on Back

BORING NO.: 2LMW20L

HALLIBURTON NUS
Environmental Corporation

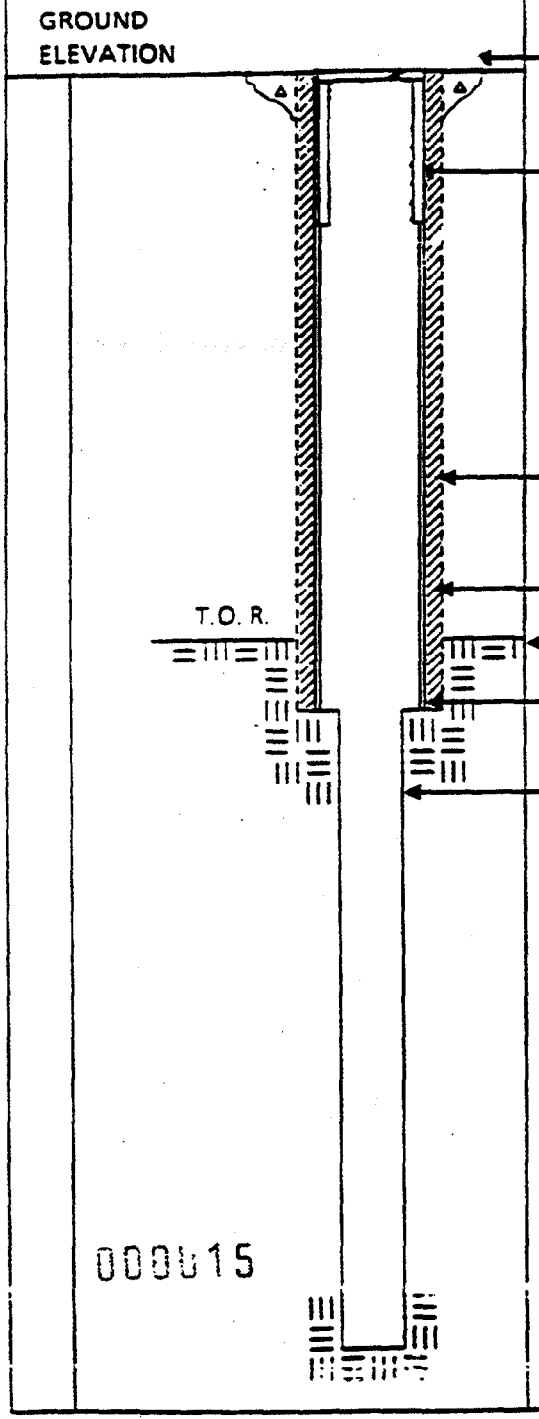
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 2LMW20D
DATE: 1-5-94

DRILLER: EAST COAST
DRILLING METHOD: Mud/Air Rotary
DEVELOPMENT METHOD:



TYPE OF SURFACE SEAL: Concrete

I.D. OF CASING: 6"
TYPE OF CASING: Steel

TEMP. / PERM.: Perm

DIAMETER OF HOLE: 8 3/4"

TYPE OF CASING SEAL: grout

DEPTH TO TOP OF ROCK: 69'

DEPTH TO BOTTOM CASING: 74'

DIAMETER OF HOLE IN BEDROCK: 6"

DESCRIBE IF CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 80'

000615

ORING LOG **HALLIBURTON NUS**

)JECT: NSB-NLON BORING NO.: 2LOW15

)JECT NO.: 9594 DATE: 2-4-94 DRILLER: EAST COAST THOMAS

EVATION: FIELD GEOLOGIST: J.P. FERGUSON

ATER LEVEL DATA :

ate, Time & Conditions) 2-4-94 OVERCAST 10°

APLE O. YPE R BD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
-1	0-2	58 / 42	1.8		V. Dense	Tan	Silty, Fine-Medium Sand	Fill	HNU-0 08:26
		30 / 21	2.0			Black	Silty, m-c Sand Tr gravel + organic matl.	Fill	Frozen: moist
S-2	2-4	53 / 45	1.4		V. Dense	Black-	Silty f-c Sand and Sandy	Fill	HNU-0 09:32
		30 / 20	2.0			Brown	f-c Gravel Tr. Wood + Ash	Fill	moist
S-3	4-6	11 / 7	.95		Loose	Tan	Silty f-m Sand	Fill	HNU-0 09:40
		3 / 11	2.0			Orange-Brown	Silty m-c Sand and Sandy f-m Gravel	Fill	Tr Rot. Glass Rusty
S-4	6-8	3 / 3	.75		Loose	Orange Brown		Fill	HNU-0 09:48
		3 / 5	2.0			Orange Brown	Wood, and metallic Debris	Fill	moist-wet
S-5	8-10	2 / 2	.25		Loose	Brown	Wood, Poor Recovery	Fill	HNU — 09:56
		3 / 3	2.0			Brown		Fill	Wet Antifreeze Gra Water
S-6	10-12	3 / 2	.25		Loose	Brown	Wood, Poor Recovery	Fill	HNU-0 10:02
		3 / 4	2.0			Brown		Fill	Wet Antifreeze Gra Water
S-7	12-14	2 / 1	2.0		Soft	Black	Micaceous, Organic Silt,	M/	HNU 0
		2 / 2	2.0			Gray-Green	mottled, tr. bivalves (white)	M/	moist
							Bottom of Boring = 15.0'		
							Installed observation well		
							screen from 4'-14' sandpack		
							3'-14'		
							Static water level @ 14:48		
							@ 15' B G S.		

REMARKS Driller: Floyd Cross Rig: CME 75 Water Sample 10:45 AM
CW-2LOW15

BORING 2LOW15

PAGE 1 OF 1

* See Legend on Back

BORING NO 2LOW.5

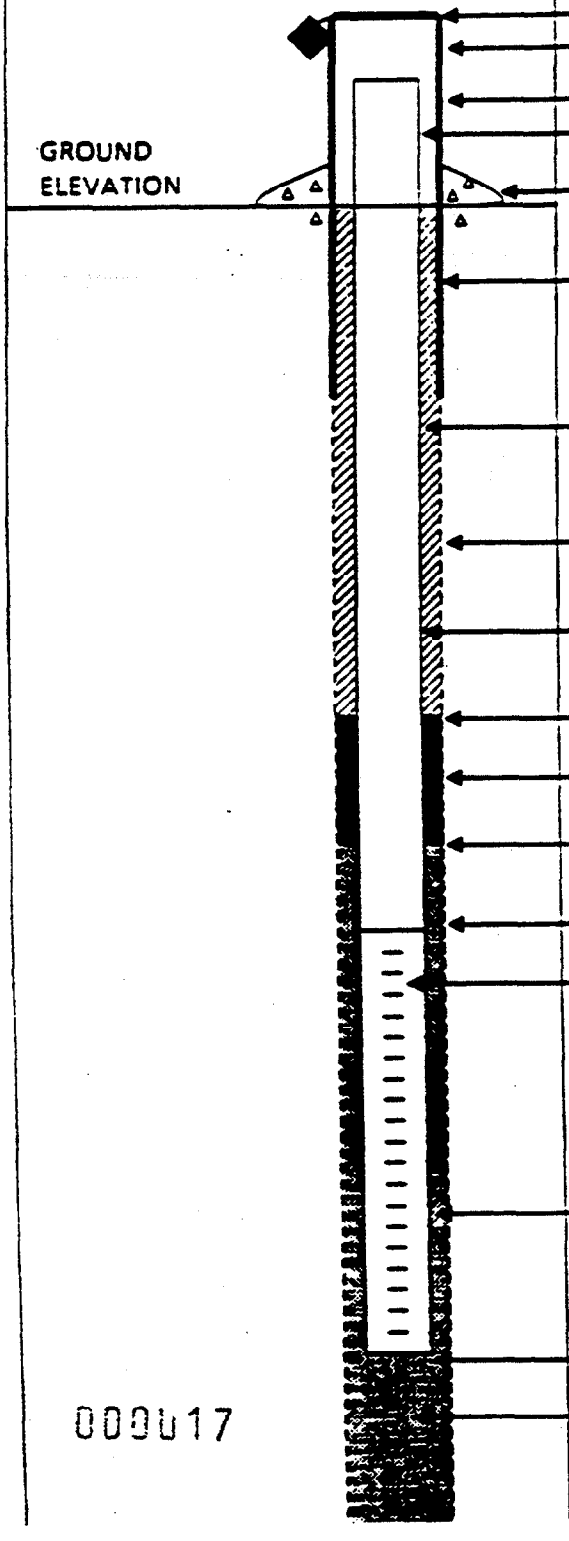
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 4594
ELEVATION
FIELD GEOLOGIST J. R. Ferguson

LOCATION Site 2 Landfill
BORING 2LOW15
DATE 2-4-94

DRILLER F. Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5
STICK - UP RISER PIPE : 2.0
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Schedule 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 - 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.6
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000017

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 2LOW1D
PROJECT NO.: 9594
DATE: 2-2-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
Date, Time & Conditions) 2-2-94 10° 12:00

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth FL)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	46 47 39 33	1.5 2.0		V. Dense	Brown	Silty Fine - medium Sand Silty	Fill	HNU - 0 12:18
						Black	Gravelly Fine - Medium Sand + Asph	Fill	glass, charred, green plastic
S-2	2-4	7 19 28 24	.60 2.0		Dense	Brown-Black	Silty Sandy Gravel, green	Fill	HNU - 0 12:26
						Black	plastic material, wire	Fill	
S-3	4-6	39 50/6 30/0	.35 1.0		V Dense	Black	Silty Bituminous Sand BR. Glass	Fill	HNU - 2 ▽ 12:36
									MOIST - WET
	6-8						No Sample Boulders		
S-4	8-10	20 29 32 38	1.5 2.0		V. Dense	Brown	Wood	Fill	HNU - 2 12:50
						Brown		Fill	WET
S-5	10-12	2 3 3 3	.35 2.0		Loose	Brown	Medium - Coarse Sand and	SP/MP	HNU-0 (Fill) 13:00
						Brown	Fine - Medium Gravel	SP/MP WET	TOOK WATER SAMPLE ATIFREEZE GREEN Color
S-6	12-14	2 2 2 3	1.8 2.0		Soft	Green-Gray	Organic Clayey Silt,	ml	HNU - 0 13:10
						Green-Gray	Micaceous, mottled	ml	Moist
S-7	14-16	2 3 3 2	1.0 2.0		M. Stiff	Green Gray	Organic, micaceous Clayey	ml	HNU - 0 14:03
						Green-Gray	silt mottled Trwhite brown	ml	moist
S-8	16-18	1 2 2 1	1.5 2.0		Soft	Green-Gray		ml	HNU - 0 14:12
						Green-Gray		ml	MOIST
S-9	18-20	W O R 2	1.65 2.0		V. Soft	Green-Gray		ml	HNU - 0 14:20
						Green-Gray		ml	MOIST
S-10	20-22	W O R 2	1.8 2.0		V. Soft	Green-Gray		ml	HNU - 0 14:25
						Green-Gray		ml	MOIST
S-11	22-24	W O R 2	1.7 2.0		V. Soft	Green Gray		ml	HNU - 0 14:35
						Green-Gray		ml	MOIST
S-12	24-26	W O R	1.8					ml	HNU - 0 14:40

REMARKS Driller: Floyd Cross Rig: CME 75 4¼ ID Augers for Sampling 3" Ø Split Barrel Sampler. 1 HR Standby - water sample 2 HR Standby 15:00-17:00 Conference SJC ASC JPO JRF RE: TMR

BORING 2LOW1D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2LOWID
PROJECT NO.: 9594 DATE: 2-2-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-2-94 15° OVERCAST

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		8 / 15	2.0		LOOSE	TAN-OR. BRN	MICACEOUS SILTY VF-F SAND IRONSTIFF BANDING	SM	WET
S-13	26-28	8 / 15	1.1		DENSE	TAN	FINE-COARSE QUARTZO-	SP	HNU-0 14:51
		31 / 35	2.0			TAN	FELDSPATHIC SAND	SP	WET
S-14	28-29.25	5 / 13			V. DENSE	TAN	FINE-COARSE QUARTZO-feldspath. Sand	SP	HNU-0 15:00
S-15	29.25-.5	50/2 / 100/2	1.25		V. DENSE	PINK-BLACK	WEATHERED BIOTITE GNEISS	WEAT	IN TIP OF SAMPLER
							BOTTOM OF BORING: 29.25'		

REMARKS TOP OF ROCK 29.25'

BORING 2LOWID

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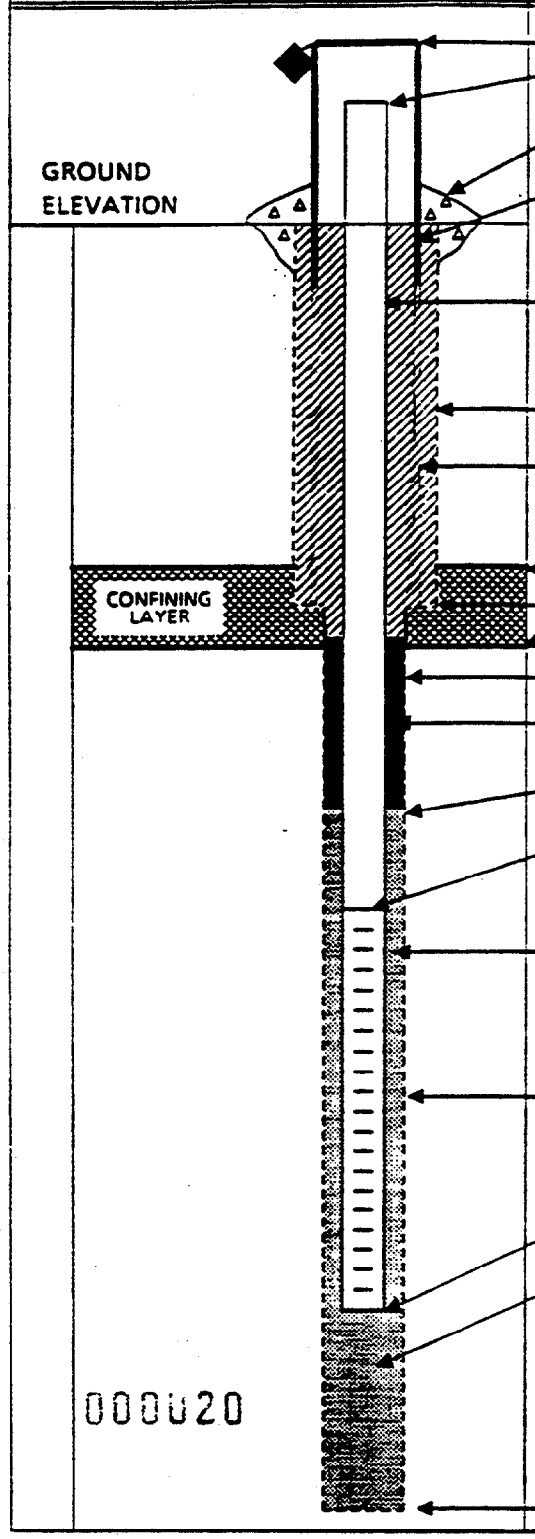
* See Legend on Back

BORING NO 2LOW1D

Halliburton NUS CORPORATION

CONFINING LAYER MONITORING WELL SHEET

PROJECT NSB New London	LOCATION Site 2 Landfill	DRILLER F. Cross
PROJECT NO. 9594	BORING 2LOW1D	DRILLING METHOD Hollow Stem Augers
ELEVATION	DATE 2-3-94	DEVELOPMENT METHOD Surge / Pump
FIELD GEOLOGIST J.R. Ferguson		



ELEVATION OF TOP OF PERM. CASING: 2.5'
ELEVATION OF TOP OF RISER PIPE: 2.0'

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF PERM. CASING: 6"
TYPE OF SURFACE CASING: STEEL

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 8 1/2"

PERM. CASING I.D. NA
TYPE OF CASING & BACKFILL: Portland Cement

ELEVATION / DEPTH TOP CONFINING LAYER: 12.0
ELEVATION / DEPTH BOTTOM OF CASING: NA
ELEVATION / DEPTH BOT. CONFINING LAYER: 25.0

ELEVATION / DEPTH TOP OF SEAL: 14.0
TYPE OF SEAL: Bentonite Pellet

DEPTH TOP OF SAND PACK: 22.0

ELEVATION/DEPTH TOP OF SCREEN: 23.75
TYPE OF SCREEN: Sch 40 PVC

TYPE OF SAND PACK: #2 Silica

BOREHOLE DIA. : 8 1/2"

ELEVATION / DEPTH BOTTOM OF SCREEN: 28.75

ELEVATION / DEPTH BOTTOM OF SAND PACK: 29.50
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

ELEVATION / DEPTH OF HOLE: 29.50

000020

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 2LOW25
PROJECT NO.: 9594
DATE: 2-3-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-3-94 OVERCAST 10°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	44 / 40	1.8		V. Dense	Brown-Black	Silty, Gravelly Sand, Ash	Fill	HNU-0 11:54
		32 / 18	2.0			Brown-Black	and Rubble Fill Tr Brick, glass	Fill	moist Tr Wood
S-2	2-4	18 / 13	1.6		M. Dense	Brown	Silty, med.-Coarse Sand, Concrete	Fill	HNU-0 11:58
		19 / 8	2.0			Brown	and Brick Fill	Fill	moist
S-3	4-6	6 / 9	1.5		M. Dense	Brown	Silty med-Coarse Sand - Gravel	Fill	HNU-0 12:05
		6 / 6	2.0			Brown	Some Wood Fragments	Fill	moist Tr Copper Pipe
S-4	6-8	8 / 11	1.3 ▽		V. Dense	Brown	Silty med-Coarse Sand / med-Coarse	Fill	HNU-2 ▽ 12:18
		50 / 60	2.0			Brown	Gravel Concrete Brick Metallic Debris	Fill	moist
S-5	8-10	17 / 4	.6		M. Dense	Brown	Fine-Coarse Sand, Tr-Little	Fill? SW	HNU-0 12:49
		6 / 7	2.0			Brown	med. Coarse Gravel	Fill? SW	WET
S-6	10-12	5 / 2			Loose - Med. Stiff	Gray-Black	Silty, Sandy, Gravel - Globbe	Fill	HNU-2 12:54
		3 / 3	2.0			Gray-Black	Like App. Organic Micaceous Silt	ml	WET
S-7	12-14	1 / 1			Soft	Gray-Black	Micaceous Organic Silt,	ml	HNU-0 13:00
		2 / 1	2.0			Green-Gray	Trace with bivalves	ml	MOIST
							Bottom of Boring: 14.6'		
							Abandoned initial hole and offset		10' since augers
							had drifted out of plumb ≈ 30°		
							Installed observation well from		STATIC AFTER 50 minutes
							4' to 14'		within augers 10.25' DTW

REMARKS Driller: Floyd Cross Rig: CME 75 5" ø Split Barrel Sampler
13:00 Standby for water level.

BORING 2LOW25

PAGE 1 OF 1

* See Legend on Back

BORING NO 2LOW25

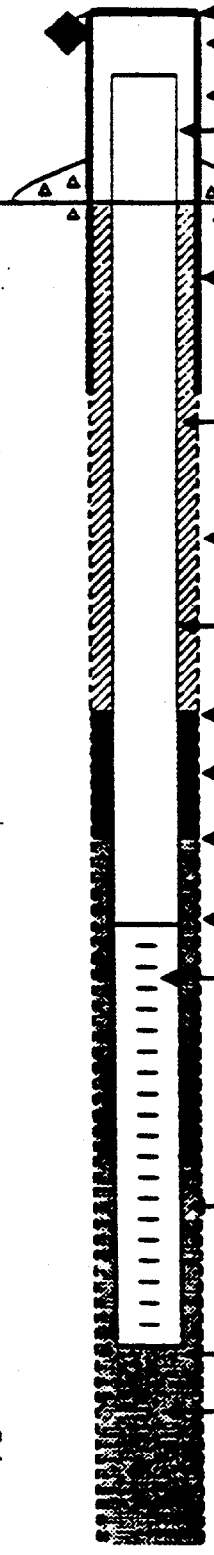
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 2 Landfill
BORING 2LOW25
DATE 2-3-94

DRILLER F. Cross
DRILLING METHOD Hollow Stem Augers
DEVELOPMENT METHOD Surge/Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5
STICK - UP RISER PIPE : 2.0
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: Steel
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000022

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2LOW35
PROJECT NO.: 9594 DATE: 2-3-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. Ferguson
WATER LEVEL DATA:
(Date, Time & Conditions) 2-3-94 Partly Sunny 10°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	95 / 119	1.65		V. Dense	Brown	Silty F-C Sand, some Fine	Fill	HNU 0 14:58
		56 / 38	2.0			Brown	Gravel Tr Brick Fragments	Fill	Frozen
S-2	2-4	26 / 24	1.5		Dense	Brown	Silty F-C Sand Little-Some	Fill	HNU 0 15:06
		9 / 10	2.0			Brown	Med. Gravel, Tr Brick Frags.	Fill	Moist
S-3	4-6	14 / 10	—	No Recov.	M. Dense		No Recovery		HNU — 15:15
		11 / 11	2.0						
S-4	6-8	5 / 6	1.2		Loose	Brown	Silty F-C Sand, Little Fine	Fill	HNU -0 15:20
		4 / 6	2.0			Brown	Gravel, Organic Silt at 7.75	Fill	Moist-Wet
S-5	8-10	2 / 3	1.5 ▽		Loose	Brown	Silty, F-C Sand and F-C gravel	Fill	HNU -3 15:25
		4 / 7	2.0			Brown	trace wood Fill	Fill	Wet
S-6	10-12	2 / 2	1.8		Loose	Black-Gray	Micaceous Organic Silt black	ml	HNU -0 15:29
		6 / 3	2.0			Green-Gray	mottling, sulfur odor	ml	Wet (upper) moist matrix
S-7	12-14	1 / 1	1.8		V. Soft	Green-Gray		ml	HNU -0 15:32
		1 / 2	2.0			Green-Gray		ml	Moist
							Bottom of Boring = 14.0'		
							Installed observation well from		
							3.0' to 13.0' (10' - .010 slot		
							PVC well screen)		

REMARKS Driller: Floyd Ross Rig: CME 75 3" ϕ split barrel sampler.

BORING 2LOW35

PAGE 1 OF 1

* See Legend on Back

BORING NO 21OW35

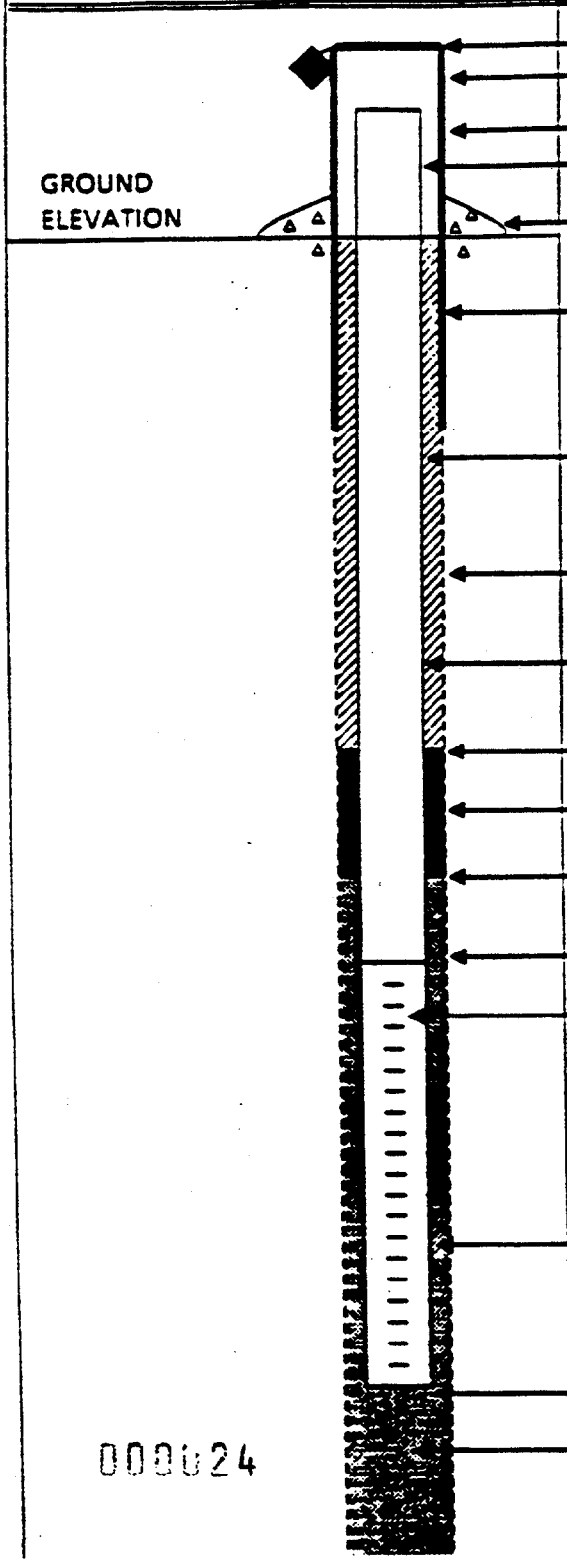
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 0594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 2 Landfill
BORING 21OW35
DATE 2-3-94

DRILLER F Cross
DRILLING METHOD Hollow Stem Augers
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5
STICK - UP RISER PIPE : 2.0
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2
TYPE OF BACKFILL: N A
ELEVATION / DEPTH TOP OF SEAL: 1.0
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 2.0
ELEVATION / DEPTH TOP OF SCREEN: 3.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica
ELEVATION / DEPTH BOTTOM OF SCREEN: 13.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000024

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 2LOW45
PROJECT NO.: 9594
DATE: 2-5-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-5-94 20° OVERCAST

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (DEPTH, FT.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	— —	—		V. Dense	Brown	Silty Fine-Coarse Sand and	SW/GW	HNU-0 Augers cuttings
		— —	—			Brown	Fine-med Gravel	Fill	Frozen
S-2	2-4	11 19	1.3		Dense	Black	Silty Sandy Fine-Coarse	Fill	HNU-0 08:17
		24 15	2.0			Black	Sand and Gravel Tr undef Fill	Fill	Moist
S-3	4-6	30 45	1.4		V. Dense	Brown	Silty, Fine-Coarse Sand and	Fill	HNU-0 08:28
		27 15	2.0			Brown	Fine-Coarse Gneissic Gravel	Fill	Moist-wet
S-4	6-8	10 5	.58		Loose	Brown Gray	Silty F-C Sand and Concrete Fill	Fill	HNU-2 08:40
		4 3	2.0			Black	Organic Clayey Silt (mottled)	ml	Moist
S-5	8-10	2 2	1.4		M Stiff	Green-Gray		ml	HNU-0 08:49
		2 2	2.0			Green-Gray		ml	Moist
S-6	10-12	2 2	1.5		Soft	Green-Gray		ml	HNU-0 08:54
		1 1	2.0			Green-Gray		ml	Moist
S-7	12-14	2 1	1.3		M Stiff	Green-Gray		ml	HNU-0 09:00
		4 1	2.0			Green Gray		ml	Moist
							Bottom of Boring: 14.0'		
							Observation well installed screen		
							installed from 4'-14'. Sandpack		
							3'-14'		

REMARKS Driller: Floyd Cebs Rig: CME 75 3" Ø Split Barrel Sampler

BORING 2LOW45

PAGE 1 OF 1

* See Legend on Back

BORING NO 2LOW-5

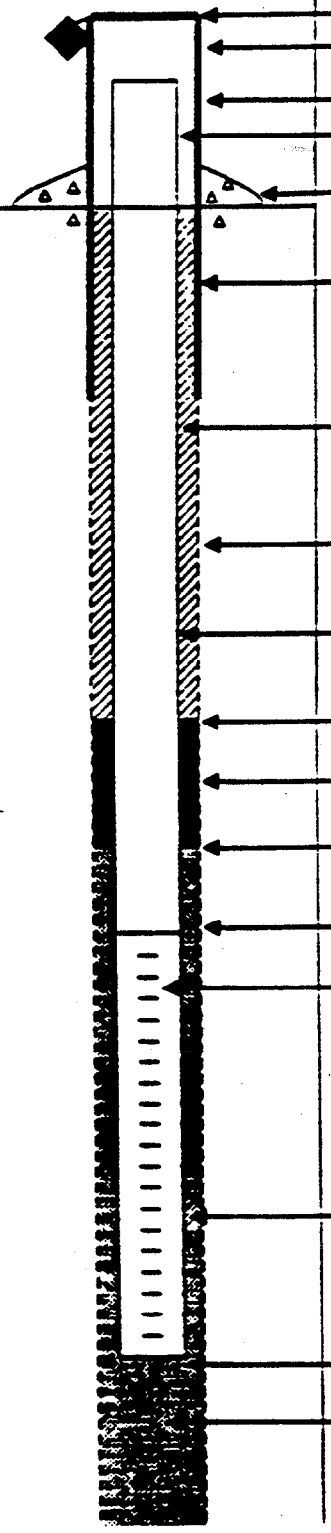
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J R. Ferguson

LOCATION Site 2 Landfill
BORING 2LOW4S
DATE 2-5-95

DRILLER F. Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5
STICK - UP RISER PIPE : 2.0
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2 "
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: Schedule 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA

000026

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 2LPW 15
PROJECT NO.: 9594 — DATE: 2-4-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-4-94 15°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0-2	65 / 50	1.5		V. Dense	Brown	Silty F-C sand and F-C	Fill	HNU-0 12:55
		40 / 30	2.0			Brown	Gravel, Tr. Glass, wood, metal	Fill	Moist
	2-4	100/2"	—		V. Dense	—	No Recovery	Fill	HNU — 13:05
			—			—		Fill	—
3	4-6	4 / 6	1.2		M. Dense	Black	Silty F-C sand. Silty F-C Gravel	Fill	HNU (as above) 13:10
		5 / 5	2.0			Brown	Silty M-C Sand Tr. Fine gravel	Fill	Moist (Appears as clean fill)
4	6-8	13 / 97	1.0		V. Dense	Brown	Silty F-M Sand and Sandy F-M	Fill	HNU-0 13:20
		21 / 5	2.0			Brown	Gravel (gneissic)	Fill	moist-wet
5	8-10	2 / 4	.50		Loose	Brown-Black	Silty F-C Sand and Gravel	Fill	HNU-0 13:27
		5 / 35	2.0			Black	with wood Fill Throughout.	Fill	wet
5-6	10-12	17 / 10	1.10		M. Dense	Black	↓ ↓	Fill	HNU-0 wet 13:33
		3 / 3	2.0		Stiff	Black	Organic Micaceous Silt	ml	moist
5-7	12-14	1			V. Soft	Green-Gray	tr. with bivalves	ml	HNU-0
		1 / 1	2.0			Green-Gray	↓ ↓	ml	moist
							Bottom of Boring = 14.0'		
							Cross sampled with 4¼ Ø-8½ o.d.		
							augers. For Pumping well he will		
							remove Augers and then auger		
							to depth with 8¼" Ø-12" o.d.		
							Augers		
							Screen depth 4'-14', Sand-		
							pack 3'-14'.		

REMARKS Driller: Floyd Cross Rig: CME 75

BORING 2LPW 15

PAGE 1 OF 1

* See Legend on Back

BORING NO 2LPW15

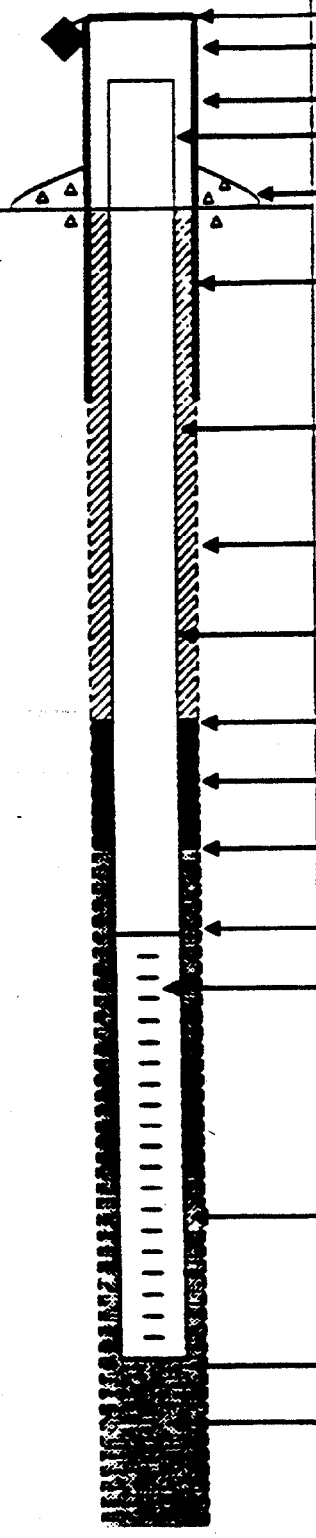
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J R Ferguson

LOCATION Site 2 Landfill
BORING 2 LPW15
DATE 2-4-94

DRILLER T Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5'
STICK - UP RISER PIPE : 2.0'
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 6"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 12 1/4"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0'
ELEVATION / DEPTH TOP OF SCREEN: 4.0'
TYPE OF SCREEN: SCHEDULE 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 6" Ø
TYPE OF SAND PACK: #2 SILICA
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 SILICA SAND

000028

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2LTB13
PROJECT NO.: 9594 DATE: 12-3-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TJE
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	14 / 25	2.0/2.0		V. Dense	TAN	SILTY SAND w/ GNEISS FRAGS	SM	Fill 0 ppm
0818	2.0	36 / 40						SM	
S-2		65 / 72	1.0/2.0		V. Dense	GRAY	SILTY SAND w/ ROCK FRAGS	SM	FILL 0 ppm
0828	4.0	20 / 19						SM	→ MOVED ~10' EAST @ 1½' 10.2 ppm CREOSOTE (OIL?)
S-3		12 / 13	0.8/2.0		M. Dense	BRN	SILTY SAND w/GRAVEL	SM	BZ 0 ppm 0859 → MOVED ~10' SOUTH 0 ppm
0915	6.0	10 / 10							No sample 4'-6' (POOR RECOVERY)
S-4		12 / 20	2.0/2.0		Dense	D.BRN	SANDY GRAVEL w/TR ORG	SW	WET 0 ppm
0920	8.0	14 / 15							LANDFILL AVG ϕ ~0.1" → MOVED ~5' SE
									BZ 0 ppm 0938
							HSA TO 8'		
							SS TO 8'		
							4 SAMPLES		
									Refusal @ 4'
									1½' (10'SE)
									8' (10'SW)
									4' (5'S)

REMARKS CME 75 HSA RIG
4¼" ID AUGERS
3" SS TO SAMPLE

BORING 2LTB13

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2LTB23
PROJECT NO.: 3594 DATE: 12-3-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	6 / 10	2.0/2.0		M. Dense	TAN TO MAROON	SAND / BRICK, WOOD NAILS		FILL 0 ppm
1102	2.0	14 / 20					FRAGS!		LANDFILL 1.5 → 2.0'
							(BOULDERS)		NO SAMPLE DUE TO
	4.0						-		BOULDERS 2'-4'
S-2		10 / 14	1.8/2.0		M. Dense	GRAY TO	SILTY SAND & GNEISS FRAGS /	SM	0 ppm
1116	6.0	16 / 19				BLACK	SILT (ASH?)		LITHO @ 5.6'
S-3		16 / 15	1.6/2.0		M. Dense	BLACK TO	SANDY SILT W/GLASS, BRICK /	ml	0 ppm
1120	8.0	15 / 14				RED BRN	CLAY W/ ORG		GREEN & RED XTLS? @ 7.5'
S-4		3 / 3	0.8/2.0		Loose	BRN	SILTY SAND W/ GNEISS, GLASS FRAGS	SM	0 ppm
1127	10.0	3 / 3							
S-5		2 / 1	2.0/2.0		V. Loose -	D. BRN	GRAVEL W/ BRICK FRAGS /	GM	WET SULFUR ODOR 0 ppm
1132	12.0	? / 2			Soft		CLAYEY SILT W/TR SHELL	ml	LANDFILL TO 10.5' LITHO @ 10.5'
			0.0/2.0				?		NO RECOVERY
1143	14.0								
S-6		2 / 1			V. Soft	D. BRN	CLAYEY SILT W/TR SHELL	ml	SULFUR Odor 0 ppm
1150	16.0	1 / 1							WEIGHT OF HAMMER
							HSA TO 14'		
							SS TO 16'		
							6 Samples		

REMARKS CME 75 HSA RIG
4 1/4" ID AUGER
3" SS TO SAMPLE

BORING 2LTB23

PAGE 1 OF 1

* See Legend on Back

000030

APPENDIX A.3

SITE 2 - AREA A WETLAND

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW5D
PROJECT NO.: 9594 DATE: 3-2-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						See Atlantic Boring		
							Log 2WMW5S for		
							Litho to 13.0'		
	5.0								
	10.0								
	13.0								
S-1 @		1 31	1.1/1.5		V Dense	Gray	Sand w/Tr Silt & Mica	SW	Wet M to VCGr
12.36	14.5	100/.5		BR			Gravel	BR	Gravel - Pebbles
2.35/2.35	①	100%	2.35/2.5			Gray	Bio-Gneiss		Hi & Frac 15', 16.5' Break 15.5'
17.0									Weathered 16.5'-17'
18.0									3 7/8" Rollerbit to 18'
3/2 3/5								Br	Broken to 18.5', 20.2'
2.4/3.5	②	68.5%	3.5/4.0			Gray	Bio Gneiss	VBr	Hi & JNT 20', 20.1', 20.8' 20.9', 21.1', 22'
								Br	Lo & Frac 19.2', 20.3'
									Sft in Fracs @ 19.2', 20.8' 20.9
								Br	Spun 4" Casing to 19.0'
1.7/1.7	③	100%	1.7/3.0			Gray	Bio Gneiss	M	Hi & Frac 22.0', 23.0', 23.7'

REMARKS Diedrich D-50 HSA Rig (Bombadier - Mounted)
2" x 24" SS (140# Wt, 30" Drop, Cat Head)
4 1/4" ID, 8" OD Auger; 4" Spun Casing; HQ Core

BORING 2WMW5D
PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WMW5D
PROJECT NO.: 9594 DATE: 3-5-94 DRILLER: EAST COAST THOMAS/ Tim Sabo
ELEVATION: FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
25.0								M	Hi % Frac @ 26.0', 26.4', 28.4', 28.3', 29.0'
4.7/5.0	(1)	82%	5.7/4.0			Gray	Bio Gneiss	↓	Lo % Frac @ 26.3'
								Br	Break 25.3'
29.0								↓	
							- Total Depth 29.0' -		
							Screen 17.5' - 27.5'		→ 2" PVC Schedule 40
							Sand 16.7' - 27.5'		→ 3/4 - 100# Bag Ottawa Sand
							Pellets 0' - 16.7'		→ 3 - 50# Bag Bentonite Plug
							Natural Fill 27.5' - 29'		→ Sand

REMARKS

BORING 2WMW5D

PAGE 2 OF 2

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

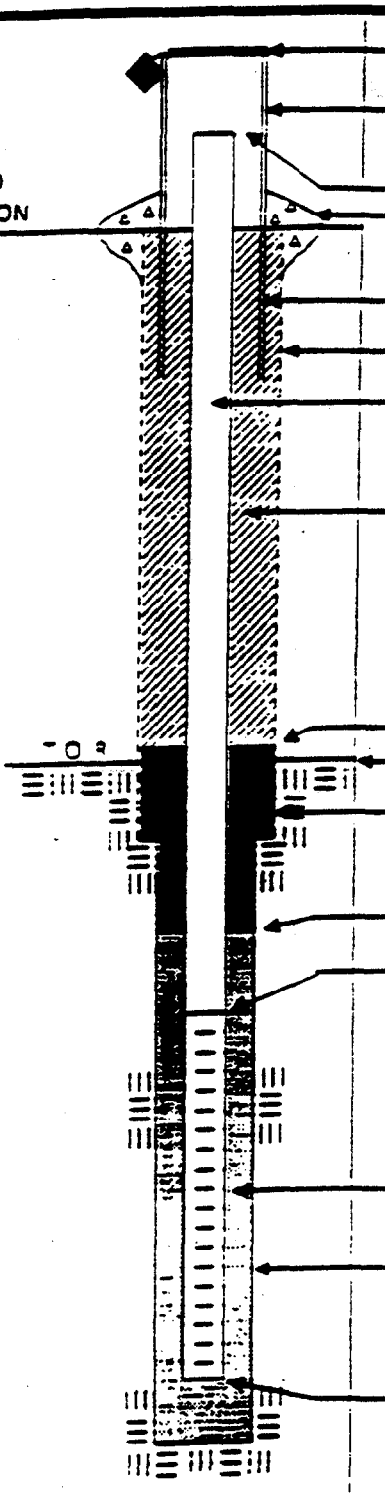
BORING NO 2WMW5D

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST

LOCATION GROTON, CT
BORING 2WMW5D
DATE 3-7-94

DRILLER EAST COAST
DRILLING METHOD Core
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING:

STICK UP OF CASING ABOVE GROUND SURFACE:

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 4"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC (Schedule 40)

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: /1.0'

ELEVATION / DEPTH TOP OF BEDROCK: /14.5'

TYPE OF SEAL: Bentonite Plug

ELEVATION / DEPTH TOP OF SAND: /16.7'

ELEVATION / DEPTH TOP OF SCREEN: /17.5'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: Ottawa Sand

DIAMETER OF HOLE IN BEDROCK: 4"

CORE / REAM: 3"/16" d, 14.5' - 27.5'

ELEVATION / DEPTH BOTTOM SCREEN: /27.5'

ELEVATION / DEPTH BOTTOM OF HOLE /27.5'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW215
PROJECT NO.: 9594 DATE: 11-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / N. LINGBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	6 / 10	1.3/2.0		M. Dense	Brn	Silty Sand, some Gravel	SM	0 ppm, moist
@ 0900	2.0	12 / 10							Road Fill
S-2		10 / 10	1.0/2.0		M. Dense	Brn	Sand and Gravel	GW	0 ppm, moist
	4.0	4 / 3		4.0					Max ϕ 1", Road Fill
S-3		0 / 0	0.0/2.0		V. Soft		Clayey Silt		Hit H_2O ~4'-6'
	6.0	0 / 0		5					
S-4		0 / 0	1.8/2.0		V. Soft	D. Brn	Clayey Silt, Tr Roots	ML	0 ppm, wet
	8.0	0 / 0							Sulfur Odor
S-5		0 / 0	2.0/2.0		V. Soft	Gray Brn	Clayey Silt, Tr Shells	ML	0 ppm, wet
	10.0	0 / 0							Sulfur Odor
S-6		0 / 0	0.3/2.0		V. Soft	Gray Brn		ML	0 ppm, wet
	12.0	0 / 0							Sulfur Odor
S-7		0 / 0	1.3/2.0		V. Soft	Gray Brn		ML	0 ppm, wet
	14.0	0 / 0							Sulfur Odor
S-8		0 / 0	1.9/2.0	15	V. Soft	Gray Brn		ML	0 ppm, wet
@ 1030	16.0	0 / 1		16.0					Sulfur Odor
							HSA TO 15'		SCREEN 5-15
							S.S. TO 16'		SAND 4-15
									PELLETS 2-4

REMARKS CME 75 HSA RIG
4 1/4" ϕ 10 Auger
2" SS to sample (140# Wt, 30" Drop)

BORING 2WMW215
PAGE 1 OF 1

* See Legend on Back

BORING NO 21WMW21S

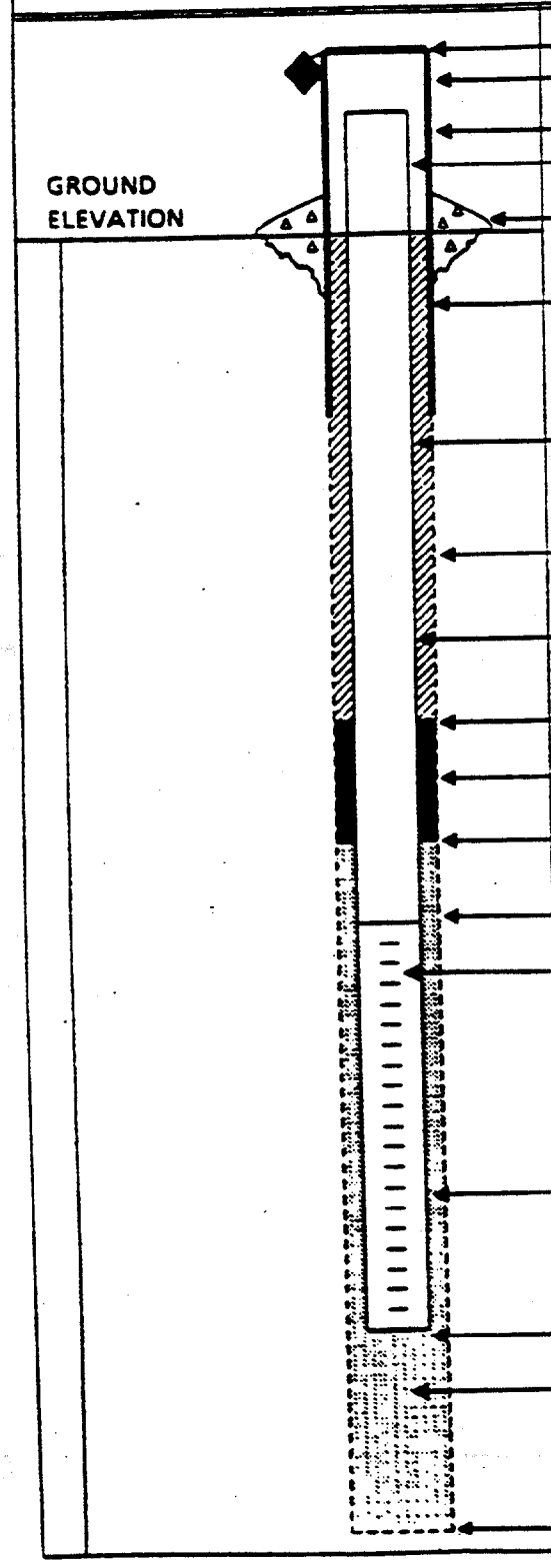
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST SJC / TSE

LOCATION GROTON, CT.
BORING 21WMW21S
DATE 11-7-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.2'
STICK - UP RISER PIPE : 2.1'
TYPE OF SURFACE SEAL: CONCRETE PAD
I.D. OF SURFACE CASING: 4" ϕ
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2" ϕ
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: CONCRETE
ELEVATION / DEPTH TOP OF SEAL: /2'
TYPE OF SEAL: BENTONITE CHIPS
DEPTH TOP OF SAND PACK: 4'
ELEVATION / DEPTH TOP OF SCREEN: /5'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. OF SCREEN: 2" ϕ
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: /15'
ELEVATION / DEPTH BOTTOM OF SAND PACK: /15'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: /15'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW21D
PROJECT NO.: 9594 DATE: 11-3-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / W. LINGERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2WMW21S		10½" ø AIR HAMMER
							FOR LITHOLOGY TO 16'		FROM 0 TO 29'
									SET CASING @ 28'
	5.0								
	10.0								
	15.0								
	20.0								
	23.0			23.0					HIT BEDROCK @ 23.0
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG

BORING 2WMW21D

PAGE 1 OF 5

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 2W MW21D
PROJECT NO.: 9594 — DATE: 11-5-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: SJC / TSE / W. LINEBERRY
WATER LEVEL DATA:
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	SOIL DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
11/3		25.0								
11/5										CAS AT 28'
										START NX CORE @ 32'
		30.0								ON 11/15 DRILLED
										OUT GROUT @ 20'
										THEN CLEANED OUT
11/5	32.0						GRAY			TO 32'.
11/15	0/2.0		0%			HARD	TO PINK	GNEISS - GRANITE.	VBR	① 1430 → 1500
	34.0	①		0.5/2.0					BR	POOR REC.
									BL	② 1510 → 1610
									BR	35.8-36.0' HI & JNT.
	2.8/5.0	②	76%	4.4/5.0		HARD	PINK & GRAY	GNEISS - SOME		36.4-37.2' HI & JNT
								GRANITE SEAMS		37.5' HI & JNT
11/15	39.0									
11/16									VBR	③
									BL	40.2-40.3 LO & FRAC 40.6-40.8 HI & JNT
	2.6/4.0	③	65%	3.1/4.0		HARD	GRAY W/PINK	GNEISS - SOME GRANITE	BR	41.6-41.8 HI & JNT
11/16	43.0							SEAMS		(See photo)
11/17										5 7/8" Ø AIR HAMMER
		45.0								FROM 43' TO 123'
										LITTLE H_2O
										FROM 43' TO 93'
		50.0								

REMARKS: NX CORE OD 3" THEN REAM TO 5 7/8" Ø
LOG CUTTINGS FROM 43' TO 123'

BORING 2WMW21D

PAGE 2 OF 5

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW21D
PROJECT NO.: 9594 DATE: 11-17-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
					↓	↓	↓		
	53.0				Hard	Gray	GNEISS		1338 → 1401 53' to 63'
	55.0								
	60.0								
					↓	↓	↓		
	63.0				Hard	Gray	GNEISS		
	65.0								
	70.0								
					↓	↓	↓		
	75.0				Hard	Gray			
	75.0				↓	↓	↓		

REMARKS

BORING 2WMW21D

PAGE 3 OF 5

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW21D
PROJECT NO.: 9594 DATE: 11-17-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
	80.0								
	83.0				Hard	D. Gray to Black	GNEISS		1625→1637 83' to 93'
	85.0								
	90.0								
	93.0				Hard	Gray	GNEISS		1637→1651 93' to 103'
									Hit H_2O zone @ 93'
	95.0								
	100.0								

REMARKS

BORING 2WMW21D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW21D
PROJECT NO.: 9594 DATE: 11-17-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		100.0								
11/17		103.0				Hard	Gray	GNEISS		
11/18										
		105.0								
		110.0								
		113.0				Hard	Gray to Black	GNEISS		
										Est. 5-7 gpm H_2O
		115.0								
								10½" Air Rotary 0' - 32'		6" ø Casing @ 28'
								Core (3" OD) 32' - 43'		6" ø Open Borehole
		120.0						5⅞" Air Rotary 43' - 123'		32' to 123'
		123.0								
								Total Depth 123'		

REMARKS

BORING 2WMW21D

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* See Legend on Back

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HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2WMW21D

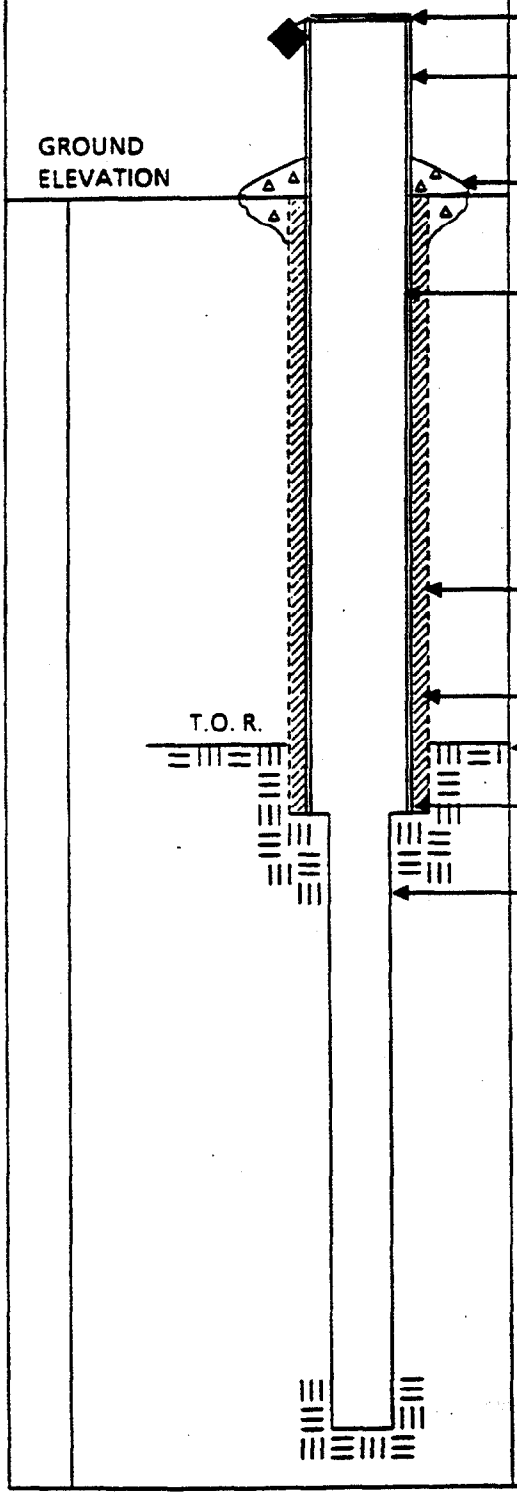
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: SJC/TSE

LOCATION: GROTON, CT
BORING: 2WMW21D
DATE: 11-18-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY/NX CORE
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 1.25'

TYPE OF SURFACE SEAL: NATURAL

I.D. OF CASING: 6" ϕ

TYPE OF CASING: BLACK STEEL

TEMP. / PERM.: PERM

DIAMETER OF HOLE: 10" ϕ

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 23'

DEPTH TO BOTTOM CASING: 32'

DIAMETER OF HOLE IN BEDROCK: 6" ϕ

DESCRIBE IF CORE / REAMED WITH BIT:
GNEISS W/ GRANITE SEAMS

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

HIGH ∡ JNT 35.9'	LOW ∡ FRAC 40.2'
HIGH ∡ JNT 37.0'	HIGH ∡ JNT 40.7'
HIGH ∡ JNT 37.5'	HIGH ∡ JNT 41.7'

ELEVATION / DEPTH OF HOLE: /123'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-19-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0					BRN	CLAYEY SILT (topsoil)	CL	8½" ⌀ AIR HAMMER
									FROM 0' TO 38'
									SET CASING @ 38'
	4.0				HARD	PINK	GNEISS Boulders	—	
	5.0								NO H_2O 0' to 152'
	9.0					TAN	SILTY LOAM w/	SM	
	10.0						SOME GNEISS		
	15.0								
	20.0								
11/19									
11/20									
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
LOG CUTTINGS FROM 0' TO 38'

BORING 2WMW22D

PAGE 1 OF 8

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 2WMW22D
PROJECT NO.: 9594 — DATE: 11-20-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA:
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		25.0								
		30.0								
		32.0			HIT BR @ 32'	HARD	GRAY	GNEISS		
		35.0								
										START NX CORE @ 38'
11/20	38.0									
11/21										① 1055 → 1147
										38.5 → 38.7 HI % JNT
							GRAY			38.7 → 38.8 LO % FRAC
	3.3/4.5	①	73%	3.3/4.5		HARD	TO PINK	GNEISS (BIO-QTZ-FSPAR) w/ green Qtz & Calcite veins	BL	40.5 → 40.6 LO % FRAC 40.9 → 41.0 LO % FRAC
	42.5									② 1220-1318
										43.2 → 43.5 HI % JNT
							GRAY			(44.0 BREAK)
	4.9/5.0	②	98%	4.9/5.0		HARD	TO PINK	GNEISS (HBL-BIO-QTZ-FSPAR) w/ green Qtz & Calcite veins	BL	44.1 → 44.3 HI % FRAC 44.9 → 45.0 HI % JNT 45.4 → 45.5 45.8 → 46.0 ↓
										46.2 → 46.3 HI % FRAC 46.3 → 46.6 HI % JNT
	47.5									(SEE PHOTO)
										5 7/8" ϕ AIR HAMMER
		50.0								FROM 47½' TO 182'

REMARKS: NX CORE OD 3" (CME 75 RIG)
LOG CUTTINGS FROM 47½' TO 182'

BORING 2WMW22D
PAGE 2 OF 8

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: JSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
						GRAY TO			
	52.0				HARD	PINK	GNEISS		
	55.0								
	60.0								
						GRAY TO			
	62.0				HARD	PINK	GNEISS		
	65.0								
	70.0								
						GRAY TO			
	72.0				HARD	PINK	GNEISS		
	75.0								

REMARKS

BORING 2WMW22D

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* See Legend on Back

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BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
	80.0								
					HARD	L.Gray	GNEISS (ABUNDANT QTZ)		
	85.0								
	92.0				HARD	PINK	GNEISS		1558 → 1612 92' to 102'
	95.0								
	100.0								
						GRAY TO PINK			
	102.0				HARD		GNEISS		
	105.0								

REMARKS

BORING 2WMW22D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	100.0								
						GRAY			
	102.0				HARD	TO PINK	GNEISS		
	105.0								
	110.0								
						GRAY			
	112.0				HARD	TO PINK	GNEISS		
	115.0								
	120.0								
	122.0				HARD	GRAY	GNEISS		1622 → 1646 122' to 132'
	125.0								

REMARKS

BORING 2WMW22D

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* See Legend on Back

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BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-21-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSP / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	125.0								
	130.0								
	132.0				HARD	GRAY	GNEISS		1646→1701 132' TO 145'
	135.0								
	140.0								
	142.00								
11/21	145.0								1017 → 1026 145' TO 152'
11/22									(1' of H_2O AFTER
									SITTING OVERNIGHT)
	150.0								

REMARKS

BORING 2WMW22D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WMW22D
PROJECT NO.: 9594 DATE: 11-22-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	150.0								
						GRAY			
	152.0				HARD	TO PINK	GNEISS		HIT H_2O-BEARING FRACS (< 1gpm)
	155.0								
	160.0								
						GRAY			
	162.0				HARD	TO PINK	GNEISS		
	165.0								
	170.0								
						GREEN			
	172.0				HARD	TO PINK	QTZITE & GNEISS		HIT H_2O-BEARING ZONE (≅ 5 gpm)
	175.0								

REMARKS

BORING 2WMW22D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WMW220
PROJECT NO.: 9594 DATE: 11-22-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	175.0								
	180.0								
	182.0				HARD	GREEN TO PINK	QTZITE & GNEISS		
							CORE (3" OD) 38' to 47½'		6" Ø CASING @ 38'
							5⅞" Ø AR Drilling 47½' to 182'		6" Ø OPEN BOREHOLE
									FROM 38' TO 182'
							Total Depth 182'		

REMARKS

BORING 2WMW220

PAGE 8 OF 8

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2WMW22C

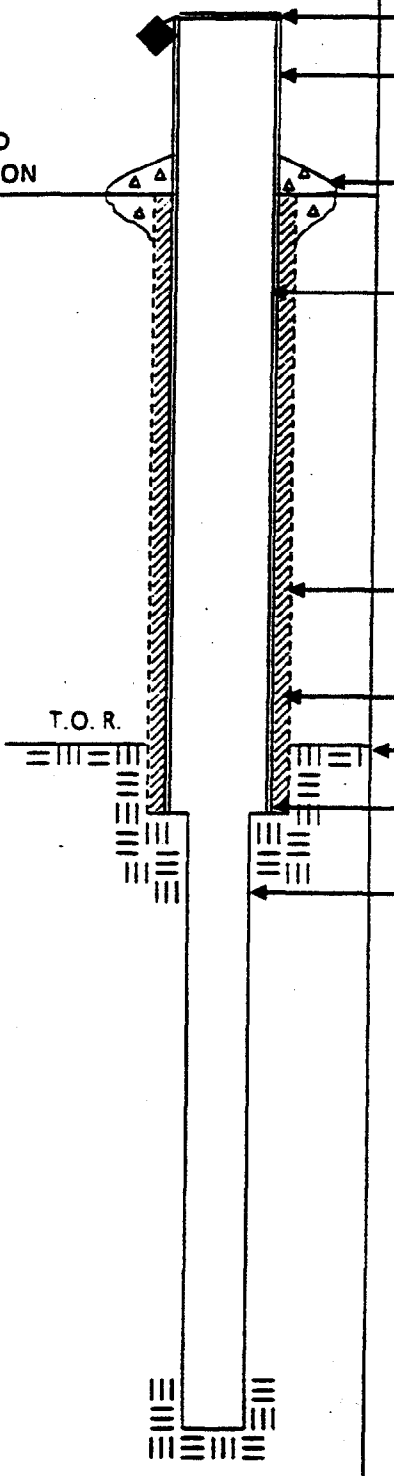
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: TSE

LOCATION: GROTON, CT.
BORING: 2WMW22C
DATE: 11-22-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY/NX CORE
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 2.0'

TYPE OF SURFACE SEAL: NATURAL

I.D. OF CASING: 6" ϕ

TYPE OF CASING: BLACK STEEL

TEMP. / PERM.: PERM

DIAMETER OF HOLE: 8½" ϕ

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 32'

DEPTH TO BOTTOM CASING: 38'

DIAMETER OF HOLE IN BEDROCK: 5⅞" ϕ

DESCRIBE IF CORE / REAMED WITH BIT:
GNEISS W/ QUARTZ & CALCITE VEINS

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

HIGH ∡ JNT 38.6'	HIGH ∡ FRAC 44.2'
LOW ∡ FRAC 38.7'	HIGH ∡ JNT 44.9'
LOW ∡ FRAC 40.5'	HIGH ∡ JNT 45.4'
LOW ∡ FRAC 40.9'	HIGH ∡ JNT 45.9'
HIGH ∡ JNT 43.3'	HIGH ∡ FRAC 46.2'
	HIGH ∡ JNT 46.4'

ELEVATION / DEPTH OF HOLE: /182'

APPENDIX A.4

SITE 29 - AREA A WEAPONS CENTER

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WCMW15
PROJECT NO.: 9594 DATE: 1-18-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-18-93

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	42 / 37	2.0		V. Dense	Brown	Silty, Fine-Coarse Sand	Fill	HNU-0 13:55
		21 / 20	2.0			Brown	Some F-C Rock Fragments	Fill	Frozen
S-2	2-4	16 / 28	1.8		V. Dense	Brown		Fill	HNU-0 14:09
		33 / 23	2.0			Brown		Fill	Moist
S-3	4-6	9 / 48	1.5		V. Dense	Brown		Fill	HNU-0 14:16
		17 / 12	2.0			Brown		Fill	Moist
S-4	6-8	11 / 7	1.2		M. Dense	Brown		Fill	HNU-0 14:25
		11 / 9	2.0			Brown		Fill	Moist
S-5	8-10	4 / 9	1.3		M. Dense	Brown	Silty, F-C Sand, Some	Fill	HNU-0 14:32
		7 / 4	2.0			Brown	F-C Gravel and Rock Fragments	Fill	Moist
S-6	10-12	5 / 2	.75		Loose	Brown		Sm	HNU-0 14:40
		7 / 4	2.0			Brown		Sm	Moist-Wet
S-7	12-14	4 / 7	1.4		Stiff	Brown		Sm	HNU-0 14:47
		64 / 3	2.0			Black	Organic Clayey Silt	ml	Wet
	14-16								
	16-18						Bottom of Boring 18.0'		

REMARKS Sampled Borehole into Water Table. Auger Ahead to 18' In order to screen well from 8'-18'

BORING 2WCMW15

PAGE 1 OF 1

* See Legend on Back

BORING NO. 2WCMW15

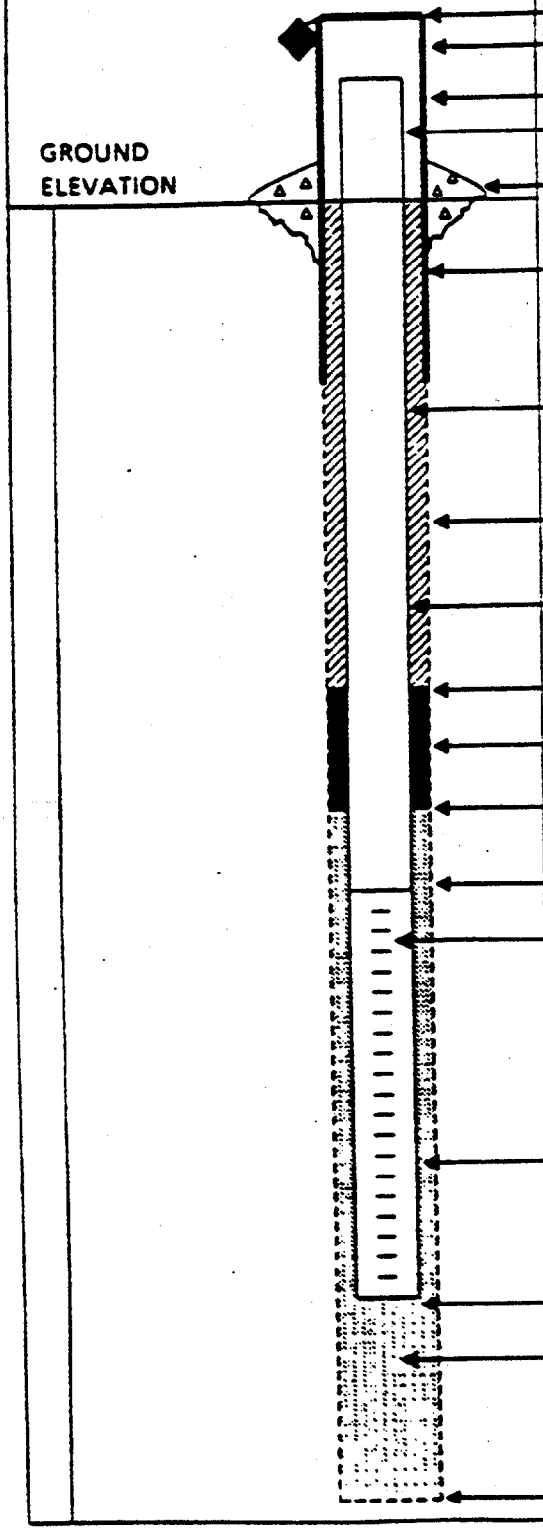
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J. R. FERGUSON

LOCATION GROTON, CT.
BORING 2WCMW15
DATE 1-18-94

DRILLER EAST COAST
DRILLING METHOD HOLLOW STEM AUGER
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING: NA
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: FLUSH
STICK - UP RISER PIPE:
TYPE OF SURFACE SEAL:
I.D. OF SURFACE CASING: 2" Ø
TYPE OF SURFACE CASING: SCHEDULE 40 PVC
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: SCHEDULE 40 PVC
BOREHOLE DIAMETER: 8 1/2" Ø
TYPE OF BACKFILL: BENTONITE/CEMENT
ELEVATION / DEPTH TOP OF SEAL: 14'
TYPE OF SEAL: BENTONITE PELLET
DEPTH TOP OF SAND PACK: 16'
ELEVATION / DEPTH TOP OF SCREEN: 18'
TYPE OF SCREEN: 2" Ø PVC
SLOT SIZE x LENGTH: .010 SLOT - 10'
I.D OF SCREEN: 2"
TYPE OF SAND PACK:
ELEVATION / DEPTH BOTTOM OF SCREEN: 18'
ELEVATION / DEPTH BOTTOM OF SAND PACK:
TYPE OF BACKFILL BELOW OBSERVATION WELL:
ELEVATION / DEPTH OF HOLE: 18'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 2WCMW25
PROJECT NO.: 9594 — DATE: 1-20-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-20-94-5°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0-1						Asphalt and gravel Sub-base		
S-1	2-4	12 / 8	1.0		M. Dense	Brown	Silty, Fine to Coarse Sand	SW	HNU-0 15:27
		4 / 4	2.0			Brown	Some Granitic Rock Fragments	SW	MOIST
S-2	4-6	5 / 3	.6		Loose	Brown		SW	HNU-0 15:34
		3 / 3	2.0		▽	Brown		SW	WET (Drove 2 spoons)
S-3	6-8	1 / 1	.6		V. Loose	Brown		SW	HNU-0 15:52
		1 / 2	2.0			Brown		SW	WET
S-4	8-10	1 / 2	.5		Loose	Brown		SW	HNU-0 16:06
		3 / 4	2.0			Brown		SW	WET
S-5	10-12	3 / 9	.5		M. Dense	Brown		SW	HNU-0 16:20
		20 / 10	2.0			Brown		SW	WET
S-6	12-14	4 / 3	1.0		Loose	Brown		SW	HNU-0 16:34
		4 / 7	2.0			Brown		SW	WET
S-7	14-16	4 / 5	1.6		Loose	Brown-Black		SM	HNU-0 16:42
		1 / 1	2.0		M. Stiff	Black	Organic Clayey Silt, Tr Org	ML	wet/moist
S-8	16-18	W / 0	2.0		V. Soft	Green-Gray	material, wood etc.		HNU-0 16:56
		R / 1	2.0			Green-Gray			MOIST
							Bottom of Boring = 18.0		

REMARKS: RIG CME 75 - FLOYD CROSS

BORING 2WCMW25

PAGE 1 OF 1

* See Legend on Back

BORING NO 2WCMW25

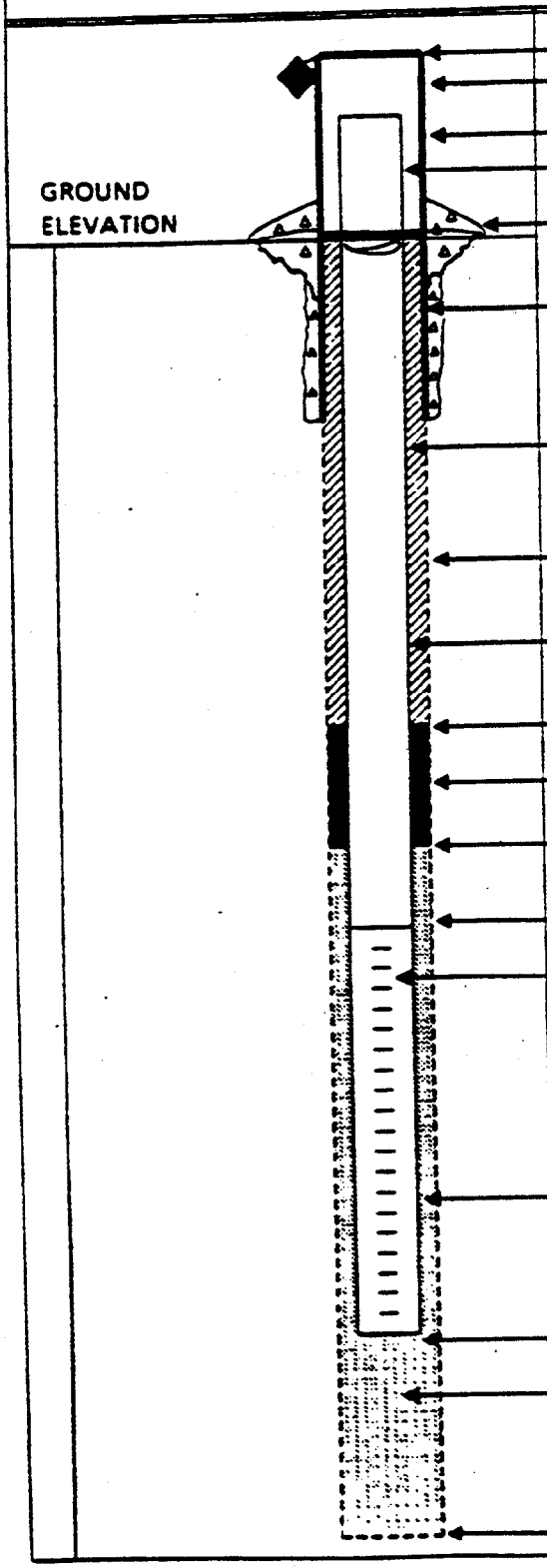
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. FERGUSON

LOCATION GROTON, CT.
BORING 2WCMW25
DATE 1-21-94

DRILLER EAST COAST
DRILLING METHOD HOLLOW STEM AUGER
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING: NA
ELEVATION OF TOP OF RISER PIPE: NA
STICK - UP TOP OF SURFACE CASING: NA
STICK - UP RISER PIPE: NA
TYPE OF SURFACE SEAL:
I.D. OF SURFACE CASING: 8"
TYPE OF SURFACE CASING: FLUSH MOUNT WELL COVER
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: SCHEDULE 40 PVC
BOREHOLE DIAMETER: 8½"
TYPE OF BACKFILL:
ELEVATION / DEPTH TOP OF SEAL: 2.0
TYPE OF SEAL: BENTONITE PELLET
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: SCHEDULE 40 PVC
SLOT SIZE x LENGTH: .010 SLOT - 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: BENTONITE PELLET SEAL
ELEVATION / DEPTH OF HOLE: 18.0

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WC MW35
PROJECT NO.: 9594 DATE: 02-20-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions) 02-20-94 1210 Sunny, 5-10 mph wind S, 8" snow

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	0.0	17 / 16	1.4/1.8		Dense	Brn	Silty Sand w/tr Quartz Gravel & Roots	SW	Sand - F to C Gr 0ppm
1216	2.0	22 / 30/3							Gravel - Pebble to Cobble
	2.5								(Auger 2.0' to 2.5')
S-2 @ 1224		13 / 13 / 10	1.1/2.0		M. Dense	Brn	Silty Sand w/tr Gneiss Gravel Pebbles	SW	Sand - F to C Gr 0ppm
	4.5	11 / 13							
S-3 @ 1231		16 / 26	1.0/2.0		M. Dense	Brn	Sand w/ Some Gneiss Gravel Pebbles	SP	(Poor Recovery) F to M Gr 0ppm Poorly Graded
	6.5	21 / 21							
S-4 @ 1237		20 / 24	0.2/2.0		Dense	Brn			(Poorly Recovery) —
	8.5	23 / 1		▽					
S-5 @ 1247		2 / 3	2.0/2.0		M. Stiff	D. Gray to Black	Clayey Silt w/ Charcoal Laminae	ML	* wet Mica Flakes 0ppm
S-6 @ 1258	10.5	1 / 3 / 1 / 3 / 4	2.0/2.0		Soft	D. Gray	Clayey Silt w/tr Shell Frags	ML	* wet Sulfur odor 1.0ppm
	12.0								
S-7 @ 1308		2 / 3	2.0/2.0		M. Stiff	D. Brn			0ppm
	14.0	3 / 3							
S-7 @ 1318		2 / 3	2.0/2.0		M. Stiff				4ppm
	16.0	4 / 4							
S-8 @ 1327		6 / 6	2.0/2.0		Stiff				95ppm *
	18.0	5 / 5							
S-9 @ 1350		1 / 1	2.0/2.0		V. Soft				56ppm
	20.0	1 / 1							
S-10 @ 1400	21.0	4 / 100/.5	1.0/1.0		M. Stiff		w/tr org		20ppm
							HSA to 20' 10-SS to 21'		
							Screen 5.75' to 15.75'		→ 10' - 2" PVC (0.010 Slot)
							Sand 3.75' to 17'		→ 2½ - 100# Bag Ottawa Sand
							Pellets 2' to 3.75'; 17' to 20'		→ 2 - 50# Bag Bentonite Plug

REMARKS Diedrich D-50 HSA Rig (Rambodier-Mounted)
3" x 24" SS (140# Wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 2WC MW35

PAGE 1 OF 1

* See Legend on Back

* Sample sent to lab (sample # 2WC MW35-1618)

BORING NO 2WC MW3S

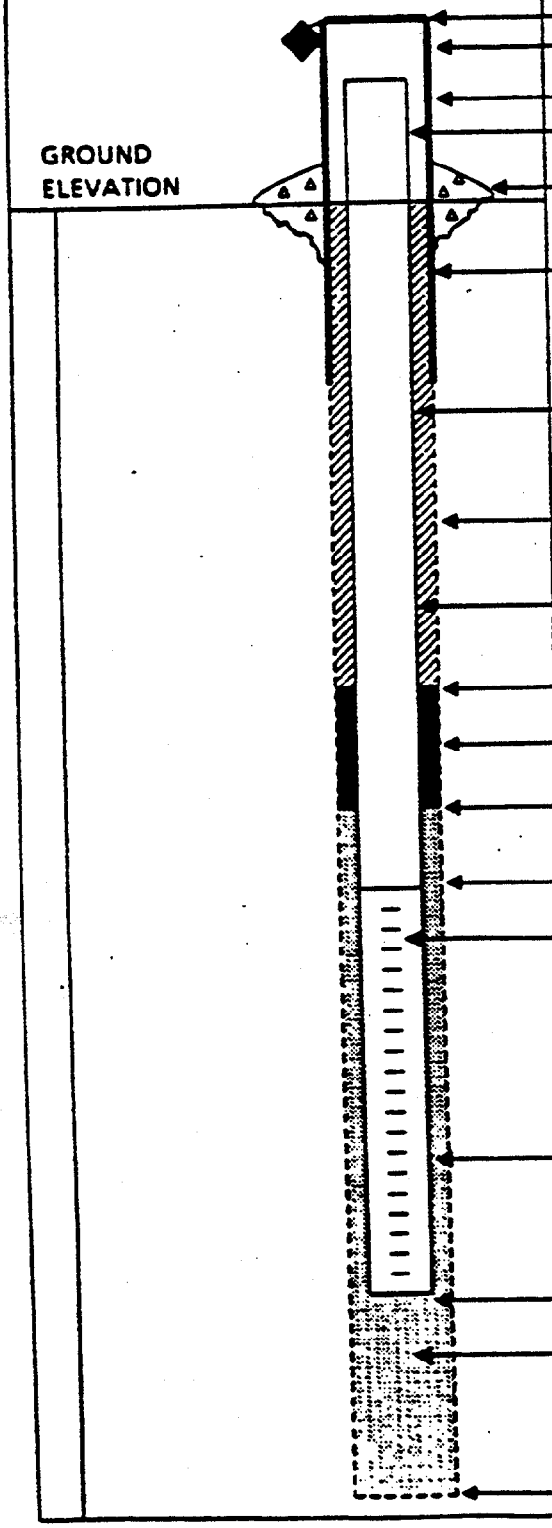
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST

LOCATION GROTON, CT.
BORING 2WC MW3S
DATE 2-20-94

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE :
TYPE OF SURFACE SEAL: Concrete
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: Steel
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC (Schedule 40)
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: N/A
ELEVATION / DEPTH TOP OF SEAL: 12'
TYPE OF SEAL: Bentonite Pellets
DEPTH TOP OF SAND PACK: 3.75'
ELEVATION / DEPTH TOP OF SCREEN: 15.75'
TYPE OF SCREEN: PVC (Schedule 40)
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 15.75'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 17
TYPE OF BACKFILL BELOW OBSERVATION WELL: Bentonite Pellets
ELEVATION / DEPTH OF HOLE: 21'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WC TB-1
PROJECT NO.: 9594 DATE: DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J FERGUSON / S CONTE
WATER LEVEL DATA :
(Date, Time & Conditions)

11:00 IN
11:16 Refusal

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	60 / 51	1.8		V. Dense	Brown	Sandy (M-C) Fine-Med Gravel	Fill	HNU-0 11:31
		39 / 47	2.0			Brown	and Gravelly (F-M) M-C Sand	Fill	Moist
S-2	2-4	5 / 10	1.2		M. Dense-	Brown	Clayey Silt (mottled) and Silty	Fill	HNU-0 11:38
		10 / 7	2.0		M-Stiff	Black-Brown	Fine Sand Tr. F-M Gravel	Fill	Moist
S-3	4-6	6 / 25	1.2		V. Dense	Brown	Silty Fine to Coarse Sand	Fill	HNU-0 11:47
		28 / 30	2.0			Brown	Some Granitic Rock Fragments	Fill	Moist
S-4	6-8	67 / 74	1.0		V. Dense	Brown	Silty Fine to Coarse Sand and	SM/GM	HNU-0 12:00
		100/3	1.25			Brown	Rock Fragments	SM/GM	Moist Weathered Granite
S-5	8	100/0					Auger Refusal / Sampler Refusal		

REMARKS Driller: Floyd Cross Rig: CME 75

BORING 2WCTB 1

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 2WCTB2
PROJECT NO.: 9594 — DATE: 1-19-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-19-94 → 0°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	8 / 18	1.5		M. Dense	Brown	Silty, Gravelly Fine to Coarse	Fill	HNU-9 * 13:15
		20 / 21	2.0			Brown	Sand. Trace Fill - wire	Fill	Moist
S-2	2-4	30 / 22	1.6		V. Dense	Brown	↓	Fill	HNU-4 13:27
		40 / 31	2.0			Brown	↓	Fill	Moist
S-3	4-6	17 / 12	1.75		M. Dense	Brown	↓		HNU-4 13:34
		6 / 5	2.0			Black	Organic Silt Wood Fragments	ml	Moist
S-4	6-8	4 / 2	2.0		Soft	Gray-Black	Trace White Bivalve, Minerals	ml	HNU-2 13:45
		2 / 2	2.0			Gray-Black	↓	ml	Moist
S-5	8-10	1 / 1	2.0		V. Soft	Gray-Black	↓	ml	HNU-2 13:52
		1 / 1	2.0			Gray-Black	↓	ml	Moist
S-6	10-12	2 / 1	1.8		V. Soft	Green-Gray	↓	ml	HNU-40 13:58
		1 / 2	2.0			Green-Gray	↓	ml	Moist
S-7	12-14	1 / 1	1.6		V. Soft	Green-Gray	↓	ml	HNU-2 14:17
		1 / 1	2.0			Green-Gray	↓	ml	Moist-Wet
							Bottom of Boring - 14.0'		

REMARKS Rig CME 75 Driller Floyd Cross

BORING 2WCTB2

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WCTB3
PROJECT NO.: 9594 DATE: 1- -94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 1-19-94 0°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK SR. OR USCS	REMARKS
S-1	0-2	— —				Black	Asphalt + Crushed Sub-base	Fill	HNU-21 11:15
		6 41	1.0		V Dense	Brown	Silty (F-C) Sand and Gravel	Fill	FROZEN
S-2	2-4	15 9	1.3		M. Dense	Brown	Silty Gravelly, Medium-	Fill	HNU-4 11:23
		13 15	2.0			Brown	Coarse Sand	Fill	WET
S-3	4-6	3 2			Soft	Black	Organic Silt with wood frags.	ml	HNU-7 * 11:30
		2 3	2.0			Gray-Black	mottled, micaceous	ml	MOIST
							Bottom of Boring: 6.0'		

REMARKS

BORING 2WCTB3

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2WCTR4
PROJECT NO.: 9594 DATE: 1-18-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. FERGUSON / S. CONTI
WATER LEVEL DATA :
(Date, Time & Conditions) 1-18-94 12:45 10°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK SYM. OR USCS	REMARKS
S-1	0-2	90 55 44 40	1.5		V. Dense	Brown	Silty Fine to Coarse Sand	Fill	HNU-0 12:44
			2.0			Brown	Some Gravel, Brown	Fill	Frozen
S-2	2-4	22 18 19/3			V. Dense	Brown		Fill	HNU-0 12:55
			1.5			Brown		Fill	moist
				TERM			Auger and Sampler Refusal @ ±3.5'		13:22

REMARKS

BORING 2WCTB4

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WCTB5
PROJECT NO.: 9594 DATE: 1-19-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 1-19-94 10° CLEAR

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	10 12	1.3		M. DENSE	BROWN	SILTY, GRAVELLY M-C SAND +	SM/GM	HNU - <1 15:15
		14 14	2.0			BROWN	SILTY, SANDY MEDIUM GRAVEL	FILL	FROZEN
S-2	2-4	10 18	1.0		M. DENSE	BROWN		FILL	HNU - 7 15:30
		23 21	2.0			BROWN		FILL	MOIST
S-3	4-6	10 13			M. DENSE	BROWN		FILL	HNU - <1 15:40
		14 4	2.0			GREEN-GRAY	ORGANIC SILT, TRACE WOOD.	ml	MOIST
S-4	6-8	2 2	2.0		M. STIFF	GREEN GRAY	MICACEOUS, BIVALVES	ml	HNU - 7 ✱ 15:50
		3 2	2.0			GREEN GRAY		ml	MOIST
S-5	8-10	3 3	1.8		M. STIFF	GREEN-GRAY		ml	HNU - <1 15:57
		3 3	2.0			GREEN-GRAY		ml	MOIST
S-6	10-12	1 1	1.7		SOFT	GREEN-GRAY		ml	HNU - 9 16:02
		2 1	2.0			GREEN-GRAY		ml	MOIST
S-7	12-14	1 1	2.0		V SOFT	GREEN GRAY		ml	HNU - <1 16:15
		1 1	2.0			GREEN GRAY		ml	MOIST
							BOTTOM OF BORING: 14.0'		

REMARKS RIG: CME 75 DRILLER: FLOYD CROSS

BORING 2WCTB5

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* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 2WCTB6
PROJECT NO.: 9594
DATE: 1-20-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-20-94 5° CLEAR

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	10 / 25	1.8		V. DENSE	BROWN	SILTY MEDIUM - COARSE SAND	FILL	HNU <1 09:57
		30 / 35	2.0			BROWN	SOME GRANITIC ROCK FRAGMENTS.	FILL	FROZEN
S-2	2-4	24 / 28	1.6		V. DENSE	BROWN		FILL	HNU <1 10:11
		24 / 14	2.0			BROWN		FILL	MOIST
S-3	4-6	10 / 11	1.7		M. DENSE	BROWN		FILL	HNU - <1 10:26
		6 / 9	2.0			BROWN		FILL	WET
S-4	6-8	15 / 13	1.6		M DENSE	BROWN		FILL	HNU - <1 10:33
		12 / 10	2.0			BLACK	ORGANIC, CLAYEY SILT, TR	ml	WET/MOIST
S-5	8-10	3 / 2	1.0		M. STIFF	GREEN-GRAY	WOOD FRAGMENTS, MOTTLED	ml	HNU - <1 10:42
		3 / 2	2.0			GREEN-GRAY	TR BIVALVES	ml	MOIST
S-6	10-12	3 / 2	2.0		M. STIFF	GREEN-GRAY		ml	HNU - <1 10:52
		3 / 3	2.0			GREEN-GRAY		ml	MOIST
S-7	12-14	3 / 3	2.0		M. STIFF	GREEN-GRAY		ml	HNU - <1 11:10
		3 / 5	2.0			GREEN-GRAY		ml	MOIST
S-8	20-22	3 / 4	2.0		STIFF	GREEN-GRAY		ml	HNU - <1 11:34
		4 / 3	2.0			BROWN	SANDY (V.F.) SILT TR ROOTS	ml	MOIST
S-9	25-27	3 / 26	1.8		V. DENSE	BROWN	GRAVELLY (F-M) FINE TO	SW	HNU - <1 11:40
		40 / 40	2.0				COARSE SAND	SW	WET
							BOTTOM OF BORING: 27'		

REMARKS

BORING 2WCTB6

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2WCTB7
PROJECT NO.: 9594 DATE: 1-19-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 1-19-94

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	70 100/3	.75		V. Dense	Gray-Brown	Silty Sandy F-M Gravel	SM/GM	HNU-0 09:25
	(.5-1.25)		.75				and Gravelly Silt F-C Sand	Fill	Frozen
S-2	2-4	50 D3/16"	1.0 1.0		V. Dense	Gray-Brown		SM/GM	HNU-40 09:32
								Fill	Frozen
S-3	4-6	13 8	1.0		M. Dense	Brown	Silty Sandy F-C Gravel and	Fill	HNU-<1 09:48
		7 6	2.0			Brown	Gravelly (F-C), medium Sand	Fill	Moist
S-4	6-8	3 2	1.4		Soft	Brown-Black	Organic Silt Some Roots	ml	HNU-<1 10:04
		2 2	2.0			Brown-Black	Leaves, wood etc.	ml	MOIST - WET
S-5	8-10	1 1	1.5		V Soft	Brown	Organic Silt w/ Roots etc.	ml	HNU-7 * 10:15
		1 1	2.0			Brown	Trace Very Fine Sand	ml	Wet
							Bottom of Boring = 10.0'		

REMARKS Rig CME 75 Driller Floyd Cross

BORING 2WCTB7

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 2WCTB8
PROJECT NO.: 9594 — DATE: 02-20-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans / Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions) 2-20-94 1030 Sunny, 5-10 mph wind S, 10" snow

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	0.0	10 / 40	1.4/2.0		V. Dense	BRN	SAND w/ Some Gneissic Gravel	SW	Top 3" Frozen 0ppm
1038	2.0	54 / 29							Sand - v. Fine to C Gr Gravel - Max 0.2" ø
S-2 @		35 / 25	1.2/2.0		Dense -				Dry 0ppm
1043	4.0	19 / 18			HARD	D. Brn	Clayey Silt w/ Tr Charcoal	ML	Mica Flakes
S-3 @		3 / 7	1.1/2.0		Stiff		w/ Tr Roots		0ppm
1051	6.0	10 / 7							Rust mottling
S-4 @		8 / 10	2.0/2.0		V. Stiff				0ppm
1055	8.0	9 / 11							
S-5 @		4 / 11	2.0/2.0		V. Stiff		w/ Tr Shell Frags		0ppm
1103	10.0	10 / 14					peat Silty Sand w/ Tr. Gneiss Cobble & Roots	SW	Sand - F to C Gr * Wet
S-6 @		10 / 14	0.9/2.0		Dense				" " * Saturated 0ppm *
1110	12.0	21 / 22							
S-7 @ 1115	12.5	110/.6 / 24	0.6/0.6		V. Dense		w/ Tr Gneiss Cobble		0ppm *
S-8 @		65 / 85	1.7/2.0		V. Dense	Gray	Gravelly Sand w/ Tr Silt	GW	Sand - M to VC Gr 0ppm
1128	14.5	61							Auger to 15'
							HSA 0 to 15'		
							8-SS to 14.5'		

REMARKS: Dietrich D-50 HSA Rig (Bombardier-Mounted)
3"x24" SS (140# wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 2WCTB8
PAGE 1 OF 1

* See Legend on Back

* Composite sent to lab (Sample # 2WCTB8-1012.6)

APPENDIX A.5

SITE 3 - AREA A DOWNSTREAM WATERCOURSES/OBDA

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 20MW23D
PROJECT NO.: 9594 DATE: 11-18-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR OR USCS	REMARKS
		0.0								8½" ϕ AIR HAMMER
										FROM 0' TO 7½"
		3.0			Hit BR @ 3'		GRAY	GNEISS		SET CASING @ 7½'
		5.0								
11/18										
11/19										
11/19										5⅞" ϕ AIR HAMMER
11/23										FROM 7½' TO 65'
		10.0								
		15.0								
		18.0				SOFT	DARK GRAY	SCHIST (BIO-GARNET-QTZ)		MOIST
		20.0								
		25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
LOG CUTTINGS FROM 3' TO 65'

BORING 20MW23D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW23D
PROJECT NO.: 9594 DATE: 11-23-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	28.0				SOFT	DARK GRAY	SCHIST (BIO-GARNET-QTZ)		MOIST
	30.0								
	35.0								
	38.0				SOFT	DARK GRAY	SCHIST (BIO-GARNET-QTZ)		MOIST
	40.0								
	45.0								
	48.0				SOFT	DARK GREY	SCHIST		0933 → 0938 48' TO 58'
									MOIST
	50.0								

REMARKS

BORING 2DMW23D

PAGE 2 OF 3

* See Legend on Back

000002

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 20MW23D
PROJECT NO.: 9594 DATE: 11-23-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
	55.0								
	68.0				SOFT	DARK GREY	SCHIST		MOIST
	60.0								HIT H_2O @ 60'±
	65.0								
							5 7/8" ø AR Drilling 7½' to 65'		6" ø CASING @ 7½'
							Total Depth 65'		6" ø OPEN BOREHOLE FROM 7½' TO 65'

REMARKS

BORING 20MW23D

PAGE 3 OF 3

* See Legend on Back

000003

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2DMW23D

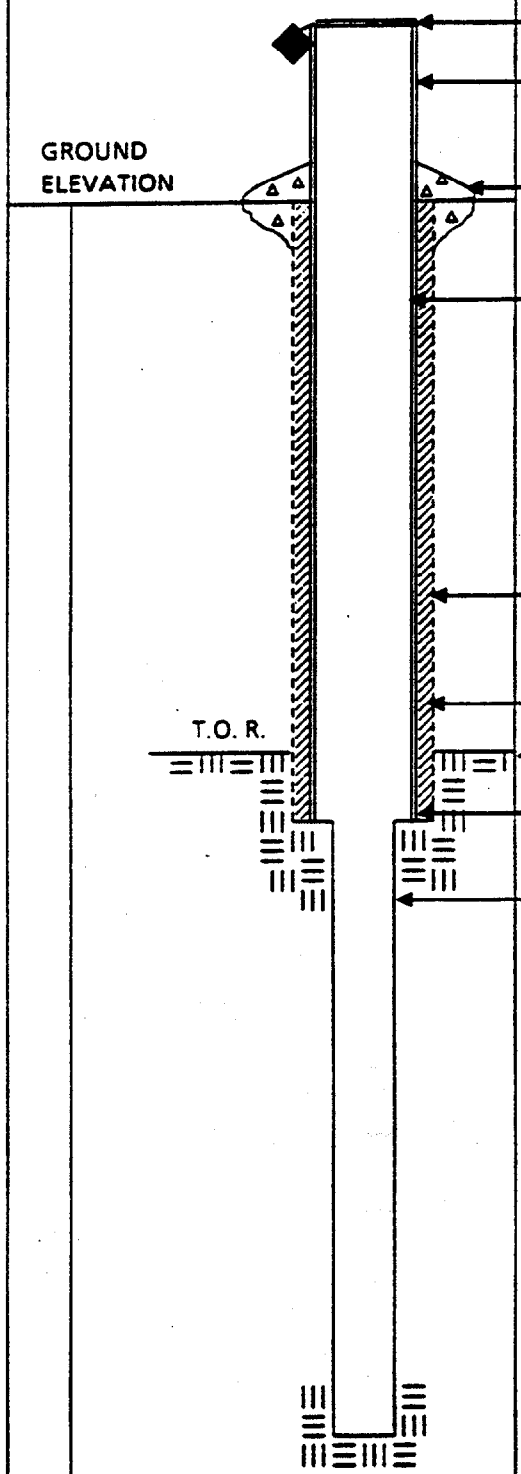
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: T. EVANS

LOCATION: GROTON, CT.
BORING: 2DMW23D
DATE: 11-23-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 1.55'

TYPE OF SURFACE SEAL: CONCRETE PAD

I.D. OF CASING: 6" Ø

TYPE OF CASING: BLACK STEEL

TEMP. / PERM.: PERM.

DIAMETER OF HOLE: 8½"

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 3'

DEPTH TO BOTTOM CASING: 7½'

DIAMETER OF HOLE IN BEDROCK: 5⅞"

DESCRIBE IF CORE / REAMED WITH BIT:
N/A

DESCRIBE JOINTS IN BEDROCK AND DEPTH:
N/A

ELEVATION / DEPTH OF HOLE: 165'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON
BORING NO.: 2DMW24S
PROJECT NO.: 9594
DATE: 11/30/93
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: S CONTI / W. LINEBERRY.
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	4/12	2.0/2.0		M DENSE	BRN	SILTY SAND AND GR.	SW	TOP 6" TOPSOIL
1100	2.0	14/14					SOME GNEISS FR.		MOIST F→C SAND 0PPM
S-2		5/11	1.1/2.0		M DENSE		SILTY SAND SOME GR.	SW	MOIST 0PPM
1105	4.0	10/10					TR. GNEISS FR		2" ⌀ MAX SIZE
S-3		5/9	1.2/2.0		LOOSE	BRN	SILTY SAND AND		WET 0PPM
1145	6.0	3/2					GRAVEL	SW	H_2O = 5'± TR. GNEISS FR.
S-4		5/7	0.5/2.0		LOOSE				
1151	8.0	5/5							
S-5		5/6	.6/2.0		LOOSE	BRN	SILTY SAND - SOME GR	SM	WET 0PPM
1154	10.0	10/10		10.0			TR CLAY		F→C SAND
S-6		21/10	1.4/2.0		M DENSE	BRN GRAY	SANDY SILT / SILTY	SM / ML	WET 0PPM
1205	12.0	11/11					SAND		DISTINCT LITH CHANGE = 10'
S-7		11/8	1.6/2.0		LOOSE	GRAY	SILTY FINE SAND	SM	WET
1215	14.0	10/10							
									SCREEN 4-14
									SAND 3-14
									PELLETS 3-1
							DRILL HSA TO 14'		
							7 SAMPLES		
							WELL CONST 14'		

REMARKS: CME 750 RIG - 2" SPOONS - SPT 4 1/4" ID AUGERS

BORING 2DMW24S

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* See Legend on Back

BORING NO. 20MW24S

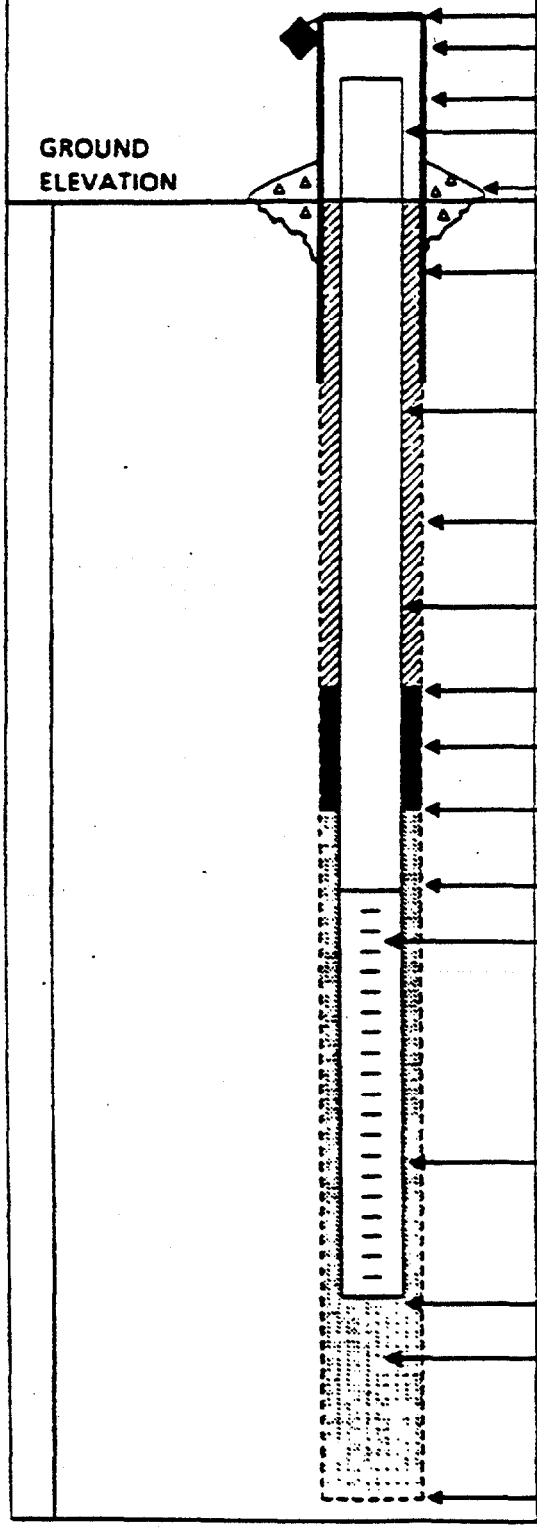
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST S. CONTI

LOCATION GROTON, CT.
BORING 20MW24S
DATE 11-30-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING:
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 1.7'
STICK - UP RISER PIPE: 1.63'
TYPE OF SURFACE SEAL: CONCRETE PAD
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: CONCRETE
ELEVATION / DEPTH TOP OF SEAL: 1'
TYPE OF SEAL: BENTONITE CHIPS
DEPTH TOP OF SAND PACK: 3'
ELEVATION / DEPTH TOP OF SCREEN: 4'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 14'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 14'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW24D
PROJECT NO.: 9594 DATE: 11-23-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2DMW24S		8½"ø AIR ROTARY
							FOR LITHOLOGY TO 14'		FROM 0' TO 25'
									SET CASING @ 25'
	5.0								
	10.0								
	15.0								
	17.0			HIT BR @ 17' IN E III					
	20.0								
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG

BORING 2DMW24D

PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW24D
PROJECT NO.: 9594 DATE: 11-29-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINE BERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								5⅞" ϕ AIR HAMMER
									FROM 25' TO 45'
	30.0								
	33.0								Hit H_2O @ 33'
	35.0				HARD	DARK GREY	BIOTITE - QTZ GNEISS		
	40.0								
	45.0				HARD	DARK GREY	BIOTITE - QTZ GNEISS		
							5⅞" ϕ AIR ROTARY 0' TO 45'		6" ϕ CASING @ 25'
									6" ϕ OPEN BOREHOLE
							TOTAL DEPTH 45'		25' TO 45'
	50.0								

REMARKS LOG CUTTINGS FROM 35' TO 45'

BORING 2DMW24D

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* See Legend on Back

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HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2D MW24D

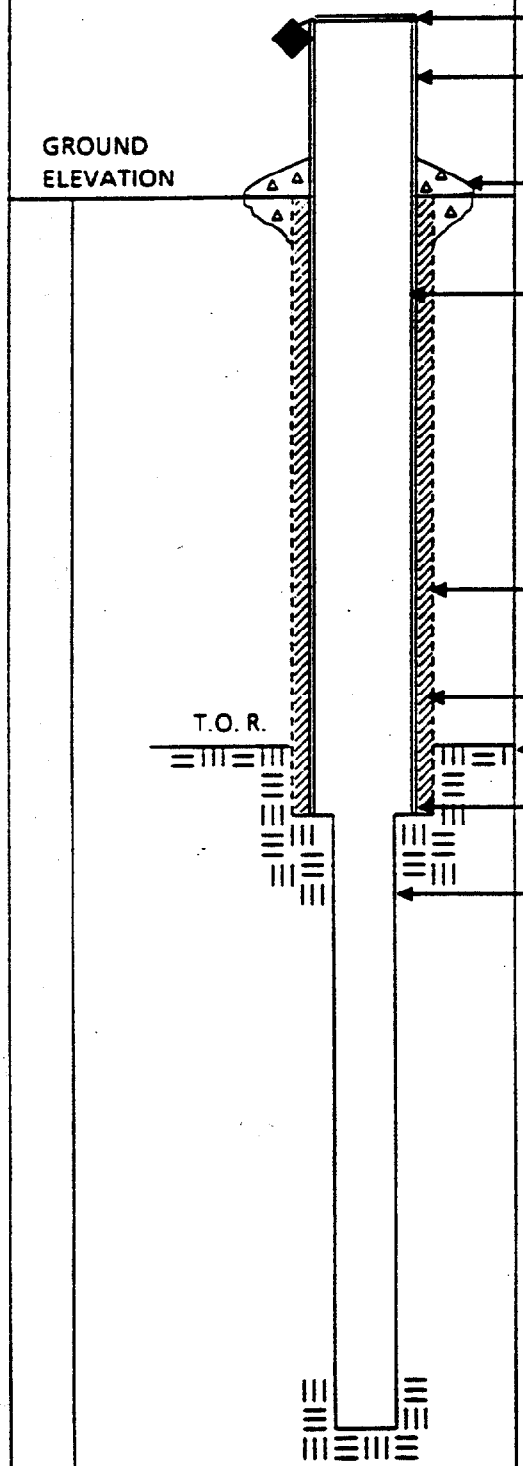
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: TSE

LOCATION: GROTON, CT
BORING: 2D MW 24D
DATE: 11-29-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 1.48'

TYPE OF SURFACE SEAL: CONCRETE PAD

I.D. OF CASING: 6" ϕ

TYPE OF CASING: BLACK STEEL

TEMP. / PERM.: PERM

DIAMETER OF HOLE: 8½" ϕ

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 17'

DEPTH TO BOTTOM CASING: 25'

DIAMETER OF HOLE IN BEDROCK: 5⅞" ϕ

DESCRIBE IF CORE / REAMED WITH BIT:

N/A

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

N/A

ELEVATION / DEPTH OF HOLE: 45'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW25S
PROJECT NO.: 9594 DATE: 12-2-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: T. EVANS / B. SWIATEK
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	2 / 3	1.1/2.0		LOOSE	BRN TO	SANDY SILT W/ROOTS	SM	0 ppm
1429	2.0	3 / 3				RDD BRN			DECAYED ROOT ø 0.25"
S-2		4 / 6	1.0/2.0		LOOSE	D. GRAY	SANDY SILT W/GNEISS FRAGS	SM	MICACEOUS 0 ppm
1433	4.0	3 / 3							
S-3		2 / 2	1.8/2.0		V. LOOSE	BRN	SANDY SILT W/TR ROOTS	SM	MOIST 0 ppm
1439	6.0	2 / 2		5.5'					
S-4		3 / 6	2.0/2.0		V. STIFF	BRN TO GRAY	SILT W/TR GLASS & SAND	ML	MOIST 0 ppm
1441	8.0	14 / 19							
S-5		4 / 13	2.0/2.0		M. DENSE	BRN TO TAN	SANDY SILT /	SM /	MOIST 0 ppm
1447	10.0	16 / 14					SILTY SAND	ML	POORLY GRADED FINE SAND
				10.5'					
							REFUSAL @ 10.5'		
							HSA TO 10.5'		SCREEN 5.5'-10.5'
							SS TO 10'		SAND 4'-5.5'
							5 SS SAMPLES		PELLETS 2'-4'

REMARKS CME 75 HSA RIG
4¼" ID AUGER
2" SS TO SAMPLE (140# WT, 30" DROP)

BORING 2DMW25S
PAGE 1 OF 1

* See Legend on Back

BORING NO. 2DMW25S

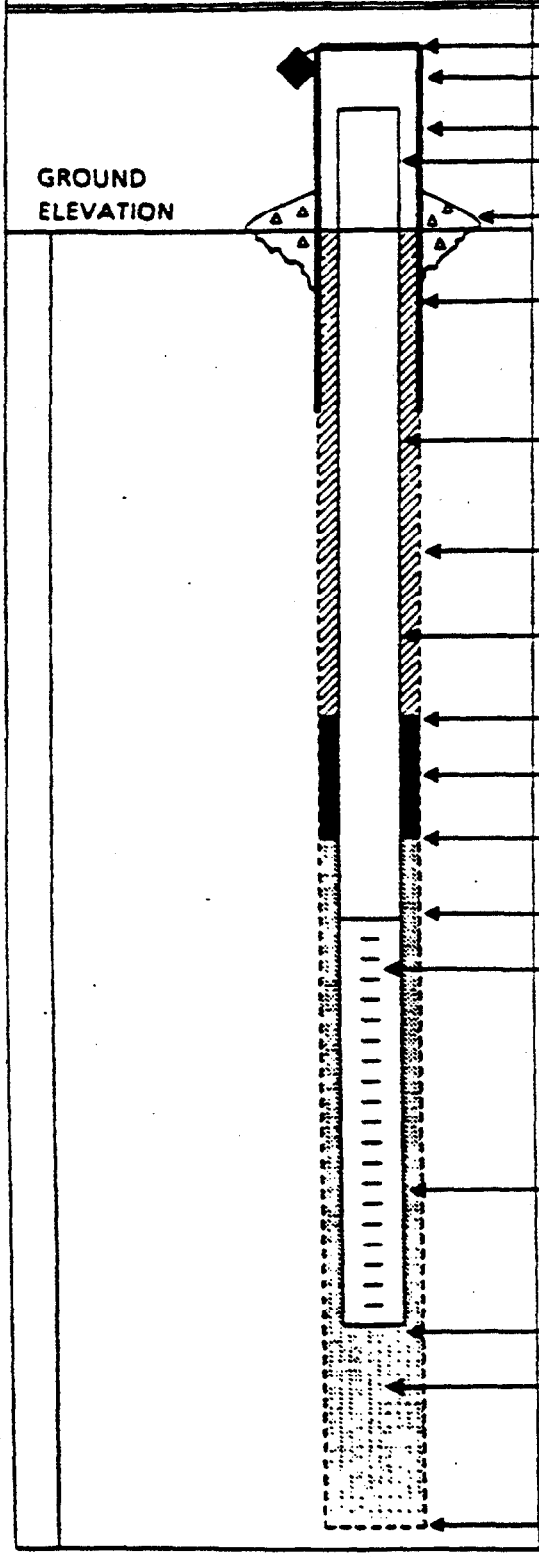
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST T. EVANS

LOCATION GROTON, CT.
BORING 2DMW25S
DATE 12-2-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 1.97'
STICK - UP RISER PIPE : 1.55'
TYPE OF SURFACE SEAL: CONCRETE PAD
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: CONCRETE
ELEVATION / DEPTH TOP OF SEAL: 12'
TYPE OF SEAL: BENTONITE CHIPS
DEPTH TOP OF SAND PACK: 4'
ELEVATION / DEPTH TOP OF SCREEN: 15.5'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
I.D OF SCREEN: 2"
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 10.5'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 10.5
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 10.5'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW25D
PROJECT NO.: 9594 DATE: 11/30/93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI/EVANS / W. LINEBERRY
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						FOR LITHOLOGY SEE		
							LOG FOR 2DMW25S		
	10.0								
	12.0			12.0					
					HARD	GRAY	GNEISS		HIT ROCK ≈ 12'
									SET CAS AT 18'
12/1 18.0					HARD	GRAY	GNEISS	BR	18.4 lo⁸ JNT
								BL	
23/5.0	①		5.0/5.0					BR	20' LO & JNT
									20.5 " "
									21→22 HI & FRACTURE IRON STAINED
23.0									22→22.5 VERT FRACTURE
									GOOD REC. Fe STAINS
	25.0								

REMARKS AIR HAMMER TO 18' TO SET 6"Φ CAS AT 18
NX CORE 18 → 23. THEN REAM 5 7/8" FROM 18
TO 40' (TD)

BORING 2DMW25D
PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW25D
PROJECT NO.: 9594 DATE: 12/1/93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI / EVANS / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	30.0								
	35.0								
	40.0								
							NX CORE (3"OD) 18' TO 23'		6" ø CASING @ 18'
							5 7/8" ø AIR ROTARY 23' TO 40'		6" ø OPEN BOREHOLE
									18' TO 40'
	45.0						TOTAL DEPTH 40'		
	50.0								

REMARKS

BORING 2DMW25D

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* See Legend on Back

BORING NO.: 20MW25D

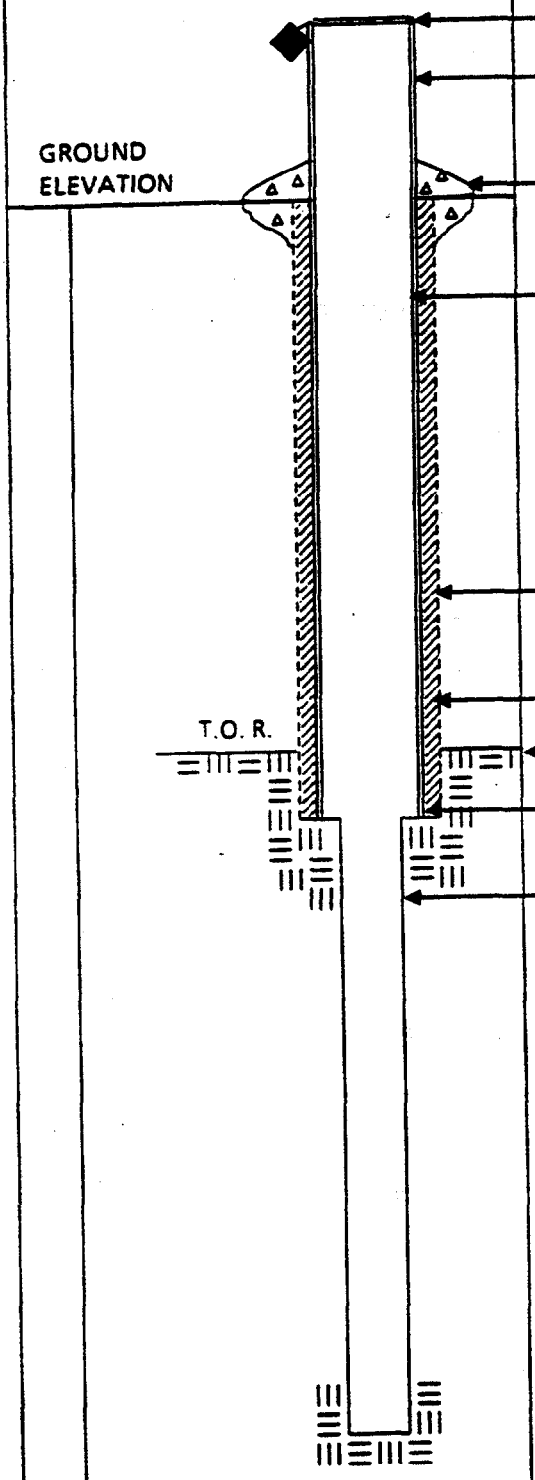
HALLIBURTON NUS
Environmental Corporation

BEDROCK MONITORING WELL SHEET
OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: S. CONTI

LOCATION: GROTON, CT
BORING: 20 MW25D
DATE: 12-1-93

DRILLER: EAST COAST
DRILLING METHOD: AIR ROTARY / NX CORE
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE: 2.16'

TYPE OF SURFACE SEAL: CONCRETE PAD

I.D. OF CASING: 6"

TYPE OF CASING: BLACK STEEL

TEMP. / PERM.: PERM

DIAMETER OF HOLE: 8 1/2"

TYPE OF CASING SEAL: GROUT

DEPTH TO TOP OF ROCK: 12'

DEPTH TO BOTTOM CASING: 18'

DIAMETER OF HOLE IN BEDROCK: 5 7/8" ϕ

DESCRIBE IF CORE / REAMED WITH BIT:
GNEISS

DESCRIBE JOINTS IN BEDROCK AND DEPTH:
LOW ∡ JNT 18.4' HIGH ∡ FRAC 21.5'
LOW ∡ JNT 20.0' VERT FRAC 22.0'
LOW ∡ JNT 20.5'

ELEVATION / DEPTH OF HOLE: 40'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 2DMW26S
PROJECT NO.: 9594 — DATE: 12-1-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: TSE / BRETT SWIATEK
WATER LEVEL DATA: —
(Date, Time & Conditions) —

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	4 / 9	2.0/2.0		M. DENSE	D. BRN TO	CLAYEY SILT SAND W/ GRAVEL		0"-6" TOPSOIL 0 ppm
0800	2.0	11 / 15				TAN			MAX ø 0.2"
S-2		9 / 16	2.0/2.0		DENSE	TAN	SAND W/TR GRAVEL	SP	MOIST 0 ppm
	4.0	18 / 21							POORLY GRADED MEDIUM
S-3		5 / 12	1.8/2.0		M DENSE	TAN	SAND	SP	MOIST 0 ppm
	6.0	16 / 17							MEDIUM TO FINE
S-4		8 / 8	2.0/2.0		M. DENSE	TAN	SAND	SP	0 ppm
	8.0	10 / 9							
S-5		6 / 5	1.6/2.0	8	LOOSE	BRN TO TAN	Silty SAND / SAND	SM/	H_2O@9' 0 ppm
	10.0	4 / 9						SP	
S-6		2 / 6	2.0/2.0		M. DENSE	TAN TO RUST	SAND	SP	WET 0 ppm
	12.0	6 / 11							Poorly Graded Medium
S-7		4 / 3	2.0/2.0		LOOSE	TAN TO RUST	SAND W/TR GRAVEL	SP	0 ppm
	14.0	4 / 4							MAX ø 0.05"
S-8		6 / 11	2.0/2.0		M. DENSE	TAN	SAND W/ TR GRAVEL	SP	0 ppm
	16.0	9 / 8							
S-9		4 / 10	2.0/2.0						0 ppm
0900	18.0	8 / 8		18					
									SCREEN 8'-18'
							HSA to 18'		SAND 7'-18'
							SS to 18'		PELLETS 5'-7'
							9 SAMPLES		
							TOTAL DEPTH 18'		

REMARKS CME 75 HSA RIG
4¼" ID AUGER
3" SS TO SAMPLE (140# wt. 30" Drop)

BORING 2DMW26S
PAGE 1 OF 1

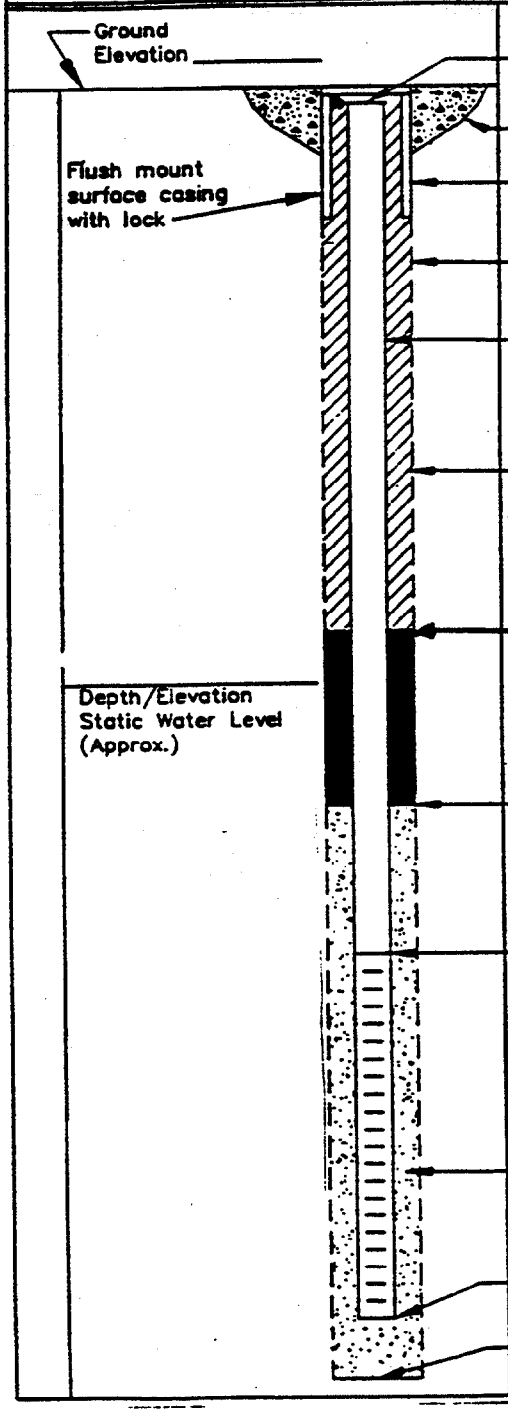
* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 2DMW26S

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 2DMW26S	DRILLING METHOD: HSA
ELEVATION:	DATE: 12-1-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: TSE / SJC		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: / 5'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: / 7'

DEPTH/ELEVATION TOP OF SCREEN: / 8'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: / 18'

DEPTH/ELEVATION BOTTOM OF SAND: / 18'

DEPTH/ELEVATION BOTTOM OF HOLE: / 18'

BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW26D
PROJECT NO.: 9594 DATE: 12/2/93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI / EVANS / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2DMW26S		10 5/8" ⌀ AIR ROTARY
							FOR LITHOLOGY 0' TO 18'		0' TO 38'
									SET CASING @ 38'
	5.0								
	10.0								
	15.0								
	20.0								
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG

BORING 2DMW26D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2D MW 26 D
PROJECT NO.: 9594 DATE: 12-6-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI / EVANS / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	30.0								
				30'					
	32.0						GNEISS BOULDER		32' to 34'±
	35.0								
12/2	38.0								5 7/8" ϕ AIR HAMMER
12/6									38' TO 50'
	40.0			40'					HIT H_2O @ 40'±
									± CAVE-IN TO 40'±
									(CASING NOT IN BR)
									SCREEN 30'-40'
	45.0								SAND 27'-40'
									PELLETS 23'-27'
	50.0					BRN	SILTY SAND W/ GRAVEL		

REMARKS LOG CUTTINGS 39' to 50'

BORING 2D MW26D

PAGE 2 OF 2

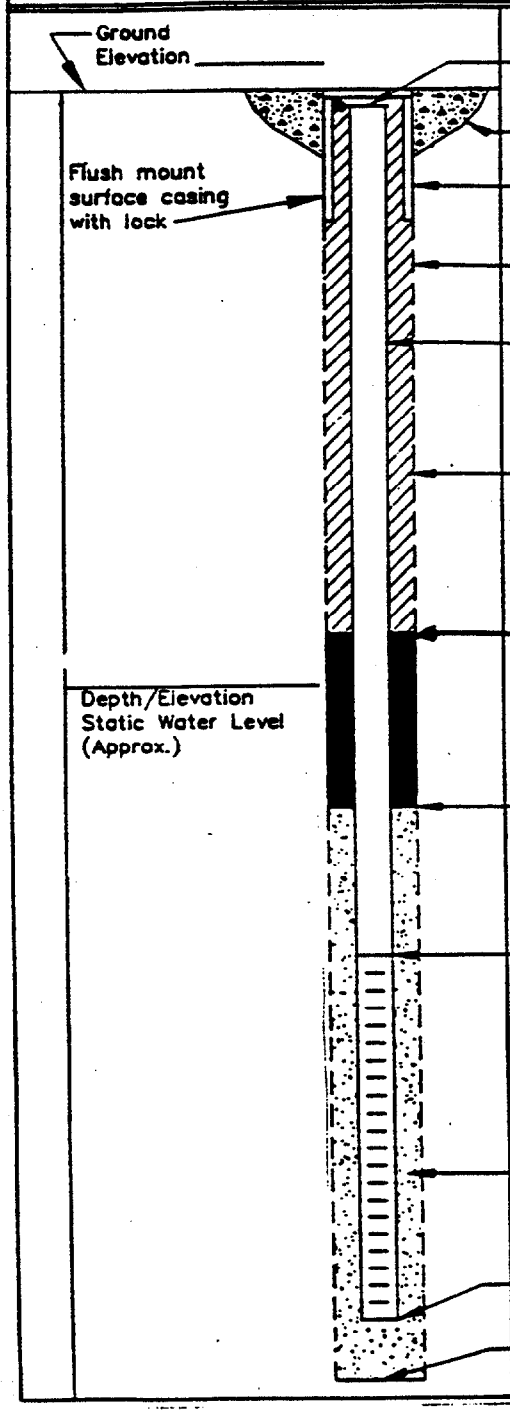
* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 2DMW26D

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 2DMW26D	DRILLING METHOD: Air Rotary
ELEVATION:	DATE: 12-6-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: TSE / SJC		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel / Black Steel

I.D. OF PROTECTIVE CASING: 4" / 6" to 38'

BOREHOLE DIAMETER: 6"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: / 23'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: / 27'

DEPTH/ELEVATION TOP OF SCREEN: / 30'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: / 40'

DEPTH/ELEVATION BOTTOM OF SAND: / 40'

DEPTH/ELEVATION BOTTOM OF HOLE: / 50'

BACKFILL MATERIAL BELOW SAND: Natural

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW27S
PROJECT NO.: 9594 DATE: 12-1-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS / BRETT SWIATEK
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	6 / 4	0.9/2.0		M. DENSE	D. BRN	Sandy Silt w/ org	SM	Topsoil 0 ppm
1200	2.0	9 / 8					& TR Gravel		
S-2		8 / 7	0.9/2.0		M. DENSE	TAN TO GRAY	Sand w/ GNEISS FRAGS	SP	Medium 0 ppm
	4.0	9 / 25							
S-3		7 / 66	1.1/2.0		V. DENSE	GRAY	GNEISS FRAGS w/	-	0 ppm
	6.0	53 / 37					TR SAND		MAX ø 0.13"
S-4	6.9	37 / 100	1.7/2.0		V. DENSE	BRN TO PINK	Silty Sand w/ Gravel &	SM	0 ppm
							Granite Frags		MAX FRAGS ø 0.1"
									DID NOT SAMPLE 6.9' TO 10' DUE TO BOULDERS
	10.0								
S-5		38 / 41	1.5/2.0	11.5	V. DENSE	TAN	Sand w/ Qtzite, Gneiss Frags	SP	Medium 0 ppm
	12.0	44 / 55							
	13.0		0.4/1.3						
S-6		55 / 64			V. DENSE	BRN	QTZITE FRAGS		Wet 0 ppm
1300	14.3	100		14.3					Refusal @ 14.3'
	17.0			17.0					
							HSA to 14'		SCREEN 11.5'-17'
							SS to 14.3'		SAND 9.5'-17'
							H_2O Rotary to 17'		PELLETS 7.5'-9.5'

REMARKS CME 75 HSA RIG
2" SS to SAMPLE (140# WH, 30" Drop)
4¼" ID AUGER, 3⅞" ø Rotary Bit 14' to 17'

BORING 2DMW27S
PAGE 1 OF 1

* See Legend on Back

000020

WELL NO.: 2DMW27S

HALLIBURTON NUS
Environmental Corporation

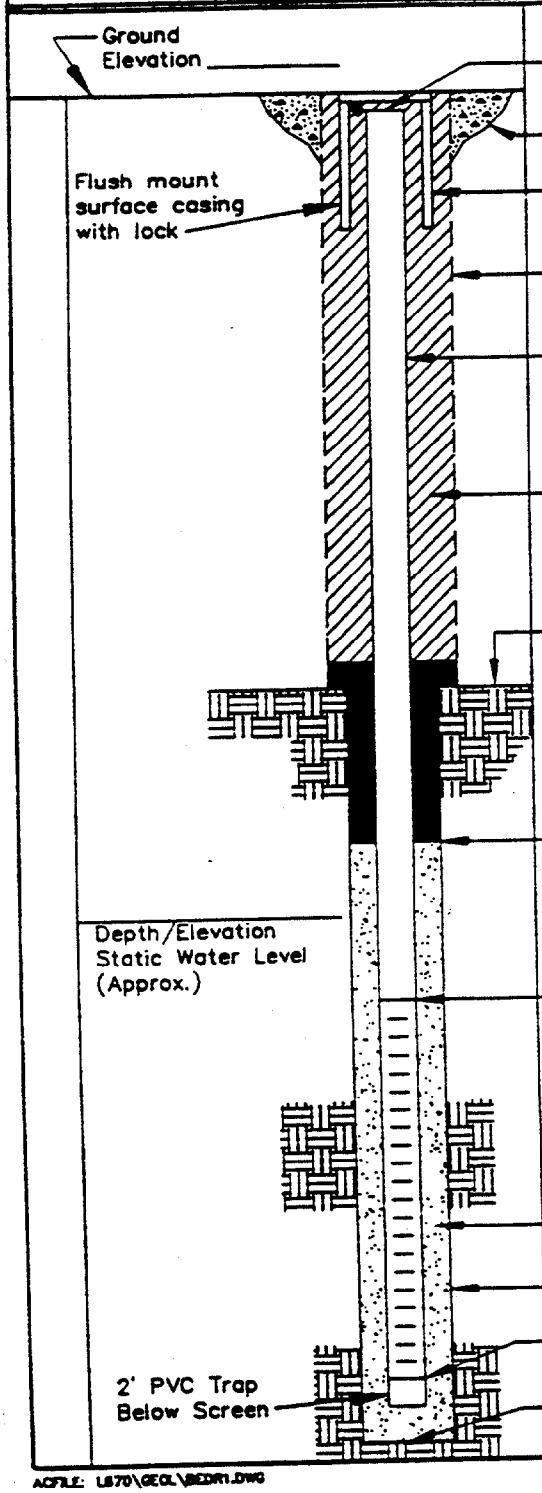
BEDROCK MONITORING WELL SHEET

WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT.
BORING: 2DMW27S
DATE: 12-1-93

DRILLER: EAST COAST
DRILLING METHOD: HSA
DEVELOPMENT METHOD:



ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
TYPE OF PROTECTIVE CASING: Steel
I.D. OF PROTECTIVE CASING: 4"
DIAMETER OF HOLE: 8"
TYPE OF RISER PIPE: PVC
RISER PIPE I.D.: 2"
TYPE OF BACKFILL/SEAL: Grout
DEPTH/ELEVATION TOP OF BEDROCK: 4.3'/
DEPTH/ELEVATION TOP OF SAND: 9.5'/
DEPTH/ELEVATION TOP OF SCREEN: 11.5'/
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
TYPE OF SAND PACK: Silica Sand
DIAMETER OF HOLE IN BEDROCK: 4"
DEPTH/ELEVATION BOTTOM OF SCREEN: 17'/
DEPTH/ELEVATION BOTTOM OF SAND: 17'/
DEPTH/ELEVATION BOTTOM OF HOLE: 17'/
BACKFILL MATERIAL BELOW SAND: N/A

ACFILE: L870\GEOL\BEDWI.DWG

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-3-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: SJC / TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		0.0						SEE BORING 2DMW27S		10 5/8" ϕ AIR ROTARY
								FOR LITHOLOGY TO 14'		FROM 0' TO 20'
										SET CASING @ 20'
		5.0								
		10.0								
		14.0								HIT BR @ 14' ±
		15.0								
12/3										
12/4										
										HIT H_2O @ 16' ±
12/4		20.0								
12/5									BL	20.05' LO & JNT
	5.0/5.0	①	100%	5.0/5.0		HARD	GRAY TO PINK	BIO-QTZ-FSPAR GNEISS		22.4' LO & JNT
										22.7' LO & JNT
12/5	25.0									(24.45 BREAK)

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG

NX CORE FROM 20' TO 25' THEN REAM 5 7/8" FROM 20' TO 25'

BORING 2DMW27D

PAGE 1 OF 8

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
12/7	1215	25.0								5 7/8" ø AIR HAMMER
										25' TO 205'
										NO H_2O 25' TO 205'
		30.0								
	1239	35.0				HARD	M.GRAY	QTZ. BIO SCHIST / GNEISS		
		40.0								
	1240	45.0				HARD	BLACK	BIO-QTZ SCHIST / GNEISS		VERY MICACEOUS
		50.0								

REMARKS LOG CUTTINGS 35' TO 205'

BORING 2DMW27D

PAGE 2 OF 8

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-7-92 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
	55.0				HARD	L.GRAY	QTZ-BIO-FSPAR GNEISS		
	60.0								
	65.0				HARD	BLACK	GNEISS		
	70.0								
	75.0				HARD	L.GRAY	GNEISS		

REMARKS

BORING 2DMW27D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TJF / W. LNEREERY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
	80.0								
	85.0				HARD	PINK BLACK	GNEISS		
	95.0				HARD	L. GRAY	GNEISS		

REMARKS

BORING 2DMW27D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 20MW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TJE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	100.0								
1356	105.0				HARD	WHITE	GNEISS		
	110.0								
	115.0				HARD	L.GRAY	GNEISS		
	120.0								
	125.0				HARD	WHITE	GNEISS		

REMARKS

BORING 20MW27D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2D MW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	125.0								
	130.0								
	135.0				HARD	WHITE	QTZITE		
	140.0								
	145.0				HARD	BLACK AND WHITE	GNEISS		

REMARKS

BORING 2D MW27D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE /W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	175.0								
	180.0								
	185.0				HARD	PINK	GNEISS		
	190.0								
	195.0								
	200.0								

REMARKS

BORING 2DMW27D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW27D
PROJECT NO.: 9594 DATE: 12-7-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		200.0								
										HIT @ 195' AFTER
12/7	1610	205.0								SIT OVERNIGHT
12/8										
								10 5/8" ϕ AIR ROTARY 0' TO 20'		6" Casing @ 20'
								NX CORE 20' TO 25'		6" open Borehole
								5 7/8" ϕ AIR ROTARY 25' TO 205'		20' TO 205'

REMARKS

BORING 2DMW27D

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* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2DMW27D

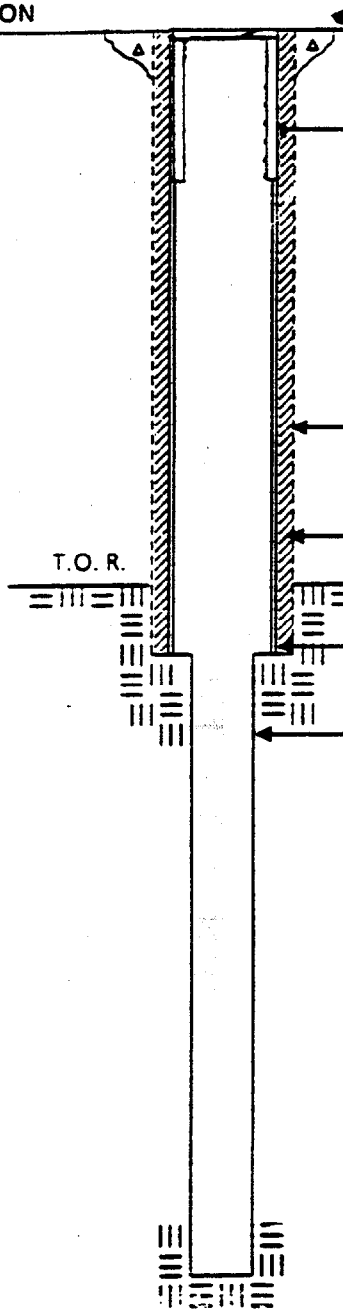
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 2DMW27D
DATE:

DRILLER: EAST COAST
DRILLING METHOD: Air Rotary
DEVELOPMENT METHOD:



TYPE OF SURFACE SEAL: Concrete

I.D. OF CASING: 6"
TYPE OF CASING: Steel

TEMP. / PERM.: Perm

DIAMETER OF HOLE: 10 5/8"

TYPE OF CASING SEAL: Grout

DEPTH TO TOP OF ROCK: 14'

DEPTH TO BOTTOM CASING: 20'

DIAMETER OF HOLE IN BEDROCK: 6"

DESCRIBE IF CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 205'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON
BORING NO.: 2D MW28S
PROJECT NO.: 9594
DATE: 12-2-93
DRILLER: EAST COAST THOMAS / BRETT SWIATEK
ELEVATION:
FIELD GEOLOGIST: TSE
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	2 / 3	0.9/2.0		LOOSE	D.BRN	SANDY SILT W/ ORG	SM	TOPSOIL 0 ppm
0954	2.0	6 / 7							
S-2		13 / 28	1.5/2.0		V. DENSE	TAN	SAND W/GNEISS FRAGS	SP	FINE 0 ppm
0957	4.0	26 / 31							Litho Δ @ 2.2'
S-3		22 / 28	0.9/2.0		V. DENSE	CREAM	GNEISS, QTZITE FRAGS	GW	MED TO V. COARSE 0 ppm
1006	6.0	29 / 20					& SAND		V. FINE
S-4		14 / 22	1.0/2.0		DENSE	TAN	SAND & GNEISS GRAVEL	GP	MOIST 0 ppm
	8.0	20 / 19							FINE; MAX Ø 0.1"
S-5		16 / 15	1.5/2.0		M. DENSE	TAN	SAND /	SP/	POORLY GRADED 0 ppm
1020	10.0	15 / 13					GNEISS GRAVEL & SAND	GP	GRAVEL/SAND 9.6'→
S-6		20 / 26	1.4/2.0		V. DENSE	TAN TO CREAM	GNEISS FRAGS, GRAVEL &	GW	0 ppm
	12.0	35 / 46					SAND		FINE TO MED
S-7		15 / 27	1.6/2.0		V. DENSE	TAN	SAND & GNEISS, QTZITE	GW	MED TO COARSE 0 ppm
	14.0	25 / 25					GRAVEL		
S-8		12 / 13	1.3/2.0		DENSE	TAN	SAND	SP	POORLY GRADED 0 ppm
	16.0	17 / 23							MED
S-9		14 / 22	1.8/2.0	17	DENSE	TAN	SAND	SP	MED 0 ppm
	18.0	20 / 21							H_2O @ 18± '
S-10		16 / 12	1.6/2.0		DENSE	D.BRN	SAND	SP	WET 0 ppm
	20.0	19 / 11							COARSE, POORLY GRADED
S-11		19 / 20	1.1/2.0		V. DENSE	D.BRN	SAND	SP	COARSE 0 ppm
1055	21.6 / 22.0	100		22					*Refusal @ 22'
							HSA to 22'		Screen 17'-22'
							SS to 21.6' TD 22'		Sand 16'-22'
							11 Samples		Pellets 14'-16'

REMARKS: CME 75 HSA RIG
2" SS TO SAMPLE (140# Wt, 30" Drop)
4 1/4" ID AUGER

BORING 2D MW28S
PAGE 1 OF 1

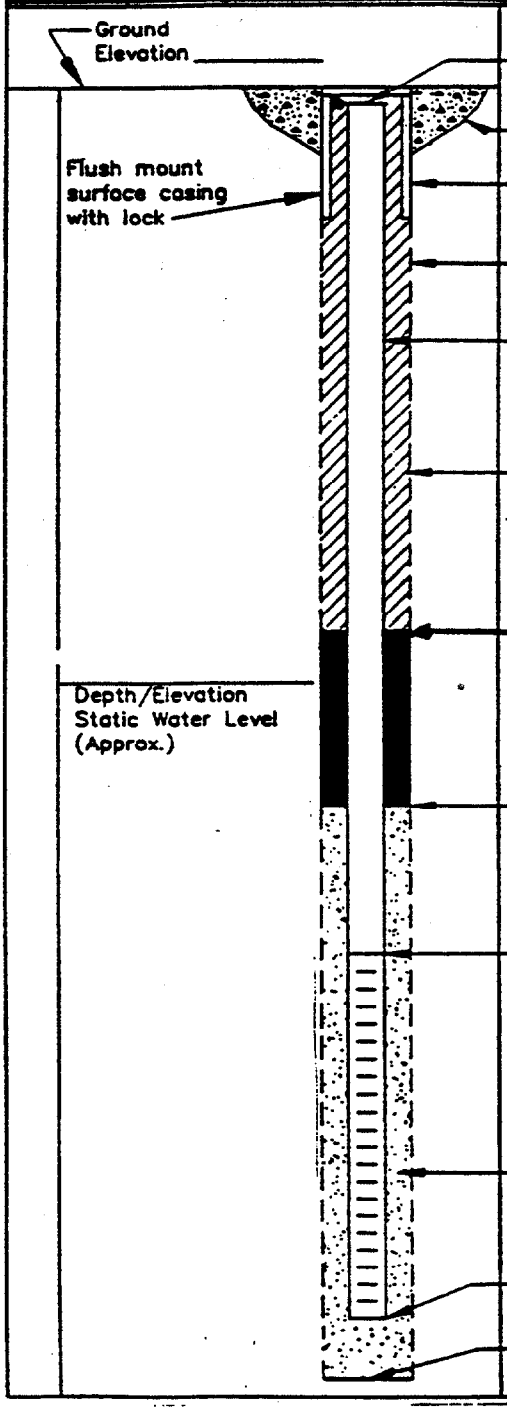
* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 2DMW28S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 2DMW28S	DRILLING METHOD:
ELEVATION:	DATE: 12-2-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: 14'/

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 16'/

DEPTH/ELEVATION TOP OF SCREEN: 17'/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 22'/

DEPTH/ELEVATION BOTTOM OF SAND: 22'/

DEPTH/ELEVATION BOTTOM OF HOLE: 22'/

BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW28D
PROJECT NO.: 9594 DATE: 12-4-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE \ W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						SEE BORING 2DMW28S		10 5/8" ϕ AIR ROTARY
							FOR LITHOLOGY TO 22'		FROM 0' TO 26'
									SET CASING @ 26'
	5.0								
	10.0								
	15.0								
	20.0								
	21.5			21.5'					HIT BR @ 21.5'±
	24.0				HARD	GRAY	BIO - QTZ - FSPAR GNEISS		1617→1654 24' TO 26'
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
LOG CUTTINGS FROM 21.5' TO 136'
5 7/8" ϕ AIR ROTARY 21.5' TO 136'

BORING 2DMW28D
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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW28D
PROJECT NO.: 9594 DATE: 12-4-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		25.0								
12/4										
12/6										
		30.0								
		35.0								
		36.0				HARD	GRAY	BIO - QTZ - FSPAR GNEISS		
		40.0								
		45.0								
		46.0				HARD	GRAY	BIO- QTZ-FSPAR GNEISS		
		50.0								

REMARKS

BORING 2DMW28D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 2DMW28D
PROJECT NO.: 9594 DATE: 12-6-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TSE / W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
	55.0								
	56.0				HARD	PINK	GNEISS		
	60.0								
	65.0				HARD	PINK TO GRAY	GNEISS		
	70.0								
	75.0								

REMARKS

BORING 2DMW28D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 2DMW78D
PROJECT NO.: 9594 DATE: 12-6-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TSE W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
	76.0				HARD	GRAY	GNEISS		
	80.0								
	85.0								
	86.0				HARD	D.GRAY	GNEISS		
	89.0				HARD	D.GRAY	SCHIST		
	90.0				HARD	GRAY	GNEISS		
	95.0								
	96.0				HARD	CREAM	GNEISS		
	100.0								

REMARKS

BORING 2DMW78D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 20MW28D
PROJECT NO.: 9594 DATE: 12-6-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TSE W. LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	100.0								
	105.0				HARD	GRAY	GNEISS		
	110.0								
	115.0								
	120.0								
	125.0								

REMARKS

BORING 20MW28D

PAGE 5 OF 6

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON
BORING NO.: 2DMW28D
PROJECT NO.: 9594
DATE: 12-6-93
DRILLER: EAST COAST THOMAS / W. LINGBERRY
ELEVATION:
FIELD GEOLOGIST: TSE
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	125.0								
	130.0								HIT H_2O @ 131' ±
	131.0								
	136.0								
							5 7/8" ø AR Drilling 0' TO 136'		6" ø Casing @ 26'
									6" ø Open Borehole
							TOTAL DEPTH 136'		26' TO 136'

REMARKS

BORING 2DMW28D

PAGE 6 OF 6

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 2DMW28D

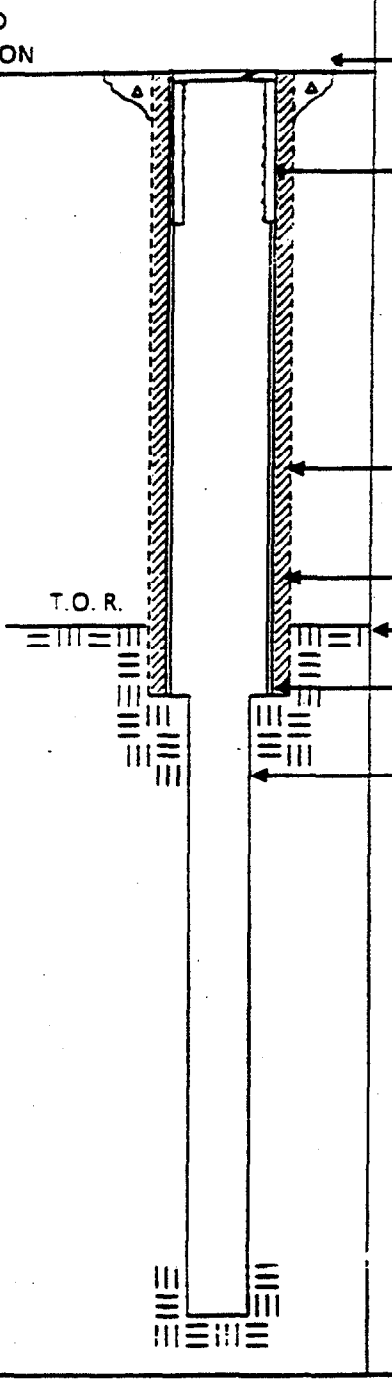
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST:

LOCATION: GROTON, CT
BORING: 2DMW28D
DATE: 12-6-93

DRILLER: EAST COAST
DRILLING METHOD: Air Rotary
DEVELOPMENT METHOD:



TYPE OF SURFACE SEAL: Concrete

I.D. OF CASING: 6"
TYPE OF CASING: Steel

TEMP. / PERM.: Perm

DIAMETER OF HOLE: 10 5/8"

TYPE OF CASING SEAL: Grout

DEPTH TO TOP OF ROCK: 21.5'

DEPTH TO BOTTOM CASING: 26'

DIAMETER OF HOLE IN BEDROCK: 6"

DESCRIBE IF CORE / REAMED WITH BIT:

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

ELEVATION / DEPTH OF HOLE: 136'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON
BORING NO.: 2DMW29S
PROJECT NO.: 9594
DATE: 11-30-93
DRILLER: EAST COAST THOMAS/ BRETT SWIATEK
ELEVATION:
FIELD GEOLOGIST: T. EVANS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY/SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS (HNU)
S-1	0.0	14 / N	2.0/2.0		M. DENSE	BRN	SAND W/ SOME GRAVEL (FILL)	SW	Max ϕ 0.15" (0 ppm)
@ 1400	2.0	14 / 11							
S-2		7 / 6	0.9/2.0		M. DENSE	BRN	SILTY SAND W/ GRAVEL & SAND (FILL)	SM	MOIST (0 ppm)
	4.0	5 / 5							Poorly Graded Sand
S-3		4 / 3	1.9/2.0		LOOSE	TAN	SAND	SP	MOIST (0 ppm)
	6.0	3 / 3		6.0'					Fine, Poorly Graded
S-4		3 / 2	1.3/2.0		LOOSE	TAN TO RUST	SAND W/TR ROOTS	SP	WET (0 ppm)
	8.0	3 / 6							Fine, Poorly Graded
S-5		3 / 5	1.0/2.0		M. DENSE	TAN TO RUST	SAND	SP	SATURATED (0 ppm)
	10.0	6 / 7							Fine, Poorly Graded
S-6		3 / 5	1.8/2.0		M. DENSE	TAN TO BRN	SAND	SP	(0 ppm)
	12.0	7 / 9							Fine, Poorly Graded
S-7		9 / 13	2.0/2.0		DENSE	TAN TO BRN		SP	
	14.0	19 / 10							
S-8		8 / 11	1.3/2.0		M. DENSE			SP	
@ 1440	16.0	12 / 13		16.0'					
							HSA to 16'		SCREEN 6'-16'
							SS to 16'		SAND 5'-16'
							8 SAMPLES		PELLETS 3'-5'
							TOTAL DEPTH 16'		

REMARKS CME 75 HSA RIG
4¼" ID AUGER
2" SS TO SAMPLE (140# Wt, 30" DROP)

BORING 2DMW29S
PAGE 1 OF 1

* See Legend on Back

BORING NO 2DMW29S

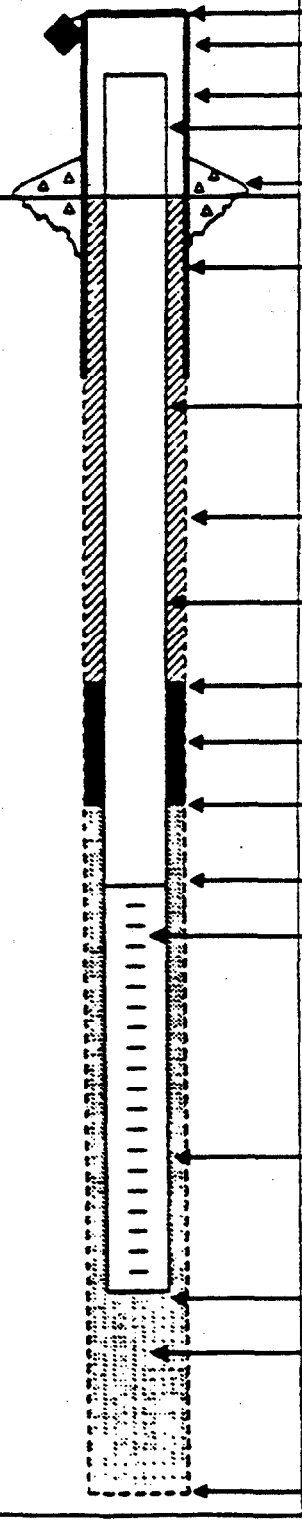
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST TSE

LOCATION GROTON, CT.
BORING 2DMW29S
DATE 11-30-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 1.89'
STICK - UP RISER PIPE : 1.74'
TYPE OF SURFACE SEAL: CONCRETE PAD
I.D. OF SURFACE CASING: 4" ϕ
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2" ϕ
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: SILICA SAND
ELEVATION / DEPTH TOP OF SEAL: 13'
TYPE OF SEAL: BENTONITE CHIPS
DEPTH TOP OF SAND PACK: 15'
ELEVATION / DEPTH TOP OF SCREEN: 16'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 116
ELEVATION / DEPTH BOTTOM OF SAND PACK: 116'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 116'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 2DMW30S
PROJECT NO.: 9594 — DATE: 11-30-93 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: T. EVANS — BRETT SWIATEK
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS (HNu)
S-1	0.0	6 / 4	1.8/2.0		LOOSE	BRN	SILTY SAND W/GNEISS	SM	(0 ppm)
@ 1115	2.0	4 / 5					(FILL) COBBLES		
S-2		15 / 27	0.6/2.0		V. DENSE		SANDY SILT W/GNEISS	SM	MOIST (0 ppm)
	4.0	25 / 11		4.0'			(FILL) COBBLES		max ϕ 0.2"
S-3		13 / 15	1.2/2.0		M. DENSE				(0 ppm)
	6.0	8 / 8							
S-4	7.0	38 / 100	0.5/1.0		V. DENSE		SILT W/GNEISS COBBLES	ML	WET (0 ppm)
S-5		28 / 30	1.0/1.3		V. DENSE	BRN TO GRAY	SAND W/GNEISS COBBLES	SP	WET (0 ppm)
@ 1150	8.3	100		9.0'					AVG ϕ 0.01" Weathered BR
	9.5								
									Refusal @ 9.5'
							HSA to 9.5'		SCREEN 4'-9'
							SS to 8.3'		SAND 3'-9.5'
							5 SAMPLES		PELLETS 1'-3'
							TOTAL DEPTH 9.5'		

REMARKS: CME 75 HSA RIG
4¼" ID AUGER
2" SS TO SAMPLE (140# Wt, 30" DROP)

BORING 2DMW30S
PAGE 1 OF 1

* See Legend on Back

BORING NO. 2DMW30S

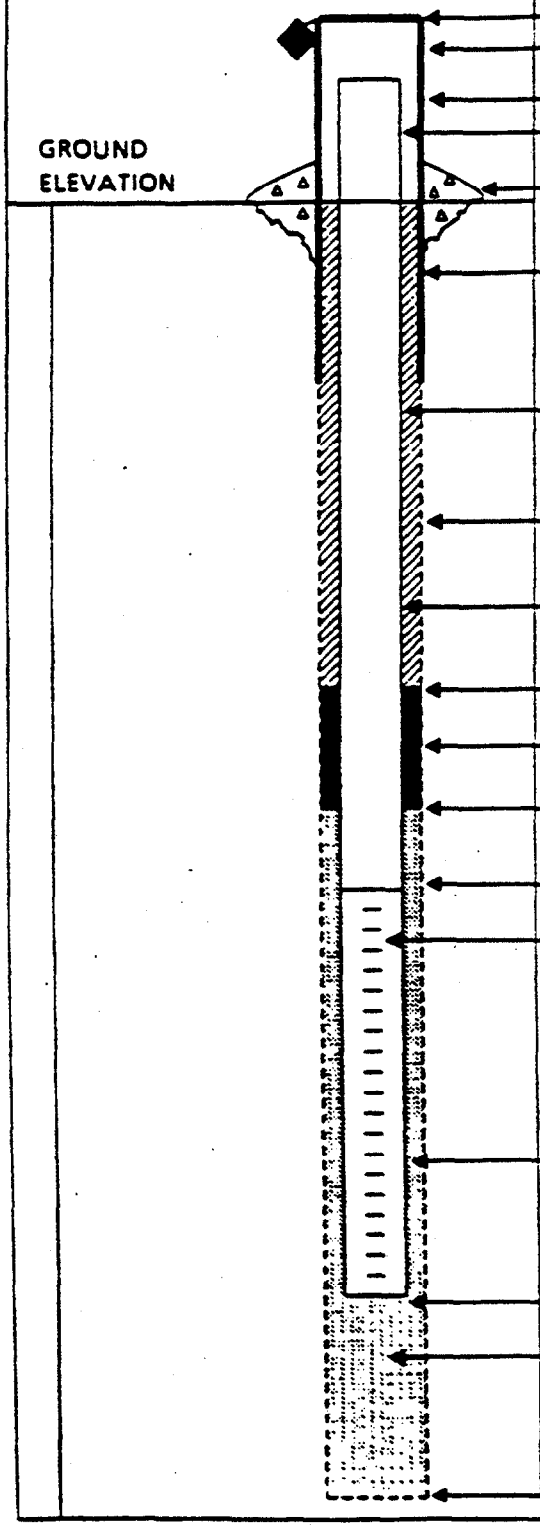
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST TSE

LOCATION GROTON, CT.
BORING 2DMW30S
DATE 11-30-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 1.92'
STICK - UP RISER PIPE : 1.78'
TYPE OF SURFACE SEAL: CONCRETE PAD
I.D. OF SURFACE CASING: 4" ϕ
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2" ϕ
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: N/A
ELEVATION / DEPTH TOP OF SEAL: 11'
TYPE OF SEAL: BENTONITE CHIPS
DEPTH TOP OF SAND PACK: 3'
ELEVATION / DEPTH TOP OF SCREEN: 14'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 5'
I.D OF SCREEN: 2"
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 19'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 19.5'
TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A
ELEVATION / DEPTH OF HOLE: 19.5'

APPENDIX A.6

SITE 4 - RUBBLE FILL AT BUNKER A86

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 4MW15
PROJECT NO.: 9594 — DATE: 02-03-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans / Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS (OVM)
S-1 @	0.0	15 / 15	1.5/2.0		Dense	Black to	Gravel w/Tr Sand	GP	Road bed Wet 0ppm
1438	2.0	20 / 15				Gray			Sand - M to CGr Gravel - Pebble Green-Basalt
S-2 @ 1523		15 / 22	1.1/1.8	BR@2.5'	V. Dense	Tan	Clayey Sand w/Tr Gravel	SC	Wet 0ppm
1452 4.0		62 / 100/5					Silty Sand w/Tr Gravel	SW	Sand - M to CGr Gravel - Gneiss, max Ø.3'
3.25/5.0	(1)	65%	4.5/5.0		Hard	Gray to Pink	Gneiss Hi & JNT @ 2.5' 2.8'	BR	Ee-Stained Gravel - Pebbles
1931 2/3 0815 2/4 0850								*	SS Refusal. Move 1' SW.
7.0							w/ sand seams in joints 3.3' 5.2	5.5'	Lo & Frac @ 5.0' 7.0' 5.5'
.75/1.5	(2)		1.4/1.5		Hard	Gray to Green	Gneiss w/sand seams	Br	Lo & Frac @ 7.2', 8.0' Hi & JNT 7.5', 7.6'
1030 1320 8.5									
									Lo & Frac @ 12.4', 9.9' 11.5'
									Core Barrel Break @ 8.6', 8.75', 9.1'
4.0/5.0	(3)	80%	5.0/5.0		Hard	Gray to Pink	Gneiss	VBr Br	10.9', 13.5'
1610 2/4 0851 2/7 13.5								M *	Pump H_2O out to 13.5' Recharge to 6' w/in 30" 2/4
									H_2O level @ 3.1' 2/7
3.9/5.0	(4)	75%	4.8/5.0		Hard	Gray to White	Gneiss	VBR Br	Lo & Frac @ 15.1' 15.2' 15.5' 16.0'
									Hi & JNT @ 16.5', 17.2' 15.3' 16.5' 16.9'
1247 18.5									
							Total Depth 18.5'		Core Barrel Break @ 17.4'
							Screen 8.5'-18.5'		→ 2" PVC .0.010 Slot
							Sand 6'-18.5'		→ -100# Bag Sand
							Pellets 3'-6'		→ -50# Bag Bentonite Pellets

REMARKS: Gemco GT 350 HSA Rig ATV
3" x 24" SS (140# WH Cat Head, 30" Drop)
4" Temp Steel Casing w/ Spin Cutter Head 0' to 8.5'
HQ (3½" OD) Core 2.5' to 18.5'
3⅞" Ø Roller bit 0' to 2.5'

BORING 4MW15
PAGE 1 OF 1

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

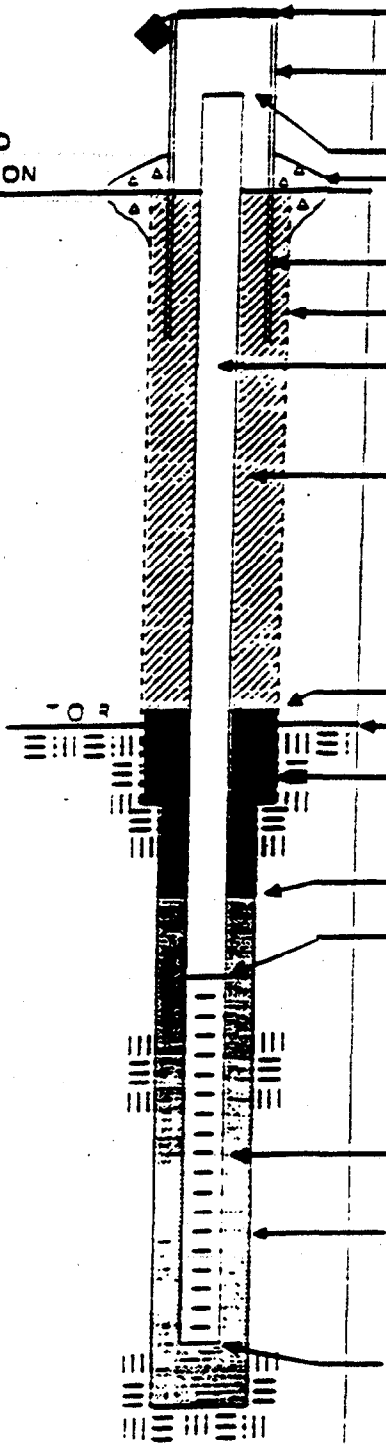
BORING NO: 4MW15

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Jim Evans

LOCATION: GROTON, CT
BORING: 4MW15
DATE: 2-7-94

DRILLER: EAST COAST
DRILLING METHOD: HSA / HQ Core
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING:

STICK UP OF CASING ABOVE GROUND SURFACE:

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 8"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC (Schedule 40)

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: 13'

ELEVATION / DEPTH TOP OF BEDROCK: 12.5'

TYPE OF SEAL: Bentonite Pellets

ELEVATION / DEPTH TOP OF SAND: 16'

ELEVATION / DEPTH TOP OF SCREEN: 18.5'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: Silica Sand

DIAMETER OF HOLE IN BEDROCK: 3"/12"

CORE / REAM:

ELEVATION / DEPTH BOTTOM SCREEN: 18.5'

ELEVATION / DEPTH BOTTOM OF HOLE: 18.5'

000002

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 4MW2S
PROJECT NO.: 9594 — DATE: 02-02-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans / Tim Sabo
WATER LEVEL DATA: —
(Date, Time & Conditions) —

	SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR OR USCS	REMARKS OVM
	S-1 @	0.0	3 / 3	1.0/2.0		M. Stiff	D. Brn to TAN	Topsoil Silt w/Tr Roots & Mica Flakes	ML	Top 2" 0ppm
	1513	2.0	3 / 5							
	S-2 @		4 / 3	1.4/2.0		V. Stiff	Brn	Clayey Silt w/Tr Charcoal & Gneiss Cobbles Roots, Gravel	ML	Moist to Wet 0 ppm
	1518 S-3	4.0	16 / 36							Mottled Gr - Pebbles
	1608	4.5	100/.5			V. Dense	L. Tan	Granite Cobble w/Tr Qu-wire & Sand	—	0 ppm, Rollerbit 4.5' to 6.5
								- Boulders 4.5' to 6.5'		Sand - V.C Gr, F-spar
2/2 2/3	6.5 @ 0835								VBr	Lo & Frac @ 7.0'
									Br M	7.05'
	4.2/5.0	①	84%	5.0/5.0		Hard	Gray to Pink	Gneiss w/ Granite		Lo & Frac @ 8.5'
										Hi & JNT @ 10.7' 11.5'
0930	11.5 @ 1005									Lo & Frac @ 12'
										Hi & JNT @ 12.5'
1048		②		3.1/3.5		Hard	Gray	Gneiss	M	
1103	15.0									Hi & JNT @ 14.6'
								- Total Depth 15.25		
								Screen - 4.5-14.5'		→ 2" PVC (0.010 slot)
								Sand 2.0-14.5'		→ 1-100# Bags Ottawa Sand
								Pellets 1.0-2.0		→ 1/4-50# Bags PDC Bentonite Plug

REMARKS Gemco CT 350 HSA Rig ATV
3" x 24" SS (140# Wt Cat Head, 30" Drop)
4" ID, 4½" OD Temp Steel Casing w/Cutter Head 0 to 6.5'

BORING 4MW2S
PAGE 1 OF 1

* See Legend on Back

3⅞" ϕ Roller bit 4.5'-6.5'
HQ (3½" OD) Core 6.5' - 15'

000003

HALLIBURTON NUS
Environmental Corporation

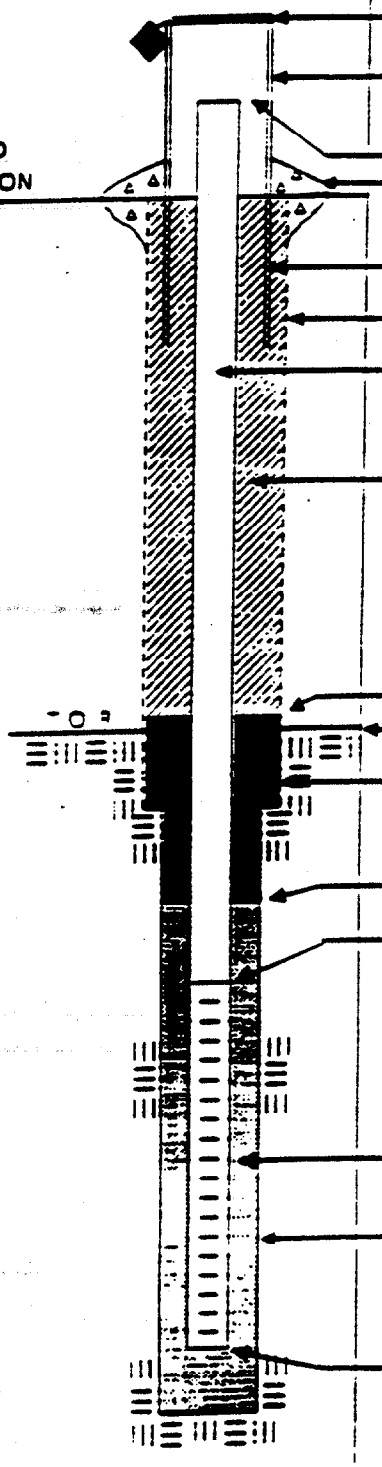
BORING NO. 4MW2S

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 4MW2S
DATE: 2-2-94

DRILLER: EAST COAST
DRILLING METHOD: HSA / HQ Core
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING:

STICK UP OF CASING ABOVE GROUND SURFACE:

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 8"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC (Schedule 40)

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: 11'

ELEVATION / DEPTH TOP OF BEDROCK: 16.5

TYPE OF SEAL: Bentonite Pellets

ELEVATION / DEPTH TOP OF SAND: 12'

ELEVATION / DEPTH TOP OF SCREEN: 14.5'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: Silica Sand

DIAMETER OF HOLE IN BEDROCK: 3 11/16"

CORE / REAM:

ELEVATION / DEPTH BOTTOM SCREEN: 19.5'

ELEVATION / DEPTH BOTTOM OF HOLE: 15.25'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 4MW35
PROJECT NO.: 9594 — DATE: 2-01-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans, Tim Sabo
WATER LEVEL DATA: —
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY / SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS (OVM)
S-1 @	0.0	6 8	1.7/2.0		M. Dense	D Brn to Tan	Silty Sand w/ Some Sand & Gravel Tr Roots	SP	Sand-VF Gr 0 ppm
0902 S-2 @	2.0	8 6							Sand & Gravel - CGr & Pebble
0912	2.8	17 100/3	0.7/0.8		V. Dense	Brn	Silty Sand w/ Tr Sand	SW	Moist Mottled 0 ppm
S-3 @ 0927		100/0	0.0/0.0				- No Recovery 2.8'-3.0' -		Weathered Rock in Shoe
4.5								VBr	Auger to 4.5' Poor Recovery
									* Wet Mtx CGr 0 ppm
							Lo % Frac 4.7, 4.8, 5.3, 5.4, 7.1, 7.2	BL	Auger Refusal @ 5.0'
									① Move 10' NW ② 5' SW
2.4/3.2	①		3.2/3.2			Gray to Pink	Gneiss & Granite	VBr	③ 5' S ④ 5' W
2/1 7.7							Hi % Frac 5.7-6.0', 6.0'-6.1', 7.3'-7.7'		Spin casing 0' to 9'
2/2 8.5 9.0									Roller bit 8.5'-9.0 (3 7/8" ø)
								VBr	
4.4/4.9	②		4.8/5.0			Gray to Pink	Gneiss & Granite	BL	
								VBr	Vert Frac 12'-14' 10.5'-11.5'
								BL	Lo % Frac 10', 11.4'*
13.5									Hi % J NT 10.8, 11.2, 12.0, 13.4*
							- Total Depth 13.5' -		* - Sand Filled
							Screen 3.5' - 13.5'		→ 2" PVC Schedule 40 0.010 Slot
							Sand 3' - 13.5'		→ 1-100# Bag Ottawa Sand
							Pellets 2' - 3'		→ ½-50# Bag Bentonite Pellets
									Auger to 5.0'
									to 4.0' ① → Bricks 1-2'
									to 3.0' ②
									to 5.5' ③
									to 4.5' ④

REMARKS: Diedrich D-50 HSA Rig (Gemco CT350 ATV-Mounted)
3" x 24" SST (140# wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING: 4MW35

PAGE 1 OF 1

* See Legend on Back

HQ Core (3 9/16" OD x 5')
4 7/8" OD Temp Casing

HALLIBURTON NUS
Environmental Corporation

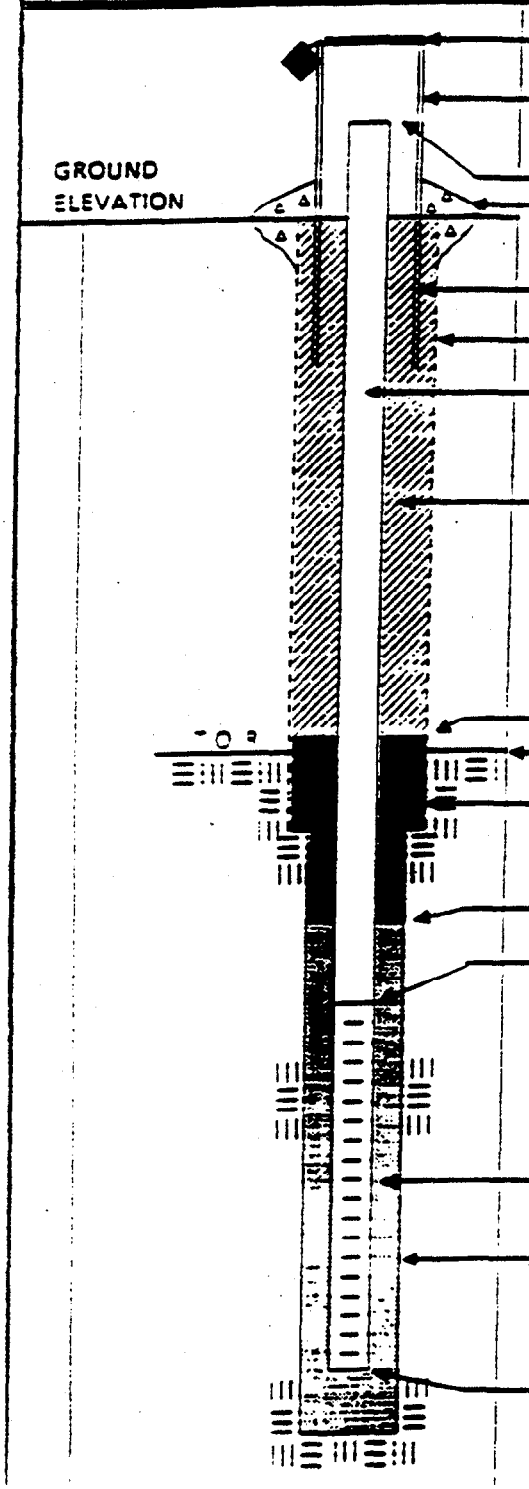
BORING NO: 4MW3S

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 4MW3S
DATE: 2-2-94

DRILLER: EAST COAST
DRILLING METHOD: core
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING:

STICK UP OF CASING ABOVE GROUND SURFACE:

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL:

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 8"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC (Schedule 40)

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: 12'

ELEVATION / DEPTH TOP OF BEDROCK: 14.5'

TYPE OF SEAL: Bentonite Plug

ELEVATION / DEPTH TOP OF SAND: 13'

ELEVATION / DEPTH TOP OF SCREEN: 13.5'

TYPE OF SCREEN: PVC (Schedule 40)

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: Ottawa Sand

DIAMETER OF HOLE IN BEDROCK: 4"

CORE / REAM: 3"/16" core 4.5'-13.5'

ELEVATION / DEPTH BOTTOM SCREEN: 13.5'

ELEVATION / DEPTH BOTTOM OF HOLE: 13.5'

000006

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 4MW4S
PROJECT NO.: 9594 — DATE: 02-8-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	0.0	4 / 7	0.1/2.0		V. Stiff	D. Brn	Sandy Silt w/ Tr org	ML	Topsoil Poor Recovery
0910	2.0	9 / 10							Sand - VF to Mgr
S-2 @		14 / 27	0.1/1.3		Hard	D. Brn	Sandy Silt w/ Tr org & Gneissic cobble	ML	Poor Recovery
0917 C-3	3.3	100/.2 / 28	0.1/1.3		↓	↓	↓	↓	
@ 1030	4.6	100/3			↓	↓	↓	↓	Refusal @ 4.6'
1130	7.0							VBr Br VBr	Lo & Frac 7.5', 7.7', 7.8', 8.7'
									Hi & JNT 8.3', 8.5', 8.6', 10.0', 11.5'
	①		4.7/5.0		Hard	Gray	Gneiss	BL	Break 11.3'
12.0								Br	
									Hi & JNT 12.8', 13.8', 14.0'
	②		2.5/2.5		Hard	Gray	Gneiss	BL	Break 12.3' Lo & Frac 14.2', 14.4'
1550	14.5							Br	* Pump H2O to 14.5'
							- Total Depth 14.5' -		Recharge ~~[illegible]~~ to 14.0' → Artesian
							Screen 4.5' - 14.5'	→	2" PVC 0.010 Slot
							Sand 3.0 - 14.5'	→	1-100# Bag Quartz Sand
							Pellets 2.0' - 3.0'	→	1/4-50# Bag Bentonite Pellets

REMARKS: Dietrich D-50 HSA (Bombadier-Mounted)
3" x 24" SS (140# wt, 30" Drop Cat Head)
HQ Core (3 3/4" OD x 5') 7.0' to 14.5'
4" ID, 4 1/2" OD Temp Spin Casing 0' to 8'

BORING 4MW4S
PAGE 1 OF 1

* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

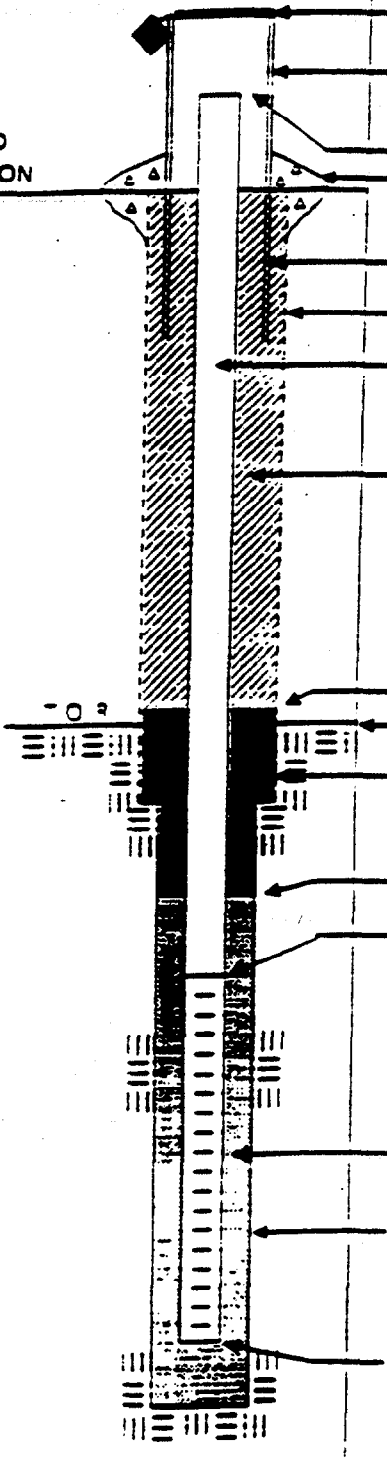
BORING NO. 4MW4S

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST Tim Evans

LOCATION GROTON, CT
BORING 4MW4S
DATE 2-8-94

DRILLER EAST COAST
DRILLING METHOD HSA / HQ Core
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING:
STICK UP OF CASING ABOVE GROUND SURFACE:
ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
I.D. OF SURFACE CASING: 4"
DIAMETER OF HOLE: 8"
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: PVC (Schedule 40)
TYPE OF BACKFILL: N/A
ELEVATION / DEPTH TOP OF SEAL: 12'
ELEVATION / DEPTH TOP OF BEDROCK: 14.5
TYPE OF SEAL: Bentonite Pellets
ELEVATION / DEPTH TOP OF SAND: 13'
ELEVATION / DEPTH TOP OF SCREEN: 14.5'
TYPE OF SCREEN: PVC (Schedule 40)
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. SCREEN: 2"
TYPE OF SAND PACK: Silica Sand
DIAMETER OF HOLE IN BEDROCK: 3 9/16"
CORE / REAM:
ELEVATION / DEPTH BOTTOM SCREEN: 14.5'
ELEVATION / DEPTH BOTTOM OF HOLE 14.5'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 4MW4D
PROJECT NO.: 9594 DATE: 02-15-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS / TIM SABO
WATER LEVEL DATA:
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		0.0						See Boring 4MW4S		
								for Litho to 4.5		
		3.0			3.0' ±					Hit BR @ 3.0' ±
								Boulder		
	0.0/0.75		0%	0.0/0.75				(NO Recovery)		
					8.5' ±					
2/15	0.8/1.0			0.8/1.0		HARD	GRAY	GNEISS	Br	Core Breaks @ 8.7', 9.1', 9.5'
2/16									VBr Br	Hi & JNT 10.2', 10.75', 10.8', 10.9'
									VBr BL	13.0' Lo & Frac 10.1', 14.85'
	4.3/5.0	3	86%	5.0/5.0		Hard	Gray to Pink	Gneiss & Granite		Core Break 13.9'
2/16 2/17									VBr	↓ H2O artesian *
									BL	Lo & Frac 16.1', 18.4'
										Hi & JNT 15.9'
	3.9/4.2	4	93%	4.2/4.5		Hard	Gray to Pink	Gneiss & Granite		
0900 0916									Br M	
	3.3/3.3	5	100%	3.3/3.5		Hard	Gray to Pink	Gneiss & Granite		
1145 1210 1530 2/18	1.0/1.0	6	100%	1.0/1.0		Hard	D. Green Black	Gneiss w/ Amphibole	BL	
	1.0/1.0	7	100%	1.0/1.0		Hard	D. Gray	Gneiss w/ Amphibole	BL	Lo & Frac 24.4', 24.5'

REMARKS Diedrich D-50 HSA Rig (Bombardier-Mounted)
HQ Core (3"/16" OD)
4" (4½" OD) Spin Casing 0 to 9.5'
3⅞" ø Roller bit 3.0' to 10.0'

BORING 4MW4D
PAGE 1 OF 2

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 4MW4D
PROJECT NO.: 9594 — DATE: 02-18-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans, Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
0927									VBr Br	K-No Natural Fracs
	3.6/4.5	8	80%	4.5/5.0		Hard	D. Gray to Green	Gneiss w/ Some Amphibole & Granite		
1300	30.0									
1330									M	
	5.0/5.0	9	100%	5.0/5.0		Hard	D. Gray	Gneiss (Migmatic)	1	
										Lo ∡ Frac 33.5'
1530	35.0									
1610									BL	Break (?) 36.0', 36.75', 37.2'
1735	2.1/2.5	10	84%	2.5/2.5		Hard	D. Gray to D. Green	Gneiss	Br	Hi ∡ Frac 37.0'
									Br	
2/19	2.3/2.5	11	92%	2.5/2.5		Hard	D. Gray	Gneiss		Core Break 37.6' Hi ∡ INT 38.9'
										Lo ∡ Frac 39.5'
								- Total Depth 40' -		
								Screen 30' - 40'		→ 2" PVC (0.010 Slot)
								Sand 24.25' - 40'		→ 1 - 100# Bag Ottawa Sand
								Pellets 1 - 24.25		→ 2½ - 50# Bag Bentonite Pellets

REMARKS

BORING 4MW4D

PAGE 2 OF 3

* See Legend on Back

000010

HALLIBURTON NUS
Environmental Corporation

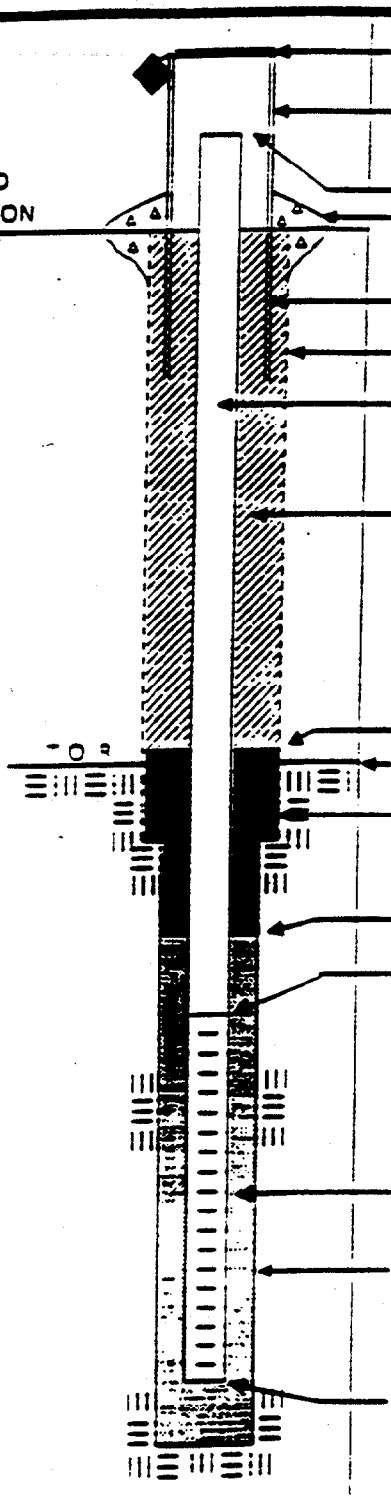
BORING NO: 4MW4D

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 4MW4D
DATE: 2-19-94

DRILLER: EAST COAST
DRILLING METHOD: HSA / HQ Core
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING:
STICK UP OF CASING ABOVE GROUND SURFACE:
ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
I.D. OF SURFACE CASING: 4"
DIAMETER OF HOLE: 8"
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: PVC (Schedule 40)
TYPE OF BACKFILL: N/A
ELEVATION / DEPTH TOP OF SEAL: 11'
ELEVATION / DEPTH TOP OF BEDROCK: 18.5
TYPE OF SEAL: Bentonite Pellets
ELEVATION / DEPTH TOP OF SAND: 124'
ELEVATION / DEPTH TOP OF SCREEN: 130'
TYPE OF SCREEN: PVC (Schedule 40)
SLOT SIZE x LENGTH: 0.010 x 10'
I.D. SCREEN: 2"
TYPE OF SAND PACK: Silica Sand
DIAMETER OF HOLE IN BEDROCK: 3 1/16"
CORE / REAM:
ELEVATION / DEPTH BOTTOM SCREEN: 140'
ELEVATION / DEPTH BOTTOM OF HOLE: 140'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 4TB1
PROJECT NO.: 9594
DATE: 2-2-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-2-94 0°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	7 4	1.2		LOOSE	BROWN	SILTY, VERY FINE TO FINE SAND	FILL	HNU-0 09:20
		3 3	2.0			BROWN	TR-LITTLE MEDIUM GRAVEL	FILL	MOIST
S-2	2-4	2 4	1.0		M. DENSE	BROWN	SILTY MEDIUM TO COARSE SAND	FILL	HNU-0 09:28
		9 16	2.0			BROWN	TR-LITTLE MEDIUM GRAVEL	FILL	MOIST
S-3	4-6	6 13	.85		M. DENSE	BROWN	SILTY MEDIUM-COARSE SAND TR-	FILL	HNU-0 09:37
		14 7	2.0			BROWN	LITTLE MED. GRAVEL TR. FLYASH	FILL	MOIST
S-4	6-8	27 18	.9		M. DENSE	GRAY-BROWN	SILTY MEDIUM-COARSE SAND	FILL	HNU-0 09:47
		9 6	2.0			GRAY-BROWN	AND MEDIUM-COARSE GRAVEL	FILL	MOIST
S-5	8-10	12 9	1.0		DENSE	BROWN	COARSE GRAVEL - Cobbles	FILL	HNU-0 09:54
▽		30 9	2.0			BROWN	AND SILTY FINE-COARSE SAND	FILL	MOIST-WET
S-6	10-12	7 17 50/0	1.0		V. DENSE	ORANGE BROWN	CLAYEY SAND, WEATHERED BIOTITE	SC	HNU-0 10:02
							GNEISS IN T.P OF SAMPLER		WET
							BOTTOM OF BORING = 12.5'		

REMARKS Driller: Floyd Cross Rig: CME 75

BORING 4TB1

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 4TB2
PROJECT NO.: 9594
DATE: 02-08-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	0.0	5 / 7	1.7/2.0		Stiff	BRN	Sandy Silt w/ Tr Gneissic gravel & Roots	ML	mottled sand - v f gr 0ppm
0814	2.0	5 / 4							
S-2 @		14 / 28	1.5/1.5		Hard	Brn to Gray	Silty Sand w/ Tr Gneissic Gravel & Roots	SM	Sand - f gr 0ppm
0818	3.5	100/6							
									refusal @ 3.5'

REMARKS Dietrich D-50 HSA Rig (Bombadier-mounted)
3" x 24" SS (140 # wt, 30" Drop, Cat Head)

BORING 4TB2

PAGE 1 OF 1

* See Legend on Back

APPENDIX A.7

SITE 6 - DRMO

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 6MW2D
PROJECT NO.: 9594
DATE: 12-20-93
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: CONTI
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS HNU
S-1 e	0.0	10 / 9	2.0/2.0		M DENSE	BRN	SILTY SAND - SOME GRAV	SP	MOIST 0 PPM
0910	2.0	9 / 15							2" GRAVEL
S-2 e		10 / 10	1.8/2.0		M DENSE	BRN	SILTY SAND - SOME GR	SP	MOIST → WET
0915	4.0	9 / 10					TR BRICKS		FILL ? 0 PPM
S-3 e		4 / 6	1.7/2.0		M DENSE	BRN	SILTY SAND - SOME GR	SP	[WATER ≈ 4 TO 5']
0920	6.0	6 / 5							SENT S-3 TO LAB
S-4 e		7 / 7	.6/2.0		M DENSE	BRN	SILTY SAND - SOME GR	SP	WET 0.5 PPM
0925	8.0	7 / 6					TR WOOD FRAG.		
S-5 e		3 / 7	.7/2.0		LOOSE	BRN	SILTY SAND / SANDY	SP	WET 0 PPM
0935	10.0	4 / 3					SOME GR. SILT	SW	
S-6 e		19 / 10			LOOSE	TAN BRN	FINE TO MED SAND	SP	WET 0 PPM
0940	12.0	5 / 5		12.0					POOR REC
S-7 e		NO BLOW COUNT			DENSE	BLACK BRN	WOOD		HIT REF@ 12'± NOT SURE IF ITS ROCK
0950	14.0			FILL ? BELOW WT ?					OR WHAT. APPEARS TO BE WOOD
	15.0								HAS CREOSOTE ODOR
S-8 1005		21 / 23	1.8/2.0		DENSE		WOOD		80 PPM HNU
	17.0	27 / 29							
	20.0								
S-9		100/0	0/0				NO REC		? WOOD
									CREOSOTE ODOR.

REMARKS CME 75 RIG 3" SPOONS TO
• SENT TO LAB 6MW2D-0406 <1 OZ
→ BASED ON WT <1 OZ

BORING 6MW2D
PAGE 1 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW2D
PROJECT NO.: 9594 DATE: 12-20-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-10	25.0	4/7	0/0		M DENSE		NO REC		WET
@ 1030	27.0	8/8							NOT SURE - LOOKS
									LIKE FILL WELL
									BELOW LST.
									NO REC DUE TO
									PUSHING WOOD
S-11	30.0			30.0					AHEAD OF DRIVE
@ 1040		4/8	2.0/2.0		STIFF	BRN GRAY	CLAYEY SILT / SILTY	ML	SHOE. WET 2 PPM
3"	32.0	5/5					CLAY TR SHELL AND	/OL	ORGANIC PEAT
2"							WOOD FRAG		SULPHUR ODOR
SPOON									
S-12	35.0								
@ 1100		3/3	2.0/2.0		STIFF		CLAYEY SILT - TR CLAY	ML/	WET 2 PPM
	37.0	5/5					TR SHELLS	OL	ORGANIC PEAT
S-13	40.0								
@ 1115		3/4	2.0/2.0		M. STIFF	OLIVE BRN	CLAYEY SILT/SILTY CLAY	ML	WET 0 PPM
	42.0	2/5					TR SHELLS	/OL	
S-14	45.0								
@ 1130		0/0	2.0/2.0		SOFT.		CLAYEY SILT/SILTY CLAY	ML	WET 0PPM
	47.0	3/3					TR SHELLS	/OL	STILL "ORGANIC" PEAT

REMARKS

BORING 6MW2D

PAGE 2 OF 4

* See Legend on Back

000002

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 6MW2D
PROJECT NO.: 9594
DATE: 12-20-93
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: CONTI
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-15 @ 1310	50.0	0 / 2 / 2 / 3	2.0/2.0		SOFT	OLIVE BRN	SILTY CLAY / CLAYEY SILT	ML / CL	WET 0PPM
	52.0						TR SHELLS		
S-16 @ 1330	55.0	4 / 4 / 4 / 4	2.0/2.0		Stiff		CLAYEY SILT / SILTY CLAY	ML /	MOIST → WET 0PPM
	57.0						TR SHELLS	CL	SAME AS ABV.
									(ORGANIC PEAT)
	60.0								
S-17 @ 1350	62.0	0 / 3 / 3 / 4	1.9/2.0		M. STIFF	OLIVE BRN	CLAYEY SILT - TR SHELLS	ML	MOIST 0.5PPM
									SAME AS ABV.
									MAYBE A BIT DRIER SAME CONSISTENCY
	65.0								
S-18 @ 1412	67.0	0 / 0 / 0 / 3	1.8/2.0		V SOFT	OLIVE GRAY	CLAYEY SILT - TR WOOD FRAG.	ML	MOIST 0PPM
									NOT MANY SHELLS
									MORE LAYERED WOOD
									FRAGS (BEACH DEP)
S-19 @ 1510	70.0	0 / 4 / 4 / 5	2.0/2.0		M. STIFF	GRAY	CLAYEY SILT / SILTY CLAY	CL / ML	MOIST 0PPM
	72.0						TR WOOD FRAG		

REMARKS: 0 = WT OF RODS / 6"

BORING 6MW2D

PAGE 3 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW2D
PROJECT NO.: 9594 DATE: 12-20-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: CONTI
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
12/20 12/21	S-20 @	75.0	3 5 7 9	2.0/2.0	76.5	SOFT/ MDENSE	GRAY	SILTY CLAY/CLAYEY SILT	CL/ML	MOIST → WET
	0945	77.0				MDENSE	GRAY	FINE TO MED SAND	SP	WET - CONTACT IN SPOON
	S-21 @ 1010	80.0	12 20 20 24	1.8/2.0	SAND	DENSE	GRAY	FINE TO COARSE SAND - TR GRAVEL	SW	MOIST → WET ½" GRAVEL
		82.0								
	S-22 @ 1055	85.0	10 13 38 50	1.7/2.0	85.0	VDENSE	GRAY	FINE SILTY SAND - TR GR/ROCK FRAG.	SM	MOIST → WET GR/ROCK FRAG ARE IN DRIVE SHOE - REST OF SAMPLE IS SILTY SAND - FINER THAN S-21 - BUT NOT A CONFINING LAYER
		87.0								
	S-23 @ 1135	88.5 90.0	100/.5	0/.5	88.5 REF	HARD	GRAY	GNEISS		AUGER IS "GRINDING" AT ≈ 87, BUT CUTTING COULD BE ROCK?
								BOTM HSA 88.5		
								SCR 77 TO 87		
								SAND 88.5 → 75.5		NO REC AT S-23
								PELLETS 73.5 → 75.5		AUGER/SS REF. A FEW GNEISS CUTTING ON DRIVE SHOE IS ONLY INDICATION OF BR. STOPPED HERE.

REMARKS

BORING 6MW2D

PAGE 4 OF 4

* See Legend on Back

BORING NO: 6MW2D

HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST S CONTI

LOCATION NEW LONDON CT
BORING 6MW2D
DATE 12-20-93

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD PUMP

ELEVATION OF TOP OF SURFACE CASING:
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE:
TYPE OF SURFACE SEAL: CEMENT/BENTONITE
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC
BOREHOLE DIAMETER: 8"
TYPE OF BACKFILL: CEMENT BENTONITE GROUT
ELEVATION / DEPTH TOP OF SEAL: 173.5
TYPE OF SEAL: BENTONITE PELLETS
DEPTH TOP OF SAND PACK: 175.5
ELEVATION / DEPTH TOP OF SCREEN: 177.0
TYPE OF SCREEN: PVC SCH 40
SLOT SIZE x LENGTH: 10 SL X 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: 20 - 30 SIEVE
ELEVATION / DEPTH BOTTOM OF SCREEN: 187.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 188.5
TYPE OF BACKFILL BELOW OBSERVATION WELL: SAND PACK
ELEVATION / DEPTH OF HOLE: 188.5

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 6MW3D
PROJECT NO.: 9594 — DATE: 1-5-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Jim Ferguson
WATER LEVEL DATA:
(Date, Time & Conditions) 1-5-93 Sunny 17° (snow) 1-6-93 25° Overcast

	SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	S-1	0-2	14 14 18 11	1.6 / 2.0		DENSE	Brown	Silty Fine to Coarse Sand	SW	HNU-0 11:52
							Brown	TR- Brick - Flyash Some Fine-Coarse Metal Gravel	SW	Moist
	S-2	2-4	10 8 9 8	.75 / 2.0		M. Dense	Brown	Silty F-C Sand, Some metal.	SW	HNU-0 12:00
							Brown	F-C Gravel	SW	Moist - Wet
	S-3	4-6	3 3 2 2	.85 / 2.0		Loose	Brown	Silty F-C Sand Tr. Fine Gravel	SW	HNU-0 14:15
							Brown	grades to silty Sand	SM	Wet
	S-4	6-8	5 6 8 8	.80 / 2.0		M. Dense	Brown-Pink	Silty F-C Sand Some F-M	SW	HNU-0 14:26
					WOOD		Brown-Pink	Gravel, Some Wood + Metal	SW	Wet Fill
	NO SAMPLE	8-10	W O R	— / 2.0	NO RECOV.			No Recovery	Fill	Attempted Sample 14:37
									Fill	No Recovery
	NO SAMPLE	10-12		— / 2.0				Augers @ 10.0' → Auger Plug	Fill	
								Due To W.O.R. @ 12.0	Fill	
1-5	S-5	12-12.5	6 100/0	.5	WOOD	V. Dense	Brown-Pink	Fine-Coarse Sand, Some F-C	SW	HNU-0 14:02
								Gravel and Wood	Fill	Wet Sulfur Odor
					WOOD				Fill	Offset 15' East of original borehole Auger to 15' to take sample 6
1-6	S-6	15-17	5 3 4 4	1.0 / 2.0		M. Stiff	Green Gray	Clayey Silt Trace Fine	ml	HNU-7.8 14:30
							Green Gray	Rounded Gravel	ml	Moist Unusual Odor
1-10	S-7	20-22	3 2 1 1	1.0 / 2.0		Soft	Green Gray	Silt Tr. Fine Sand	ml	HNU-1.1 10:10
							Green Gray		ml	Wet

REMARKS Drill Rig: CME 75 Driller - Wayne Lindbloom 3" Ø Samples
Soil Sample 6MW3D-0406 sent to lab 1-8-02.
3" Ø Samples from S-6 ↓ 1-8-02

BORING 6MW3D
PAGE 1 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW3D
PROJECT NO.: 9594 DATE: 1-10-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 1-10-93 08:30 (-10°F-10°)

	SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
1-10	S-8	25-27	3 3	1.0		SOFT	GRAY	Sandy (fine) SILT, MICACEOUS	ml	HNU-0 10:27
			1 1	2.0			GRAY		ml	MOIST sulfur odor
	S-9	30-32	W R	2.0		V. SOFT	GREEN GRAY	Clayey SILT, MICACEOUS, Tr.	ml	HNU-0 10:37
			1 1	2.0			GREEN GRAY	Organic mat. (roots etc.)	ml	moist sulfur odor
	S-10	35-37	W R	2.0		V. SOFT	Green Gray	Clayey SILT, MICACEOUS with white	ml	HNU-0 10:51
			1 1	2.0			Green Gray	bivalves + gastropods	ml	moist sulfur odor
	S-11	40-42	W R	2.0		V. SOFT	Green Gray	Clayey Silt, MICACEOUS with	ml	HNU-0 11:10
			1 1	2.0			Green Gray	shell fragments.	ml	moist sulfur odor
	S-12	45-47	1 W R	2.0		V. SOFT	Green Gray	Clayey Silt, MICACEOUS with	ml	HNU-0 11:26
			1	2.0			Green Gray	shell fragments	ml	moist

REMARKS

BORING 6MW3D

PAGE 2 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW3D
PROJECT NO.: 9594 DATE: 1-10-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R Ferguson
WATER LEVEL DATA :
(Date, Time & Conditions) 1-10-93 (-10°F - 10°F)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-13	50-52	1 1	1.1		V. Loose	Green Gray	Silty Fine to Coarse Sand Trace to	SM	HNU-0 12:17
		1 1	2.0			Green Gray	some fine to coarse gravel and shell frags.	SM	WET
S-14	55-57	1 2	1.3		Loose	Green Gray	Silty fine to coarse Sand, trace to	SM	HNU-0 12:46
		3 4	2.0			Green Gray	some fine gravel and shell fragments	SM	WET
S-15	60-62	6 5	1.5		Loose	GRAY	Silty Sandy (F-m) Fine to Coarse	GW	HNU-0 13:00
		5 7	2.0	WOOD		GRAY	gravel (subang-subround). wood last 3"	GW	WET
S-16	65-67	3 10	.95		M. Dense	GRAY	Silty Sandy Fine to Coarse Gravel and	SM/GM	HNU-0 13:36
		10 22	2.0			GRAY	Silty Gravelly Fine to Coarse Sand with wood	SM/GM	WET
S-17	70-72	4 6	.75		M Dense	GRAY	Silty Very Fine - Fine Sand	SM	HNU-0 14:00
		12 14	2.0			GRAY		SM	WET

REMARKS

BORING 6MW3D

PAGE 3 OF 4

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 6MW3D
PROJECT NO.: 9594 — DATE: 1-10-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-10-93 (-10°F - 10°F) 1-11-93 (6°F - 20°F)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	S-18	75-77	3 / 4	—		M. Dense		No Recovery		HNU-0 15:10
			10 / 12	2.0						—
1-11	S-19	80-82	1 / 2	1.2		M. Dense	Gray	Fine to Coarse Sand, Trace to	SW	HNU-0 09:01
			10 / 26	2.0			Gray	Some Gravel	SW	Wet
	S-20	85-87	1 / 2	—		Loose	—	No Recovery	—	HNU-— 9:45
			4 / 12	2.0					—	—
	S-21	90-92	52 / 54	.5 / 1.0		V. Dense	Gray-Pink	Silty, Fine to Coarse Sand with	SW	HNU-0 12:10
							Gray-Pink	Some Fine Granitic Gravel	SW	Wet
								Bottom of Boring = 90.0'		
								Discontinued Boring.		
								Drillers feel that Augers		
								are fleeing on an angulated		
								Bedrock surface.		

REMARKS 2" Ø PVC Well Installed screen from 85'-78' Sand 89'-76' Bentonite Pellets from 76'-71' → Bentonite Cement grout 71' to 15'

BORING 6MW3D

PAGE 4 OF 4

* See Legend on Back

BORING NO. 6MW3D

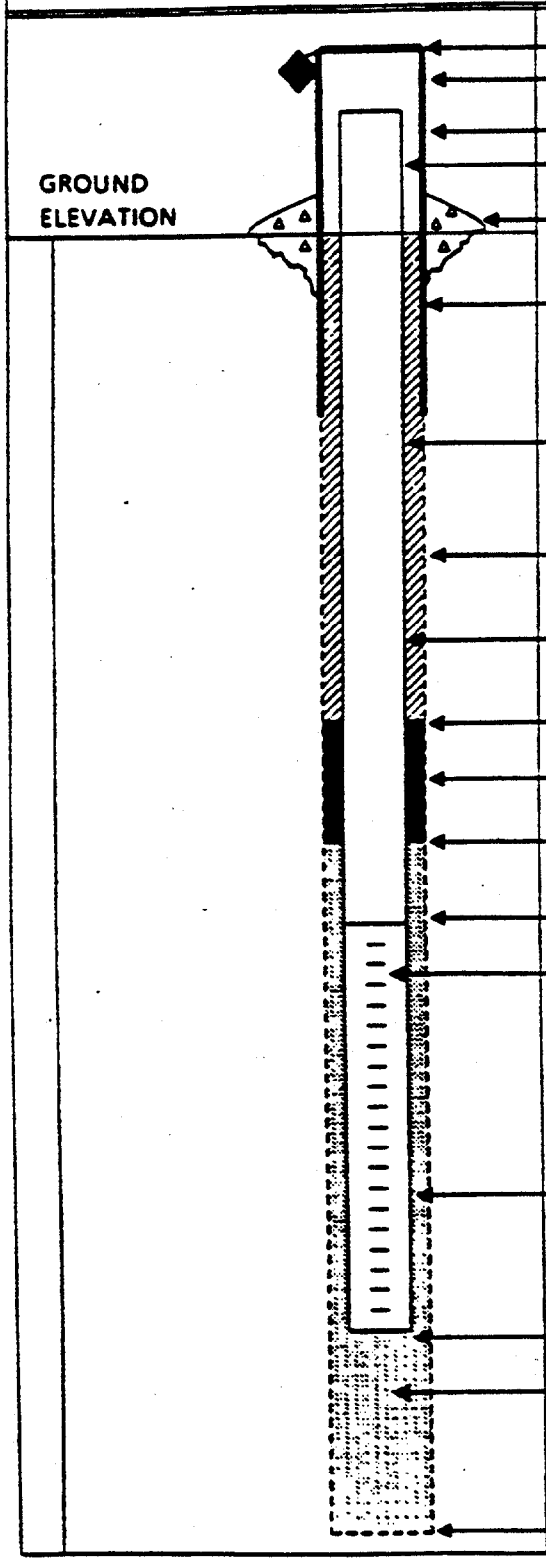
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. FERGUSON

LOCATION GROTON, CT.
BORING 6MW3D
DATE 1-11-93

DRILLER EAST COAST
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING:
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE:
TYPE OF SURFACE SEAL:
I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch. 40 PVC
BOREHOLE DIAMETER: 8" Ø
TYPE OF BACKFILL: BENTONITE/CEMENT GROUT
ELEVATION / DEPTH TOP OF SEAL: 171'
TYPE OF SEAL: BENTONITE PELLET
DEPTH TOP OF SAND PACK: 176
ELEVATION / DEPTH TOP OF SCREEN: 178'
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 - 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 188'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 189'
TYPE OF BACKFILL BELOW OBSERVATION WELL: SAND
ELEVATION / DEPTH OF HOLE: 191'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 6MW65
PROJECT NO.: 9594 — DATE: 01-10-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: TIM EVANS TIM SABO
WATER LEVEL DATA: —
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						NO SAMPLE 0'-5'		
	5.0								
S-1 @		13/13	0.9/2.0		M. Dense	L. Brn	GRAVELLY SAND	GP	DRY OVM 0ppm
1229	7.0	10/16							Sand - Med Gr, well rounded Gravel - 0.1" ø AVG, well rounded
	9.0								* Hit H_2O
									5'-7' 1-3" SS Chemical Sample 1-2oz. 1-8oz. jar
	10.0								#6MW65-0507
S-2 @		4/7	1.1/2.0		M. Dense	TAN TO PINK	SAND W/TR GRAVEL	GW	Saturated OVM 0ppm
1240	12.0	12/9							Sand - Coarse Gr, sub-round
	15.0								
S-3 @		9/16	1.5/1.5		V. Dense	TAN	SAND W/TR MICA	SP	OVM 0ppm
1256	16.5	100/X							SAND - Med to Fine Gr
	20.0								
S-4 @	21.0	1/14	1.5/1.5		V. Dense	TAN	SAND W/TR GRAVEL	SP	OVM 0ppm
1320	21.5	100/X							Sand - Med Gr. Gravel - Max ø 0.10
							HSA @ 22'		#Auger Refusal @ 22'
							SCREEN 6'-16' SAND 4'-16' PELLETS 2'-4'		
	25.0								

REMARKS: CME 75 HSA Rig
2" x 24" SS (140# Wt Cat Head, 30" Drop)
4¼" ID Auger

BORING 6MW65
PAGE 1 OF 1

* See Legend on Back

BORING NO 6MW6S

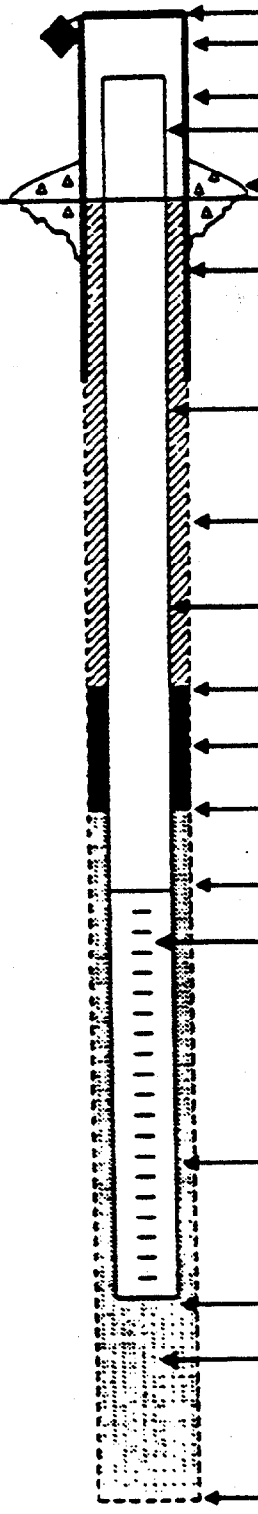
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST TIM EVANS

LOCATION GROTON, CT.
BORING 6MW6S
DATE 01-10-94

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:

STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE :

TYPE OF SURFACE SEAL: CEMENT

I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: STEEL

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL:

ELEVATION / DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: BENTONITE CHIPS

DEPTH TOP OF SAND PACK: 4'

ELEVATION / DEPTH TOP OF SCREEN: 16'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: SILICA SAND

ELEVATION / DEPTH BOTTOM OF SCREEN: 16'

ELEVATION / DEPTH BOTTOM OF SAND PACK: 16'

TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A

ELEVATION / DEPTH OF HOLE: 22'

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW6D
PROJECT NO.: 9594 DATE: 01-24-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Dick Spaulding
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
@ 1210	0.0						See Boring 6MW6S		8¾" ø Mud Rotary
							for Litho to 21.5'		0' to 28'
									Set 6" ø Casing to 28'
	5.0								
	10.0								
	15.0								
	20.0								
@ 1255	22.0			22.0					Hit BR @ 23'
	23.0			≡	Hard	Pink	Qtz-Fspar-Bio Gneiss		

REMARKS Chicago Pneumatic 672 Air Rotary Rig
8¾" ø Roller bit 0' to 28'
5⅞" ø Air Hammer 28' to 42'
Log Cuttings 23' to 42'

* See Legend on Back

BORING 6MW6D
PAGE 1 OF 2

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 6MW6D
PROJECT NO.: 9594 DATE: 01-24-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Dick Spaulding
WATER LEVEL DATA :
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
		25.0								
1/24	@ 1530	28.0								
1/25										
		30.0				Soft	D.Gray	Schist / Gneiss		
		36.0				Hard	Gray	Gneiss		
	@ 1140	37.0			▼					H_2O @ 37.0'± (8-10 gpm)
		42.0				Hard	Gray	Gneiss		
								Total Depth 42' -		
								6" ø Open Borehole		
								28' - 42'		
								Develop 30 min		

REMARKS

BORING 6MW6D

PAGE 2 OF 2

* See Legend on Back

000014

HALLIBURTON NUS
Environmental Corporation

BORING NO.: 6MW6D

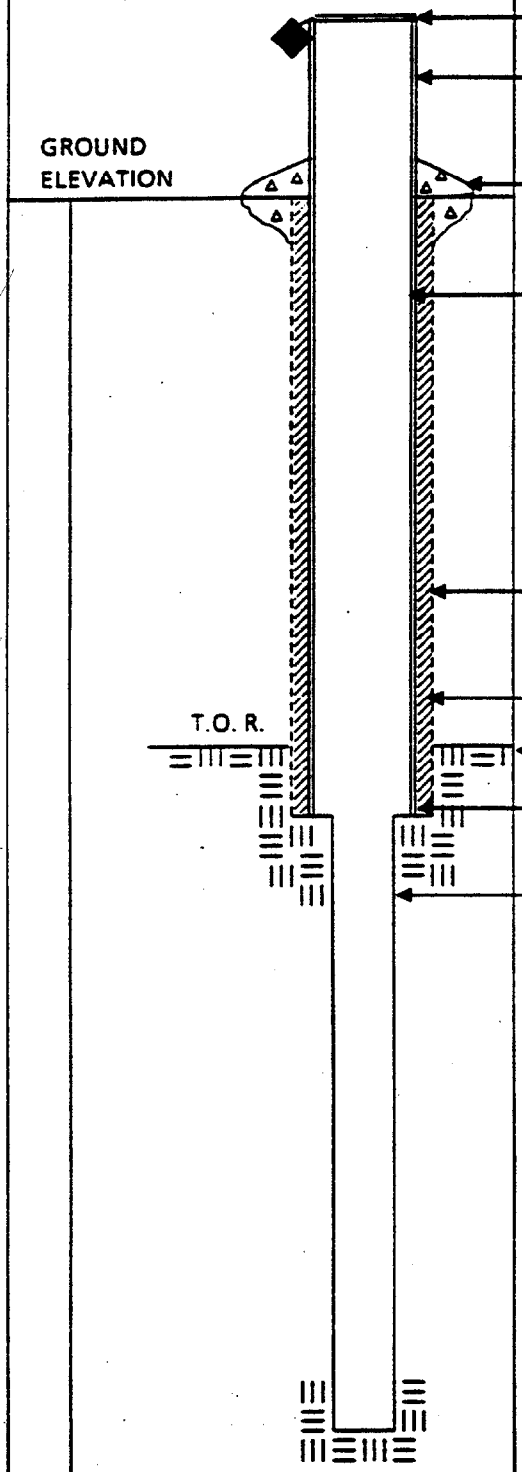
BEDROCK MONITORING WELL SHEET

OPEN HOLE WELL

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: GROTON, CT
BORING: 6MW6D
DATE: 1-25-94

DRILLER: EAST COAST
DRILLING METHOD: Mud/Air Rotary
DEVELOPMENT METHOD:



ELEVATION OF TOP OF CASING:

STICK UP OF CASING ABOVE GROUND SURFACE:

TYPE OF SURFACE SEAL: Concrete

I.D. OF CASING: 6"

TYPE OF CASING: Black Steel

TEMP. / PERM.: Perm

DIAMETER OF HOLE: 8 3/4"

TYPE OF CASING SEAL: Grout

DEPTH TO TOP OF ROCK: 22.0'

DEPTH TO BOTTOM CASING: 28.0'

DIAMETER OF HOLE IN BEDROCK: 5 7/8"

DESCRIBE IF CORE / REAMED WITH BIT:

N/A

DESCRIBE JOINTS IN BEDROCK AND DEPTH:

@ 37.0'

ELEVATION / DEPTH OF HOLE: 42.0'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 6MW7S
PROJECT NO.: 9594 — DATE: 01-11-94 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: TIM EVANS — TIM SARO
WATER LEVEL DATA:
(Date, Time & Conditions)

	SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	OVM
		0.0						Asphalt		Top 4"	
	S-1 @ 0915	- 3.0	41 / 35 / 18 / 21	1.5/2.0		Dense	L.BRN	GRAVELLY SAND w/SOME SILT	GP	Top 0.5' Snow & Ice; SAND - Fine to Med Gr; Gravel - Gneiss, Max Ø 0.2'	0 ppm
	S-2 @ 0923	5.0	31 / 30 / 30 / 15	1.2/2.0		V. Dense	BRN TO BLACK			MOIST	0 ppm
▲ *	S-3 @ 0958	7.0	60 / 40 / 39 / 25	0.6/2.0		V. Dense	BRN	SILTY SAND w/TR Gravel	SM	SATURATED 6MW7S-0507; Sand - Med Gr; Gravel - Max 0.2' Ø	1 ppm
*	S-4 @ 1006	9.0	32 / 51 / 35 / 21	0.9/2.0		V. Dense	BRN TO TAN	GRAVELLY SAND	GW	Sand - Coarse - Med Gr; Gravel - Max 0.1' Ø	0 ppm
*	S-5 @ 1019	11.0	18 / 15 / 11 / 35	1.2/2.0		M. Dense	BRN	GRAVELLY SAND	GW	SAND - Fine to Coarse Gr; Gravel - Max Ø 0.03'; f 1 Cobble 0.25' Ø	0 ppm
*	S-6 @ 1028	13.0	60 / 40 / 100/3 / x	0.7/1.3		V. Dense	D.BRN	SANDY GRAVEL w/SOME SILTY		SAND - Med - Coarse Gr; GRAVEL - COBBLE 0.2' Ø; Fe-Stained; Avg 0.1' Ø	0 ppm
	S-7 @ 1156	15.0	2 / 3 / 7 / 7	1.6/2.0		Stiff	D.BRN	Clayey Silt w/TR ORG SHELL	CL	Natural / organic; Sulfur odor	0 ppm
								— TOTAL DEPTH 14 —			
								HSA to 14'			
								SS to 15'			
								SCREEN 3.5'-13.5'			
								SAND 2.5'-13.5'			
								PELLETS 2 - 2.5'			

REMARKS CME 55
3" x 24" SS (140# Wt Cat Head, 30" Drop)
4¼" ID, 8" OD Auger

BORING 6MW7S
PAGE 1 OF 1

* See Legend on Back

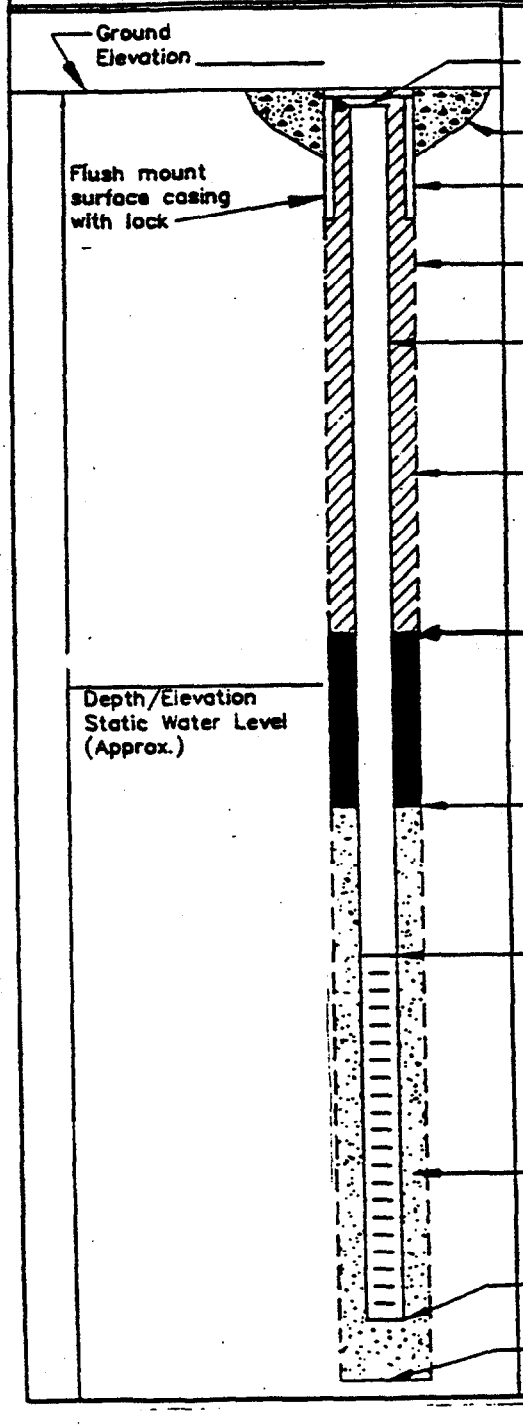
* Chemical Sample Only (1-2oz. & 1-8oz. Jar) - ▲ Sent to Lab (6MW7S-0507)
* Litho Sample Only

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 6MW7S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 6MW7S	DRILLING METHOD: HSA
ELEVATION:	DATE: 1-10-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 2.5'

DEPTH/ELEVATION TOP OF SCREEN: 3.5'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 13.5'

DEPTH/ELEVATION BOTTOM OF SAND: 13.5'

DEPTH/ELEVATION BOTTOM OF HOLE: 14'

BACKFILL MATERIAL BELOW SAND: Natural

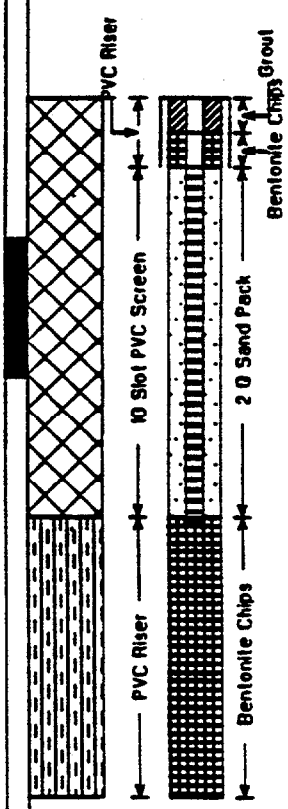
BORING LOG 6MW8S

PROJECT: NSB-NLON INTERIM REMEDIAL ACTIONS
PROJECT NO: 1258-26-04-02
LOCATION: DRMO
DATE STARTED: 10/14/93
DATE COMPLETED: 10/14/93
DRILLING CONTRACTOR: COLUMBIA ENVIRONMENTAL DRILLING
DRILLER: GENE LEVESQUE
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3 IN. SPLIT-SPOON

GROUND ELEVATION: 5.65 FT.
PROTECTIVE CASING ELEVATION: 5.85 FT.
WELL ELEVATION: 5.5 FT.
WATER LEVEL: APPROX. 2.0 FT.
DATUM: SUBASE
WEATHER: CLEAR, 50's
INSPECTOR: JANE BRUENENFELDER
CHECKED BY: EJN

SPLIT SPOON SAMPLE DEPTH (ft)	BLOWS PER 6"	% RECOVERY	HNU (ppm)	SOIL DESCRIPTION: color, density, SOIL admixture, moisture, other notes, ORIGIN	DEPTH (FT.)	VISUAL CONTAM.: NONE	STAIN	SHEEN	HEAVY	FIELD SCREENING: PCBs (ppm)	XRF (ppm)	SAMPLE ANALYSIS
0-2	24,50/2"	40	0	Fine sand and gravel, no odor, FL.	0						-457	
2-4	10,9 8,10	60	181	Black stained medium to coarse sand and gravel, strong HC odor, wood fragments from 3.8 to 4.0 feet, FL.							-290	
4-6	52,28 9,6	30	60	Black stained silt and fine to coarse sand, trace organics, moderate HC odor, 6-inch wood fragment in end of spoon, FL.	5						-309	
6-8	5,2 2,2	70	17	Black to greenish brown SILT, trace organics and shell fragments, strong organic odor, native material, OL.							-398	
8-10	3,2 1,2	80	80								-462	
				END OF BORING AT 10 FEET.	10							
					15							

WELL CONSTRUCTION



ATLANTIC

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APPENDIX A.8

SITE 7 - TORPEDO SHOPS

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW2D
PROJECT NO.: 9594 DATE: 3-4-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-4-94 CLEAR 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK	ASPHALT 0 - .5'		
S-1	2-4	2 5	1.3		M. Dense	TAN-GRAY	SILTY, MICACEOUS, VERY FINE TO	SM	HNU-0 08:28
		8 10	2.0			TAN-GRAY	FINE SAND	SM	WET
S-2	6-6.5	3 100/0	.5		V. Dense	BROWN	SILTY, VERY FINE - FINE SAND	SM	HNU-0 08:40
									DIFFICULT DRILLING, AUGERS WALK SIDEWAYS
									HNU-
									HNU-

REMARKS 2" Ø SPLIT BARREL SAMPLER
~~[illegible] ABANDONED HOLE [illegible] RE-DRILLED~~

BORING 7MW2D

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW 2D
PROJECT NO.: 9594 DATE: 3-15-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-15-94 PARTLY CLOUDY 45° / 3-4-94 20° CLEAR

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK	ASPHALT 0.0 TO 0.5'		
S-1	2'-4'	2 5	1.3		M. Dense	TAN-GRAY	SILTY, MICACEOUS, VERY FINE -	SM	HNU-0 08:28
		8 10	2.0			TAN-GRAY	FINE SAND	SM	w/ 3-4-94
	4-5								
S-2	6-6.5	3 100/0	.5 .5		V. Dense	BROWN	SILTY, VERY FINE - FINE SAND	SM	HNU-0 08:40
									Difficult drilling augers are sideways in hole
									SET TEMPORARY 8" O.D.
	9-10								STEEL CASING TO 10.5'
									WITH CHICAGO PNEUMATIC
									DRILL RIG 3-15-94
	14-15				HARD	PINK-GRAY-BLACK	GRANITIC ROCK FRAGS BIOTITE		
							FELDSPAR AND QUARTZ		
									09:45 WAITED 15 MINUTES
	19-20				HARD	PINK-GRAY-BLACK	GRANITIC ROCK FRAGS, BIOTITE		FOR WATER NO WATER IN
							FELDSPAR AND QUARTZ		BOREHOLE (SOFT AT 21')
					HARD	BLACK GRAY	GNEISSIC INCREASED AMOUNT		09:55 @ 25' WATER 10 min's
						BLACK-GRAY	of BIOTITE, QUARTZ & FELDSPAR		for H_2O

REMARKS Driller: DICK SPAULDING Rig: Chicago Pneumatic Borehole Diameter in Rock 6" Ø

BORING 7MW2D

PAGE 1 OF 2

* See Legend on Back

000002

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW2D
PROJECT NO.: 9594 DATE: 3-15-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-15-9 PARTL. CLOUDY 50°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
					HARD	PINK-GRAY	GRANITE BIOTITE, FELDSPAR		10:10 @ 29' WAITED TO
	29-30'				HARD	PINK-GRAY	AND QUARTZ		10:20 FOR H2O Resumed
									DRILLING when No water found
					HARD	GRAY-BLACK	GNEISSIC BIOTITE, QUARTZ,		10:25 @ 35' NO WATER
	34-35'				HARD	GRAY-BLACK	& FELDSPAR		BEGIN DRILLING AT 10:40
					HARD	GRAY-BLACK	GNEISSIC BIOTITE QUARTZ		10:45 @ 40' Soft @ 39
	39-40	▽	STATIC WATER @39.2' 12:10 3-15-94		HARD	GRAY BLACK	& FELDSPAR		SAMPLING FOR H2O
									RESUME DRILLING AT 10:55
					HARD	GRAY-BLACK	GNEISSIC		11:10 @ 45' STOPPED TO
	44-45'				HARD	GRAY-BLACK			WAIT ON WATER
							BOTTOM OF BORING: 45.0'		
							INSTALLED WELL SCREEN 45.0'-		
							35.0' SANDPACK 45-32'		
							Bentonite SEAL 32'-25'		

REMARKS DRILLER DICK SPANGLE R.G. CHARGE PNEUMATIC

BORING 7MW2D

PAGE 2 OF 2

* See Legend on Back

000003

Halliburton NUS CORPORATION

BORING NO.: 7MW2I

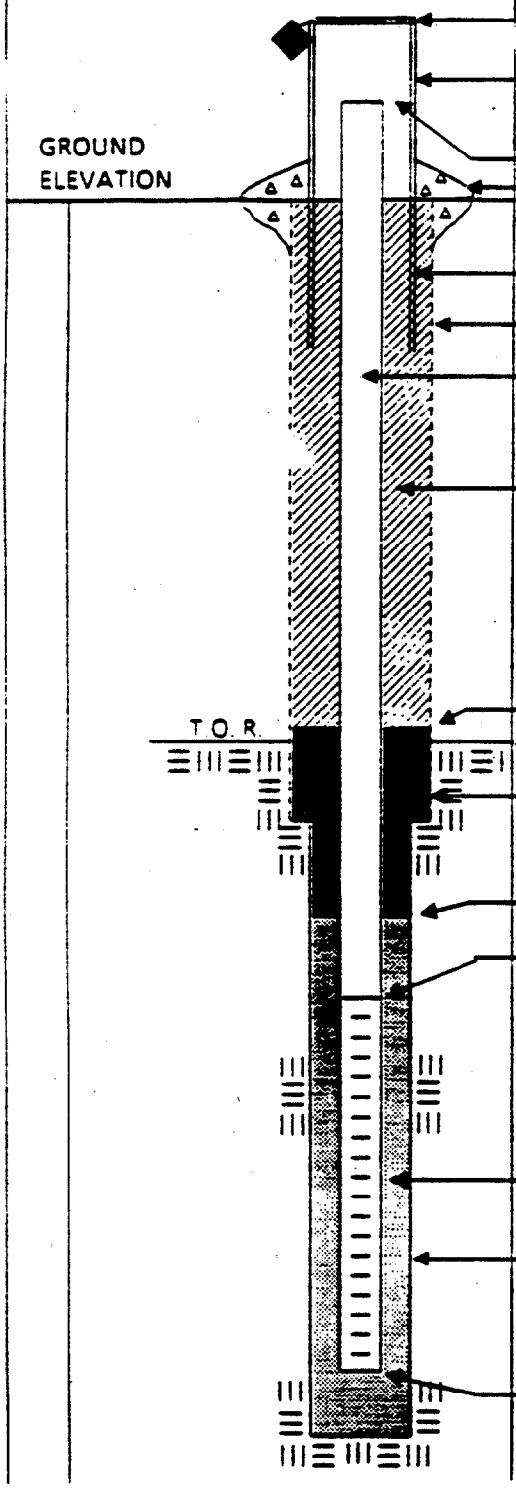
BEDROCK MONITORING WELL SHEET

WELL INSTALLED IN BEDROCK

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW2D
DATE 3-15-94

DRILLER D. Spaulding
DRILLING METHOD Air Rotary
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING: Flush

STICK UP OF CASING ABOVE GROUND SURFACE: -0.5'

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF SURFACE CASING: 6"

DIAMETER OF HOLE: 8 1/2"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: SCH 40 PVC

TYPE OF BACKFILL: Bentonite

ELEVATION / DEPTH TOP OF SEAL: 25'

ELEVATION / DEPTH TOP OF BEDROCK: 80

TYPE OF SEAL: Bentonite

ELEVATION / DEPTH TOP OF SAND: 32.0

ELEVATION / DEPTH TOP OF SCREEN: 35.0

TYPE OF SCREEN: SCH 40 PVC

SLOT SIZE x LENGTH: .010 10'

I.D. SCREEN: 2" ø

TYPE OF SAND PACK: #2 Silica Sand

DIAMETER OF HOLE IN BEDROCK: 8 1/2" ø

CORE / REAM: 80'-45.0'

ELEVATION / DEPTH BOTTOM SCREEN: 45.0

ELEVATION / DEPTH BOTTOM OF HOLE: 45.0

000004

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7MW3D
PROJECT NO.: 9594 — DATE: 3-2-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-2-94 CLEAR 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						GRAY BLACK	GNEISSIC MOD GRANITIC	FILL	BOULDER FILL - VISIBLE IN VOID CAUSED BY DRILLING
						GRAY-BLACK	BOULDERS	FILL	AUGERS HAVING DIFFICULTY ADVANCING DUE TO BOULDER FILL.
S-1	2-4	4 3	.4		LOOSE	BROWN	SILTY FINE - COARSE SAND AND	FILL	HNU-0 09:38
		4 3	2.0			BROWN	GRANITIC BOULDERS	FILL	MOIST
S-2	6-8	5 11	.8		M. DENSE	BROWN	SILTY FINE - COARSE SAND TRACE	FILL	HNU - 09:53
		5 8	2.0			BROWN	FINE GRANITIC GRAVEL ANGULAR	FILL	MOIST - WET
									AUGERS WALKING ON BOULDERS - DIFFICULT DRILLING
S-3	10-12	6 4	.8		M. STIFF	BROWN	PEAT, WOOD (DECOMPOSED)		HNU - 09:53
		3 3	2.0			BROWN	TRACE ROOTS		WET
S-4	14-16	2 1	1.3		SOFT	GRAY	CLAYEY SILT	ml	HNU- 10:02
		2 3	2.0			BROWN	ORGANIC SILT TR VF-F SAND	ml	MOIST
S-5	18-20	7 8	1.3		M. DENSE	GRAY BROWN	INTERBEDDED SILTY FINE SAND	SM/ml	HNU-0 10:13
		7 8	2.0			GRAY BROWN	AND MICACEOUS SANDY SILT	SM/ml	WET-MOIST FE STAINING
S-6	22-24	7 7	1.3		V. STIFF	GRAY	SILT - (DILATENT)	ml	HNU-0 10:24
		11 13	2.0			GRAY		ml	MOIST - WET

REMARKS 2"Ø SPLIT BARREL SAMPLER INSTALLED 2"Ø PVC MONITORING WELL 3-5-94

BORING 7MW3D

PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW3D
PROJECT NO.: 9594 DATE: 3-2-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-2-94 CLEAR 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-7	26-28	7 / 9	1.4		V. STIFF	GRAY	Interbedded clayey silt and silty	ml	HNU-0 10:36
		10 / 16	2.0			GRAY	MICACEOUS VERY FIN-Fine Sand	ml	most-ly
S-8	30-32	W / R	1.2		LOOSE	ORANGE BROWN	SILTY, VERY FINE TO FINE SAND	SM	HNU- 11:09
		7 / 11	2.0			ORANGE BROWN	MICACEOUS, Fe STAINING	SM	WET
S-9	34-36	10 / 13	1.1		DENSE	GRAY-BROWN	SILTY, VERY FINE - FINE SAND,	SM	HNU. 0 11:19
		26 / 20	2.0			GRAY-BROWN	MICACEOUS	SM	WET
S-10	38-40	8 / 10	1.2		M. DENSE	BROWN	SILTY VERY FINE - FINE SAND	SM	HNU-0 11:30
		11 / 14	2.0			BROWN		SM	WET
S-11	42-43	14 / 18	1.2		V. DENSE	BROWN	SILTY MEDIUM-COARSE SAND	SM	HNU-0 12:44
		100/0	2.0				WEATHERED BIOTITE GNEISS IN →		WET TIP OF SPOON
S-12	43.0	85/6	—		V DENSE	—	NO RECOVERY		13:00
							TOP OF ROCK = 43.0'		

REMARKS

BORING 7MW3D

PAGE 2 OF 2

* See Legend on Back

BORING NO 7MW3D

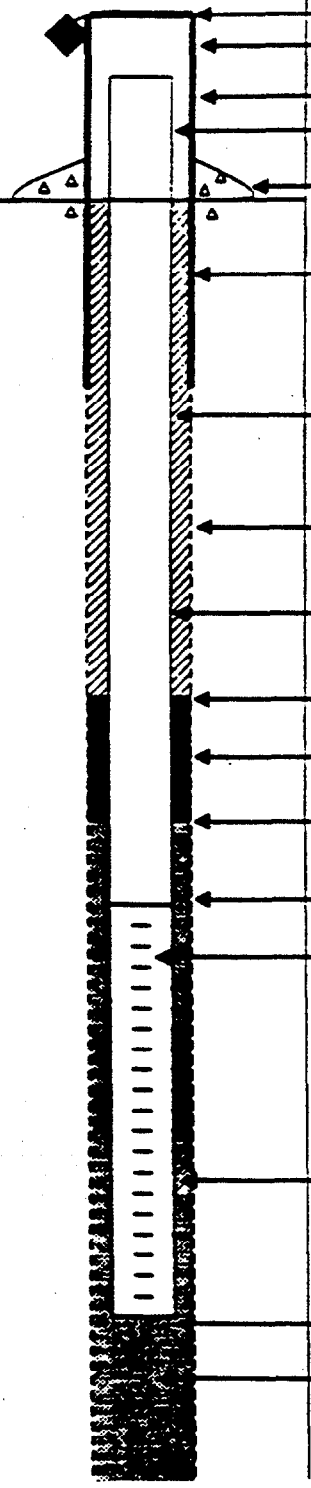
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW3D
DATE 3-5-94

DRILLER B. Sweeney
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5
STICK - UP RISER PIPE : 2.0
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: Bentonite Cement Grout
ELEVATION / DEPTH TOP OF SEAL: 28.0
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 31.0
ELEVATION / DEPTH TOP OF SCREEN: 33.8'
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 43.8
ELEVATION / DEPTH BOTTOM OF SAND PACK: 43.8
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 7MW45
PROJECT NO.: 9594
DATE: 3-4-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-4-94 CLEAR 30°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							ASPHALT 0-5'		
S-1	1-3	2 17 14 35			DENSE	GRAY-BLACK	SILTY SANDY GRAVEL and GRAVELLY	CM/BM	HNU- 09:27
			3.0			GRAY-BLACK	SILTY SAND (GRANITIC GRAVEL) FILL	CM/BM	MOIST
					V. HARD	PINK-BLACK-WHITE	MASSIVE BIOTITE FELDSPATHIC		BEGIN NX CORING RUN
90%	1		100%				GNEISS. FOLIATION ± 45°		11:50 RUN 1 of 4
									(3.0' TO 6.65')
				(15°) (5°)	V. HARD	GRAY-BLACK	BROKEN. BIOTITE FELDSPATHIC		(BEDROCK) (BROKEN)
60%	2		100%	(30° W) (15° W)	V. HARD	PINK-GRAY-BLACK	GNEISS		BEGIN RUN 2 of 4 13:10
									(6.65' TO 8.70')
90%	3		100%	(35° W)	V. HARD	PINK-GRAY-BLACK	BLOCKY. BIOTITE. FELDSPATHIC		RUN 3 of 4 8.70 to 11.05
							GNEISS (9.5 - 35° WEATHERED ZONE)		
100%	4		100%		V. HARD	PINK-GRAY-BLACK			RUN 4 of 4 11.05 TO 14.30
							BOTTOM OF BORING - 14.30		

REMARKS ANALYTICAL SOIL SAMPLE → VOC SVOC PEST/PCB ENGINEERING PICS
7 SO 4S 0103 → 3-6-93
INSTALLED MONITORING WELL SCREEN → 4.0'-14.0' → SANDPACK 3.5'-14.30'
Bentonite Pellet SEAL 3.5'-3.5'

BORING 7MW45
PAGE 1 OF 1

* See Legend on Back

Halliburton NUS CORPORATION

BORING NO. 7MW45

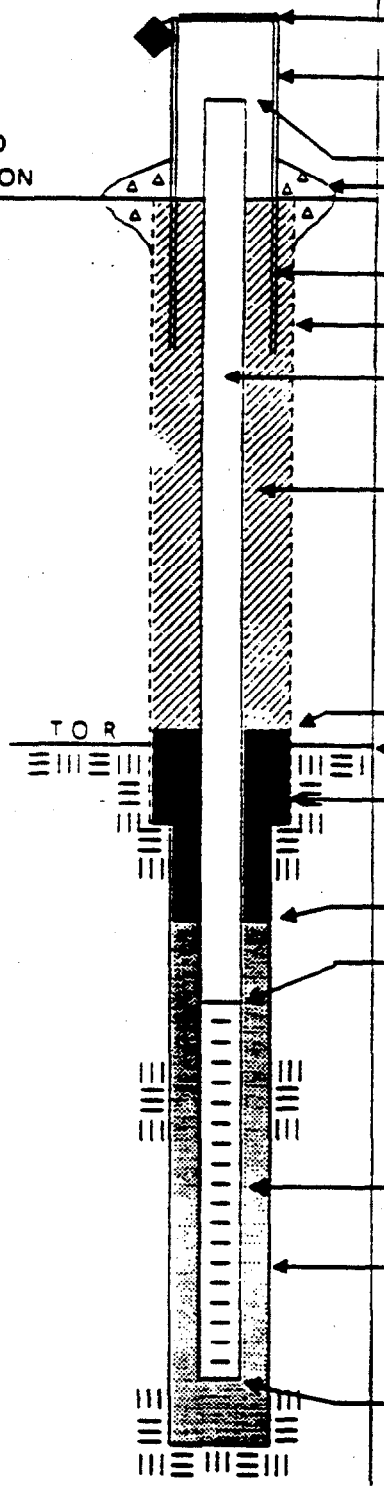
BEDROCK MONITORING WELL SHEET

WELL INSTALLED IN BEDROCK

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW45
DATE 3-4-94

DRILLER B. Swiatek
DRILLING METHOD Conventional Core
DEVELOPMENT METHOD Surge/Pump



ELEVATION OF TOP OF SURFACE CASING: 2.5

STICK UP OF CASING ABOVE GROUND SURFACE: 2.0

ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 4 1/2"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

TYPE OF BACKFILL: Bentonite Cement Grout

ELEVATION / DEPTH TOP OF SEAL: 2.0

ELEVATION / DEPTH TOP OF BEDROCK: 3.0

TYPE OF SEAL: Bentonite Pellet

ELEVATION / DEPTH TOP OF SAND: 3.5

ELEVATION / DEPTH TOP OF SCREEN: 4.0

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE x LENGTH: .010 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: #2 Silica Sand

DIAMETER OF HOLE IN BEDROCK: 4 1/2"

CORE / REAM: 3.0 - 14.30

ELEVATION / DEPTH BOTTOM SCREEN: 14.0

ELEVATION / DEPTH BOTTOM OF HOLE: 14.30

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 7MW55
PROJECT NO.: 9594 DATE: 3-8-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1	0.0 0.5	22	1.0/1.0		Dense	Tan	Asphalt Silty Sand w/Tr Gravel & Wood	SM	Top 2" M to C Gr
@ 1240 S-2	1.5 2.0	13 100/.5 50	0.5/0.5		V Dense				Auger Refusal @ 1.75' Move 2' SW
@ 1248 S-3		28 10	1.4/2.0		M. Dense				
@ 1414	3.5 4.0	11							
S-4 @		8 5	1.7/2.0		M. Dense	Tan	Silty Sand w/Tr Gravel	SM	F Gr
1425	6.0	13 14							Fe-Stain/Mottled
S-5 @		7 14	1.0/2.0		Dense				
1433	8.0	21 17							
S-6 @		13 39	1.7/2.0		V. Dense	D. Brn	Silty Sand & Gravel Cobble	SM/GW	Moist
1441	10.0	48 84							
S-7 @	11.0	23 100	0.6/1.0		V. Dense	D. Brn			
1400 S-8	12.0	100/.0	0.1/0.0						Very Micaceous
3/8 3/9 @ 1506 0925								VBr	Auger Refusal @ 12'
								Br	0945 Rock blocked in core barrel
1.5/2.5	①	60%	2.5/5.0		Hard	Gray	Gneiss		Hi & Frac 12.25' 14.0'
									Poor Recovery Highly Fractured
0 20	17.0								Cave-in to 14.0'
							-Total Depth 17'-		3/14 Spin Casing to 14.7'
									H_2O level 9.35' GS @ 1700
									3/15 @ 0822 12.1' GS Rollerbit to 17'
									Spin Casing to 14.5'
							Screen 7'-17'		→ 10'-2" PVC (Schedule 40 0.010 Slot)
							Sand 6'-17'		→ 1-100# Bag Ottawa Sand
							Pellets 2.5'-6'		→ 1-50# Bag

REMARKS Diedrich D-50 HSA Rig (Bombadier Mounted)
3" x 24" SST (30" Drop, 140# wt, Cat Head)
4 1/4" ID, 8" OD Auger

BORING 7MW55

PAGE 1 OF 1

* See Legend on Back

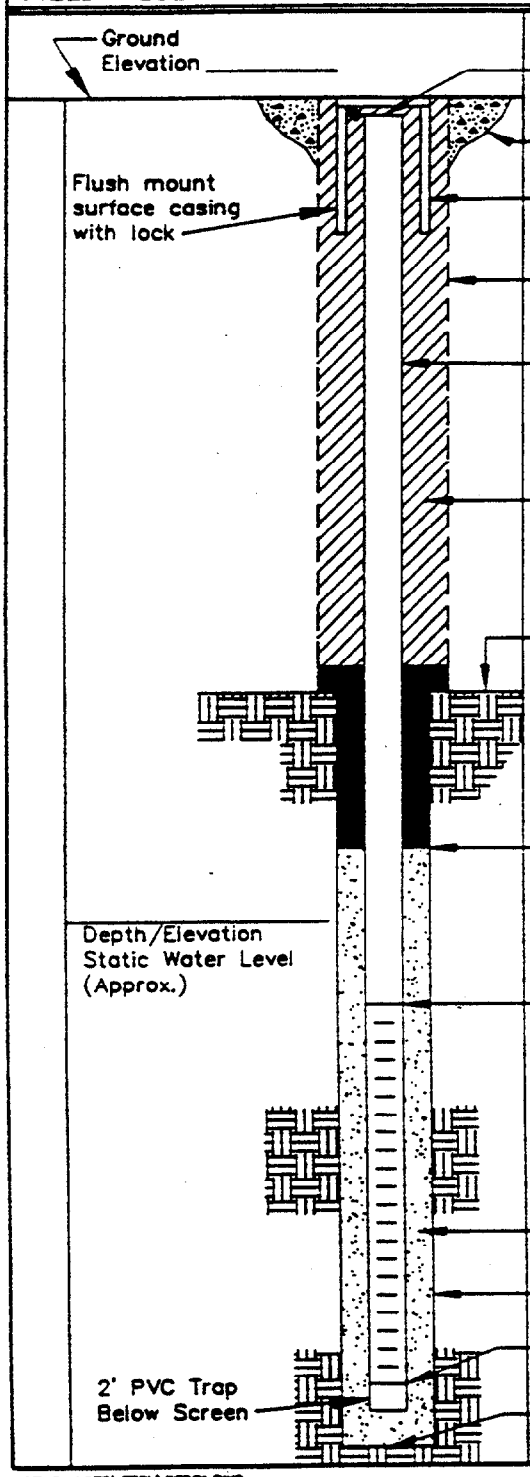
4" Spin Casing
3 7/8" Rollerbit

WELL NO.: 7MW5S

HALLIBURTON NUS
Environmental Corporation

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON	LOCATION: GROTON, CT.	DRILLER: EAST COAST
PROJECT NO.: 9594	BORING: 7MW5S	DRILLING METHOD:
ELEVATION:	DATE: 3-15-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: TIM EVANS		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

DIAMETER OF HOLE: 8" (0'-12')

TYPE OF RISER PIPE: ~~2"~~ PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: ~~Bentonite~~ N/A

DEPTH/ELEVATION TOP OF BEDROCK: 12'/

DEPTH/ELEVATION TOP OF SAND: 6'/

DEPTH/ELEVATION TOP OF SCREEN: 7'/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Ottawa Sand

DIAMETER OF HOLE IN BEDROCK: 4"

DEPTH/ELEVATION BOTTOM OF SCREEN: 17'/

DEPTH/ELEVATION BOTTOM OF SAND: 17'/

DEPTH/ELEVATION BOTTOM OF HOLE: 17'/

BACKFILL MATERIAL BELOW SAND: N/A

ACFILE: L670\GEOL\BEDR1.DWG

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 7MW5D
PROJECT NO.: 9594 DATE: 3-15-95 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: James R. Ferguson
WATER LEVEL DATA:
(Date, Time & Conditions) 3-15-95 Overcast Rain 45° 3-16-95 Clear 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							SEE BORING LOG 7MW5S		
							FOR LITHOLOGIC DETAILS		SET 6¼"Ø STEEL CASING
							FROM 6.5 TO 15.0'		from 6.5 To 16.0'
	14-15								
						Pinkish Gray Black	Granite Biotite Quartz and		WELL BEGIN producing
							K Spar		a significant quantity
									of water between 15' and
									25'
	19-20					Pink-Gray Black	Granite Biotite Quartz and		
							K Spar		
	24-25					Gray-Black	Gneiss		
	29-30					Gray-Black	Gneiss		
	34-35					Gray-Black	Gneiss		

REMARKS Driller: Dick Spaulding Rig: Chicago Pneumatic

BORING 7MW5D

PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW5D
PROJECT NO.: 9594 DATE: 3-15-95 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.P. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-15-95 OVERCAST RAIN 45° 3-16-95 CLEAR 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
									No significant water
	30-32					GRAY-BLACK	GNEISS		bearing zones were
									noticed during drilling
	41-42								17:00
							BOTTOM OF BORING: 42.0'		
							INSTALLED 2" PVC Monitoring		→ 3-16-95
							well Screen 32'-42'		
							Sandpack 28.5-42.0' Bentonite		
							pellet seal 14.5'-28.5' Cement		
							14.5'-2.5'		

REMARKS Well Construction diagram on P 123 of Notebook 2020

BORING 7MW5D

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* See Legend on Back

BORING NO.: 7MW5D

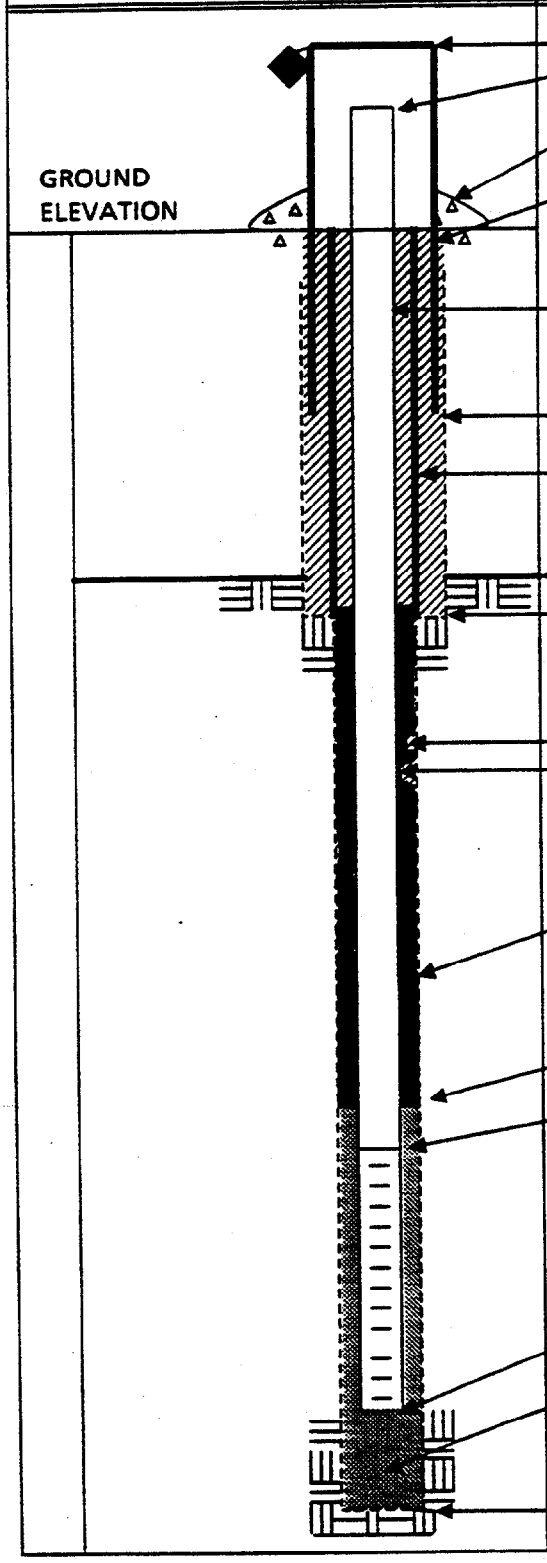
Halliburton NUS CORPORATION

BEDROCK MONITORING WELL SHEET WELL INSTALLED IN BEDROCK

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J. R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW5D
DATE

DRILLER D. Spaulding
DRILLING METHOD Air Rotary
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING: Flush
ELEVATION OF TOP OF RISER PIPE: -0.5'

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL

RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 8 1/2

PERM. CASING I.D. 6"
TYPE OF CASING & BACKFILL: Cement Portland

ELEVATION / DEPTH TO BEDROCK: 17.0
ELEVATION/DEPTH BOTTOM OF CASING: 15.0

BOREHOLE DIA. BELOW CASING: 6"
TYPE OF BACKFILL: Bentonite - 14
Cement 20-14.0

ELEVATION / DEPTH TOP OF SEAL: 14.0
TYPE OF SEAL: Bentonite Pellet

ELEVATION / DEPTH TOP OF SAND PACK: 28.5

ELEVATION/DEPTH TOP OF SCREEN: 32.0
TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE x LENGTH: .010 - 10'
ID OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 42.0

ELEVATION / DEPTH BOTTOM OF SAND PACK: NA
TYPE OF BACKFILL BELOW OBSERVATION WELL: NA

ELEVATION / DEPTH OF HOLE: 42.0

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7MW65
PROJECT NO.: 9594 — DATE: 3-6-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-6-94 CLEAR 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							ASPHALT 0-.5 and Gravel Sub-base		
S-1	1-3	4 / 17	1.4		V. Dense	Brown	Silty Fine-Coarse Sand, Tr-	SM	HNU-0 11:23
		40 / 34	2.0			Brown	Little F-C gravel	SM	MOIST
S-2	3-5	30 / 27	1.0		V. Dense	Black-White-Brown	Silty Sandy F-C Gravel	GM	HNU-2 11:33
		28 / 30	2.0		▽	Black-White-Brown	Slight organic odor	GM	MOIST-wet 7 50 65 0505
S-3	5-7	16 / 28	1.0		Dense	Brown		GM	HNU-0 Fuel Oil ODOR 11:46
		17 / 16	2.0			Brown	Fuel oil Odor	GM	WET 7 50 65 0507 4'-5' Difficult Auger Advancement
S-4	7-9	7 / 9	1.5		M. Dense	Gray-Org Brn	Micaceous Silty VF-Fine	SM	HNU 11:57
		10 / 15	2.0			Gray-Org Brn	Sand, mottled Fe Stained	SM/ml	moist-wet
S-5	9-11	3 / 7	1.4		M. Dense	Gray-Org Brn		SM	HNU-0 12:01
		13 / 12	2.0					SM	WET
S-6	11-13	6 / 16	1.4		Dense	Gray-Org. Brn		SM	HNU-0 12:07
		17 / 17	2.0					SM	WET
S-7	13-15	10 / 19	1.2		Dense	Gray-Or Brn		SM	HNU-0 12:32
		30 / 28	2.0					SM	WET
S-8	15-17	3 / 17	1.3		Dense	Gray-Org. Brn		SM	HNU-0 12:34
		30 / 36	2.0					SM	WET
S-9	17-19	5 / 17	1.5		Dense	Brown	Micaceous Silty Fine-Medium	SM/ml/SM	HNU-0 12:45
		30 / 41	2.0				Sand w/ Interbedded Silt Laminae	SM/ml/SM	wet-moist
S-10	19-21	4 / 15	1.4		HARD	Gray-Brown	Clayey Silt - Fe Stained	ML	HNU-0 12:53
		22 / 25	2.0			Gray-Brown		ML	moist
S-11	21-23	16 / 26			HARD	Gray	Plastic Clay. Trace	CL	HNU-0 13:09
		27 / 25	2.0			Gray	Biotite Flakes	CL	moist
S-12	23-25	7 / 12			Dense	Gray	Silty, VF-Fine Sand	SM	HNU-0 13:17
		19 / 26	2.0			Gray		SM	dilatant. wet

REMARKS 3" ϕ SPLIT BARREL SAMPLERS DRILLER - SWIATEK RIG - CME 75

BORING 7MW65

PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7MW65
PROJECT NO.: 9594 DATE: 3-6-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J R FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 3-6-94 CLEAR 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-13	30-32	27 70	1.0		N. Dense	Brown	Silty M-C sand Tr Bedrk		HNU- 14:35
		61 45	2.0			Brown	K-SPAR - Relict Gneissic texture		WET (SAPROLITE)
							BOTTOM OF BORING: 32.5'		Auger REFUSAL AT 32.5'
							SHALLOW MONITORING WELL		
							INSTALLED SCREEN 4'-14'		
							SANDPACK 3.5'-18', Bent-		
							onite 3.5'-2.5'		

REMARKS INSTALLED MONITORING WELL → 2" Ø SCH 40 PVC. SCREEN FROM 4'-14', SANDPACK 3'-18', Bentonite pellet seal from 2'-3'

BORING 7MW65

PAGE 2 OF 2

* See Legend on Back

BORING NO 7MW65

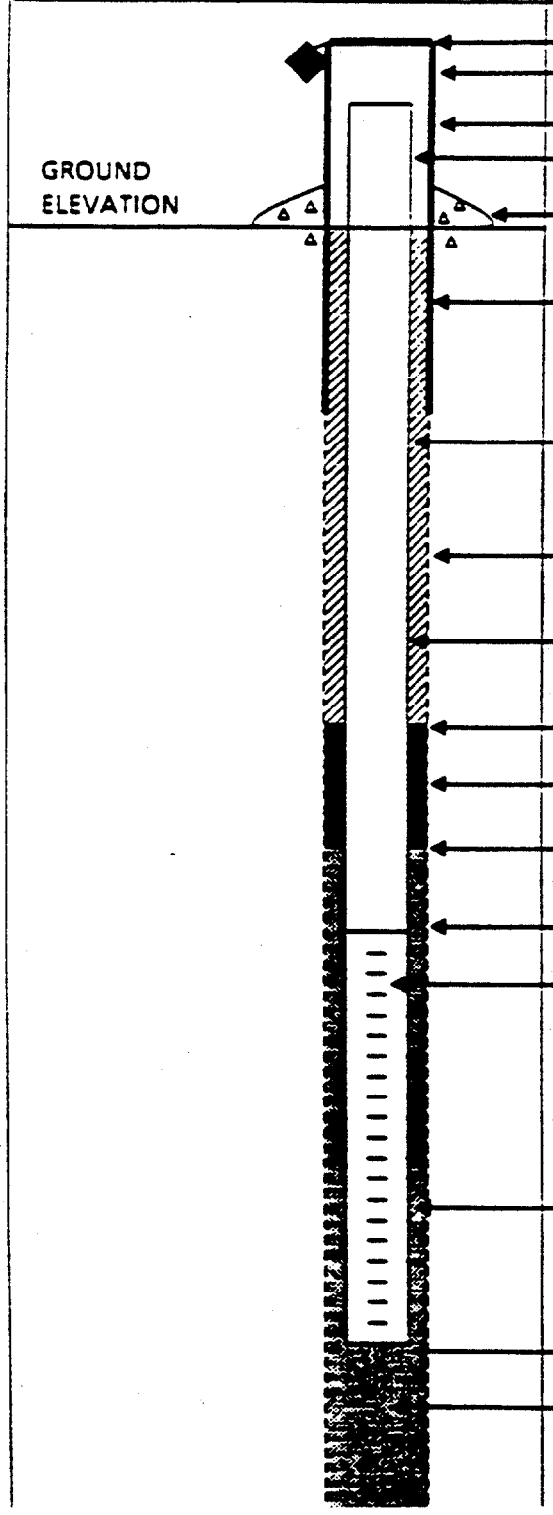
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW65
DATE 5-6-94

DRILLER Swiatek
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: Flush Mount
STICK - UP RISER PIPE : -0.5
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: Steel - Flush
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 2.0
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7MW75
PROJECT NO.: 9594 — DATE: 3-7-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J.R FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-7-94 OVERCAST 45° 3-8-94 OVERCAST RAIN 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							PAVMNT 0-.5' → GRAVEL SUB-BASE		
S-1	1-3	23 45	1.3		V. Dense	BROWN-PINK-BLACK	SILTY GRAVELLY SAND and Sandy	SM/low	HNU-0 12:50
		41 59	2.0				SILTY GRAVEL (Gneissic)	SM/low	7MW75 0103 MOIST-WET
S-2	3-3.75	45 100/3	.25 ▽ 0.75		V. Dense	GRAY	GNEISSIC BROKEN ROCK FRAGS		HNU-0 WET 13:10
	5-7						SPUN 4 3/8" CASING TO 7.0'		
							ROLLER BIT FROM 5'-7'		
50%	①	7.0 9.0	100%	NORM 1/50° 1/40°	BROKEN	GRAY-PINK-BLACK	GRANITE (SEVERAL 30° fractures, 1-silicified)		RUN 1 of 7.0'-9.0'
100%	②	9.0	100%	HORIZ HORIZ	MASSIVE	GRAY-PINK-BLACK	GRANITE (HORIZONTAL FRACTURES AT 10.4' and 11.1' - fresh)		RUN 2 of 9.0-11.35
					MASSIVE	GRAY-PINK-BLACK	GRANITE (Low angle fractures AT 15.7 and 15.4' Fresh)		RUN 3 of 10.35-16.00
100	③		100						
							BOTTOM OF BORING: 16.0		
							INSTALLED MONITORING WELL		
							SCREEN INTERVAL 5.5'-15.5'		
							SANDPACK 5.0'-16.0'. Bentonite		
							5.0'-3.0'		

REMARKS SWIATEK FILL MATERIAL BOULDER FILL AT 3.0' SWIATEK WILL USE A ROLLER BIT TO GET THROUGH THIS ZONE BEFORE RESUMING SAMPLING. SPUN CASING TO 7.0 AND BELOW FOR RUN

BORING 7MW75

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* See Legend on Back

BORING NO 7MW75

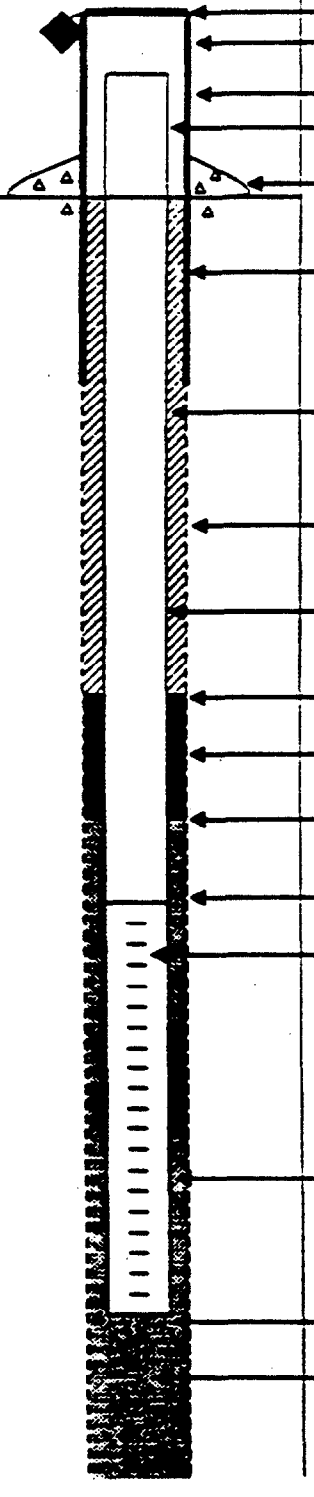
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J. R. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW75
DATE 3-8-94

DRILLER B. Swiatek
DRILLING METHOD Conventional Core
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: FLUSH
STICK - UP RISER PIPE : -0.5
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL - FLUSH
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: SCH 40 PVC
BOREHOLE DIAMETER: 4 1/2"
TYPE OF BACKFILL: Bent Cement
ELEVATION / DEPTH TOP OF SEAL: 3.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 5.0
ELEVATION / DEPTH TOP OF SCREEN: 5.5
TYPE OF SCREEN: SCH 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 SILICA SAND
ELEVATION / DEPTH BOTTOM OF SCREEN: 15.5
ELEVATION / DEPTH BOTTOM OF SAND PACK: 16.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 SILICA SAND

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 7MWBS
PROJECT NO.: 9594
DATE: 2-6-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J. R. FERGUSON / T. S. EVANS
WATER LEVEL DATA:
(Date, Time & Conditions) 2-6-94 CLEAR 30°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK GRAY	ASPHALT AND GRAVEL SUB-BASE	FILL	Augered through engineered fill to 2.0'
S-1	2-4	50 / 24	1.5		Dense	BLACK	SILTY SANDY GRAVEL GRAVELLY F-C SAND	FILL	HNU - 0 13:19
		17 / 16	2.0			ORANGE BROWN	SANDY (VF-F) SILT MICACEOUS	ml	Fe STAINED
S-2	4-6	1 / 1	1.8		V. SOFT	GRAY	SANDY (VF) MICACEOUS SILT	ml	HNU - 29 13:37
		1 / 3	2.0			GRAY	↓	ml	Petroleum odor wet
S-3	6-8	10 / 9	1.5		M. Dense	GRAY	SILTY VF-F SAND, MICACEOUS	SM	HNU - 33 13:40
		18 / 27	2.0			GRAY	↓	SM	WET oily sheen on H_2O
S-4	8-10	6 / 15	1.4		Dense	GRAY	SILTY VERY FINE - FINE SAND, OCCASIONAL	SM	HNU - 1 13:55
		18 / 19	2.0			GRAY	silt laminae, MICACEOUS	SM	WET
S-5	10-12	8 / 12	1.5		Dense	GRAY		SM	HNU - 1 14:00
		20 / 25	2.0			GRAY		SM	WET
S-6	12-14	12 / 17	1.4		Dense	GRAY		SM	HNU - 0 14:14
		22 / 24	2.0			GRAY	↓	SM	WET
							BOTTOM OF BORING = 14.0'		
							MONITORING WELL INSTALLED		
							SCREEN 8'-13', SAND 2.5'-14'		

REMARKS Driller Tim Sabo Rig Line 75 ORIGINAL LOCATION OFFSET DUE TO OVERHEAD ELECTRICAL UTILITIES

BORING 7MWBS

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* See Legend on Back

BORING NO 7MW85

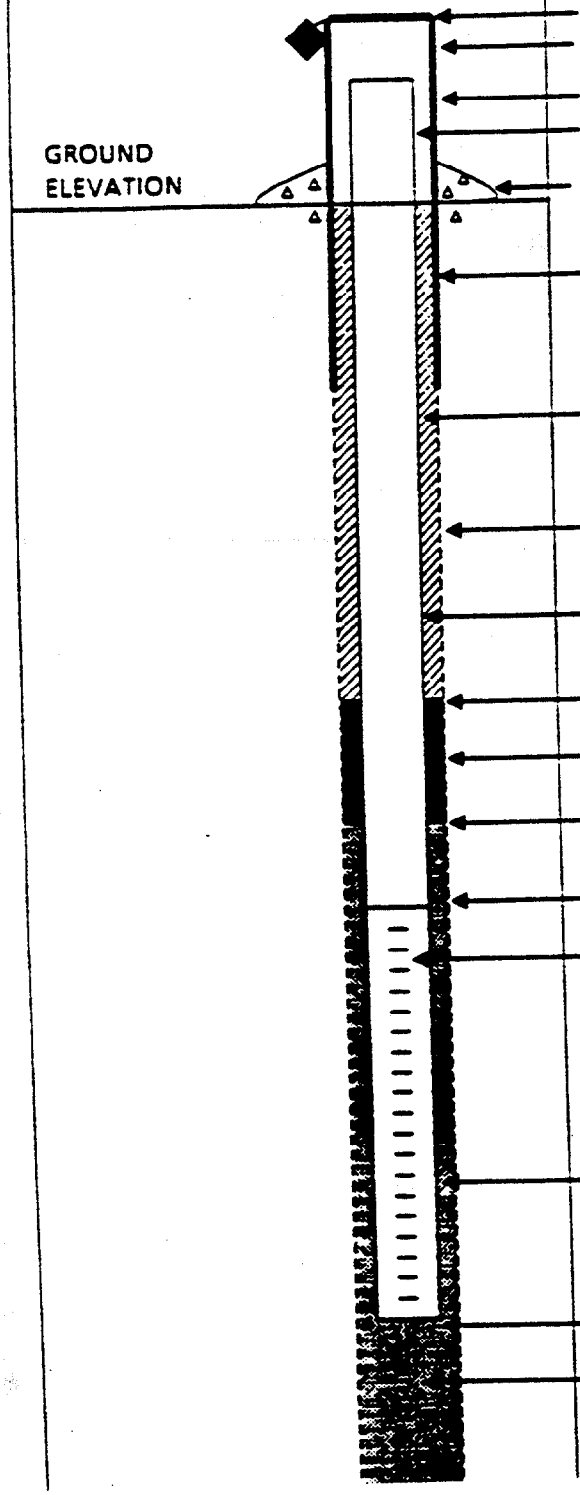
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.B. Ferguson

LOCATION Site 7 Torpedo Shop
BORING 7MW85
DATE 2-6-94

DRILLER J. Sabo
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge/Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: NA
STICK - UP RISER PIPE : -0.5
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL - FLUSH
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8½"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 2.5
ELEVATION / DEPTH TOP OF SCREEN: 3.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: 010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 13.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000021

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7MW95
PROJECT NO.: 9594 — DATE: 2-6-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J R FERGUSON / T. S. EVANS
WATER LEVEL DATA:
(Date, Time & Conditions) 2-6-94 09:45 30° CLEAR

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	33 / 16	1.5		Dense	BROWN	SILTY F-C SAND, TRACE	FILL	HNU-0 10:00
		24 / 13	2.0			BROWN	gravel (fine) TR wood	FILL	MOIST
S-2	2-4	16 / 11	1.6		M. Dense	BROWN	SILTY Very Fine-Fine Sand and	SM/ML	HNU-0 10:05
		5 / 16	2.0			BROWN	Sandy VF-F SILT	SM/ML	MOIST
S-3	4-6	6 / 2	1.4		LOOSE	BROWN	SILTY-CLAYEY VERY FINE-FINE	SM/SC	HNU-0 10:18
		6 / 10	1.4 2.0			ORANGE BROWN	Sand TR. gneissic rock fragment	SM/SC	MOIST-WET
S-4	6-8	6 / 16	1.5 ▽		Dense	BROWN	SILTY MICACEOUS VERY FINE-	SM	HNU-0 10:30
		20 / 22	2.0			BROWN-ORANGE-BROWN	FINE SAND TR (gravel, silt lam.	SM	WET some Fe staining
S-5	8-10	7 / 10	1.3		M. Dense	TAN		SM	HNU-0 10:45
		16 / 20	2.0			TAN	FINE-COARSE SAND	SP	WET
S-6	10-12	12 / 14	1.4		Dense	TAN	COARSE QUARTZO Feldspathic	SW	HNU-0 10:51
		26 / 32	2.0			TAN	sand	SW	
S-7	12-14	15 / 18	1.25		Dense	TAN		SW	HNU-0 11:07
		18 / 22	2.0			ORANGE BROWN	Fe STAINING	SW	WET
							BOTTOM OF BORING = 14.0'		
							FINISHED MONITORING WELL		
							SCREEN FROM 4'-14' → Sand pack		
							3-15', Bentonite 2'-3'		

REMARKS DRILLER: Tim Sabo RIG: CME 75 3" Ø SPLIT BARREL SAMPLER

BORING 7MW95

PAGE 1 OF 1

* See Legend on Back

BORING NO. 7MW05

Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB NEW LONDON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. FERGUSON

LOCATION SITE 7 TORPEDO SHOP
BORING 7MW 95
DATE 2-6-94

DRILLER T. SMITH
DRILLING METHOD HOLLOW STEM AUGER
DEVELOPMENT METHOD SURGE / PUMP

ELEVATION OF TOP OF SURFACE CASING:
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: NA
STICK - UP RISER PIPE: -0.5
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: SCH 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: SCH 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

00003

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 7MW 105
PROJECT NO.: 9594
DATE: 2-8-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-8-94 OVERCAST 25°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
—	0-2	—	—			Brown	Silty F-M sand some	FILL	Loaded Auger
		—	—			Brown	Roots, grass	FILL	Cuttings
S-1	2-4	5 / 6	1.5		M. Dense	Dark Brown	Silty F-C Sand Tr Cinders	FILL	HNU-0 08:34
		11 / 7	2.0			Black-Brown	Some Silty Clay	FILL	moist
S-2	4-6	5 / 4	1.2		Loose	Tan	Silty, Very Fine-Fine Sand	SM	HNU-0 08:41
		4 / 5	2.0			Tan	Trace Roots	SM	moist
S-3	6-8	5 / 7	1.2		M. Dense	Orange Brown	Silty Fine-Coarse Sand	SM/SW	HNU-0 08:50
		14 / 16	2.0			Tan	and F-C Sand. (Fe staining)	SM/SW	WET
S-4	8-10	7 / 12	1.2		M. Dense	Brown	Silty-Clayey F-M Sand rounded	SM	HNU-0 08:57
		15 / 14	2.0			Brown	Coarse Sand	SP	WET
S-5	10-12	10 / 20	1.4		M. Dense	Brown	Fine-Coarse sand and little	SW	HNU-0 09:04
		16 / 15	2.0			Brown	Fine-Medium Gravel	SW	WET
S-6	12-14	10 / 12	1.1		M. Dense	Brown		SW	HNU-0 09:12
		20 / 19	2.0			Red-Brown		SW	WET
							Bottom of Boring = 14.0'		
							Installed Monitoring Well		
							Screen 4'-14', Sandpack		
							3'-14'		

REMARKS Driller: Floyd Cross R-6 CME 75

BORING 7MW105

PAGE 1 OF 1

* See Legend on Back

BORING NO 7MW105

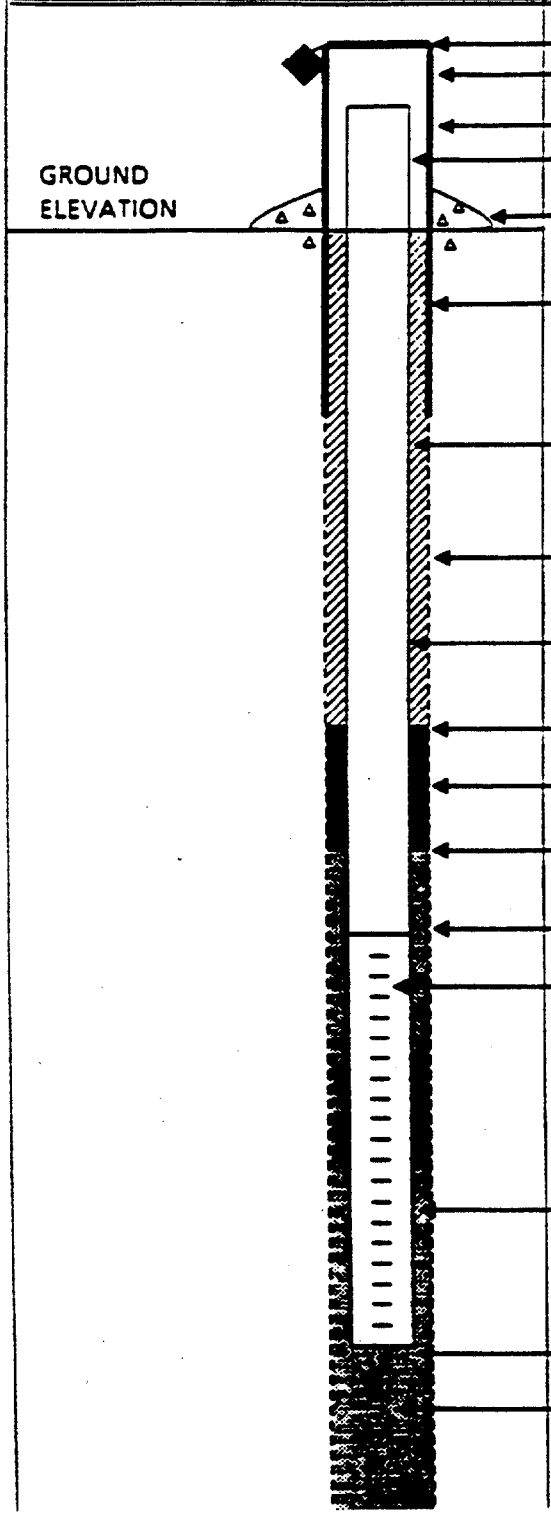
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB NEW LONDON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. FERGUSON

LOCATION SITE 7 TORPEDO SHOPS
BORING 7MW105
DATE 2-8-94

DRILLER F. CROSS
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: 2.5'
STICK - UP RISER PIPE : 2.0'
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: SCH 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: SCH 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.0
TYPE OF BACKFILL BELOW OBSERVATION WELL:

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 7MW115
PROJECT NO.: 9594
DATE: 3-9-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 3-9-94 OVERCAST 40°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-3	12 / 19	1.0		Dense	Brown	Silty, F-C Sand Trace -	SM	HNU-0 08:25
		12 / 7	2.0			Brown	Little F-C Gravel (frag)	SM	moist
S-2	3-5	2 / 3	1.0		Loose	Brown	Silty, VF-F Sand w/ High Org.	SM	Contact (Fill) HNU-0 08:34
		2 / 2	2.0			Gray	Silty VF-F Sand (mottled)	SM	moist/wet TR Roots
S-3	5-7	1 / 1	1.3 ▽		V. Loose	Gray	↓	SM	HNU-0 08:38
		1 / 3	2.0			Gray	↓	SM	7MW115 0507 wet
S-4	7-9	6 / 12	1.5		M. Dense	Gray	Silty F-C Sand, Fe Stained	SM	HNU-0 08:44
		14 / 15	2.0			Gray	↓	SM	WET
S-5	9-11	2 / 3	1.6		M. Dense	Orange-Gray	↓	SM	HNU-0 08:50
		11 / 14	2.0			Orange Brn	↓	SM	WET
S-6	11-13	6 / 15	1.5		Dense	Orange Brn	Micaceous Silty F-C Sand	SM/SW	HNU-0 08:59
		22 / 22	2.0			Orange Brn	(Fe Stained - Heavy)	SM/SW	WET
S-7	13-15	7 / 7	1.3		Dense	Gray-Org Brn	↓	SM SW	HNU-0 09:05
		24 / 26	2.0			Gray-Org Brn	↓	SM/SW	WET
							Bottom of Boring = 15.0'		
							Installed Monitoring Well		
							Screen 4'-14' Sandpack 3'-15'		
							Bentonite 2'-3'		

REMARKS 3" Ø Split Barrel Sampler — Drill Rig Diedrich 150
Driller Swintek — Optional Monitoring Well Based Upon Findings at 7MW65

BORING 7MW115
PAGE 1 OF 1

* See Legend on Back

BORING NO 7MW115

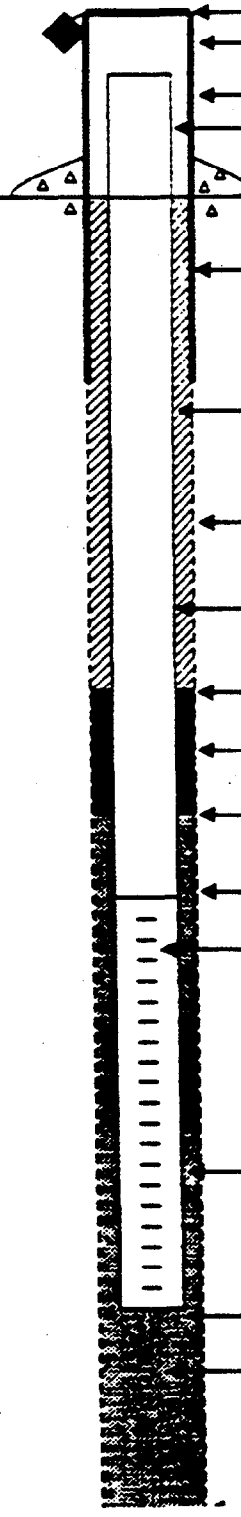
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J. P. Ferguson

LOCATION Site 7 Torpedo Shops
BORING 7MW115
DATE 3-9-94

DRILLER B Swinatee
DRILLING METHOD Hollow Stem Augers
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: Flush
STICK - UP RISER PIPE : -0.5'
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL - FLUSH
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: SCH 40 PVC
BOREHOLE DIAMETER: 8 1/2 "
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 2.0
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 3.0
ELEVATION / DEPTH TOP OF SCREEN: 4.0
TYPE OF SCREEN: SCH 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 14.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7TB7
PROJECT NO.: 9594 — DATE: 3-14-94 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: Tim Evans Floyd Cross
WATER LEVEL DATA: —
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0.0	2 / 11	1.4/2.0		M. Dense	Brn to	Silty Sand w/ Tr Roots & Orgs	SM SP	Dp 2" Topsoil Damp
@ 1549	2.0	12 / 13				Brn	Silty Sand w/ Tr Gneiss Gravel		Sand F Gr
S-2		27 / 30	1.2/2.0		V Dense	Brn to			moist
@ 1556	4.0	30 / 35				Gray	Bio-Garnet Schist Silty Sand	— SP	to wet
S-3 @		17 / 14	1.3/2.0		Dense	Brn to	Silty Sand w/some Bio-	Sp	Mottled
1610	6.0	23 / 21				Gray	Garnet Schist Cobbles		
S-4 @	6.0 to 7.0	50 / 100/.1	0.4/0.6		V. Dense	Brn to Gray	Silty Sand & Bio Schist		Weathered Rock
1627									Auger Refusal @ 7.0'
							- Boring Depth 7.0' -		
							Boring Backfill 7.0'		

REMARKS: Diedrich D-50 HSA Rig (GT350 4x4 ATV-mounted)
3" x 24" SST (30" Drop, 140# Wt, Cat-Head)
4¼" ID, 8" OD Auger

BORING 7TB7

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 7TB8
PROJECT NO.: 9594 DATE: 3-15-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: Tim Evans Brett Swiatek
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	2 / 4	1.5/2.0			D Brn to	Silty Sand w/ Tr Roots	SM	Top 8" Topsoil Sand - F to Med
1105	2.0	3 / 3				Brn	Silty Sand w/ Tr Roots & Gneissic Gravel	SW	Sand - F to CGr *Wet Gravel - Pebbles
* S-2 @	2.9	15 / 100/.4	0.6/0.9			Gray to Brn	Silt Silty Sand w/ Sand Laminae	ML SP	Laminae - Rust Colored
1115							(Granite/Syenite ? in shoe)		SST Refusal 2.9'
							- Total Depth 2.9' -		
									(1108 SST Bounce on
							Boring Backfill 4.9'		Grounding wire
							3-3" SST		Move 2' N)

REMARKS Tripod "Monkey-on-a-stick"
7" x 24" SST (30" Drop, 140# Wt, Cat Head)

BORING 7TB8

PAGE 1 OF 1

* See Legend on Back

Sample Sent to Lab (7TB8-0202.0 & -0202.5D)

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: TTB9
PROJECT NO.: 9594 DATE: 3-8-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
★ S-1 @	0.0	6 5	1.7/2.0		M. Dense	D. Brn Tan	Silty Sand w/Tr gneiss gravel & org	SM	Top 4" Topsoil 0ppm
0940	2.0	9 8					Sand	SP	FGr, Poorly Graded
S-2 @		22 24	0.9/2.0		Dense				0ppm
0942	4.0	24 28				Pink	Granite Cobbles	–	
S-3 @	5.0	39 100/.9	0.4/1.9		V. Dense	D. Brn	Gravelly Sand w/Gneiss Cobble	SW	Well sand - f to m Gr Gravel - Granule 0ppm
0957									
							- Boring Depth 5.0' -		Auger Refusal @ 5.0'
							3-3" SST		
							Boring Backfill 5'		
							HCA 5'		

REMARKS Diedrich D-50 HSA Rig (Bombadier Mounted)
3" x 24" SST (140# wt 30" Drop, Cat Head)
4¼" ID 8" OD Auger

BORING TTB9

PAGE 1 OF 1

* See Legend on Back

★ Sent Sample TTB9-0002 to Lab

000030

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7-TB-10

PROJECT NO.: 9594 — DATE: 3-6-94 — DRILLER: EAST COAST THOMAS

ELEVATION: — FIELD GEOLOGIST: JR FERGUSON

WATER LEVEL DATA:

(Date, Time & Conditions) 3-6-94 Sunny 40°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK	ASPHALT 0 TO 0.75' GRAVEL SUB		
S-1	1-3	40 37 27 30	1.0		V. DENSE	BROWN	SILTY SANDY MED-COARSE GRAVEL	GM	HNU-0 09:27
			2.0			BROWN	(FILL) GNEISSIC - GRANITIC	GM	7 50 10 0103 WATER TO BOREHOLE @ 2.1'
S-2	3-5	17 72 34 39	2.0		V. DENSE	BLACK-WHITE-PINK	SAPROLITE RELICT GNEISSIC		HNU-0 09:39
						BLACK-WHITE-PINK	TEXTURE		WET
							BOTTOM OF BORING = 5.0'		

REMARKS 2-3" Ø SPLIT BARREL SAMPLERS
DISCONTINUED DRILLING AT 5' WHEN RIG RIGHT ANGLE DRIVE SNAPPED

BORING 7TB10

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7TB12
PROJECT NO.: 9594 DATE: 3-8-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
* S-1 @ 1211	0.0 0.5	11					Asphalt		Top 2"
	2.0	6 21	0.4/1.5		M. Dense	Tan	Silty Sand & Gneiss Pebbles	GW	Sand F to CGr
★ S-2 @ 1236		9 17	1.4/2.0		V. Dense	↓	↓	↓	Auger Refusal @ 2.0' Move 5' E 0ppm
	4.0	24 100				D. Brn	Sand D Br	SP	F Gr/Mottled Auger Refusal @ 4.7'
							Boring Depth 5.0'		
							HSA to 5.0' (7.0' bkl)		
							3-3" SST		
							7.0' Backfill		

REMARKS Diedrich D-50 HSA R.O (Bombadier Mounted)
3" x 24" SST (140#wt, 30" drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 7TB12
PAGE 1 OF 1

* See Legend on Back

* 2 SST for S-1
★ Sample 7TB12-0204 sent to lab

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 7TB13
PROJECT NO.: 9594 DATE: 3-8-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @ 1030	0.0 1.0	6 40	0.9/1.0		Dense	Tan	Asphalt Sand → M Gr Silty Sand w/ Quartz Gravel → Fr	SP SM	top 2" 0ppm
	1.5	24					-Boulder-		Auger to 1.5', Refusal wet
S-2 @ 1041		35 21	0.8/2.0		Dense	Gray Tan	Silty Sand w/ Tr Quartz Gravel	SM	Move 15' N. Sand → F Gr 0ppm
S-3 @ 1045	3.5 4.0	15 16 100/0	0.1/0.5		V Dense	↓	↓	↓	Poor Recovery Auger Refusal @ 3.5'

Boring Depth 3.5'

HSA to 3.5' (5.0' Total)

3-3" SST

5.0' Backfill

REMARKS Diedrich D-50 HSA Rig (Bombadier Rig)
3" x 24" SST (30" Drop, 140# Wt, Cat Head)
4 1/4" ID, 8" OD Auger

BORING 7TB13

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7TB14
PROJECT NO.: 9594 DATE: 2-6-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON / T.S. EVANS
WATER LEVEL DATA :
(Date, Time & Conditions) 2-6-94 CLEAR 30° 2-7-94 CLEAR 32°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-3	43 / 47	1.3		V. Dense	Brown	Silty Gravelly F-C Sand + Silt	Fill	HNU-0 15:50
		63 / 36	2.0			Brown	Sandy F-C Gravel	Fill	Moist
S-2	3-5	10 / 12	1.4		Stiff-M. Dense	Orange Brown	Sandy (VF-F) Silt Silty Very-	ml/SM	HNU-0 15:55
		7 / 9	2.0			Tan	Fine-Coarse Sand	ml/SM	Moist-Wet
S-3	5-7	6 / 8	1.4		M. Dense	Tan	Medium Sand (Fe Staining)	SW	HNU-0 16:00
		11 / 10	2.0			Orange Brown		SW	Wet
S-4	7-9	5 / 15	1.2		Dense	Brown	Silty Fine-Medium Sand	SM	HNU-0 16:10
		17 / 23	2.0			Brown	Micaceous, (Fe Staining)	SM	Wet
S-5	9-11	10 / 15	1.1		Dense	Gray	Silty Very Fine-Fine Sand	SM	HNU-0 16:20
		22 / 49	2.0			Orange-Brown	Micaceous Fe Staining	SM	Wet
S-6	11-13	15 / 16	1.1		M. Dense	Gray		SM	HNU-0 16:30
		20 / 20	2.0			Gray		SM	wet
S-7	13-15	9 / 12	1.2		Dense	Gray		SM	HNU-0 16:40
		17 / 20	2.0			Gray		SM	Wet
S-8	15-15.5	17 / 50/0	.5 / .5		V. Dense	Gray		SM	HNU-0 17:00
						Gray	Sampler Refusal - Boulders	SM	Wet Augered Through boulder zone
S-9	17-19	13 / 23	1.1		V. Dense	Brown-Gray		SM	HNU-0 17:10
		64 / 91	2.0			Brown-Gray		SM	Wet
S-10	19-21	12 / 15	1.2		Dense	Brown-Gray		SM	HNU-0 17:20
		16 / 19	2.0			Brown-Gray		SM	Wet
S-11	21-23	10 / 17	1.0		Dense	Gray		SM	HNU-0 09:55
		15 / 45	2.0			Black-White	Saprolite - Weathered Biotite Gneiss		wet
S-12	23-24	22 / 100/5	1.0		V. Dense	—	No Recovery		HNU-0 wet 10:10
S-13	24-26	27 / 24	1.2		V. Dense	Gray-White	Saprolite - Gneissic-Remnant		HNU-0 10:20

REMARKS Driller Sabo/Cross Rig Line 75

BORING 7TB14

PAGE 1 OF 2

* See Legend on Back

000034

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7TB14
PROJECT NO.: 9594 DATE: 2-7-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 2-7-94 32° CLEAR

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, FL)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR OR USCS	REMARKS
S-13	25-26	26 40	2.0		V. Dense	Black-Dark White	Saprolite - Remnant Gneissic Fabric		
S-14	26-28	39 35 25 55	2.0		V. Dense	Black-White Pink	SAPROLITE		HNU - 10:34 Augers encountering wet difficult. cutting natural
							Bottom of Boring @ 28.0'		Augers become stuck (10° off vertical within borehole)

REMARKS

BORING 7TB14

PAGE 2 OF 2

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 7TB15
PROJECT NO.: 9594 — DATE: 2-7-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-7-94 CLEAR 34°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	10 17	1.5		Dense	Brick-Brown	Silty Clayey Sand and F-C	Fill	HNU-0 13:16
		23 27	2.0			Gray	gravel	Fill	moist
S-2	2-4	11 48	1.0		V. Dense	Brown	Silty Very Fine-Fine Sand	SM	HNU-0 13:19
		60 40	2.0			Brown	Tr. Gneissic gravel	SM	moist
S-3	4-6	12 5	1.2		M. Dense	Brown	Silty F-M Sand Biotite	SM	HNU-0 14:00
		6 60	2.0			Brown	Gneiss in tip of spoon	SM	moist (offset)
S-4	6-8	8 9	1.4		M. Dense	Gray-Brown	Silty Fine-V Fine Sand tr	SM	HNU-0 14:38
		7 7	2.0			Gray-Brown	silt laminations	SM	wet (offset)
S-5	8-10	3 13	1.5		M. Dense	Gray Brown		SM	HNU-0
		10 11	2.0			Gray-Brown		SM	WET
S-6	10-12	9 8	1.6		M. Dense	Gray	Silty, micaceous, very fine-	SM	HNU-0 14:52
		11 9	2.0			Gray	Fine Sand	SM	WET
S-7	12-14	7 8	1.5		M. Dense	Gray		SM	HNU-0 15:10
		9 8	2.0			Gray		SM	2"ø
S-8	16-18	7 6	1.2		M. Dense	Gray		SM	HNU-0 15:17
		6 7	2.0			Gray		SM	2"ø
	18-20								
S-10	20-22	8 7	1.4		M. Dense	Gray		SM	HNU-0 15:25
		8 8	2.0			Gray		SM	2"ø
	22-24								
S-11	24-26	8 7	1.3		M. Dense		Silty Micaceous VF-F Sand		HNU 15:35

REMARKS Driller Floyd Lewis Rig CME 75

BORING 7TB15

PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7TB15
PROJECT NO.: 9594 DATE: 2-7-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.P. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-7-94 Clear 34°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-11	24-26	8 / 6	2.0		M. Dense	Gray	Micaceous, Silty VF-F Sand	SM	WET 2" Ø
S-12	28-30	9 / 6			M. Dense	GRAY	Micaceous Silty VF-F Sand, Tr	SM	HNU-0 15:54
		21 / 60	2.0			GRAY	Biotite gneiss rock fragments	SM	WET 2" Ø
									Augers have difficulty advancing
S-13	31-32	20 / 75	.65 / 1.0		V Dense	GRAY-BLUE BLACK	Weathered Biotite gneiss - Saprolite		
							BOTTOM OF BORING - 32.0'		
							BACKFILLED BORING with Bentonite Cement Grout.		

REMARKS

BORING 7TB15

PAGE 2 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 7TB16
PROJECT NO.: 9594 DATE: 3-7-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 3-7-94 OVERCAST 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-3	3 / 5	1.8		LOOSE	ORANGE BROWN	SILTY VERY FINE-FINE SAND	SM	HNU-0 09:08
		5 / 6	2.0			BROWN	mottled		MOIST
S-2	3-5	2 / 1	1.0 ▽		V. LOOSE	BROWN	MICACEOUS SILTY VERY FINE-FINE	SM	HNU-0 09:15
		1 / 2	2.0			BROWN	SAND Fe STAINED	SM	WET 7TB16 0305
S-3	5-7	3 / 7	1.3		M. DENSE	ORANGE BROWN		SM	HNU-0 09:22
		10 / 13	2.0			ORANGE BROWN		SM	wet
S-4	7-9	10 / 15	1.4		DENSE	BROWN-GRAY		SM	HNU-0 09:26
		18 / 30	2.0			BROWN-GRAY		SM	wet
S-5	9-11	6 / 10	1.0		M. DENSE	GRAY-ORG BRN		SM	HNU-0 09:36
		15 / 14	2.0			GRAY-ORG BRN		SM	wet
S-6	11-13	11 / 10	1.5		M. DENSE	BROWN	MICACEOUS SILTY VF-Fine Sand	SM	HNU- 09:45
		18 / 15	2.0			BROWN	trace interbedded silt laminae	SM	MOIST-wet
S-7	13-15	6 / 11	1.2		M. DENSE	TAN	CLAYEY SILT	ML	HNU-0 9:52
		15 / 17	2.0			BROWN	MICACEOUS SILTY Sand w/interbedded Silt	SM/ML	
S-8	15-17	4 / 8	1.3		M. DENSE	BROWN		SM	HNU-0 10:00
		10 / 11	2.0			BROWN		SM	wet
S-9	17-19	10 / 11	1.5		M. DENSE	BROWN			HNU 10:08
		8 / 12	2.0			BROWN			
S-10	19-21	6 / 10	1.4		V. DENSE	BROWN	SILTY Med. COARSE SAND BIOTITE		HNU- 10:22
		32 / 34	2.0			BROWN	X STRAT Relict Gneissic Texture		wet (SAPROLITE)
							BOTTOM OF BORING-21.0'		AUGER REFUSAL AT 21.0'

REMARKS 3" Ø SPLIT BARREL SAMPLER. PULLED AUGERS AND BACKFILLED BORING WITH Bentonite Cement Grout

BORING 7TB16

PAGE 1 OF 1

* See Legend on Back

APPENDIX A.9

SITE 8 - GOSS COVE LANDFILL

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW2D
PROJECT NO.: 9594 DATE: 12-06-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS / Stan Conti
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0 1.0						Asphalt/crushed rock		Auger thru. It
S-1 @		14 12			med. Dense	Orange Brown	Sandy gravel with fill	GM Fill	No Hnu readings. Dry
0850	3.0	11 13	24/24		med. Dense		mtrl. - brkn. glass, metal, cinders, wood.		
									Auger Down
	5.0								
S-2 @		8 7		Fill	med. Dense	Grayish Brn.	Silty Sand some gravel	SM Fill	No Hnu readings
0905	7.0	6 10	24/24		med. Dense		and cobbles w/ fill		moist
							mtrl. - glass, brick, metal frags		Auger Down
	10.0								
S-3 @		4 6			med. Dense	Dark gray	Silty Sand some		Saturated
0920	12.0	6 6			med. Dense	to black	gravel & pebbs. trace		No Hnu readings
							fill mtrl.		Auger Down
	15.0			Sand					
S-4 @		3 6			Loose	Dark gray	Silty sand some	SM	Saturated Same caved fill mtrl above from
0930	17.0	9 9	7/24		med. Dense	"	gravel & pebbles		0.7 ppm
									Auger Down.
	20.0								
S-5 @		2 4			med. Stiff	Olive gray	Clayey silt - organic	OL	2.5 ppm sulfur
0939	22.0	3 3	18/24	Silt			trace. Calcareous shells &		odors. Saturated
							plant matter.		Auger Down
	25.0								

REMARKS CME 75
140 lb. automatic hammer
3" x 24" & 2" x 24" Split spoons

BORING 8MW2D
PAGE 1 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW2D
PROJECT NO.: 9594 DATE: 12-06-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis / Stan Conti
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-6 @	25.0	3 / 3			med stiff	Olive gray	Organic clayey silt	OL	12 ppm Saturated
0451	27.0	4 / 3	15/24		med. stiff.		trace of plant mtl. : wood, twigs & small frags.		Strong nat. sulfur odors
									Auger Down
	30.0								
S-7 @		2 / 2			Soft	Olive gray	Organic clayey silt	OL	Saturated
1010	32.0	2 / 2	3/24		Soft		trace. shells & plant mtr.		
				Silt					Auger Down
	35.0								
S-8 @		1 / 1			very soft	Brownish gray	Organic clayey silt	OL	16 ppm Saturated
1025	37.0	1 / 1	24/24		very soft		trace. sand & micaceous		Sulfur odors
									2" spoon
	40.0								
S-9 @		2 / 6			Loose	Gray	Fine to medium grain	SP	11 ppm Saturated
1039	42.0	7 / 7	10/24		med. dense		Sand (poorly sorted)		Sulfur odors
									Auger Down
				Sand					
	45.0								
	50.0								

REMARKS

BORING 8MW2D

PAGE 2 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8 mw 2 D
PROJECT NO.: 9594 DATE: 12-06-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis / Stan Conti
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-10 @	50.	3 / 6			loose	Gray	Fine to medium grain	SP	Saturated 2" Spoon
1200	52.0	7 / 7	13/24		med. Dense		Sand (poorly sorted)		NO Hnu readings
									Auger Down
	55.0								
	60.0								
S-11 @		9 / 8			med. Dense	Gray			NO Recovery
1411	62.0	8 / 7	0/24	Sand	med. Dense				No recovery
	65.0								
	70.0								
S-12 @		7 / 6			med. Dense	Olive Gray	Fine to medium grain Sand	SP	NO Hnu readings
1432	72.0	6 / 15	24/24	Fine Silty Sand	med. Dense	Olive Brn	Fine Silty Sand ~~Fine Sand~~	SM	
									Auger Down

REMARKS

BORING 8 mw 2D

PAGE 3 OF 4

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8mw2D
PROJECT NO.: 9594 DATE: 12-06-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis / Stan Conti
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
				Fine Silty Sand					
	80.0								
S-13		6 8			med. Dense	Olive Brn.	Fine Silty Sand	SM	Saturated
1502	82.0	10 12	4/24		med. Dense				NO HNU readings
									Auger Down
	85.0								

REMARKS

BORING 8mw2D

PAGE 4 OF 4

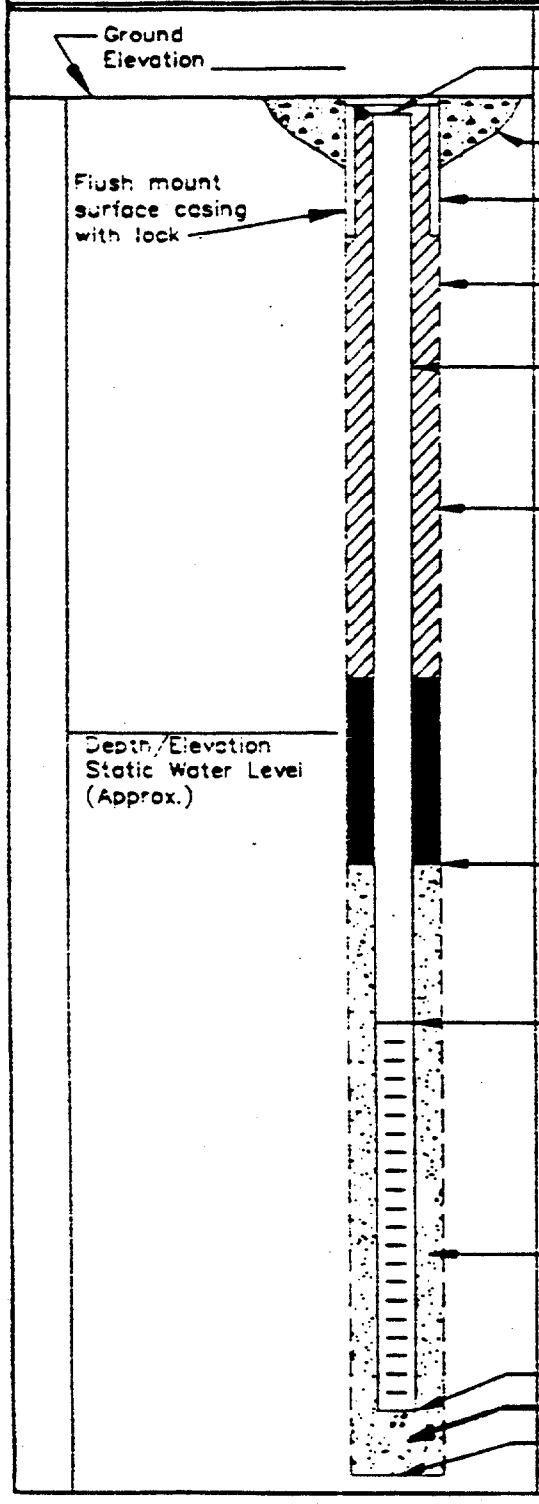
* See Legend on Back

NUS CORPORATION

WELL NO.: 8MW2D

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON	LOCATION: Goss Cove	DRILLER: Bret Swiatek
PROJECT NO.: 9594	BORING: 8MW2D	DRILLING METHOD: HSA
ELEVATION:	DATE: 12-6-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: PAUL DAVIS		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 53' /

DEPTH/ELEVATION TOP OF SCREEN: 54' GS/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 64' GS/

DEPTH/ELEVATION BOTTOM OF SAND: 64' GS/

DEPTH/ELEVATION BOTTOM OF HOLE: 82' ~~64'~~ GS/ P.D.

BACKFILL MATERIAL BELOW SAND: 24' - caved

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW5S
PROJECT NO.: 9594 DATE: 12-11-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0 / 1.0						Asphalt - Crushed rock	SM	Auger thru. it. 3" Spoons ↓
S-1 @		38 / 24	V		Very Dense	Brown	Silty Sand with pebs. & grav.	SM	No Hnu readings
1425	3.0	61 / 65	22/24	Silty Sand with pebbles	Very Dense	Dark Brown	Silty Sand w/ pebs & gravel	SM	Dry - Gniess & Qrtz cobbles
S-2 @		14 / 36			Very Dense		Same as		No Hnu readings
1430	5.0	39 / 42	3/24		Very Dense		above		moist
S-3 @		32 / 89			Very Dense	Brown	Silty Sand w/ pebs. & gravel	SM	moist
1440	7.0	76 / 95	12/24	Fill	Very Dense	Dark Brn.	Fill mtrl. - wood chunks, metal strips, glass	Fill	No Hnu readings
S-4 @		24 / 21			Dense	Dark Brn.	Fill mtrl. - wood chnks.,	↓	No Hnu readings
1444	9.0	32 / 19	4/24		Very Dense		brkn. glass, metal strips, sand, Gniess/Qrtz cobble	↓	moist
▼ S-5 @		24 / 14			Dense	Brown	Clayey Sand w/ pebbs.,	SC	Saturated
1452	11.0	13 / 20	2/24		Dense		gravels & cobble frags		No Hnu readings
S-6 @		14 / 69			Very Dense	Brown	Sandy gravel w/ gniess	GM	Saturated
1459	13.0	59 / 60	4/24		Very Dense		& Qrtz Cobble frags.		No Hnu readings
S-7 @		9 / 13			Med. Dense	Brown	Fine grain Sand with	SM	Saturated - Sheen on spoon
1510	15.0	11 / 10	16/24		Med Dense		silt some pebbs & gravel	↓	No Hnu readings.
S-8 @		4 / 5			loose	Olive Brown	Organic fine gr. Sand	↓	Sulfur odors No Hnu read.
1520	17.0	5 / 4	12/24		loose		w/ silt & pebbs./gravel trce. Shells	↓	Saturated Sheen on spoons
S-9 @		6 / 3			loose	Olive Brn.	Organic fine gr. Sand	↓	Saturated. No Hnu readings
1528	19.0	4 / 3	14/24		loose		w/ silt, pebs & grav. some shells	↓	Sulfur odor - Sheen on spoons
S-10 @		9 / 11			Med Dense	Olive Brn.	Same as		Same
1534	21.0	13 / 16	16/24		Med Dense		above		"
							- End of Boring -		

REMARKS CME 75
140 lb. auto. hammer
3" x 24" Split Spoon Sample barrels

BORING 8MW5S
PAGE 1 OF 1

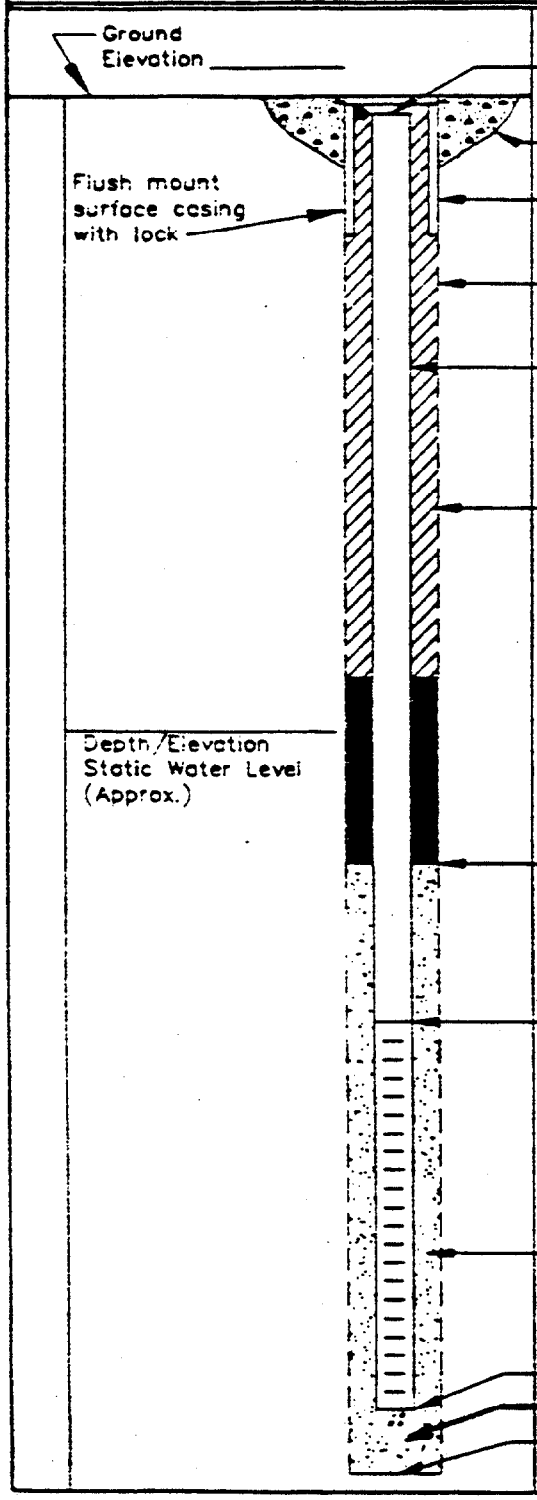
* See Legend on Back

NUS CORPORATION

WELL NO.: 8MW5S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON	LOCATION: Goss Cove	DRILLER: Bret Swintek
PROJECT NO.: 9594	BORING: 8MW5S	DRILLING METHOD: H.S.A.
ELEVATION:	DATE: 12-11-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST:		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 5.0' /

DEPTH/ELEVATION TOP OF SCREEN: 6.0' /

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 16' /

DEPTH/ELEVATION BOTTOM OF SAND: 16' /

DEPTH/ELEVATION BOTTOM OF HOLE: 21' /

BACKFILL MATERIAL BELOW SAND: Caved / Sand

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW 6S
PROJECT NO.: 9594 DATE: 12-07-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	6 / 14			Med. Dense	Dark Brn.	Top soil - grass roots Silty Sand with some		Dry (3" Spoons)
1425	2.0	25 / 38	24/24		very Dense	Brnish Tan	pebbles and rounded cobbles		0.4 ppm
									Auger Down
	4.0								
S-2 @		14 / 27		Silty Sand with pebbles	Dense	Brnish Tan	Silty Sand with		Moist
1442	6.0	36 / 42	24/24		very Dense		Some pebbs. & cobbs.		1.2 ppm
									Auger Down
	9.0								
S-3 @		27 / 62			very Dense	Dark Brn.	Silty Sand w/ pebbs/cobbs		Saturated
1454	11.0	18 / 14	18/24		Dense	Gray	Fill mtrl. - Concrete &		Fill. Saturated
				Fill			cement frags., sand,		NO Hnu readings
							metal strips, and brkn. glass		Auger Down
	14								
S-4 @	14.5	100/6	6/6		very Dense	Grayish Brn.	Fill mtrl. - Concrete frags,		Very hard drilling for Rig - Rig stalled out
1500							brkn. glass, metal, sand &		Refusal at 14.5'
							pebbles.		NO Hnu readings.

REMARKS CME 75
140 lb. automatic hammer
3" x 24" split spoon sample barrels

BORING 8MW6S

PAGE 1 OF 1

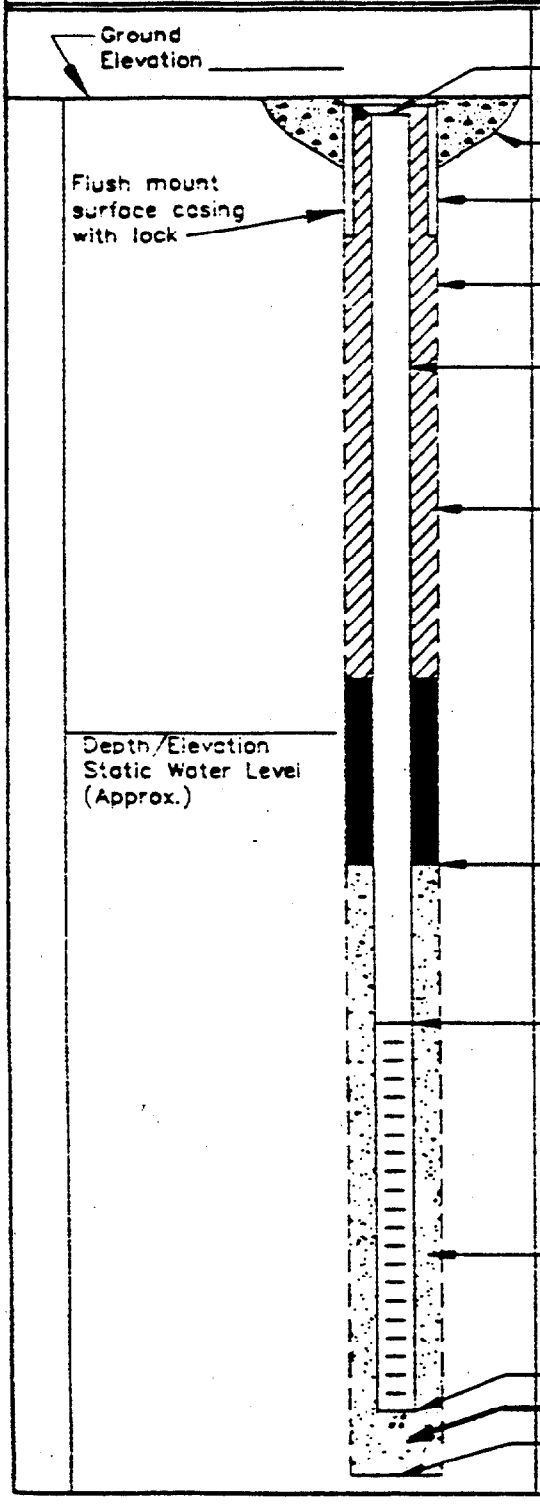
* See Legend on Back

NUS CORPORATION

WELL NO.: 8MW 6S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON	LOCATION: Goss Cove	DRILLER: Bret Swiatek
PROJECT NO.: 9594	BORING: 8MW 6S	DRILLING METHOD: HSA
ELEVATION:	DATE: 12-07-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: PAUL DAVIS		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement & Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 3' GS

DEPTH/ELEVATION TOP OF SCREEN: 4' GS

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 14' GS

DEPTH/ELEVATION BOTTOM OF SAND: 14' GS

DEPTH/ELEVATION BOTTOM OF HOLE: 14' GS

BACKFILL MATERIAL BELOW SAND: -N.A.-

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW6D
PROJECT NO.: 9594 DATE: 12-08-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						Asphalt/crushed rock		3" spoon
	1.0								
S-1 @		14 / 25		Silty Sand with pebbles	Dense	Brown	Sandy Silt w/some pebbles & cobbles	SM	0.6 ppm moist
0812	3.0	40 / 48	18/24		Very Dense	Orange Brown	Silty Sand w/some pebbles & cobbles	SM	Subrounded pebbles/cobbles
	4.0								Boulder in way auger thru it.
S-2 @	5.0	19 / 26			Dense	Dark Gray	Clayey Silt trace of pebbles	SC	0.0 ppm
0824	6.0	30 / 48	18/24	Fill	Very Dense	Black	Fill mtrl. - brkn. brick frags cement, glass, sand	Fill	moist *
S-3 @		20 / 18			Dense	Black	Fill mtrl. - Sand, brkn. glass frags,		1.0 ppm moist
0828	8.0	14 / 8	12/24		Med. Dense		brkn. cement chnks, paper metal strips		wet
S-4 @		8 / 6			Med. Dense	Black	Fill mtrl. Same		Saturated 5 ppm
0835	10.0	6 / 4	2/24		Med. Dense		- as above -		Sheen on Spoon.
S-5 @		4 / 1			Med. Dense	Black	Fill mtrl. - alot of Sand,		Saturated
0843	12.0	5 / 5	8/24		Med. Dense		brkn. brick frags, wood chnks, metal debris.		No Hnu readings.
S-6 @		2 / 2			loose	Black	Fill mtrl. - Same		Saturated
0849	14.0	2 / 2	4/24		loose		as above w/ Sand		Sheen on Spoon.
S-7 @		3 / 6			loose	Black	Fill mtrl. Same as		1.0 ppm
0859	16.0	4 / 5	13/24		loose		above some Sand trace silt		Saturated.
S-8 @		6 / 14			Med. Dense	Black	Fill mtrl. - Same as		No Hnu readings
0911	18.0	28 / 42	13/24		Very Dense		above w/ Concrete frags.		very Hard drilling relocate drill rig
	19.0								
S-9 @		4 / 10		Silty Sand	Med. Dense	Dark Brn.	Silty Sand - micaceous	SM Fill	No Hnu readings 2" spoon
1043	21.0	14 / 10	3/24		Med. Dense		trace of fill mtrl.		Saturated.
1									Auger Down
	24.0			Org. clayey silt					
S-10 @	25.0	1 / 1			Soft	Olive Brn.	Organic Clayey Silt	OL	13 ppm wet Somewhat plastic

REMARKS CME 75
140 lb. automatic hammer
3" x 24" & 2" x 24" split spoon sample barrels

BORING 8MW6D
PAGE 1 OF 3

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW 6D
PROJECT NO.: 9594 DATE: 12-08-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
1057	26.0	1 / 1	24/24		Soft	Olive Gray	Organic clayey silt trce. of weathered ivcs. roots. and shells.	OL	Sulfur odors 2" Spoon
									Auger Down
	29.0								
S-11 @		1 / 1		Org. clayey silt	Soft	Olive Gray	Organic clayey silt	OL	3 ppm Saturated
1105	31.0	1 / 1	6/24		Soft		w/ trce of calcareous shell		Sulfur odors moderate plasticity
									Auger Down
	34.0								
S-12 @		2 / 1			Soft	Olive Gray	Organic clayey silt	OL	13 ppm - Sulfur odor
1114	36.0	1 / 2	24/24		Soft		w/ some calc. shells frags		moderate plasticity.
									Auger Down
	39.0								
S-13 @		1 / 1		Silty Sand	very loose	Gray	Silty Sand with some	SM	Saturated
1125	41.0	1 / 1	18/24		very loose		micaceous flakes		4 ppm
									Auger Down
	44.0								
S-14 @		4 / 3			loose	Gray	Silty Sand w/ mica flakes	SM	3 ppm Saturated
1229	46.0	6 / 6	18/24		med. dense	Gray	Fine grain Sand with mica flakes		Auger Down
	49.0								
S-15 @	50.0	6 / 13		F.G. Sand	med dense	Gray	Fine grain Sand trce silt	SM SP	1.0 ppm Saturated

REMARKS

BORING 8MW 6D

PAGE 2 OF 3

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW6D
PROJECT NO.: 9594 DATE: 12-08-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
1250	51.0	19 / 17	14/24	Fine grain Sand	Dense	Gray	Fine grain Sand trace Silt	SM SP	Saturated (2" spoon ↓)
									Auger Down
	54.0								
S-16 @		10 / 14			Med Dense	Brownish Gray	Fine to med. gr. Sand	SM SP	wet
1305	56.0	11 / 11	10/24		Med. Dense				No Hnu readings
									Auger Down
				Fine to med. grain Sand					
	59.0								
S-17 @		4 / 14			Med. Dense	Brnish Gray	Fine to med. grain -	SM SP	No Hnu readings
1336	61.0	14 / 10	24/24		Med. Dense		Sand		wet
									Auger Down
	64.0								
S-18 @		8 / 11			Med. Dense	Brnsh Gray	Fine to med. grain	SM SP	No Hnu readings
1400	66.0	8 / 7	20/24		Med. Dense		Sand		wet
									Auger Down
	69.0								
S-19 @		12 / 15		Fine silty Sand	Med Dense	Olive Brown	Very Fine Silty Sand	SM	wet
1437	71.0	18 / 10	12/24		Med Dense				No Hnu readings
							- End of Boring -		

REMARKS

BORING 8MW6D

PAGE 3 OF 3

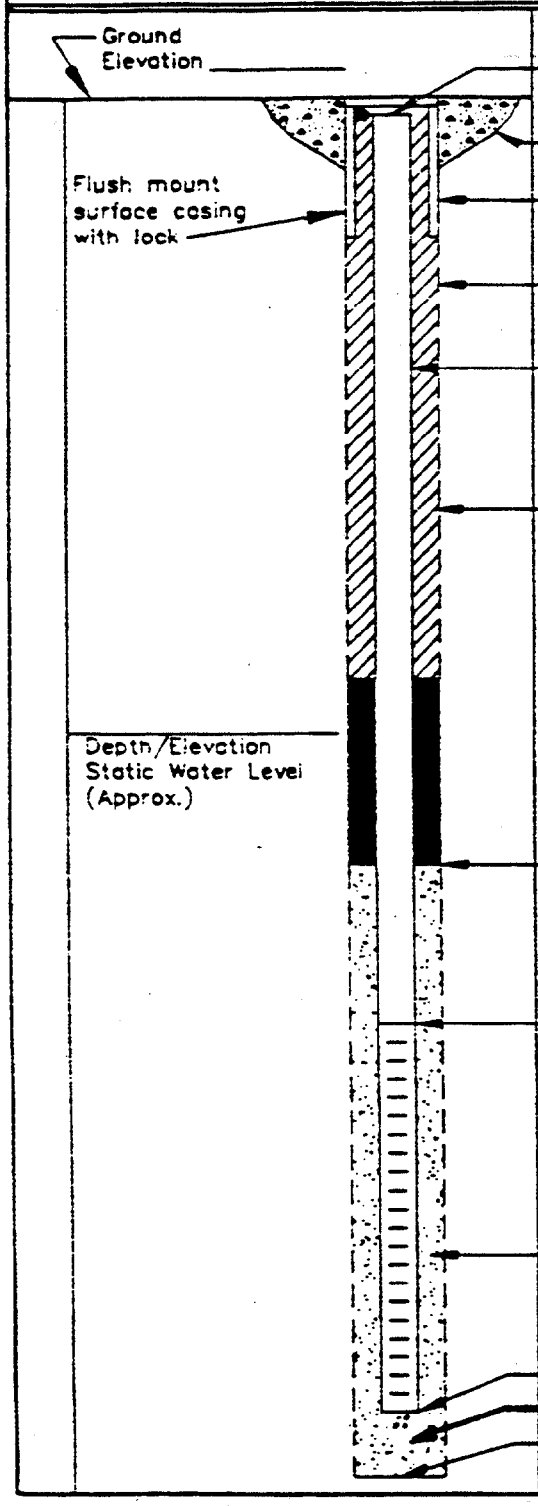
* See Legend on Back

NUS CORPORATION

WELL NO.: 8MW6D

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON	LOCATION: Goss Cove	DRILLER: Bret Swiatek
PROJECT NO.: 9594	BORING: 8MW6D	DRILLING METHOD: H.S.A.
ELEVATION:	DATE: 12-08-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Paul Davis		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 59'/

DEPTH/ELEVATION TOP OF SCREEN: 60'/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 70'/

DEPTH/ELEVATION BOTTOM OF SAND: 70'/

DEPTH/ELEVATION BOTTOM OF HOLE: 70'/

BACKFILL MATERIAL BELOW SAND: Silica Sand

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW7S
PROJECT NO.: 9594 DATE: 12-09-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	6 / 4			Med. Dense	Dark Brown	Top Soil - Grass roots		No Hnu reading 3" Spoons
1342	2.0	9 / 11	18/24	Silty Sand with pebbles	Med. Dense	Brown	Silty Sand w/ pebbs. gravel	SM	moist
S-2 @		13 / 12			Med. Dense	Brown orange	Silty Sand w/ pebbs		No Hnu readings
1346	4.0	9 / 9	20/24		Med. Dense		& gravel		moist 1st Bore-hole
S-3 @		6 / 6			Med. Dense	Dark Brown	Clayey Sand with	SC	No Hnu readings moist
1358	6.0	7 / 4	13/24	Fill	Med. Dense		cobbles & pebbles		Saturated
S-4 @		4 / 10			Med Dense	Dark Brn.	Fill mtrl. - brkn. glass	Fill	Saturated
1401	~~8.0~~ 7.5	100/6 X	3/18		Very Dense		brick frags, plastic & fiber-glass some sand.		Auger Refusal Relocate borehole
S-5 @		4 / 6			Med. Dense	Olive Brown	Clayey Silt with fill		Saturated
1450	10.0	5 / 5	3/24		Med Dense		mtrl. - wire, glass, wood, porcelain frags		No Hnu reading.
S-6 @		4 / 5			loose	Black	Fill mtrl. - brkn. brick,		4 ppm
1455	12.0	4 / 4	12/24		loose		pebbles, glass, conc. & a lot of sand		Saturated.
S-7 @		6 / 4			Med. Dense	Black	Fill mtrl. - Same as above		1 ppm 2nd borehole
1500	14.0	5 / 6	12/24		Med. Dense		with much sand & pebbs.		Saturated.
S-8 @		8 / 11			Med. Dense	Black	Fill mtrl. - Same		20 ppm Petroleum odor
1509	16.0	14 / 17	16/24		Dense		as above -		Saturat. Sheen
S-9 @		9 / 7			Med. Dense	Black	Fill mtrl. Same as above		3.0 ppm
1513	18.0	6 / 5	14/24	Silty Clay		Gray	Silty Clay trce. Sand	CL/	Saturated.
S-10 @		6 / 11			V STIFF	Olive Brn.	Silty Clay with some	Fill	No Hnu
1518	20.0	10 / 10	20/24				Sand and trce. of fill		readings
							mtrl. (glass frags / wood)		
							- END OF Boring -		

REMARKS CME 75
140 lb. automatic hammer
3" x 24" Split Spoon Sample barrels

BORING 8MW7S
PAGE 1 OF 1

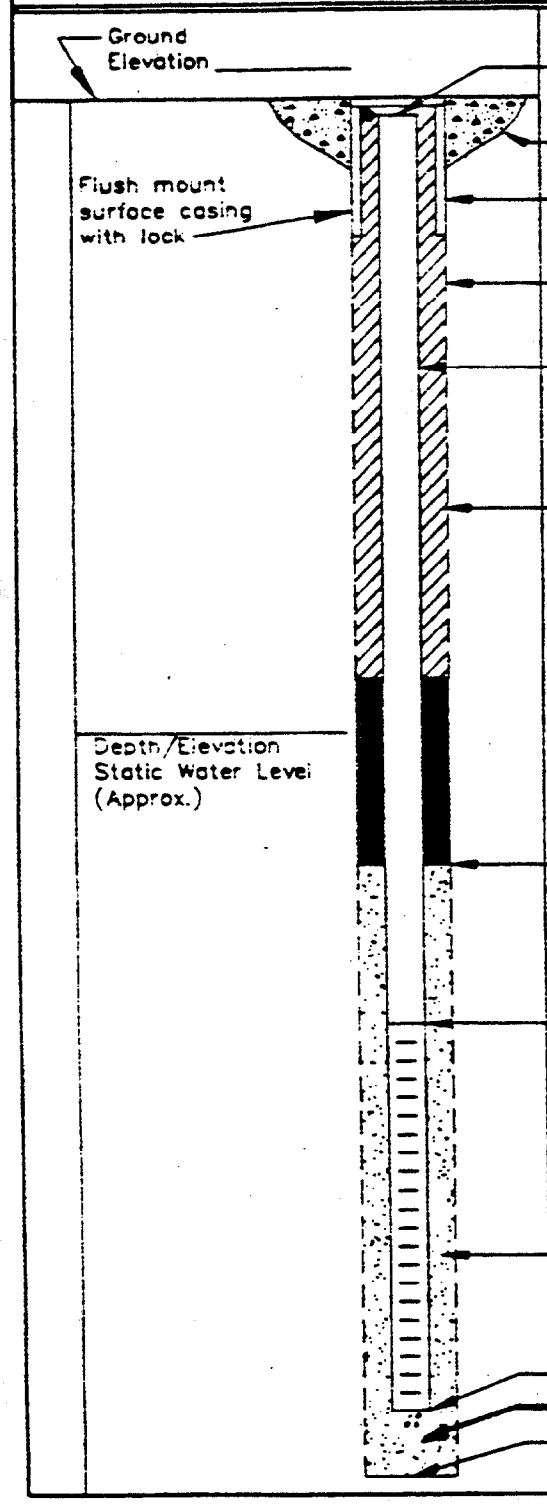
* See Legend on Back

NUS CORPORATION

WELL NO.: 8mw7S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Goss Cove	DRILLER: Bret Swiatek
PROJECT NO.: 9594	BORING: 8mw7S	DRILLING METHOD: H.S.A.
ELEVATION:	DATE: 12-09-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Paul Davis		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 3' /

DEPTH/ELEVATION TOP OF SCREEN: 4' /

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 14' /

DEPTH/ELEVATION BOTTOM OF SAND: 14' /

DEPTH/ELEVATION BOTTOM OF HOLE: 20' ~~19~~ / P.D.

BACKFILL MATERIAL BELOW SAND: Caved f Sand

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8 MW 8 S
PROJECT NO.: 9594 DATE: 12-10-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	24 / 32			Very Dense	Dark Brn.	Top Soil - grass roots		Dry
0826	2.0	37 / 41	24/24		Very Dense	Brown	Gravelly Sandy Silt w/ pebbles	GM	no Hnu readings
S-2 @		19 / 16			Dense	Brown	F.G. Sand with Silt and	SP	moist
0833	4.0	10 / 9	18/24		Med. Dense		pebbles (Gniess frags)		NO Hnu readings
S-3 @		8 / 6			Med. Dense	Brn.	Same as		No Hnu readings
0854	6.0	7 / 7	8/24		Med. Dense		above		moist (Gniess frags)
S-4 @		7 / 2			loose	Brn.	Same as above		No Hnu readings
0857	8.0	3 / 6	3/24		loose		(Gniess & Qrtz frags.)		moist
S-5 @		8 / 11			Med. Dense	Brn.	Same as above		No Hnu readings
0905	10.0	10 / 10	2/24		Med. Dense		(Gniess & Qrtz frags)		moist
							- End of boring -		Very hard drilling rig stalled. Auger Refusal at 10' grinding against rock Will use air rotary to continue boring at a later date.

3" Spoons

REMARKS CME 75 140 lb. automatic hammer
3" x 24" Split Spoon sample barrels

BORING 8MW8S

PAGE 1 OF 1

* See Legend on Back

000016

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW8S
PROJECT NO.: 9594 DATE: 12-15-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. or USCS	REMARKS
	6.0						No Litho Logged to 12'		8½"Ø AIR HAMMER
							Due to AIR Drilling		0' TO 12'
									SET TEMP CASING
									TO 12'
	5.0								
									NO H_2O to 12'
	10.0								HIT BR @ 12'
12.0 @1340				12.0				VBR	BREAK 12.15'
								BR BL	HORIZ FRAC 13.05'
4.48/5.0		89.6%	4.85/5.0		HARD	BLACK & WHITE	BIO-QTZ - FSPAR GNEISS	BR	HORIZ FRAC 13.30' LONG JNT 14.30'
							W/ GRANITE VEIN		HI & JNT 14.8'-14.95' HORIZ FRAC 15.5'
									HI & JNT 15.5'-15.7' HORIZ FRAC 15.7
17.0 @1600									HORIZ FRAC 16.4'
									SCREEN 7'-17'
									SAND 5'-7'
									PELLETS 3'-5'

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
HQ CORE 4" OD, 2 5/8" ID

BORING 8MW8S

PAGE 1 OF 1

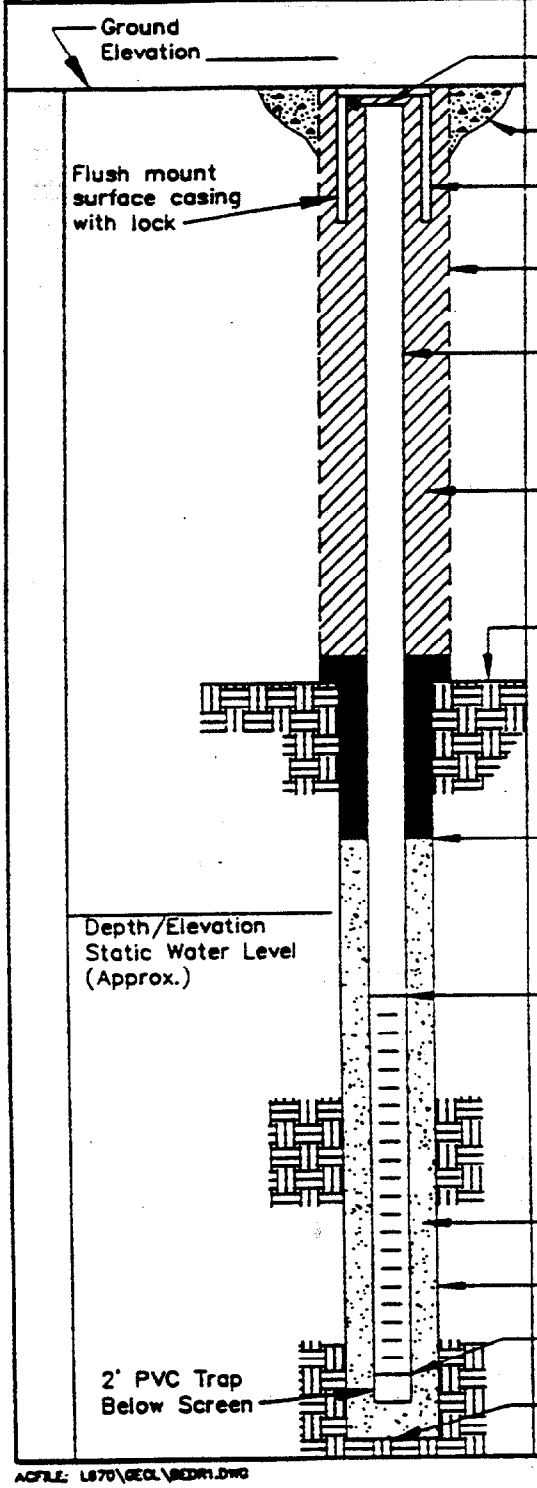
* See Legend on Back

WELL NO.: 8 MW8S

HALLIBURTON NUS
Environmental Corporation

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON	LOCATION: GROTON, CT.	DRILLER: EAST COAST
PROJECT NO.: 9594	BORING: 8 MW8S	DRILLING METHOD: HSA / HQ Core
ELEVATION:	DATE: 12-15-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

DEPTH/ELEVATION TOP OF BEDROCK: 12' /

DEPTH/ELEVATION TOP OF SAND: 5' /

DEPTH/ELEVATION TOP OF SCREEN: 7' /

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DIAMETER OF HOLE IN BEDROCK: 4"

DEPTH/ELEVATION BOTTOM OF SCREEN: 17' /

DEPTH/ELEVATION BOTTOM OF SAND: 17' /

DEPTH/ELEVATION BOTTOM OF HOLE: 17' /

BACKFILL MATERIAL BELOW SAND: N/A

ACFILE: L870\GEOL\BEDR1.DWG

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW8D
PROJECT NO.: 9594 DATE: 12-14-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0						No Litho logged to 30'		
							due to AR Drilling		
	5.0								
	10.0								
	12.0			12.0					HIT BR @ 12.0'
	15.0								
	20.0								
	25.0								

REMARKS CHICAGO PNEUMATIC 672 AIR ROTARY RIG
12/14 8½" ø AIRHAMMER 0' TO 13', TEMP CASING @ 13'
5⅞" ø AIR HAMMER 13' TO 65'
12/15 5⅞" ø AIR HAMMER 65' TO 80'

* See Legend on Back

BORING 8MW8D
PAGE 1 OF 4

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW8D
PROJECT NO.: 9594 DATE: 12-14-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	30.0				M. HARD	GRAY	GNEISS		MICACEOUS
	35.0								
	40.0				M. HARD	GRAY	GNEISS		MICACEOUS
	45.0								
	50.0				M. HARD	GRAY	GNEISS		MICACEOUS

REMARKS LOG CUTTINGS 30'-50'

BORING 8MW8D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8MW8D
PROJECT NO.: 9594 DATE: 12-14-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	50.0								
	55.0								
	60.0								
12/14	65.0								NO H_2O to 65' @ 1600
12/15									LET SIT OVERNIGHT H_2O @ 0700
									Will continue to 80'
									& Screen 50'-80'
	70.0								
	75.0								

REMARKS

BORING 8MW8D

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8MW8D
PROJECT NO.: 9594 DATE: 12-15-93 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS WAYNE LINEBERRY
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	75.0								
				78'					
									CAVE-IN TO 78'
	80.0								
							SCREEN 48'-78'		
							SAND 38'-78'		
							PELLETS 37'-38'		
							TOTAL DEPTH 80'		
							CAVED TO 78'		

REMARKS

BORING 8MW8D

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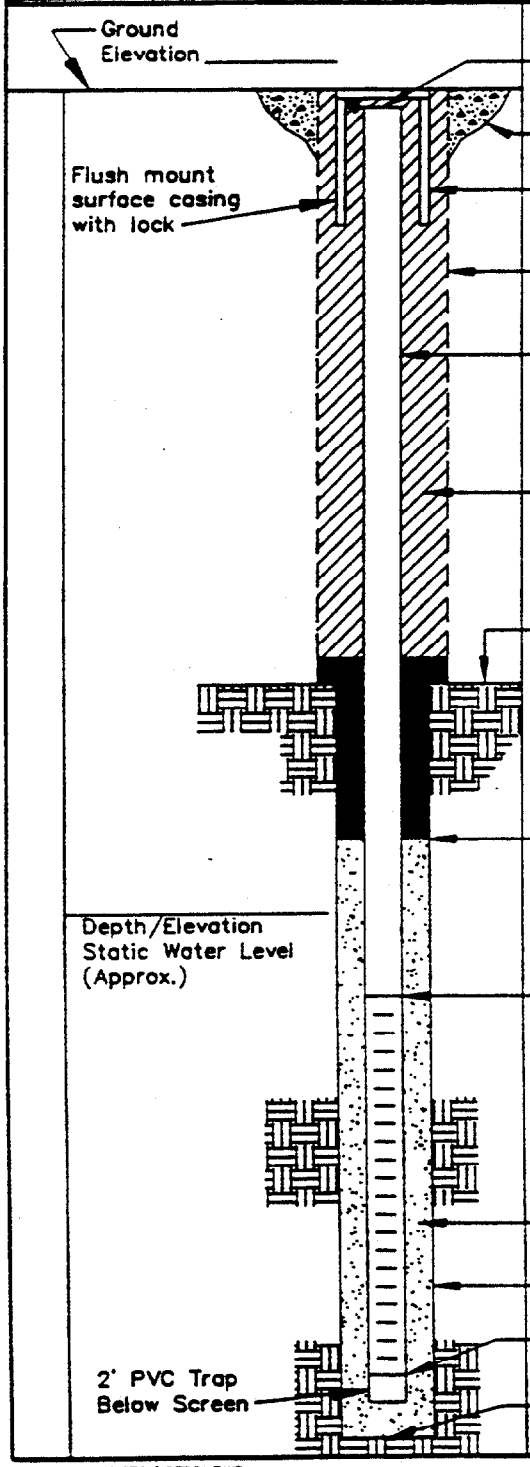
* See Legend on Back

WELL NO.: 8MW8D

HALLIBURTON NUS
Environmental Corporation

BEDROCK MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT: NSB-NLON	LOCATION: GROTON, CT.	DRILLER: EAST COAST
PROJECT NO.: 9594	BORING: 8MW8D	DRILLING METHOD:
ELEVATION:	DATE: 12.15.93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: TIM EVANS		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

DIAMETER OF HOLE: 8½"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

DEPTH/ELEVATION TOP OF BEDROCK: 12' /

DEPTH/ELEVATION TOP OF SAND: 38' /

DEPTH/ELEVATION TOP OF SCREEN: 48' /

TYPE OF SCREEN: PVC

SLOT SIZE × LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DIAMETER OF HOLE IN BEDROCK: 6"

DEPTH/ELEVATION BOTTOM OF SCREEN: 78' /

DEPTH/ELEVATION BOTTOM OF SAND: 78' /

DEPTH/ELEVATION BOTTOM OF HOLE: 80' /

BACKFILL MATERIAL BELOW SAND: Natural

ACFILE: L670\GEOL\BEDR1.DWG

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB4
PROJECT NO.: 9594 DATE: 12-10-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.5	14 / 12			Med. Dense	Dark Brn.	Asphalt - crushed rock Fill mtrl. - Clayey Silt	Fill	Auger thru. it
1422	2.5	10 / 10	18/24		Med Dense		w/ trace. Sand, Pebbs, & Cobbs		No Hnu readings.
S-2 @		x / 16		Fill	Med Dense	Olive Brn.	Fill mtrl. - Clayey Silt		No Hnu readings
1428	4.0	8 / 7	18/18		Med Dense	to Dark Brown	w/ wood chnks, broken brick & conc. frags, Sand		Dry
S-3 @		8 / 7			Med Dense	Dark Brn.	Fill mtrl. - Clayey Silt		No Hnu readings
1435	6.0	6 / 11	20/24		Med Dense		trce Sand brkn. brick frags pebbs. & cobbs.		Dry.
S-4 @		14 / 64			Very Dense	Dk. Brn.	Same as above Fill mtrl. - Clayey Silt		Wet
1511	8.0	22 / 18	24/24		Dense	Olive Brn.	Silty F.G. Sand pcs.	SM	No Hnu readings
							of vegetation & Shells.		very hard augering grinding against rock
							- End of Boring		Auger Refusal @ 9'

REMARKS CME 75
140 lb. auto hammer
2" x 24" Split spoons

BORING 8TB4
PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB5
PROJECT NO.: 9594 DATE: 12-10-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.5	32 / 41		Silty Sand pebbles	Very Dense	Dr. Brn.	Asphalt & crushed rock Silty Sand with gravel	SM	NO Hnu readings
0955	2.5	40 / 38	22/24			Brown	Silty Sand with gravel	SM	Dry
S-2 @		x / 35					↓		Dry
1000	4.0	51 / 55	14/18		Very Dense	Black	Fill mtrl. - metal, wood, clayey sand	Fill	5 ppm
S-3 @		22 / 18				Grayish Brn.	Fill mtrl. - Clayey Silt	Fill	1 ppm moist
1010	6.0	45 / 65	19/24		Very Dense		gravel, rubber, wood; w/ glass, metal.		(gniess frags)
S-4 @		10 / 22			Dense		↓		NO Hnu readings
1015	8.0	11 / 8	16/24		Dense				moist
S-5 @		6 / 9			med. Dense	Dark Brn.	Trce. sand & pebbles		Wet NO
1021	10.0	11 / 11	8/24		med. Dense		↓		Wet Hnu readings
S-6 @		4 / 6		Fill	Stiff	Brown	Clayey Silt with trce	Fill	Saturated
1031	12.0	7 / 7	10/24		Stiff		Sand & pebbs & trce fill.		NO Hnu readings
S-7 @ 1035	12.5	100/6 / X	1/6		Hard		↓		
	14.0	X / X			X		↓		
S-8 @		22 / 30			Very Dense		Silty Sand w/ pebbs.	SM Fill	NO Hnu readings
1046	16.0	45 / 50	18/24		Very Dense		& cobbs. (gniess frags)		
S-9 @		12 / 24				Grayish Blk.	Unknown Substance cylinder shape	Fill	
1055	18.0	5 / 5	10/24		med Dense		light weight coal-like mtrl.		Dry - No Hnu reading
S-10 @		14 / 10			med. Dense	Black	Coarse grain Sand	Fill	Saturated
1103	20.0	4 / 3	12/24				with trce. fill mtrl.		NO Hnu reading.
							- End of Boring -		

REMARKS CME 25
140 lb. auto. hammer
3" x 24" Split spoon sample barrels

BORING 8TB5

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8TB6
PROJECT NO.: 9594 DATE: 12-10-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	10 / 6		Fill	med. Dense	Dark Brn.	Top soil Fill - Clayey silt w/ pebbles	CL OL	Dry 3" Spoons
1248	2.0	5 / 5	24/24		med. Dense	Dk. Brn.	brkn. brick frags, cobbs, concrete frags, glass	Fill	NO Hnu readings
S-2 @		7 / 11			med. Dense	Dk. Brn.	Fill - Clayey silt trace of		Dry (Qrtz frags)
1258	4.0	19 / 24	18/24		MED. Dense		Sand - brkn. brick frags		NO Hnu readings
S-3 @		10 / 18			Dense	Brn.	Fill - Clayey silt trce. Sand		NO Hnu readings
1309	6.0	26 / 30	14/24		Dense	Brnish Orange	Sand some silt with Fill - wood, glass, metal		moist.
S-4 @		29 / 32			very Dense	Brnish orange	Fill - Sand Some silt		NO Hnu readings
1315	8.0	18 / 12	18/24		Very Dense	Brn	alot of thick wood chips		wet strong Naphthalene odor *
S-5 @	9.0	35 / 100/6	12/12		Very Dense		Thick pce of wood Kerosene odor		60 ppm
1333	10.0					Gray white	Crystaline Sandy Substance		15 ppm Naphthalene odors
							-End of boring-		Very hard augering
									Rig stalled - grinding

REMARKS CME 75
140 lb. Automatic hammer
3" x 24" Split Spoon Sample barrels

BORING 8TB6
PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB 7
PROJECT NO.: 9594 DATE: 12-12-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	14 / 20			Dense	Dk. Brn.	Top soil		moist
1018	2.0	18 / 12	18/24		Dense	Brn.	Silty Sand w/ pebbs/cobbs	SM	No Hnu readings
S-2 @		28 / 34			Very Dense	Brn.	Silty Sand with	SM	No Hnu readings
1022	4.0	40 / 36	14/24		Very Dense		pebbles & Gravel		moist
S-3 @		14 / 22			Dense	Brn.	Same as above		wet
1033	6.0	10 / 6	14/24		Dense		Trce. fill mtrl. chnks wood creosote odor	Fill	10 ppm creosote odor
S-4 @		30 / 38			Very Dense				No recovery wet
1037	8.0	42 / 69	0/24		Very Dense				No recovery
S-5 @		5 / 6			Loose		Gniess fragment		Very hard drilling grinding agnst rock
1124	10.0	4 / 7	2/24		loose				Relocate rig to 2nd bore hole.
S-6 @		6 / 4			loose	Black	Wood Chunk - roofing Sealant odor		Saturated 8 ppm
1129	12.0	5 / 5	3/24		loose	Brn.	Sand and gravel		5 ppm
S-7 @		3 / 2			Vloose	Blk.	Sand and Cinders		Sealant odor oily sheen
1132	14.0	2 / 2	10/24		Vloose	Brn.	Silty Sand - organic		Sulfur odor.
S-8 @ 1140	15.0	14 / 100/6	10/12		Very Dense	Orng Blk.	Sand some silt petrol. odor		2 ppm Saturated
							Auger refusal -		Very hard drilling grinding agnst rock

REMARKS CME 75
140 lb. auto. hammer
3" x 24" Split Spoons

BORING 8TB 7

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB8
PROJECT NO.: 9594 DATE: 12-11-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY / SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.5	14 / 19		Silty Sand	Dense	Brown	Asphalt / Crushed rock Silty Sand w/ gravel & pebbs	SM	Auger thru. it. No Hnu readings
1050	2.5	16 / 10	20/24		Dense		tree. brick frag's Silty Sand w/ pebbs & gravel	SM	Dry
S-2 @		X / 10		Fill	Med. Dense	Brown	Fill mtrl. - Silty Sand w/	Fill	No Hnu readings
1054	4.0	8 / 6	18/18		Med. Dense		brkn. brick & Concrete frags pebbs & gravel		Dry
S-3 @		22 / 41			Very Dense	Brn.	Fill mtrl. - Sandy silt		No Hnu readings
1100	6.0	38 / 39	20/24		Very Dense		w/ concrete & brick frags., cobb. frags, glass, cinders, slag		Dry
S-4 @		16 / 12			Dense	Brn.	Fill - Sandy Silt w/ pebbs/gravel Some Coal.		No Hnu readings
1106	8.0	22 / 14	20/24		Dense	Grayish Brn.	Fill - Fine grain Sand w/ Silt brkn brick/conc. frags		Wet
S-5 @		22 / 48			Very Dense	Grayish brn.	Fill - Same as above		Wet No Hnu readings
1115	10.0	39 / 61	18/24		Very Dense	Black	Fill - Sandy gravel - big pce of lead - pcs. of brick/concrete		Some wood chnks & metal - SATURATED
S-6 @		11 / 10			Med. Dense	Dark Brn.	Fill mtrl. - Sandy gravel w/		Saturated paint odors 14 ppm
1122	12.0	14 / 13	14/24		Med. Dense		pcs. of brkn. brick, concrete, wood, glass, metal, plctn. paint chips		Sheen on spoon.
S-7 @		13 / 17			MED Dense	Dark Brn.	Same as		5 ppm - Saturated
1127	14.0	10 / 16	12/24		Med Dense		above		Sheen on spoon
S-8 @		6 / 4			loose	Dark Brn.	Fill mtrl. brkn. brick		2 ppm Saturated
1136	16.0	2 / 2	4/24		loose		Conc. frags, metal, cinders.		Sheen on spoon.
S-9 @		3 / 1			V. loose		Fill mtrl. Same		2 ppm alot of
1141	18.0	1 / 3	8/24		V. loose		as above		sheen on spoon
S-10 @		3 / 3		Org. clayey silt	loose	Olive Brown	Organic clayey silt	OL	Sulfur odor
1145	20.0	3 / 3	8/24		loose		w/ trce of sand and		No Sheen.
							Some shells & plnt. mtr.		
							- End of Boring @ 20' -		

REMARKS CME 75 140 lb. automatic hammer
3" x 24" Split spoon Sample barrels

BORING 8TB8

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB9
PROJECT NO.: 9594 DATE: 12-12-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	4 / 6		Silty Sand	Med. Dense	Dk. Brn Brn	Top Soil Silty Sand w/ pebbles	SM	moist
1324	2.0	12 / 10	18/24		Med. Dense		& gravel	SM	No Hnu readings
S-2 @		3 / 2			MED. DENSE	Reddish Brn.	Silty Sand w/ pebbs. Fill mtrl. - Sand, pebbs,		moist
1326	4.0	9 / 11	20/24		Med. Dense	Brn Tan	Metal frags, plastic wrap, Fine grain Sand w/ silt	Fill	No Hnu readings
S-3 @		13 / 24			Dense	Dark Brn.	Fill mtrl. - brkn. glass,		30 ppm Solvent odors *
1340	6.0	42 / 65	20/24		Very Dense		metal, wood, brick, porcelain some clay		paint/solvent odor
S-4 @		22 / 13			Dense	Dark Brn.	Fill mtrl. - brkn. brick,		8 ppm Solvent odor
1344	8.0	24 / 36	12/24	Fill	Dense		prcln, glass frags, & metal		wet
S-5 @ 1355	9.0	52 / 100/6	12/12		Very Dense		Same as above		24 ppm wet
	10.0	X / X							Solvent odor.
S-6 @		38 / 42			Very Dense	Drk. Brn.	Fill mtrl. - brkn. glass,		9 ppm Saturated
1404	12.0	14 / 10	12/24		VERY Dense		wood, metal Some Sand & Silt		
S-7 @		41 / 34			Very Dense		Same as		4 ppm Saturated
1410	14.0	36 / 48	6/24		Very Dense		above		
S-8 @ 1418	15.0	34 / 100/6	12/12		Very Dense	Blk.	Fill mtrl. - Clayey silt trce. of Sand		2 ppm Saturated
							- End of Boring -	↓	Auger Refusal

REMARKS CME 75 140 lb automatic hammer
3" x 24" Split Spoons

BORING 8TB9

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB 10
PROJECT NO.: 9594 DATE: 12-11-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: PAUL DAVIS
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.5	21 / 16		Silty sand	MED Dense	Dark Brn.	Asphalt (rock crushed) Silty Sand w/ pebbs.	Sm	Auger thru. it. NO HNU reading 3" Spoon
0813	2.5	13 / 25	18/24	Clayey silt	MED Dense	Dark Brn.	Clayey Silt w/ pebbs & gravel	Sm/SC	Dry
S-2 @		x / 14			Dense	Brn.	Clayey Silt w/ trce Sand		NO HNU readings
0821	4.0	26 / 19	18/18	Fill	Dense	Black	Fill mtrl. - glass, wood some sand	Fill	moist
S-3 @		26 / 14			Dense	Black	Fill mtrl. - Cinders, Sand		moist
0830	6.0	26 / 31	20/24		Dense		brkn. glass, metal, wood chips		4 ppm
S-4 @		18 / 29			Dense		↓		NO Recovery
0836	8.0	14 / 12	0/24		Dense		↓		NO Recovery
S-5 @		14 / 26			VERY Dense	Black	Fill mtrl. - Cinders, Sand,		Hard drilling - rig stalled. Saturated
0852	10.0	31 / 40	6/24		Very Dense		brkn. glass frags, brick frags metal, wire bottle, pebbs.		2 ppm
S-6 @		6 / 3			loose	Black	Fill mtrl. Same as		Saturated
0908	12.0	3 / 3	4/24		loose		above - a lot of Sand		NO HNU readings
S-7 @		3 / 1			loose	Black	Fill mtrl. - Same as		Saturated
0911	14.0	2 / 2	2/24		loose		above - a lot sand, brkn. glass, brick/conc.		NO HNU readings
S-8 @		4 / 6			MEDENSE	Black	Fill mtrl. - A lot Sand some silt		2 ppm
0916	16.0	8 / 11	18/24		med. Dense		brkn. brick & concrete frags, metal, glass, cinders, wood		Saturated.
S-9 @		8 / 16			med. Dense	Black	Fill mtrl. - brkn. brick		Saturated
0924	18.0	12 / 10	4/24		med. Dense		frags, cement frags, metal & glass		2 ppm
S-10 @		6 / 2			loose	Black	Fill mtrl. - brkn concrete & brick		8 ppm sheen on spoon
0935	20.0	3 / 3	12/24		loose		frags, Sand, cinders, metal	↓	Saturated
S-11 @		3 / 4		Org. Clayey silt	loose	Olive Brown	Organic clayey silt	OL	sulfur odors
0941	22.0	4 / 4	14/24		loose		trce Sand & Shells / Plant matter		moist
							- End of Boring -		

REMARKS CME 75
140 lb. automatic hammer
3" x 24" Split Spoon Sample barrels

BORING 8TB 10
PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB11
PROJECT NO.: 9594 DATE: 12-13-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK SYM. OR USCS	REMARKS
S-1 @	0.0	10/6			med. Dense	0.Brn Brn	Top Soil Silty Sand with pebbles	Sm	No Hnu readings
0804	2.0	11/13	18/24	Fill	Med Dense		& gravel and Cement chunk	Fill	Damp.
S-2 @		6/4		Fine grain Sand	loose	Brown	Silty Sand w/ & broken glass pebbles		No Hnu readings
0807	4.0	2/2	18/24		loose	Tan	Fine grain Sand w/ Silt	SP	Damp
S-3 @		12/6			Med. Dense	Tan	Fine grain Sand w/ Silt	SP	
0816	6.0	11/8	6/24		med. loose	white	Concrete Chunk		No Hnu readings
S-4 @									very hard drilling
0853	8.0		1/24				Concrete Chunk		grinding against rock Auger Refusal @ 8'
							- End of boring -		

REMARKS CME 75 140 lb. automatic hammer
3" x 24" split spoon sample barrels

BORING 8TB11

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB12
PROJECT NO.: 9594 DATE: 12-13-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0.0 / 1.0						Asphalt & crushed rock		Auger thru. it.
S-1 @		14 / 36			Very Dense	Brown	Silty Sand w/gravel	Sm	NO Htnu readings
1357	3.0	52 / 48	20/24	Silty Sand w/ pebbles	Very Dense	Dark Brn.	Silty Sand w/pebbles	Sm	Dry Horse manure odor
S-2 @		18 / 12			Dense	Brown			5 ppm
1405	5.0	26 / 32	5/24		Dense				moist
S-3 @		3 / 3			loose	Brown			moist
1414	7.0	3 / 3	4/24		loose				15 ppm Solvent odor wet
S-4 @		1 / 1		Fill	very loose	Brown	Sandy gravel with	Fill	Saturated Sulfur odor
1419	9.0	1 / 1	2/24		very loose		fill mtrl. - brkn. glass, porcelain, metal		10 ppm
S-5 @		100/6 / X	3/6		Very Dense	Black	Fill mtrl. - brkn glass,		Saturated Sheen on spoon
1429	11.0	X / X					porcelain, metal - Sand & gravel		10 ppm Sulfur odor
S-6 @ 1525	12.0	16 / 33	12/12		med. Dense	Dark Brn.			10 ppm Sheen on spoon
S-7 @						Dark Brn.			5 ppm Sheen on spoon
1531	14.0		10/24						Saturated.
	15.0						- End of Boring -		Auger Refusal @ 15'

REMARKS CME 75 140 lb. automatic hammer
3" x 24" Split Spoon sample barrel

BORING 8TB12

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 8TB13
PROJECT NO.: 9594 DATE: 12-14-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	26 / 32		Silty Sand	Very Dense	Dk brn Tan	Top soil Silty Sand w/ pebbles	SM	~~moist~~ damp
0808	2.0	39 / 41	20/24		very Dense	Dk. brn Gray	Silty Sand w/ pebbles Concrete chunk	SM	NO HNU readings
S-2 @		14 / 12		Fill	med. Dense	Dark Brn.	Clayey Sand w/ pebbles &	SC	No HNU readings
0814	4.0	16 / 20	14/24		med Dense		Some brick. cobble frags. brick, conc., wood	Fill	moist
S-3 @		18 / 16			Dense		↓	↓	NO HNU readings
0824	6.0	22 / 11	18/24	Fine to med. Grain Sand	Dense		↓	↓	moist
S-4 @		14 / 20			Dense	Brown	Fine to medium grain Sand	SP	NO HNU readings
0830	8.0	19 / 22	20/24		Dense		Trce. Silt & Some pebbles & cobbles		moist
S-5 @		12 / 32		Silty Sand	Dense	Brown	Silty Sand w/ pebbles	SM	NO HNU reading
0840	10.0	18 / 10	14/24		Dense		broken gneiss/Qrtz cobble	↓	moist
S-6 @		47 / 52			Very Dense		↓	↓	NO recovery
0849	12.0	59 / 50	0/24		Very Dense		↓	↓	NO recovery
	13.0						-End of Boring-		Auger refusal @ 13'

REMARKS CME 75 140 lb. Automatic hammer
3" x 24" Split Spoon Sample barrels

BORING 8TB13

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 8TB14
PROJECT NO.: 9594 DATE: 12-14-93 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	26 / 39		Silty Sand	Very Dense	Dk. Brn Brn.	Top Soil Silty Sand with pebbles	Sm	moist damp
1024	2.0	52 / 65	24/24		Very Dense	Black	Clayey Sand with pebbles	SC	No Hnu reading
S-2 @		100/6 X / X	0/6		Very Dense		Small piece of a	Fill	No recovery
1031	4.0	X / X					wood chunk		No recovery
S-3 @		56 / 41			Very Dense	Brown	Silty Sand with pebbles		Petroleum odor
1046	6.0	13 / 5	20/24		Dense		pcs. of wood & brick chats		moist
S-4 @		3 / 2			loose	Black	Pieces of brick chats, wood		
1050	8.0	7 / 3	8/24	Fill	loose		metal and Sand - Fill		wet
S-5 @		35 / 41			Very Dense	Black	Fill - Silty Clay w/ brkn glass		Saturated
1059	10.0	26 / 11	18/24		Very Dense	Black	Fill Sandy gravel w/ glass metal wire		
S-6 @		24 / 19			Dense	Black			Naphthalene odor
1105	12.0	30 / 27	10/24		Dense		with wire porcelain, metal		Sheen on spoon
S-7 @		16 / 28			Very Dense	Black	med to crse. grain Sand		Strong naphthalene odors
1111	14.0	52 / 60	18/24		Very Dense		w/ metal, porcelain, glass		Oily Sheen.
							- End of Boring -		Auger refusal @ 15'

REMARKS Cme 75 140 lb. automatic hammer
3" x 24" split spoon sample barrels
Hnu wasn't working properly.

BORING 8TB14
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* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 8TB15
PROJECT NO.: 9594 — DATE: 12-14-93 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Paul Davis
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	10/14		Silty Sand	Med. Dense	Brn	Top Soil Silty Sand with pebbles	SM	dry
1311	2.0	12/9	20/24		Med. Dense	reddish Brn	Silty Sand w/ fill mtrl.	SM Fill	NO Hnu readings
S-2 @		12/6			Med. Dense	Reddish Brn	Silty Sand w/ brn. glass metal, wood	Fill	Moist
1314	4.0	5/5	12/24		Med. Dense	Brn.			NO Hnu readings
S-3 @		38/42			Very Dense	Orange Brn			NO Hnu readings
1334	6.0	65/92	14/24		Very Dense				moist
S-4 @		42/25			Very Dense				gneiss/qrtz frags
1342	8.0	32/16	6/24	Fill	Dense				moist
	9.0	x/x				Brn.	Sandy gravel		Saturated - Diesel odor
S-5 @		36/24			Very Dense				Green liquid
1354	11.0	20/11	2/24		Dense				
S-6 @		42/51			Dense				Green liquid
1401	12.5	100/6"	0/18		Very Dense		Auger Refusal @ 12.5'		Diesel odor

REMARKS: CME 75 140 lb. automatic hammer
3" x 24" Split Spoon Sample barrels

BORING 8TB15

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* See Legend on Back

APPENDIX A.10

LOWER SUBASE

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 13TB2A
PROJECT NO.: 9594 DATE: 1-22-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TRF/SJC
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK GRAY	ASPHALT + CONCRETE	FILL	
								FILL	15:45
								FILL	
								FILL	
S-1	4-6	60 / 22	1.0		M. DENSE	BROWN	SILTY FINE - MEDIUM SAND TR-	SM FILL	HNU-0 16:04
		15 / 17	2.0			BROWN	SOME GRAVEL AND CONCRETE FRAGS.	FILL	MOIST XRF-1511
* S-2	6-8	14 / 12	1.0	WOOD	M. DENSE	BROWN	SILTY, SANDY, GRAVEL, WOOD PIECE	GP	HNU-1.5 16:14
		17 / 5	2.0			BROWN	3.1 SORTED SHEEN	FILL	WET XRF -
	8-10		—	VOID					Attempted to sample 8-10
			2.0						Augers dropped from 8-10
	10-12		—						Sampler dropped to 14'
			2.0						
	12-14		—						
			2.0						
S-3	14-16	1	1.2		V SOFT	GREEN GRA	CLAYEY SILT, SOME WATER	ML	HNU-0 16:26
		1	2.0			GREEN-GRAY	BIVALVES	ML	WET XRF —

REMARKS

BORING 13TB2A

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 13TB3A
PROJECT NO.: 9594 — DATE: 01-22-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans, Tim Sabo
WATER LEVEL DATA: —
(Date, Time & Conditions) —

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK OR USCS	REMARKS (OVM / XRF)
S-1 @ 1150	0.0	100/.5	0.3/0.5		V. Dense	BRN	Asphalt / Silty Sand / Gravel	GW	Top 3" Sand - F-C Gr 2ppm / Gravel Cobble max @ 2' — 1069 ppm
			1				- No Sample 1.0'-2.5' -		
	2.5	25 / 25							
★ S-2 @ 1205	4.5 / 5.0	27 / 31	2.0/2.0		V. Dense	BRN	Sand & Gravel	GW	Sand - M to CGr 0ppm / Gravel Avg ø <0.1' — 3352 ppm
S-3 @ 1216	5.5 / 6.0	100/.3					- No Sample 5.0'-5.5' - → Wood (?)		
S-4 @ 1226	8.0	23 / 3 / 4 / 2	0.5/2.0		M. Stiff	D. BRN	Wood Frags	-	Saturated w/Grease 1 ppm — 1275 ppm
S-5 @ 1230	10.0	3 / 2 / 1 / 1	0.0/2.0		Soft	Tan	Wood Frags	-	w/Grease No recovery 0 ppm — 319 ppm
S-6 @ 1239	12.0	3 / 2 / 3 / 1	0.7/2.0		Loose	D. Gray	Sand	SW	M & C Gr / Fuel odor / Oily Sheen
S-7 @ 1244	14.0	4 / 2 / 1 / 1	0.6/2.0		V. Loose				2ppm — 304 ppm
S-8 @ 1300	16.0	25 / 23 / 22 / 24	1.3/2.0		Dense		Sand w/Some Gravel	SW	Fuel odor / Oily Sheen
							- Total Depth 16.0' -		
							HSA to 14'		
							8 - 3" SS to 16'		
							Backfill w/ Grout		

REMARKS: CME 55 HSA Rig
3" x 24" SS (140# Wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 13TB3A
PAGE 1 OF 1

* See Legend on Back

★ Sample (13TB3A - 2.5 4.5) Sent to laboratory

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB4A
PROJECT NO.: 9594 — DATE: 1-22-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: JRF / SJC
WATER LEVEL DATA:
(Date, Time & Conditions) 1-22-94 15°-20°

13:00

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	0-2	26 / 25	1.5		Dense	Black Brown	Silty, Fine - Medium Sand	SM/GM	HNU - 0 13:00
		17 / 13	2.0			Brown	Tr - Some F-M Gravel	SM/GM	DRY XRF 4384
S-2	2-4	13 / 11	1.1		M. Dense	Brown	Tr Brick	Fill	HNU - 0 13:05
		15 / 9	2.0			Brown		SM/GM	MOIST XRF - 706
S-3	4-6	16 / 8	1.2		M Dense	Brown - Black	As Above	Fill	HNU - 0 13:11
		5 / 11	2.0			Brown - Black		Fill	MOIST - Wet XRF —
S-4	6-8	1 / 2	.8		Loose	Brown		Fill	HNU - 0 13:21
		6 / 13	2.0			Brown		SM/GM	WET XRF 1730
S-5	8-10	10 / 10	.5		M. Dense	Brown		Fill	HNU - 0 13:28
		9 / 7	2.0			Brown		SM/GM	WET XRF —
S-6	10-12	9 / 8	1.1		M. Dense	Brown		Fill	HNU - 0 13:31
		6 / 4	2.0			Brown		SM/GM	WET XRF 1194
S-7	12-14	23 / 13			M. Dense	Brown	Medium - Coarse Sand Tr -	SP	HNU - 0 13:40
		9 / 6	2.0			Brown	Some F-M Gravel	SP	WET XRF —
S-8	14-16	4 / 6			M. Dense	Brown	↓ ↓	SP	HNU - 0 13:46
		6 / 9	2.0			Brown		SP	WET XRF —
							Bottom of Boring: 16.0'		

REMARKS CME 75 3" ϕ SPLIT BARREL SAMPLER DRILLER: Swatek

BORING 13TB4A

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 13TB5A
PROJECT NO.: 9594 — DATE: 01-22-94 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: Tim Evans — Tim Sabo
WATER LEVEL DATA: —
(Date, Time & Conditions) —

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM	XRF
	0.0 1.0						Asphalt Concrete		TOP 2" 6"	
	1.5	11								
* S-1 @		11 12	0.8/12.0		M. Dense	TAN	SAND & Gravel	GW	Dry Sand - F to C Gr 0 ppm	102 ppm
1520	3.5	13 12								
S-2 @		14 11	0.6/2.0						0 ppm	222 ppm
1523	5.5	13 13								
S-3 @		14 13	0.4/2.0		M. Dense	L. BRN	SILTY SAND & GRAVEL	GW	MOIST 0 ppm	98 ppm
1554	7.5	13 8								
S-4 @		10 10	0.5/2.0						WET 0 ppm	383 ppm
1539	9.5	8 4								
S-5 @		1 1	0.4/2.0		V LOOSE	Gray BRN	SILTY SAND w/ some gravel, wood frags roots	SW	0 ppm	35
1546	11.5	4 8								
S-6 @		10 8	0.6/2.0		M. Dense	Gray to Pink	SAND & GRAVEL	SW	SAND - C to V.C. Gr 0 ppm	364 ppm
1551	13.5	9 21							Gravel Pebbles	
S-7 @		55 42	2.0/2.0		V. Dense	BRN	SAND	SW	C to V.C Gr	
1600	15.5	9								
							- Total Depth 15.5' -			
							HSA to 13.5'			
							7 - 3" SS to 15.5'			
							Backfill w/ Grout			

REMARKS CME 55 HSA Rig
3" x 24" SS (140# WH, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 13TB5A
PAGE 1 OF 1

* See Legend on Back

* Sample (13TB5A - 1.5 2.5) Sent to laboratory

000004

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB6
PROJECT NO.: 9594 — DATE: 1-23-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J R FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-23-94 - 15°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						Black Gray	Asphalt 0-.5 Concrete		
							.5-1.5'		
S-1	3-5	0 7	.5		LOOSE	Brown	Sand fine to Medium Grained	Fill	HNU 1 14:03
		2 2	2.0			Brown	Fine Grained	Fill	MOIST XRF —
S-2	5-7	7 4	1.3		LOOSE	Brown-Silt	Medium Fine Grained	Fill	HNU 14:17
		3 3	2.0	WOOD		Brown-Fine	F-C Sand, oil covered	Fill	WET XRF —
S-3	7-9	55 100/3	.5	WOOD		Brown	Fine (F) coarse gravel	Fill	HNU 14:21
			.75			Brn	and wood Coal, green	Fill	wet XRF
S-4	9-11	9 9	.4		LOOSE	[illegible]		Fill	HNU 14:31
			2.0			[illegible]		Fill	WET XRF
S-5	11-13	0 0	.7		V. LOOSE	Gray	MEDIUM - COARSE Sand	SP	HNU 14:38
		2 2	2.0			Gray		SP	WET XRF
S-6	13-15	2 2	—		V. LOOSE	—	NO RECOVERY	—	HNU — 15:02
			2.0			—		—	— XRF —
S-7	15-17	17 6			LOOSE	Gray	Medium to Coarse Quartzose	SP	HNU 15:15
		4 4	2.0			Gray	Sand.	SP	WET XRF
S-8	17-19	7 6	.3		STIFF	Green Gray	Microfous Clayey Silt	ml	HNU 15:20
		3 3	2.0			Green-Gray	trace fine sand	ml	MOIST XRF
							BOTTOM OF BORING = 19.0'		

REMARKS Rig CME 75 DRILLER Gross

BORING 13TB6

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* See Legend on Back

000005

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB7
PROJECT NO.: 9594 — DATE: 01-22-94 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: Tim Evans — Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM	VRF
	0.0						Asphalt / Concrete		Top 2"/4"	
	1.0									
★ S-1 @		11 / 13	1.3/2.0		M. Dense	D. BRN TO	SILTY SAND & GRAVEL	GW	Dry F to C Gr FILL 0 ppm	-214 ppm
1407	3.0	15 / 12				TAN			Gravel max ø 0.2'	
S-2 @		11 / 15			M. Dense	TAN			Dry M to C Gr 0 ppm	-285 ppm
1412	5.0	15 / 17		FILL					Gravel Avg ø 0.1" Moist	
S-3 @		15 / 11	1.8/2.0		M. Dense	BRN				-337 ppm
1419	7.0	11 / 4								
S-4 @		3 / 4	0.4/2.0		Loose				Wet w/Grease 0 ppm	-432 ppm
1422	9.0	4 / 3								
S-5 @		1 / 1	1.8/2.0		V. Loose	GRAY BRN	SANDY SILT w/TR Gravel	SM	Mica Flakes 0 ppm	-420 ppm
1430	11.0	2 / 1								
S-6 @		6 / 6	2.0/2.0		M. Dense	Gray BRN	SILTY SAND w/TR Gravel	GW	Mica	
1435	13.0	7 / 8							Gravel Avg ø 0.1' Gravel M to C Gr	
S-7 @		7 / 3	0.8/2.0		V. Loose	Gray BRN	SILTY SAND w/ Tr Mica	SP	Sand F Gr	
1452	15.0	1 / 1								
							- Total Depth 15' -			
							HSA to 13'			
							7-3" SS to 15			
							Backfill w/ Grout			

REMARKS CME 55 HSA Rig
3" x 24" SS (140# wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 13TB7
PAGE 1 OF 1

* See Legend on Back

★ Sample (13TB7-0103) sent to laboratory

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TBB
PROJECT NO.: 9594 — DATE: 1-24-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-24-94 - 13:40 - 38°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							Asphalt		
S-1	1-3	10 / 50	1.0		V. Dense	Gray	Concrete, Silty Fine to Coarse	Fill	HNU 0 13:45
		20 / 20	2.0			Brown	Sand Some med. Gravel	Fill	MOIST XRF —
S-2	3-5	9 / 13	1.1		M. Dense	Gray	Silty, Fine-Medium Sand Some	Fill	HNU 0 13:57
		11 / 11	2.0			Gray	fine-medium gravel	Fill	MOIST XRF —
S-3	5-7	5 / 7	1.2		M. Dense	Brown	Medium-Coarse Sand Tr-	Fill	HNU 0 14:18
		6 / 6	2.0			Brown	Some Rounded (fr-M) gravel	SP	MOIST XRF —
S-4	7-9	16 / 10	1.3		M. Dense	Brown		SP	HNU 0 14:26
		10 / 18	2.0			Brown		SP	MOIST XRF —
S-5	9-11	23 / 9	1.25 ▽		M. Dense	Brown		SP	HNU 0 14:30
		5 / 4	2.0			Brown		SP	WET XRF —
S-6	11-13	4 / 5	.95		M. Dense	Brown		SP	HNU 0 14:38
		9 / 8	2.0			Brown		SP	WET XRF —
S-7	13-15	31 / 17	1.3		M. Dense	Brown	Medium-Coarse Sand and	SP/GP	HNU 0 14:44
		10 / 11	2.0			Brown	Fine to Medium Gravel	SP/GP	WET XRF —
	15-17								
S-8	19-21	28 / 23	.95		Dense	Brown		SP/GP	HNU 0 15:00
		21 / 19	2.0			Brown		SP/GP	WET XRF —
							Bottom of Boring = 21.0'		

REMARKS: P.C: CME 75 Driller: Floyd Cross

BORING 13TBB

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* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB9
PROJECT NO.: 9594 — DATE: 1-24-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J R. Ferguson
WATER LEVEL DATA:
(Date, Time & Conditions) 1-24-94 10:50 40°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-3	10 / 11	1.1		M. Dense	Brown	Silty F-C Sand Tr-Some Fine	Fill	HNU - 0 11:01
		8 / 14	2.0			Brown	gravel + rock fragments	Fill	MOIST-Frozen XRF —
S-2	3-5	9 / 13	1.5		M. Dense	Brown		Fill	HNU 0 11:07
		10 / 10	2.0			Brown		Fill	moist XRF —
S-3	5-7	6 / 7	1.1		M. Dense	Brown	Silty Fine-coarse sand some	Fill	HNU 0 11:15
		9 / 11	2.0			Brown	f-m gravel	Fill	moist XRF —
S-4	7-9	9 / 8	1.5		M. Dense	Brown	Fine to medium sand, clean	SP	HNU 0 11:23
		6 / 9	2.0			Brown	sugary texture (Fill)	SP	moist XRF —
S-5	9-11	2 / 5	1.4		M. Dense	Brown		SP	HNU 0 11:28
		7 / 9	2.0			Brown		SP	moist XRF —
S-6	11-13	5 / 7	1.3		M. Dense	Brown		SP	HNU 0 11:36
		8 / 6	2.0			Brown		SP	WET XRF —
S-7	13-15	6 / 7	1.5		M. Dense	Brown	Silty Fine - Coarse Sand	SP	HNU 0 11:42
		9 / 13	2.0			Brown	Tr-Some med gravel	SP	wet XRF —
	15-17								
S-8	17-19	3 / 6	1.5		M. Dense	Brown	Silty Fine - Coarse Sand Trace	SP	HNU 11:54
		7 / 8	2.0			Brown	to some medium gravel	SP	WET XRF
	19-21								
S-9	21-23	24 / 24	—		Dense	—	No RECOVERY	—	HNU 12:06
		13 / 15	2.0			—		—	WET XRF
							Bottom of Borehole = 23.0'		

REMARKS Rig: CME 75 DRILLER Cross

BORING 13TB9

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* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 13TB 12 10 ~~19~~

PROJECT NO.: 9594 DATE: 1-31-94 DRILLER: EAST COAST THOMAS

ELEVATION: FIELD GEOLOGIST: J. R. Ferguson

WATER LEVEL DATA :

(Date, Time & Conditions) 1445 Partly Sunny 45°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-3	2 / 25	.80		V Dense	GRAY	Silty Sandy Gravel	Fill	HNU 0 15.5'
		67 / 25	2.0			GRAY	Gravelly Sand + Concrete Fill	Fill	XRF
							Terminated Boring since we encountered an electric feed line to pier.		

REMARKS Driller: Floyd Cross Rig: CME 75 3" ⌀ Split Barrel Sampler

BORING 13TB 12 10 ~~19~~

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* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB11
PROJECT NO.: 9594 — DATE: 1-24-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J R Ferguson
WATER LEVEL DATA:
(Date, Time & Conditions) 1-24-94 08:00 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							[illegible]		
S-1	2-4	60 / 80	1.0		[illegible]	Brown-[illegible]	Topsoil [illegible]	[illegible]	HNU 0 08:38
		15 / 10	2.0			[illegible]	[illegible] Fine-Coarse Sand	[illegible]	[illegible] —
S-2	4-6	[illegible]	[illegible]		M. Dense	Brown	Sand (f-c) medium Gravel	[illegible]	HNU 0 08:42
		1 / 1	2.0			Brown	Rounded [illegible]	[illegible]	[illegible] XRF —
S-3	6-8	5 / 8	[illegible]		M. Dense	Brown	↓	Fill	HNU 0 08:50
		[illegible] / 10	2.0			Black-Brown	↓	Fill	WET XRF —
S-4	8-10	5 / 7	.8		M. Dense	Black	[illegible] Sand [illegible]	Fill	HNU 0 09:00
		8 / [illegible]	2.0			Black	Gravelly silty sand (oil stain)	Fill	WET XRF —
S-5	10-12	5 / 5	.5		Loose	Black-Brown	↓	SW/GW	HNU 0 09:14
		5 / 5	2.0			Black-Brown	↓	SW/GW	WET XRF —
S-6	12-14	14 / 19	[illegible]		M. Dense	Black-Brown	Silty Gravelly (f) fine to	SW	HNU 0 09:22
		5 / 5	2.0			Black-Brown	coarse sand	SW	WET XRF —
S-7	14-16	3 / [illegible]	1.0		V Loose	Green-Gray	Sand (f) organic silt, trace	ml	HNU 0 09:27
		1 / 1	2.0			Green-Gray	[illegible]	ml	WET XRF —
							Bottom of Boring = 16.0		

REMARKS Eq. [illegible] P. [illegible] 75 Driller Ernie Lodge 3" ø split barrel Samples

BORING 13TB11

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* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 13TB12
PROJECT NO.: 9594
DATE: 1-22-95
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: JRF/SJC
WATER LEVEL DATA:
(Date, Time & Conditions) 1-22-95, 09:00 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	0-2	– –	–			BLACK	ASPHALT 0.5 - .5'		
		– –	–			GRAY	Concrete .5 - 1.5'		
S-1	2-4	14 8	.7		M. DENSE	BROWN	SILTY, Medium-Coarse Sand Tr-	SM	HNU-0 09:32
		6 9	2.0			BROWN	Some concrete frags.	SM	DRY-MOIST 226 - XRF
S-2	4-6	5 5	1.1 ▽		LOOSE	BROWN	MEDIUM-COARSE Sand and	SP/GP	HNU-0 09:45
		5 7	2.0			BROWN	Sandy F-M GRAVEL	SP/GP	WET 347 - XRF
S-3	6-8	17 26	1.0	WOOD	M. DENSE	BROWN	Wood 6.5-7.0'	SP/GP	HNU-0 09:49
		4 4	2.0			BROWN			WET – XRF
S-4	8-10	WO R	–		V. LOOSE	—	NO RECOVERY		HNU-- 10:19
		WO R	2.0			—			WET – XRF
S-5	10-12	3 2	1.0		V. LOOSE	BROWN	MEDIUM-COARSE SAND	SP	HNU-0 10:22
		1 1	2.0			BROWN		SP	WET – XRF
S-6	12-14	1 2	.7		V. LOOSE	GRAY		SP	HNU-0 10:30
		1 1	2.0			GRAY		SP	WET – XRF
S-7	14-16	3 2	.8		V. LOOSE	GRAY		SP	HNU-0 10:36
		1 1	2.0			GRAY		SP	WET – XRF
							BOTTOM OF BORING: 16.0'		

REMARKS Rig - CME 75 3" Ø SPLIT BARREL SAMPLES Noted upper 6' of borehole washed out Ø of borehole ± 3' To ± 6' depth.
DRILLER: Swiatek

BORING 13TB12
PAGE 1 OF 1

* See Legend on Back

000u11

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 13TB13
PROJECT NO.: 9594 DATE: 1-26-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R Ferguson
WATER LEVEL DATA :
(Date, Time & Conditions) 1-26-94 20° SNOW

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, FL)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							Asphalt 0-.5'		
S-1	1-3	35 / 25	1.3		DENSE	BROWN	SILTY, SANDY (M-C) GRAVEL	FILL	HNU-0 08:38
		15 / 10	2.0			BROWN	(COARSE)	FILL	MOIST XRF
S-2	3-5	13 / 17	1.2		M. DENSE	BROWN	SILTY GRAVELLY SAND, some	FILL	HNU-0 8:42
		16 / 16	2.0			BROWN	gravel	FILL	MOIST XRF
S-3	5-7	16 / 17	.95		M. DENSE	BROWN	SILTY GRAVELLY Fine to Coarse	FILL	HNU-0 8:50
	—	11 / 11	2.0			BROWN	Sand and SANDY COARSE GRAVEL	FILL	MOIST XRF
S-4	7-9	45 / 15	.3		DENSE	BROWN		FILL	HNU-0 8:57
▽		16 / 13	2.0			BROWN	(SLIGHT DIESEL FUEL ODOR)	FILL	MOIST XRF
* S-5	9-11	13 / 12	1.2		M. DENSE	BROWN	SILTY Sandy Fine-MEDIUM	SP/GP	HNU-3 9:04
		11 / 11	2.0			BROWN	Gravel and GRAVELLY SILTY COARSE SAND	SP/GP	WET Diesel fuel odor XRF
S-6	11-13	9 / 17	1.2		DENSE	BROWN		SP/GP	HNU-1 09:12
		31 / 17	2.0			BROWN		SP/GP	WET XRF
S-7	13-15	15 / 10	1.3		M DENSE	BROWN		SP/GP	HNU-0 09:22
		13 / 11	2.0			BROWN		SP/GP	WET XRF
							BOTTOM OF BORING = 15.0'		

REMARKS R.G. CME 75 DRILLER: Floyd Cross

BORING 13TB13

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 13TB15 (13MW21)
PROJECT NO.: 9594
DATE: 1-25-94
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-25-94

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
						BLACK	ASPHALT 0-.35, CONCRETE		
							.75-1.25 GRAVEL 1.25-2.0		
S-1	S-5	8 15	1.2		DENSE	GRAY	Coarse Fragments	FILL	HNU 0 13:24
		27 35	2.0			BROWN	SILTY, GRAVELLY M-C SAND	FILL	moist XRF
S-2	5-7	10 8	.65		M. DENSE	GRAY	POOR RECOVERY - Granular	FILL	HNU 0 13:32
▽		5 5	▽ 2.0			GRAY	Boulder in Sampler	FILL	moist XRF
S-3	7-9	7 8	1.0		M DENSE	BROWN-GRAY	SILTY Sandy COARSE GRAVEL	FILL	HNU 4.0 13:42
		10 14	2.0			BROWN-GRAY	oily - Diesel fuel odor	FILL	WET XRF
S-4	9-11	17 15	1.5		M. DENSE	BROWN-GRAY	SILTY Sandy Medium-Coarse	FILL	HNU 2.0 13:50
		10 22	2.0			BROWN-GRAY	Gravel	FILL	wet XRF
S-5	11-13	15 18	1.4		DENSE	BROWN-GRAY		FILL	HNU 0 14:02
		21 25	2.0			BROWN-GRAY		FILL	wet XRF
S-6	13-15	[illegible] 17	1.3		DENSE	GRAY	SILTY GRAVELLY MEDIUM-	SM/GW	HNU 0 14:20
		19 24	2.0			GRAY	Coarse Sand	SM/GW	wet XRF
S-7	[illegible]	[illegible]	[illegible]		V. DENSE	GRAY		SM/GW	HNU 0 14:40
		[illegible]	2.0			GRAY		SM/GW	wet XRF
S-8	23-25	14 25	1.0		V. DENSE	GRAY		SM/GW	HNU 0 14:55
		32 25	2.0			GRAY		SM/GW	wet
S-9	25-27	15 16			V. DENSE	GRAY		SM/GW	HNU 15:15
		21 [illegible]	2.0			GRAY		SM/GW	wet

Bottom of BORING: 30.0'

REMARKS: RIG: CME 75 DRILLER: FLOYD CROSS
Installed MONITORING WELL SCREEN from 5'-15', Sand from 4'-17'

BORING 13TB15

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* See Legend on Back

BORING NO ETB 15
13MW21

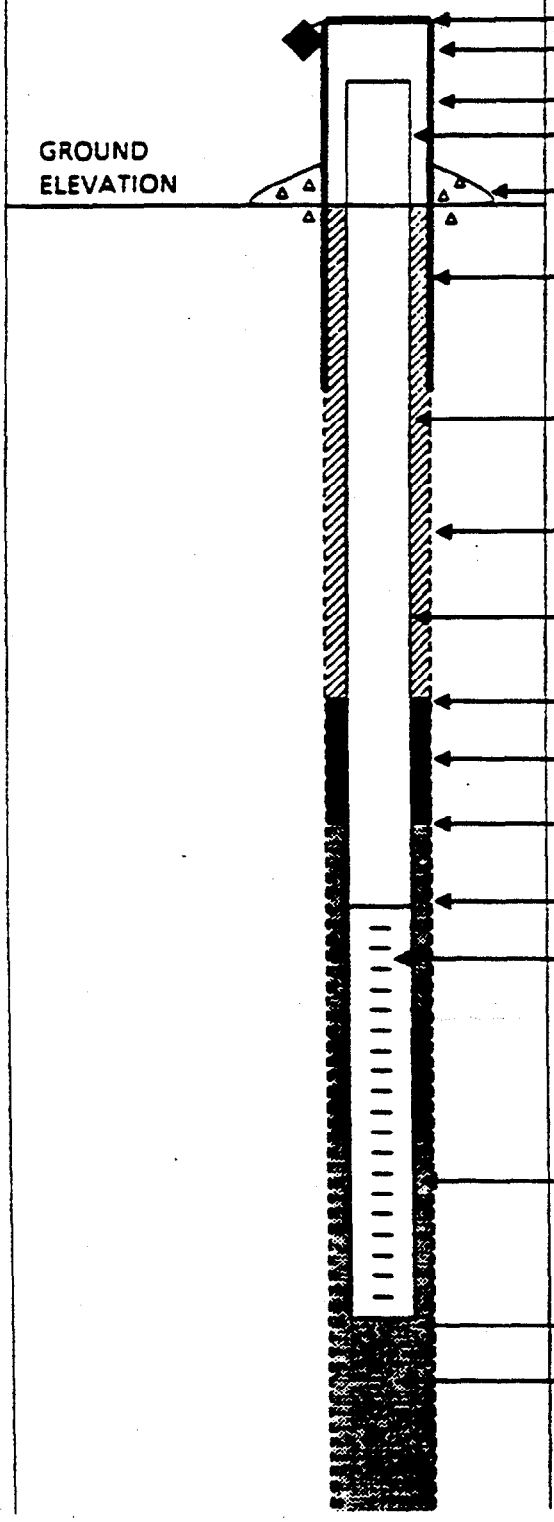
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J R Ferguson

LOCATION Site 13 Lower Base
BORING 13TB15 13MW21
DATE 1-25-94

DRILLER F. Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: Flush Mount
STICK - UP RISER PIPE : -0.5'
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8 1/2"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 2.5'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 4.0
ELEVATION / DEPTH TOP OF SCREEN: 5.0
TYPE OF SCREEN: Schedule 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 15.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 17.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000014

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 13TB16 (13MW19)
PROJECT NO.: 9594 DATE: 1-24-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J.R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-24-94 16:30 35°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
				ASPHALT			ASPHALT - CONCRETE	FILL	
							Limestone GRAVEL Subbase	FILL	
S-1	2-4	12 9	1.25		M. Dense	BROWN	SILTY Fine to MEDIUM Sand,	FILL	HNU 0 16:00
		6 8	2.0			BROWN	TR- Some Round (m) GRAVEL	FILL/SM	MOIST XRF
S-2	4-6	9 7	1.4		M. Dense	BROWN		SM	HNU 0 16:06
		5 7	2.0			BROWN		FILL/SM	MOIST XRF
S-3	6-8	14 72	.45		V. Dense	BROWN		FILL/SM	HNU 0 16:15
		19 16	2.0			BROWN		FILL/SM	moist XRF
S-4	8-10	2 34	1.3 ▽	WOOD	Dense	BLACK	SILTY Sandy Gravel, wood	FILL	HNU-10 16:29
		15 9	2.0			BLACK	diesel fuel in sample	FILL	Diesel fuel odor wet XRF
S-5	10-12	6 6	.95		M. Dense	BLACK	SILTY SAND: MEDIUM Gravel	FILL	HNU-3 16:36
		6 6	2.0			BLACK	diesel fuel odor	FILL/GP	wet XRF
S-6	12-14	9 10	.5		M. Dense	BLACK		FILL?	HNU-3 16:44
		17 4	2.0			BLACK		GP	WET XRF
S-7	14-16	20 30			V. Dense	BLACK		GP	HNU-5 16:50
		22 10	2.0			BLACK		GP	WET XRF
							BOTTOM OF BORING = 16.0'		

REMARKS RIG: CME 75 DRILLER FLOYD CLOSS
INSTALLED MONITORING WELL SCREEN FROM 5'-15' SANDPACK
FROM 4' TO 18' BENTONITE 2.5' TO 4'

BORING 13TB16
PAGE 1 OF 1

* See Legend on Back

BORING NO 13TB16
13MW19

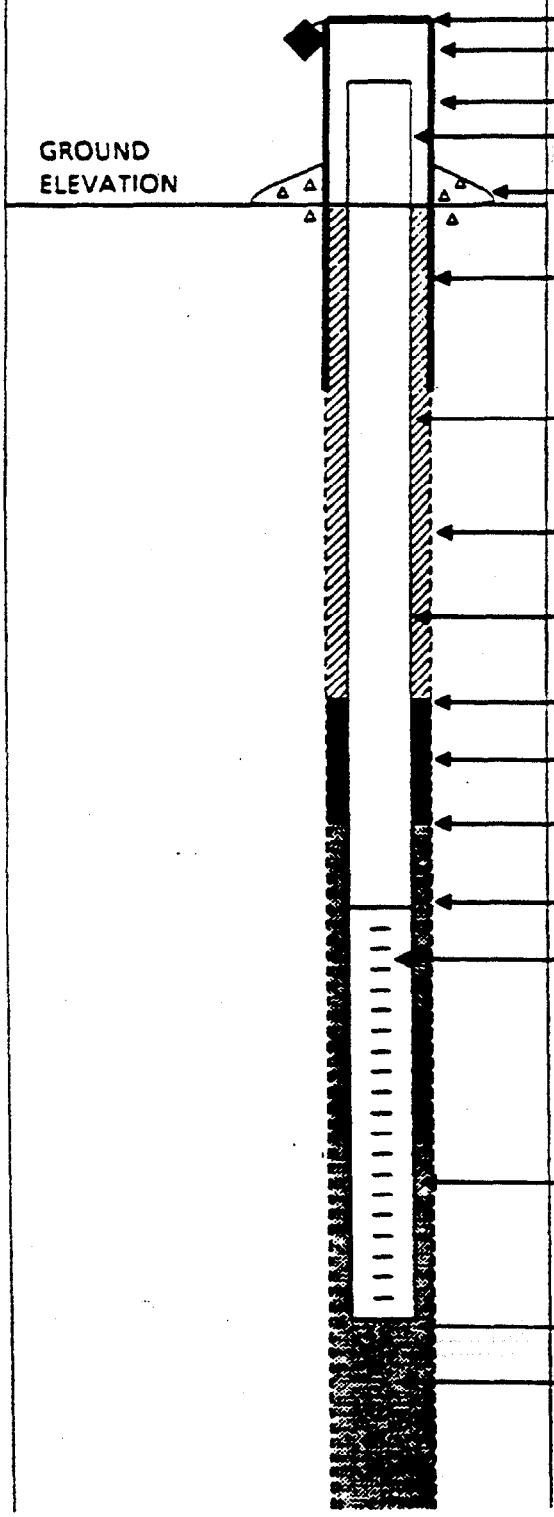
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J R Ferguson

LOCATION Site 13 Lower Base
BORING 13TB16 – 13MW19
DATE 1-25-94

DRILLER F. Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: Flush Mount
STICK - UP RISER PIPE : -0.5'
TYPE OF SURFACE SEAL: Portland cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
0.0 - 2.0'
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Schedule 40 PVC
BOREHOLE DIAMETER: 8 1/2
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 2.5'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 4.0
ELEVATION / DEPTH TOP OF SCREEN: 5.0
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2" Ø
TYPE OF SAND PACK: #2 Silica
ELEVATION / DEPTH BOTTOM OF SCREEN: 15.0'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 16.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

000u16

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON
BORING NO.: 13TB19 (13MW20)
PROJECT NO.: 9594
DATE: 1-25-93
DRILLER: EAST COAST THOMAS
ELEVATION:
FIELD GEOLOGIST: J.R FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-25-93 09:20 32°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							ASPHALT, Concrete fragments	FILL	
							COARSE Rock fragments	FILL	
S-1	2-4	17 / 9			M. Dense	BROWN-BLACK	SILTY SANDY MEDIUM-COARSE	FILL	HNU 0 09:41
		12 / 10	2.0			BROWN-BLACK	GRAVEL	FILL	moist XRF
S-2	4-6	34 / 21	1.0		M. Dense	BROWN	SILTY, Fine to Medium Sand	FILL	HNU 0 09:47
		8 / 11	2.0			BROWN	Tr-Some medium gravel	FILL	moist XRF
S3	6-8	9 / 18	1.5		Dense	BLACK-BROWN		FILL	HNU 3 09:56
		22 / 14	2.0			BLACK-BROWN	OILY SHEEN Diesel Fuel ODOR	FILL	wet XRF
S-4	8-10	10 / 16	1.6		Dense	GRAY-BLACK	MEDIUM - COARSE Sand, Trace	FILL	HNU 1 10:02
		17 / 14	2.0			GRAY-BLACK	to some MEDIUM GRAVEL (Diesel	FILL	WET XRF
S-5	10-12	16 / 22	1.45		Dense	GRAY-BLACK	Fuel odor	FILL	HNU 0 10:10
		20 / 16	2.0			GRAY-BLACK		FILL	WET XRF
S-6	12-14	12 / 20	1.3		Dense	GRAY-BLACK		FILL	HNU 0 10:17
		20 / 30	2.0			GRAY-BLACK		FILL	WET XRF
S-7	14-16	19 / 20	1.4		Dense	GRAY-BLACK		FILL	HNU 0 10:25
		14 / 13	2.0			GRAY-BLACK		FILL	WET XRF
							Bottom of Boring: 16.0		
							INSTALLED MONITORING WELL		
							13MW 20 SCREEN from 3'-13'		
							Sand from 2.5'-16'		

REMARKS Air: IME 75 Driller CROSS 10.50 STATIC 5.9' from C.S
INSTALLED WELL SCREEN 3'-13' Sand 2'-16' 3" Ø SCHT
BARREL SAMPLES

BORING 13TB19
PAGE 1 OF 1

* See Legend on Back

BORING NO 13TB~~17~~ 13MW20

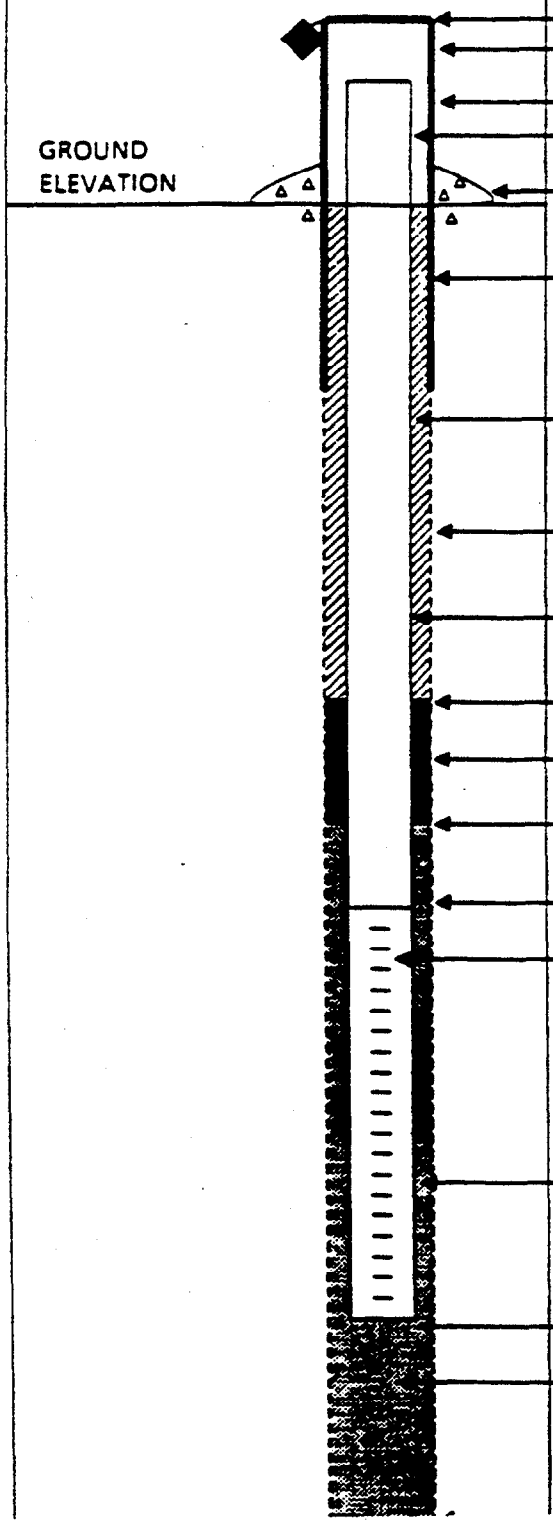
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 13 Lower Base
BORING 13TB~~17~~ 13MW20
DATE 1-25-94

DRILLER F. Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING: Flush Mount
STICK - UP RISER PIPE : -0.5'
TYPE OF SURFACE SEAL: Portland Cement
I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: Steel
0.0 - 2.0'
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 8½"
TYPE OF BACKFILL: NA
ELEVATION / DEPTH TOP OF SEAL: 1.5'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 2.5'
ELEVATION / DEPTH TOP OF SCREEN: 3.0'
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: #2 Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 13.0
ELEVATION / DEPTH BOTTOM OF SAND PACK: 16.0
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 13MW18
PROJECT NO.: 9594 — DATE: 1-24-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J.P. Ferguson / S. Conti
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1	1-2	27 / 100/.2	.8		V. Dense	Brown	MEDIUM-COARSE SAND	Fill	HNU 10:21
			.8			Brown	some medium gravel	SW/GW	moist XRF
S-2	3-5	23 / 10	1.4		M. Dense	Black-Brown	MEDIUM-Coarse Sand Some	Fill	HNU 10:27
		7 / 6	2.0			Black-Brown	medium gravel tr-flyash	SW/GW	moist XRF
S-3	5-7	11 / 8	1.5		M. Dense	Brown	MEDIUM-Coarse Sand	Fill	HNU 10:32
		7 / 10	2.0			Brown		SP	moist XRF
S-4	7-9	6 / 7	1.4		M. Dense	Brown		Fill	HNU 10:39
▽		9 / 8	2.0	▽		Brown	SLIGHT PETROLEUM ODOR	SP	moist-wet XRF
* S-5	9-11	2 / 3	1.5		Loose	Brown		Fill	HNU 10:42
		4 / 7	2.0			Brown	(Diesel/fuel oil present in sample)	SP	WET XRF
S-6	11-13	13 / 12	1.3		M. Dense	Gray	MEDIUM-COARSE SAND, Some	SW/GW	HNU 10:51
		16 / 15	2.0			Gray	medium-coarse GRAVEL	SW/GW	WET XRF
S-7	13-15	9 / 11	1.2		M. Dense	Gray	↓	SW/GW	HNU 11:00
		14 / 19	2.0			Gray	↓	SW/GW	WET XRF
							BOTTOM OF BORING = 15.0'		
							INSTALLED WELL - Screen		
							INTERVAL 5'-15' Sandpack		
							4'-15' Bentonite 2'-4'		

REMARKS Rig CME 75 Driller Floyd Cross

BORING 13MW18

PAGE 1 OF 1

* See Legend on Back

000u19

BORING NO 13MW18

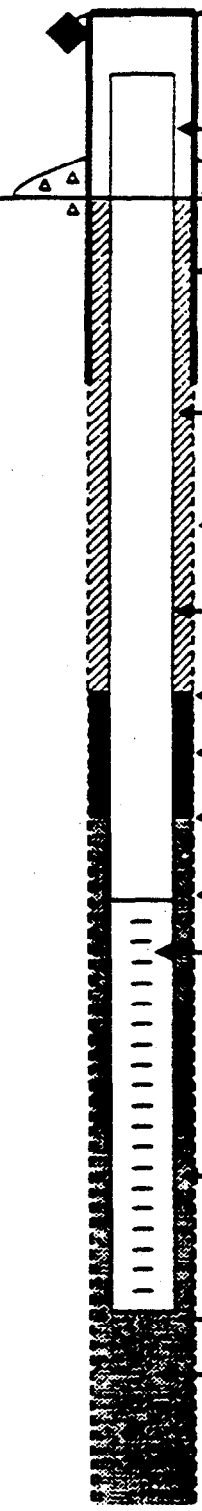
Halliburton NUS CORPORATION

OVERBURDEN MONITORING WELL SHEET

PROJECT NSB New London
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION Site 13 Lower Base
BORING 13MW18
DATE 1-26-94

DRILLER I Cross
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD Surge / Pump



ELEVATION OF TOP OF SURFACE CASING : NA
ELEVATION OF TOP OF RISER PIPE: NA

STICK - UP TOP OF SURFACE CASING: Flush
STICK - UP RISER PIPE : -0.5

TYPE OF SURFACE SEAL: Portland Cement

I.D. OF SURFACE CASING: 6"
TYPE OF SURFACE CASING: STEEL
O.D - 2.0

RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 8½"

TYPE OF BACKFILL: NA

ELEVATION / DEPTH TOP OF SEAL: 2.0

TYPE OF SEAL: Bentonite Pellet

DEPTH TOP OF SAND PACK: 4.0

ELEVATION / DEPTH TOP OF SCREEN: 5.0

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE x LENGTH: .010 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: #2 Silica Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 15.0

ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.0'
TYPE OF BACKFILL BELOW OBSERVATION WELL: #2 Silica Sand

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13TB18
PROJECT NO.: 9594 — DATE: 2-1-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J R FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 2-1-94 CLEAR 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							ASPHALT AND CONCRETE		
S-1	1-3	3 2	1.0		LOOSE	BROWN	GRAVELLY MEDIUM-COARSE SAND	FILL	HNU - 0 11:08
		3 4	2.0			BROWN	AND SANDY MEDIUM GRAVEL	FILL	MOIST XRF
S-2	3-5	4 4	1.1		LOOSE	BROWN		FILL	HNU - 0 11:15
		4 6	2.0			BROWN		FILL	MOIST XRF
S-3	5-7	13 11	.95		M. DENSE	BROWN		FILL	HNU - 0 11:19
		9 7	▽ 2.0			BROWN		FILL	MOIST-WET XRF
S-4	7-9	11 7	.8	WOOD	M. DENSE	BROWN	COARSE SAND AND FINE	FILL	HNU - 0 11:26
		4 2	2.0			BROWN	GRAVEL ABOUT PIECE	FILL	WET XRF
—	9-11		—	VOID			AUGERS DROP WITHOUT ANY	VOID	HNU -
			2.0				FEED PRESSURE SAMPLING RODS	VOID	XRF
—	11-13		—				DROP TO ± 12-13'	VOID	HNU -
			2.0						XRF
S-5	13-15	8 5	.5		LOOSE	GREENISH GRAY	SANDY (VF-F) SILT	ml	HNU - 0 11:45
		4 3	2.0			GREENISH GRAY			XRF
							BOTTOM OF BORING 15.0'		

REMARKS DRILLER FLOYD CROSS RIG: CME 75

BORING 13TB18

PAGE 1 OF 1

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 13TB19
PROJECT NO.: 9594 DATE: 2-1-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA :
(Date, Time & Conditions) 2-1-94 OVERCAST 20°

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
							ASPHALT + CONCRETE		
S-1	1-3	13 22 100%	.75		V. DENSE	GRAY-BROWN	CONCRETE FRAGMENTS AND	FILL	HNU - 0 12:51
			1.25			BROWN	COARSE SAND, TRACE M. GRAVEL	FILL	VEF
							TERMINATED BORING - 3.0'		
							HIT ANOTHER ELECTRIC		
							UTILITY SUPPLYING POWER TO		
							PIER SEE LOGBOOK 2220		
							ABANDONED LOCATION		

REMARKS DRILLER FLOYD CROSS RIG: CME 75

BORING 13TB19

PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 13 WE 4A
PROJECT NO.: 9594 — DATE: 1-23-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: J. R. FERGUSON
WATER LEVEL DATA:
(Date, Time & Conditions) 1-23-94 09:00 - 15°

SAMPLE NO. & TYPE OR RQD	DEPTH (FL) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/FL)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK SYM. OR USCS	REMARKS
S-1	0-2	36 / 33	1.2		V. Dense	Black-Brown	Gravelly Silty Fine to Coarse	Fill	HNU-1 09:10
		42 / 18	2.0			Black-Brown	Sand, Tr Brick + Flyash.	Fill	DRY XRF —
S-2	2-4	11 / 11	1.2		M. Dense	Brown	Silt, Fine to med sand	Fill	HNU-0 09:18
		8 / 8	2.0			Brown	Sand to brick + flyash	Fill	MOIST XRF —
S-3	4-6	4 / 8	1.2		M Dense	Brown		Fill	HNU-0 09:26
		7 / 5	2.0			Brown		Fill	MOIST-WET XRF —
S-4	6-8	6 / 11	1.1		M Dense	Brown D. Brown	Silty Fine - Coarse Sand	SM	HNU-0 09:35
		8 / 16	2.0			Gray	Tr. Shell Fragment micaceous	SM	WET XRF —
S-5	8-10	3 / 2	1.5		Loose	Green-Gray	Micaceous Clayey Silt, Tr.	ml	HNU-0 09:39
		5 / 3	2.0			Green-Gray	Bivalve + gastropod frags	ml	moist XRF —
S-6	10-12	2 / 2	1.5		V. Loose	Green Gray		ml	HNU-0 09:49
		2 / 1	2.0			Green Gray		ml	moist XRF —
S-7	12-14	4 / 5	1.3		Stiff	Green-Gray		ml	HNU-0 09:53
		7 / 9	2.0			Green-Gray		ml	Moist XRF —
S-8	14-16	3 / 2	2.0		V. Loose	Green-Gray	Micaceous Clayey Silt, trace	ml	HNU-0 10:10
		2 / 1	2.0			Green-Gray	fine sand and fine gravel	ml	moist XRF —
							Bottom of Boring: 16.0		

REMARKS: Rig: CME 75 Driller Floyd Cross

BORING 13 WE 4A

PAGE 1 OF 1

* See Legend on Back

APPENDIX A.11

SITE 14 - OBDANE

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 14MW1S
PROJECT NO.: 9594 — DATE: 2-28-94 — DRILLER: EAST COAST THOMAS/ Tim Sabo
ELEVATION: — FIELD GEOLOGIST: Tim Evans
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/Ft.)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS / OVM
* S-1 @	0.0	1 / 1	2.0/2.0		Soft	D. Brn → Gray Brn	Silt w/ Tr Wood Frags & Roots	ML	Top 0.5' Snow Moist / 0ppm
1356	2.0	2 / 2							
S-2 @		2 / 3	1.8/2.0		M Stiff-	Gray Brn	Silt w/ Tr Wood Frags & Roots	ML	Moist / 0ppm
1358	4.0	2 / 3			Loose	D. Brn / Tan	Silty Sand w/ Tr Roots & Mica / Sand	SM / SP	→ F Gr. / → M Gr.
S-3 @		4 / 14	2.0/2.0		Dense	Tan	Sand w/ Tr Roots & Mica	SP	*Wet / 0ppm
1410	6.0	26 / 34							→ M to C Gr
S-4 @		9 / 25	2.0/2.0		V. Dense	Tan	Sand w/ Tr Mica	SP	→ C to F Gr / 0ppm
1418	8.0	30 / 31							
S-5 @		26 / 37	2.0/2.0		V. Dense	Tan	Sand w/ Tr Mica	SP	→ F to M Gr / 0ppm
1428	10.0	33 / 35							
S-6 @		12 / 18	1.3/1.3		V. Dense	Tan	Sand w/ Tr Mica	SP	→ F Gr / 0ppm
1444	11.5 / 12.0	100/3					(Mica Schist In Shoe)		
							(Weathered BR)		Auger to 14'
	14.0								
							Total Depth 14.0'		
							HSA to 14'		
							6" SS to 11.3'		
							Screen 4'-14'		→ 2" PVC (0.010 Slot)
							Sand 2.5'-14'		→ 3-100# Bag Ottawa Sand
							Pellets 1.5'-2.5'		→ 1-50# Bag Benton. 2" plug

REMARKS: Dietrich D-50 HSA Rig (Bombardier-Mounted
3" x 24" SS (140# Wt 30" Drop, Cat Head)
4 1/4" ID, 8" OD Auger

BORING 14MW1S
PAGE 1 OF 1

* See Legend on Back

* Sent to lab (Sample # 14MW1S-0002 & 14MW1S-0204)

BORING NO 14MW1S

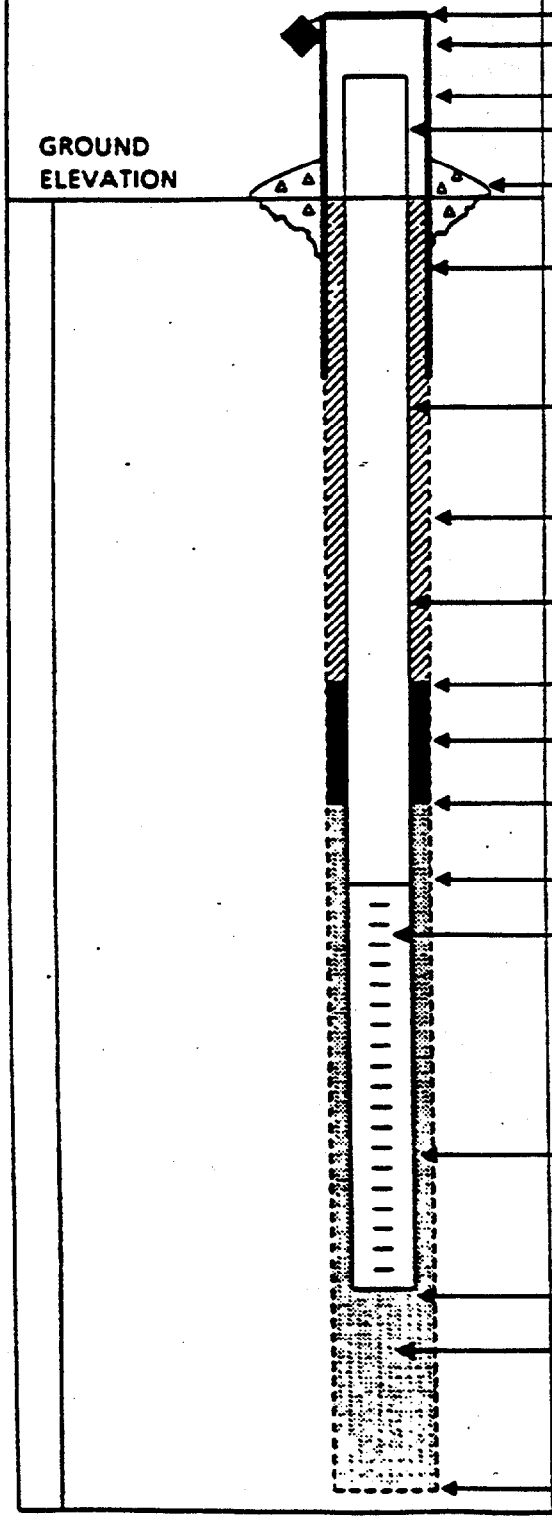
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST Tim Evans

LOCATION GROTON, CT.
BORING 14MW1S
DATE 2-28-94

DRILLER EAST COAST
DRILLING METHOD HSA
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING :
ELEVATION OF TOP OF RISER PIPE:

STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE :

TYPE OF SURFACE SEAL: Concrete

I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: PVC (Schedule 40)

BOREHOLE DIAMETER: 8"

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: /1.0'

TYPE OF SEAL: Bentonite Pellets

DEPTH TOP OF SAND PACK: 2.5'

ELEVATION / DEPTH TOP OF SCREEN: 4'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: Silica Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: /14'

ELEVATION / DEPTH BOTTOM OF SAND PACK: /14'

TYPE OF BACKFILL BELOW OBSERVATION WELL: N/A

ELEVATION / DEPTH OF HOLE: /14'

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 14TB1
PROJECT NO.: 9594 — DATE: 02-21-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans / Tim Sabo
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	0.0	7 / 22	1.8/1.8		V. Dense	L. Brn	Silty Sand w/ Gneiss Frags & Tr Roots	SP	Sand - F to MGr
1347	2.0	31 / 100/.3							
	2.5	10					- Boulder -		Auger 1.8 to 2.5
S-2 @		18 / 24	0.8/2.0		Dense	L. Brn	Silty Sand w/ Gneiss Frags & Tr Roots	SP	Moist
1401	4.5	24 / 11							
S-3 @		15 / 12	1.6/2.0		M. Dense	L. Brn	Silty Sand w/ Gneiss Frags	SP	Sand - F Gr
1410	6.5	12 / 5			↓	↓	↓	↓	
S-4 @		13 / 15	1.0/2.0		↓	↓	↓	↓	
1413	8.5	14 / 6			↓	↓	↓	↓	
S-5 @		1 / 2	1.6/2.0		M. Dense	L. Brn	Silty Sand	SP	Sand - F to MGr
1423	10.5	16 / 22							
S-6 @		7 / 9	0.0/2.0		M. Dense		- No Recovery -		
1428	12.5	39 / 26			V. Dense		- No Recovery		
S-7 @ 1445		100/.5	0.0/1.0						
S-8 @		70 / 58			V Dense		- No Recovery		
2/21 2/22 1500		100/.0							HSA to 15.5'
									Auger Refusal @ 16.0' 0916 - Move ~5' SW
									Auger Refusal @ 5.0' 1020 - Move 5' N
									Refusal @ 0.5' - Move 5' N
									Refusal @ 1.5' - Move 5' E
									Refusal @ 1.5' 1100
							Backfill 21 ft		
							Standby 1 hr		Hill ~18± Total Elev.

REMARKS Diedrich D-50 HSA Rig (Bombadier-Mounted)
3"x24" SST (140# Wt, 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 14TB1
PAGE 1 OF 1

* See Legend on Back

000003

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 14TB2
PROJECT NO.: 9594 DATE: 0-21-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-1 @	0.0	8 / 24	0.0/2.0		V. Dense		- No Recovery -		① refusal @ 0.5' ② move 5' N, refusal @ 0.5' ③ move 2.5' S Refusal @ 0.5' ④ move 10' NE, auger to 3.5'
1530	2.0	69 / 57							
	3.5								
S-2 @		24 / 69	1.2/2.0		V. Dense	Brn	Silty Sand w/ Gneiss Frags	SP	Sand - FGr
1620	5.5	57 / 11							
S-3 @		5 / 7	0.1/2.0						Poor Recovery
1630	7.5	100/.5							Auger Refusal @ 6.5'

REMARKS Dietrich D-50 HSA Rig (Bombadier-Mounted)
3" x 24" SST (140# wt. 30" Drop, Cat Head)
4¼" ID, 8" OD Auger

BORING 14TB2
PAGE 1 OF 1

* See Legend on Back

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 14TB2A
PROJECT NO.: 9594 — DATE: 3-1-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS OVM
S-1 @	6.0	1 / 2	2.0/2.0		V. Loose	D. Brn	Clayey Sand w/ Tr Roots	SC	Show Top 0.4' Moist FGr 0ppm
0920	2.0	2 / 2				Orange Brn	Sand w/ Tr Roots	SP	M Gr
S-2 @		3 / 11	1.8/2.0		M. Dense	Orange Brn	Sand w/ Tr Mica	SP	wet 1ppm
0922	4.0	13 / 26				Orange			M to C Gr Fe-stain laminations
S-3 @		5 / 19	1.7/2.0		Dense	Brn to	Sand w/ Tr Mica	SP	wet 0ppm
0931	6.0	26 / 32				Tan			M Gr
S-4 @		13 / 21	2.0/2.0		V. Dense	Tan	Sand w/ Tr Mica	SP	F to M Gr 0ppm
0936	8.0	37 / 37							Fe-staining
S-5 @		15 / 27	1.7/2.0		V. Dense	Tan	Sand w/ Tr Mica	SP	F to M Gr 0ppm
0951	10.0	34 / 46							Fe-staining laminated
S-6 @		6 / 22	2.0/2.0		V. Dense	Tan	Sand w/ Tr Mica	SP	M Gr 0ppm
0959	12.0	41 / 47							Laminated
S-7 @		22 / 41	2.0/2.0		V Dense	Tan	Sand w/ Tr Mica	SP	F to C Gr 0ppm
1016 S-8	13.8 14.0	43 / 100/.3							Laminated
@ 1031		100/.0					Mica Schist		
							Total Depth 14'		
							HSA 0' - 14'		
							8 - SS to 14'		
							Backfill 0' - 14' → Grout		

REMARKS Dietrich D-50 HSA Rig (Bombadier Mounted)
3" x 24" SST (30" Drop, 140# Wt. Cat Head)
4¼" ID, 8" OD Auger

BORING 14TB2A

PAGE 1 OF 1

* See Legend on Back

000005

APPENDIX A.12

SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 15MW15
PROJECT NO.: 9594 — DATE: 01-20-94 — DRILLER: EAST COAST THOMAS/
ELEVATION: — FIELD GEOLOGIST: TIM EVANS — TIM SABO
WATER LEVEL DATA: —
(Date, Time & Conditions) —

SAMPLE NO. & TYPE OR RQD	DEPTH (Ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth Ft)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	OVM
	0.0						Asphalt /			
	2.0						Concrete			
S-1 @		20 / 25	1.3/2.0		V. Dense	TAN	SAND & GRAVEL	GP	Sand - Fine to Med Gravel Max Ø 0.1' FILL	0 ppm
1316	4.0	31 / 17				TR BRN	SILTY SAND	SM	DRY SAND - Fine Gr	
S-2 @		16 / 8	1.8/2.0		M. Dense	ORANGE BRN	SILTY SAND	SM	MOIST SAND - Fine Gr	0 ppm (Head)
1316	6.0	10 / 11								
* S-3 @	7.0	12 / 17	1.0/1.0		M. Dense	GRAY BRN	SILTY SAND / SILT	SP/ML	MOIST Fe-Stains SAND - Med to Coarse Gr	2 ppm
1324 S-4 @		7 / 15	1.7/2.0		Dense	L. BRN	SAND	SP	Wet	0 ppm (Head)
1335	9.0	25 / 34		?Fill?					Med to Coarse Gr Poorly Graded	
S-5 @		21 / 23	2.0/2.0		Dense	Gray to Tan	Silty Sand / Silt w/ Tr Mica	SP/ML	Wet * Fe-Stained Sand - Fine to Med Gr	0 ppm
1347	11.0	24 / 27								
S-6 @		18 / 17	2.0/2.0		Dense	Gray	Silty Sand w/ Tr Mica	SP	Saturated	0 ppm
1355	13.0	27 / 27			HARD				Sand - Fine Gr, Poorly Graded	
S-7 @		21 / 32			V. Dense	Gray	Silt Sand w/ Tr Mica /	SP/	Laminated	0 ppm
1404	15.0	34 / 24			HARD		Silt	ML	Sand - Fine Gr, Poorly Graded	
							- Total Depth 15' -			
							Screen 5'-15'		→ 2" PVC 0.010 x 10'	
							Sand 3.5'-15'		→ 3 - 100# Bag Ottawa Sand	
							Pellets 1.5'-3.5'		→ 1 - 67# Bag Ace Gold Medium Bentonite Chips	

REMARKS CME 55 HSA Rig
3" x 24" SS (140# Wt, Cat Head, 30" Drop)
4¼" ID, 8" OD Auger

BORING 15MW15
PAGE 1 OF 1

* See Legend on Back

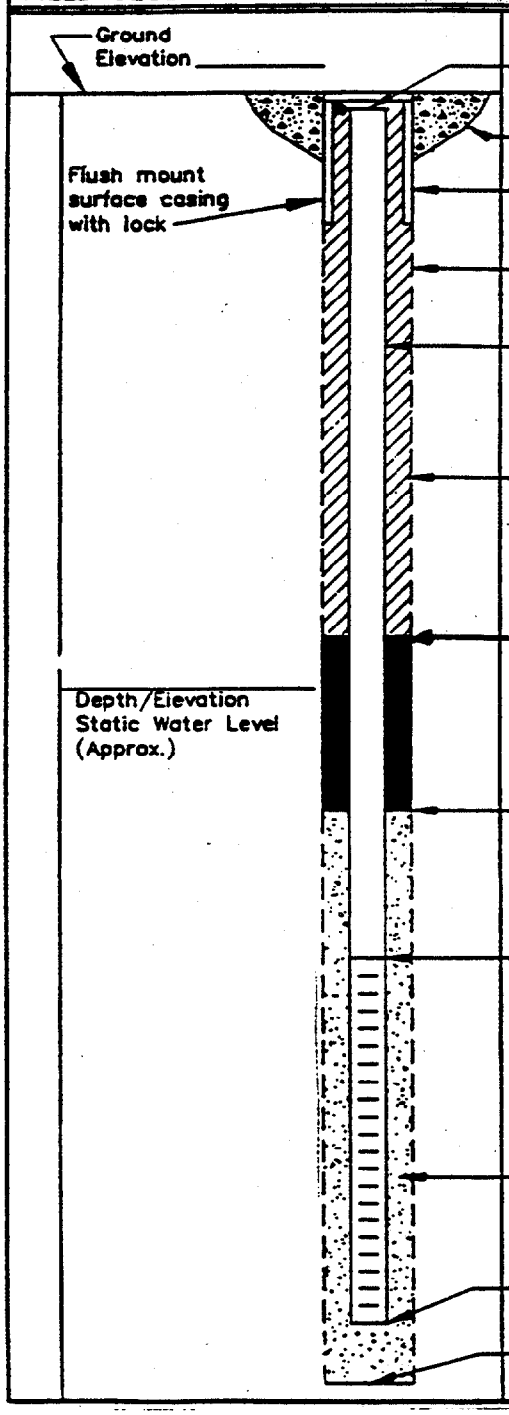
* Sample (1-2oz. & 1-8oz. jar) Sent to laboratory for analyses
# 15MW15-0607

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW15

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON
LOCATION: Groton, CT
DRILLER: East Coast
PROJECT NO.: 9594
BORING: 15MW15
DRILLING METHOD: HSA
ELEVATION:
DATE: 1-20-94
DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans



ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
TYPE OF PROTECTIVE CASING: Steel
I.D. OF PROTECTIVE CASING: 4"
BOREHOLE DIAMETER: 8"
TYPE OF RISER PIPE: PVC
RISER PIPE I.D.: 2"
TYPE OF BACKFILL/SEAL: Grout
ELEVATION / DEPTH TOP OF SEAL: /1.5'
TYPE OF SEAL: Bentonite Chips
DEPTH/ELEVATION TOP OF SAND: 3.5'/
DEPTH/ELEVATION TOP OF SCREEN: 5'/
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
TYPE OF SAND PACK: Silica Sand
DEPTH/ELEVATION BOTTOM OF SCREEN: 15'/
DEPTH/ELEVATION BOTTOM OF SAND: 15'/
DEPTH/ELEVATION BOTTOM OF HOLE: 15'/
BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 15MW1D
PROJECT NO.: 9594 DATE: 01-19-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: TIM EVANS TIM SABO
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
1345	0.0						See Boring 15MW15		Auger 0' to 15'
							for Litho 0' to 15'		
	5.0								
	10.0								
	15.0								
	20.0								
S-1 @		11 / 17	2.0/2.0		Hard	Tan	Silt	ML	Massive, Mica Flakes
1418	22.0	14 / 21			↓	↓	↓	↓	
									Auger 22' to 30'
	25.0								

REMARKS CME 55 HSA Rig
2" x 24" SS (140# wt, Cat Head, 30" Drop)
4¼" ID, 8" OD Auger

BORING 15MW1D
PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 15MW10
PROJECT NO.: 9594 DATE: 01-19-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
	25.0								
	30.0								
S-2 @		7/8	1.3/2.0		V.Stiff	Brn	Silt	ML	
1444	32.0	10/12			↓	↓	↓	↓	
									Auger 32' to 40'
	35.0								
	40.0								
S-3 @		11/14	1.2/2.0		Hard	Brn	Silt w/Tr Mud	ML	Laminated w/ Mud Laminae
1520	42.0	17/18			↓	↓	↓	↓	
	45.0								
S-4 @	45.5	100/.5	0.5/0.5		Hard	Brn	Silt w/Tr Gneiss Fragg	ML	Gneiss in shoe
1538									Auger to 46.5
							- Total Depth 46' -		Refusal @ 46.5

REMARKS Screen 36' to 46' → 2" PVC 0.010 x 10'
Sand 35' to 46' → 3½ - 100# Bag (Ottawa)
Pellets 33' to 35' → 1 - 68# Bag (Pure Gold Med Bentonite Chips)
4" Steel Protective Casing (Flush Mount)

BORING 15MW10
PAGE 2 OF 2

* See Legend on Back

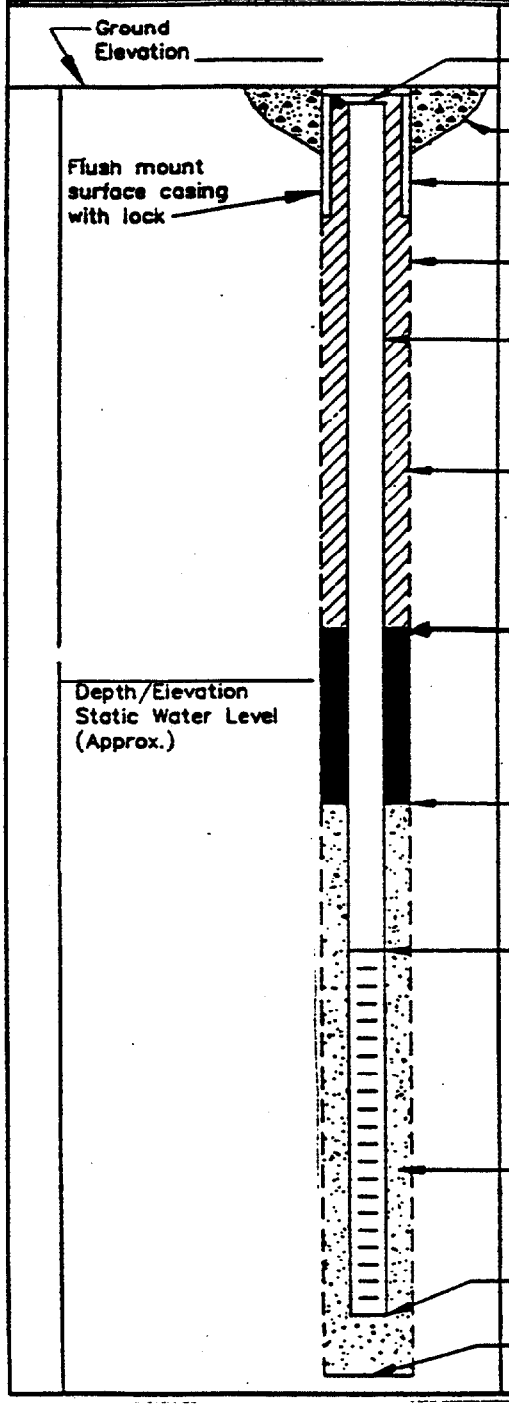
000004

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW1D

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton, CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 15MW1D	DRILLING METHOD: HSA
ELEVATION:	DATE: 1-19-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: / 33'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 35'/

DEPTH/ELEVATION TOP OF SCREEN: 36'/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 46'/

DEPTH/ELEVATION BOTTOM OF SAND: 46'/

DEPTH/ELEVATION BOTTOM OF HOLE: 46'/

BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB-NLON — BORING NO.: 15MW25
PROJECT NO.: 9594 — DATE: 01-21-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: Tim Evans, Tim Sabo
WATER LEVEL DATA: —
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/ft)	SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	
@ 1420	0.0 / 0.5	6					Concrete		Top 6"	
* S-1 @		6 / 9	1.5/2.0		M. Dense	BRN	SILTY SAND w/ Tr Coal, Brick, Gneiss	SP	Dry SAND. V. Fine Gr	0ppm
1430	2.5	13 / 7				↓	↓	↓	Gneiss Cobble in Shoe	
S-2 @		8 / 8			M. Dense	orange BRN	SAND w/ Tr Gneiss		Dry Sand - V Fine Gr Fe-Stain	0ppm
1453	4.5 / 5.0	15							Gneiss Cobble at Top	
S-3 @		9 / 16	2.0/2.0		Dense	TAN	SILTY SAND w/Tr Mica SILT	SP ML	Fine to Med Gr w/Coarse Moist	0ppm
1506	7.0	27 / 35				to Gray	SAND	SP	Fine to Med Gr	
S-4 @		10 / 16	1.5/2.0		Dense	TAN	SILTY SAND w/Tr Mica	SP	Laminated WET	0ppm
1511	9.0	14 / 19					SAND w/ Tr Mica	SW	Med to Coarse Gr	
S-5 @		10 / 12	2.0/2.0		M. Dense	TAN				0ppm
1522	11.0	17 / 19								
S-6 @		25 / 27	2.0/2.0		V. Dense					0pp...
1527	13.0	26 / 31					SILTY SAND w/Tr Mica	SP	SAND Fine, Mica Laminae	
							- NO SAMPLE -			
	15.0									
S-7 @		10 / 17	1.0/2.0		Dense	TAN	SILT SILTY SAND w/Tr Mica	ML SP	TOP 2" SAND Fine Gr Mica Laminae	
1550	17.0	21 / 29								
							HSA to 15'			
							7 SS to 17			
							Screen 5-15		→ 2" PVC 0.010	
							Sand 4-15		→ 3 - 100# Bag Ottawa Sand	
							Pellets 3-4		→ 1/2 - 68# Bag Pure Gold Medium Bentonite Chips	

REMARKS: CME 55 HSA Rig
3" x 24" SS (140# wt, Cat Head, 30" Drop)
4 1/4" ID, 8" OD Auger

BORING 15MW25
PAGE 1 OF 1

* See Legend on Back

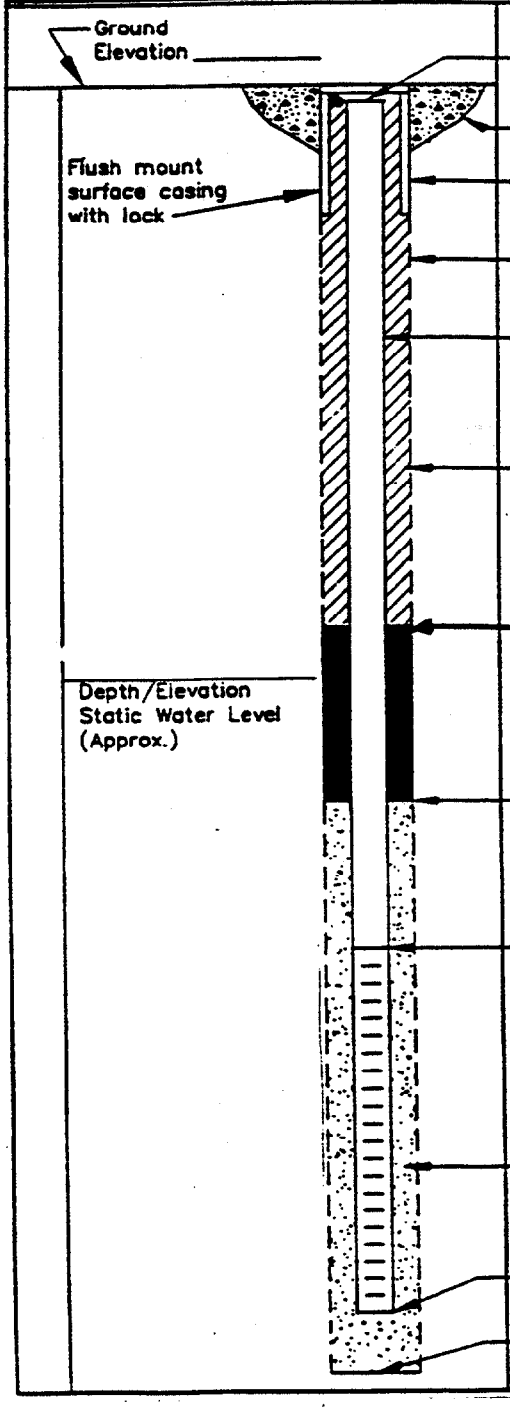
* Sample (15MW25-0.5.2.5) sent to laboratory for analyses (1-2oz. & 1-8oz. Jar)

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW2S

OVERBURDEN
MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton, CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 15MW2S	DRILLING METHOD: HSA
ELEVATION:	DATE: 1-21-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: grout

ELEVATION / DEPTH TOP OF SEAL: /3'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 4' /

DEPTH/ELEVATION TOP OF SCREEN: 5' /

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 15' /

DEPTH/ELEVATION BOTTOM OF SAND: 15' /

DEPTH/ELEVATION BOTTOM OF HOLE: 15' /

BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG — **HALLIBURTON NUS**

PROJECT: NSB - NLON — BORING NO.: 15MW3S
PROJECT NO.: 9594 — DATE: 01-21-94 — DRILLER: EAST COAST THOMAS
ELEVATION: — FIELD GEOLOGIST: TIM EVANS — TIM SABO
WATER LEVEL DATA:
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (FT) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth/Ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS	OVM
1047	0.0						Asphalt		Top 3"	
	2.0						- No Sample (Boulders) -			
* S-1 @		50/41	0.8/2.0		V. Dense	BRN	GRAVEL & SILTY SAND	GP	DRY GRAVEL - Max ø 0.1'	0ppm
1104	4.0	12/8							SAND - FINE to Med Gr	
	5.0						- No Sample (Boulder) -			
S-2 @		17/14	1.65/2.0	▼	HARD	Gray to	Silt w/ Tr Mica	ML	H_2O @ 6'	0ppm
1122	7.0	21/7				BRN	SILTY Clay w/ Tr Org	CL	Bottom 0.2'	
S-3 @		5/4	1.8/2.0		V. Stiff	BRN to	↓	↓		0ppm
1124	9.0	7/13				TAN	SILTY SAND	SP	Moist SAND - Fine Gr, Poorly Graded	
S-4 @		12/24	1.7/2.0		M. Dense	L. BRN	SILTY SAND w/ Some Silt	SP/	Saturated SAND - Med Gr, Poorly Graded	
1156	11.0	44/42						ML	Fe - Stains	
S-5 @		25/25			V. Dense	L. BRN to	SAND /	SP/	SAND - Med to Coarse Gr, Poorly Graded	0 p.
1204	13.0	45/42				TAN	SILT w/ TR MICA	ML	LAMINATED	
S-6 @		19/21	2.0/2.0		V. Dense	TAN	SILTY SAND & SILT	SP/ML	SAND - V. Fine Gr	0 ppm
1216	15.0	27/18							Laminated	
							- Total Depth 15'			
							HSA to 15'			
							6 SS to 15'			
							Screen 5'-15'		→ 2" PVC 0.010 x 10'	
							Sand 3'-15'		→ 3½ - 100# Bags Ottawa Sand	
							Pellets 2'-3'		→ 1 - 65# Bag Pure Gold Medium Bentonite Chips	

REMARKS: CME 55 HSA Rig
3" x 24" SS (140# wt, Cat Head 30" Drop)
4¼" ID, 8" OD Auger

BORING 15MW3S
PAGE 1 OF 1

* See Legend on Back

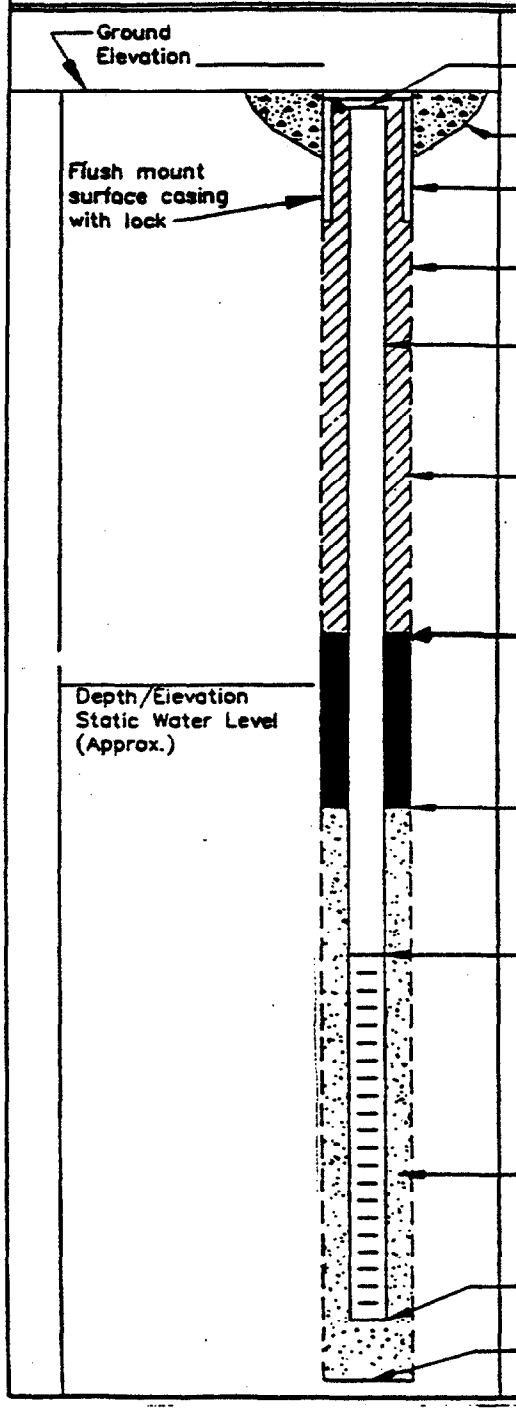
* Sample (15MW3S - 0204) sent to laboratory for analyses (1 - 2oz. & 1 - 8oz. jar

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW3S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 15MW3S	DRILLING METHOD: HSA
ELEVATION:	DATE: 1-21-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 3'

DEPTH/ELEVATION TOP OF SCREEN: 5'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 15'

DEPTH/ELEVATION BOTTOM OF SAND: 15'

DEPTH/ELEVATION BOTTOM OF HOLE: 15'

BACKFILL MATERIAL BELOW SAND: N/A

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB-NLON BORING NO.: 15MW4S
PROJECT NO.: 9594 DATE: 01-18-94 DRILLER: EAST COAST THOMAS/
ELEVATION: FIELD GEOLOGIST: Tim Evans Tim Sabo
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
									GVM
	0.0						Asphalt Boulder		2" asphalt
▲ S-1 @		18 / 12	1.0/2.0		M. Dense	Brown to Tan	Silt w/Tr Sand & Gravel	ML	Gravel Cobble Rust Mottling 0 ppm
1322	3.0	10 / 9							Sand - Med to Coarse Gr
S-2 @		6 / 7			M. Dense	TAN			MOIST 2 ppm
1329	5.0	12 / 14	1.1/2.0				SAND	SP	Fine to Med Gr, Poorly Graded
S-3 @ 1340	5.8	40 / 100/.3			V. Dense		- NO SAMPLE -		Wet POOR RECOVERY
	7.0								
S-4 @		19 / 21	1.0/2.0		Dense	GRAY	SILTY SAND	SP	SATURATED 0 ppm
1350	9.0	25 / 24							Fine Gr Poorly Graded Mica Flakes, Fe-Stain
S-5 @		21 / 25	2.0/2.0		V. Dense				0 ppm (Head)
1400	11.0	28 / 51							
S-6 @		7 / 8	2.0/2.0		M. Dense				0 ppm (Head)
1405	13.0	17 / 19							
S-7 @		25 / 27	2.0/2.0		V. Dense				0 ppm (Head)
1414	15.0	29 / 31							
S-8 @		13 / 15	2.0/2.0		Dense				0 ppm (Head)
1430	17.0	16 / 25					Silt w/ Tr. SAND	ML	FINE SAND LAMINAE
S-9 @		18 / 19	2.0/2.0		V. Dense				1 ppm (Head)
1434	19.0	31 / 37							
S-10 @		19 / 24	2.0/2.0		V. Dense	TAN			0 ppm (Head)
1451	21.0	47 / 43							
S-11 @		14 / 16	2.0/2.0		Dense	TAN			0 ppm (Head)
1500	23.0	25 / 29							
S-12 @		10 / 16	2.0/2.0		M. Dense	TAN TO RUST	SILT w/ TR MUD	ML	LAMINATED
1510	25.0	12 / 30							CYCLIC MUD LAMINAE

REMARKS CME 55 HSA Rig
3"x24" SS (140 # wt, Cat Head, 30" Drop)
4" ID, 8" OD Auger
2"x24" SS (140 # wt, Cat Head, 30" Drop)
▲ Sample (1-20z., 1-8oz jar) sent laboratory for Chemical analyses #15MW4S-0003

BORING 15MW4S
PAGE 1 OF 2

* See Legend on Back

BORING LOG **HALLIBURTON NUS**

PROJECT: NSB - NLON BORING NO.: 15MW45
PROJECT NO.: 9594 DATE: 01-18-94 DRILLER: EAST COAST THOMAS
ELEVATION: FIELD GEOLOGIST: TIM EVANS TIM SABO
WATER LEVEL DATA :
(Date, Time & Conditions)

SAMPLE NO. & TYPE OR RQD	DEPTH (ft.) OR RUN NO.	BLOWS 6" OR RQD (%)	SAMPLE RECOVERY SAMPLE LENGTH	LITHOLOGY CHANGE (Depth, ft.)	MATERIAL DESCRIPTION* SOIL DENSITY CONSISTENCY OR ROCK HARDNESS	COLOR	MATERIAL CLASSIFICATION	ROCK BR. OR USCS	REMARKS
S-13 @	25.0	11 / 13	2.0/2.0		Dense				0 ppm
1525	27.0	21 / 25							
S-14 @		16 / 27			HARD	TAN	SILT W/TR MUD & SAND	ML	LAMINATED
1550	29.0	46 / 43							MUD & SAND LAMINAE
S-15 @		9 / 12	1.8/2.0		V. Stiff -	TAN N	SILT / SANDY SILT	ML/SP	LAMINATED
1600	31.0	14 / 13			M. Dense	GRAY			SAND - Fine Gr
3" SS									
2" SS									Auger to 35'
	35.0								
S-16 @		11 / 16			HARD	L. BRN	SILT	ML	LAMINATED
1633	37.0	21 / 24							
1/18 / 1/19									Auger to 40'
	40.0								
S-17 @	40.8	15 / 100/.3	1.4/2.0		V. Dense	BRN	SAND	SP	SAND - Fine Gr Poorly Graded
0859									
	43.0								Auger Refusal @ 43'
									Screen 4'-14'
									Sand 3'-15'
									Pellets 2'-3'

REMARKS SAND 10¼ - 100# Bag Clean Sand
Pellets 1 - 50# Bag Pure Gold Medium Bentonite Chips

BORING 15MW45
PAGE 2 OF 2

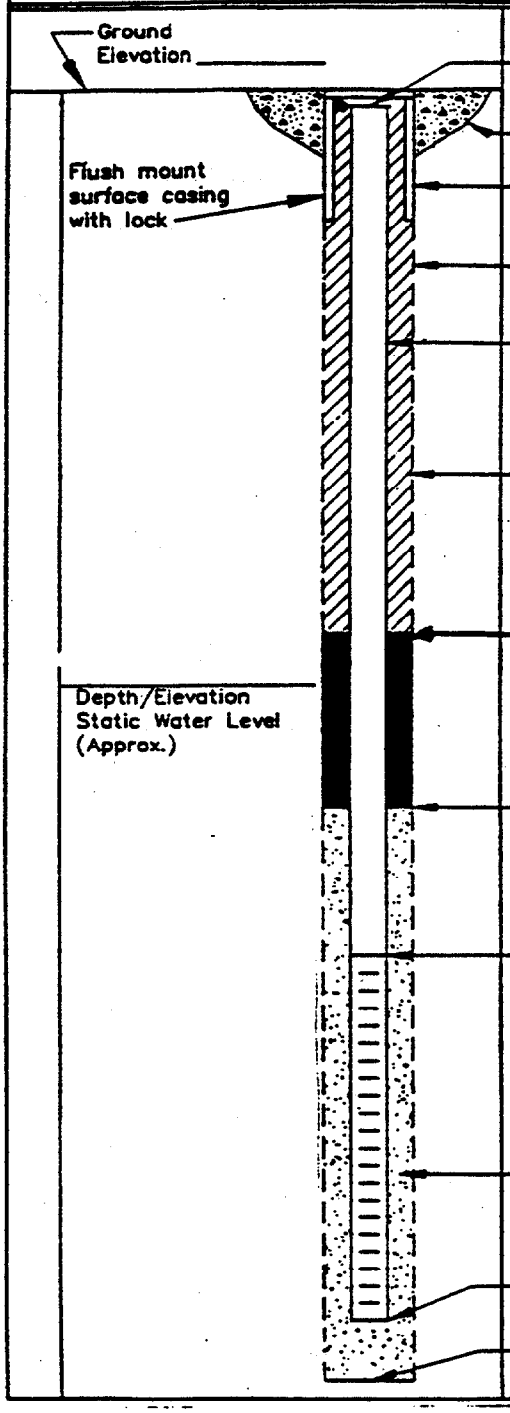
* See Legend on Back

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW4S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON	LOCATION: Groton CT	DRILLER: East Coast
PROJECT NO.: 9594	BORING: 15MW4S	DRILLING METHOD: HSA
ELEVATION:	DATE: 1-19-94	DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 3'

DEPTH/ELEVATION TOP OF SCREEN: 4'

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 14'

DEPTH/ELEVATION BOTTOM OF SAND: 15'

DEPTH/ELEVATION BOTTOM OF HOLE: 43'

BACKFILL MATERIAL BELOW SAND: Natural

APPENDIX B.1

SURVEY DATA

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
1MW2S	1142	207453.039	782361.663	86.02	88.92	88.49
1TB1	1141	207490.555	782325.351	85.98	-----	-----
1TB3	1140	207502.130	782361.953	85.05	-----	-----
2DMW23D	1063	209598.580	781309.872	81.82	83.38	-----
2DMW24D	1076	208533.555	781210.280	34.54	36.07	-----
2DMW24S	1077	208533.056	781217.293	34.70	36.40	36.29
2DMW25D	1072	208605.985	780821.716	33.46	35.48	-----
2DMW25S	1071	208609.414	780826.455	33.48	35.41	34.98
2DMW26D	1068	208906.608	780928.149	29.19	29.19	-----
2DMW26S	1067	208888.709	780914.105	28.71	28.71	-----
2DMW27D	1070	208385.564	780447.811	28.32	28.32	27.95
2DMW27S	1069	208374.881	780446.095	28.29	28.29	28.17
2DMW28D	1065	208795.572	780468.351	35.61	35.61	35.40
2DMW28S	1064	208802.402	780466.956	35.54	35.54	35.26
2DMW29S	1083	209538.950	780956.074	34.98	36.86	36.68
2DMW30S	1082	209638.154	780847.731	31.37	33.29	33.11
2DSW\SD2	1190	208477.710	781886.131	46.99	-----	-----
2DSW\SD4	1191	208543.149	781671.578	42.98	-----	-----
2DSW\SD5	1185	208409.688	781338.012	34.00	-----	-----
2DSW\SD7	1091	209263.387	781317.167	38.34	-----	-----
2DSW\SD9	1081	209741.138	780804.650	24.85	-----	-----
2DSW\SD11	1066	208531.261	780455.108	19.78	-----	-----
2DSW14	1115	208042.529	781487.750	91.23	-----	-----
2DSW15	1107	208731.661	781939.408	61.14	-----	-----
2DSW\SD30	1075	208720.284	781231.448	32.99	-----	-----
2DSW\SD31	1074	208638.714	781228.497	32.97	-----	-----
2DSW\SD32	1073	208546.558	781185.059	32.84	-----	-----
2LMW19D	1170	206332.024	783274.040	93.90	95.74	-----
2LMW19S	1171	206337.225	783284.227	93.50	95.62	95.44
2LMW20D	1167	206812.981	783055.820	87.55	87.55	87.40
2LMW20S	1168	206823.415	783048.846	87.35	87.35	87.21
2LOW1D	1121	207817.175	782058.218	86.88	89.54	89.43
2LOW1S	1119	207832.187	782075.664	86.26	88.59	88.40
2LOW2S	1117	207842.646	782051.944	86.69	89.21	89.09
2LOW3S	1118	207859.990	782104.091	85.50	87.68	87.52
2LOW4S	1116	207896.243	781995.860	86.83	89.53	89.36
2LPW1S	1120	207824.541	782068.624	86.25	89.20	89.07
2LTB13	1123	207911.658	781890.426	88.18	-----	-----
2LTB23	1122	207741.952	782048.715	88.09	-----	-----
2WCMW1S	1153	208205.931	782507.441	84.47	84.47	83.92
2WCMW2S	1154	208592.281	782877.168	86.35	86.35	86.16
2WCMW3S	1162	208268.144	782772.399	83.78	86.16	85.95
2WCSD1	1144	208798.896	782612.755	84.97	-----	-----
2WCSD2	1143	208662.318	782484.765	81.49	-----	-----
2WCSD3	1146	208567.345	782493.274	79.84	-----	-----
2WCSD4	1002	208143.369	782467.874	70.06	-----	-----
2WCSD5	1001	208163.414	782483.922	76.14	-----	-----
2WCSD6	1005	208129.412	782529.752	69.78	-----	-----

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
2WCSD7	1004	208157.261	782533.093	71.93	-----	-----
2WCSD8	1158	208477.646	782805.628	78.87	-----	-----
2WCSD9	1157	208590.504	782909.911	80.95	-----	-----
2WCSD10	1161	208716.969	783021.832	83.22	-----	-----
2WCSD11	1160	208315.492	782762.147	76.86	-----	-----
2WCSD13	1165	208087.495	782717.588	73.05	-----	-----
2WCSD14	1163	208230.422	782835.153	75.33	-----	-----
2WCSD15	1181	208084.823	782914.362	73.09	-----	-----
2WCSW3	1000	208206.008	782369.079	72.07	-----	-----
2WCSW4	1188	208150.500	782535.252	70.78	-----	-----
2WCSW5	1159	208315.504	782758.921	76.20	-----	-----
2WCTB1	1152	208366.185	782379.840	84.09	-----	-----
2WCTB2	1147	208509.229	782491.180	85.14	-----	-----
2WCTB3	1145	208753.617	782616.536	87.21	-----	-----
2WCTB4	1151	208288.344	782461.343	84.26	-----	-----
2WCTB5	1149	208410.763	782596.299	84.33	-----	-----
2WCTB6	1148	208703.898	782741.346	86.94	-----	-----
2WCTB7	1150	208244.299	782623.907	82.09	-----	-----
2WCTB8	1164	208192.445	782742.298	83.34	-----	-----
2WMW5D	1179	207730.874	783109.890	74.19	76.09	75.96
2WMW21D	1176	207315.068	783459.701	74.79	76.09	-----
2WMW21S	1175	207208.976	783440.557	74.75	76.63	76.47
2WMW22D	1177	209598.382	782472.662	121.62	123.69	-----
2WSD15	1166	208534.724	783000.064	80.94	-----	-----
2WSD22	1003	208116.709	782436.577	69.39	-----	-----
2WSD31	1180	207921.420	783109.962	74.45	-----	-----
2WSD34	1193	207644.035	782563.590	71.08	-----	-----
2WSD35	1194	207498.132	782770.605	71.34	-----	-----
2WSD37	1178	207553.098	783332.532	73.14	-----	-----
2WSD42	1172	206892.356	783365.901	72.82	-----	-----
2WSW1	1182	207101.337	783462.639	76.17	-----	-----
2WSW2	1187	208183.619	782198.353	69.65	-----	-----
2WSW7	1183	207012.244	783512.278	85.08	-----	-----
2WSW8	1174	206575.600	783614.129	85.72	-----	-----
2WSW9	1173	206614.771	783502.035	79.19	-----	-----
2WSW10	1169	206674.904	783171.187	85.51	-----	-----
2WSW12	1192	207641.640	782558.247	68.80	-----	-----
3SD6	1186	208153.753	781869.342	43.35	-----	-----
4MW1S	1130	207476.015	782064.600	127.91	129.68	129.51
4MW2S	1139	207603.964	782090.590	96.65	98.95	98.79
4MW3S	1138	207618.408	782002.224	100.55	103.65	103.49
4MW4D	1136	207576.469	782056.234	107.29	109.89	109.74
4MW4S	1137	207578.108	782045.843	107.80	110.45	110.33
4SS4	1134	207600.807	782047.221	103.09	-----	-----
4SS5	1135	207563.922	782078.330	107.48	-----	-----
4SS6	1125	207564.887	781987.127	127.54	-----	-----
4SS7	1128	207525.852	782040.425	126.84	-----	-----
4SS8	1132	207604.261	781978.396	105.99	-----	-----

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
4SS9	1126	207549.042	782003.040	129.03	-----	-----
4SS10	1127	207554.677	782023.281	126.21	-----	-----
4SW\SD1	1124	207386.752	781885.724	151.12	-----	-----
4SW\SD2	1131	207677.548	781963.093	89.84	-----	-----
4TB1	1129	207543.409	782025.289	128.60	-----	-----
4TB2	1133	207592.058	782009.992	107.04	-----	-----
6MW2D	1184	210137.152	779891.835	6.64	7.93	7.85
6MW3D	1078	210280.712	779922.550	4.90	4.90	4.78
6MW6D	1155	210070.584	780216.834	10.02	12.50	-----
6MW6S	1156	210078.942	780214.238	10.01	12.31	12.16
6MW7S	1195	210035.617	780063.117	6.60	6.60	6.00
6MW8S	1079	210281.270	780001.178	5.75	5.75	5.44
7MW2D	1093	209243.972	781435.353	43.20	43.20	43.02
7MW3D	1085	209049.843	781481.248	44.14	46.81	46.67
7MW4S	1104	208924.861	781907.442	47.18	47.18	46.84
7MW5D	1095	209258.766	781730.906	56.82	56.82	56.57
7MW5S	1096	209256.247	781740.775	56.92	56.92	56.62
7MW6S	1106	208968.819	781699.409	47.04	47.04	46.65
7MW7S	1099	209159.006	781760.356	46.95	46.95	46.57
7MW8S	1086	209211.860	781354.880	42.28	42.28	42.10
7MW9S	1088	209138.308	781250.972	38.20	38.20	37.91
7MW10S	1089	209261.753	781219.344	40.71	43.59	43.42
7MW11S	1103	208926.812	781698.689	46.70	46.70	46.49
7SD2	1110	209162.964	781926.113	45.53	-----	-----
7SD3	1109	209197.602	781561.037	40.84	-----	-----
7SW1	1108	209216.548	781468.062	39.21	-----	-----
7TB7	1100	209310.246	781703.134	54.35	-----	-----
7TB8	1101	209351.222	781843.675	57.48	-----	-----
7TB9	1102	209328.161	781985.665	56.71	-----	-----
7TB10	1105	208901.186	781815.196	46.81	-----	-----
7TB12	1097	209248.781	781803.889	56.82	-----	-----
7TB13	1098	209244.710	781877.821	56.83	-----	-----
7TB14	1090	209241.715	781304.230	41.90	-----	-----
7TB15	1087	209172.673	781331.394	42.60	-----	-----
7TB16	1094	209167.442	781538.552	43.57	-----	-----
8MW2D	1023	202815.827	781606.679	10.17	10.17	9.77
8MW5S	1020	203104.702	781512.850	11.51	11.51	10.94
8MW6D	1026	202666.534	781688.873	9.90	9.90	9.62
8MW6S	1027	202645.689	781693.360	10.10	10.10	9.66
8MW7S	1035	202631.256	781882.028	10.84	10.84	10.45
8MW8D	1033	202800.053	781956.968	19.83	19.83	19.53
8MW8S	1034	202810.736	781955.216	20.01	20.01	19.68
8SW\SD2	1037	202523.741	781958.593	1.54	-----	-----
8SW\SD3	1038	202514.178	781819.304	0.36	-----	-----
8SW\SD4	1039	202472.527	781703.835	0.44	-----	-----
8SW\SD5	1036	202337.061	781910.943	1.55	-----	-----
8SW\SD6	1040	202373.748	781705.179	1.40	-----	-----
8TB4	1024	202892.719	781717.984	11.53	-----	-----

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
8TB5	1031	202719.474	781827.996	10.98	-----	-----
8TB6	1030	202781.375	781845.211	12.75	-----	-----
8TB7	1018	203134.749	781486.524	12.53	-----	-----
8TB8	1022	202863.087	781599.488	10.80	-----	-----
8TB9	1021	203029.329	781605.718	12.55	-----	-----
8TB10	1025	202803.708	781701.171	10.44	-----	-----
8TB11	1017	203003.991	781514.519	11.72	-----	-----
8TB12	1029	202759.294	781785.415	10.04	-----	-----
8TB13	1032	202704.367	781953.735	17.57	-----	-----
8TB14	1028	202640.809	781787.621	10.33	-----	-----
8TB15	1019	203145.932	781532.285	12.72	-----	-----
13MW18	1055	205199.246	780440.222	12.65	12.65	12.12
13MW19	1059	205046.973	780313.329	8.34	8.34	8.05
13MW20	1057	205129.730	780276.666	10.71	10.71	10.45
13MW21	1056	205070.470	780283.988	9.03	9.03	8.70
13TB2A	1043	204312.658	780863.041	7.75	-----	-----
13TB3A	1051	204377.891	780731.459	7.64	-----	-----
13TB4A	1052	204379.795	780787.786	8.45	-----	-----
13TB5A	1049	204443.723	780761.829	8.09	-----	-----
13TB6	1041	204195.577	780810.125	7.75	-----	-----
13TB7	1050	204461.290	780815.095	8.81	-----	-----
13TB8	1054	204724.467	780809.610	12.56	-----	-----
13TB9	1053	204889.996	780699.975	14.02	-----	-----
13TB10	1044	204721.210	780586.003	7.73	-----	-----
13TB11	1045	204642.719	780644.654	8.29	-----	-----
13TB12	1046	204532.742	780661.437	7.68	-----	-----
13TB13	1058	205144.737	780319.558	11.49	-----	-----
13TB18	1047	204459.890	780692.856	7.84	-----	-----
14MW1S	1114	208559.021	782002.549	49.22	51.65	51.44
14SS3	1189	208515.007	782054.776	50.08	-----	-----
14TB1	1111	208631.946	782025.474	74.51	-----	-----
14TB2A	1113	208554.770	782033.584	49.82	-----	-----
15MW1D	1006	203504.565	782939.045	28.25	28.25	28.05
15MW1S	1007	203504.608	782948.666	28.35	28.35	28.08
15MW2S	1008	203568.796	782954.062	29.28	29.28	28.90
15MW3S	1010	203438.264	782909.947	26.44	26.44	26.26
15MW4S	1009	203510.098	782837.371	26.37	26.37	26.24
15SD1	1011	203370.075	783047.492	23.13	-----	-----
OTMW01	1016	203105.876	783184.079	22.61	25.70	25.11
OTMW02	1015	203156.444	783196.396	22.78	26.10	25.71
OTMW03	1013	203119.747	783230.643	22.90	25.98	25.35
OTMW04	1014	203150.069	783246.288	22.85	26.23	25.97
RRSPIKE	533	207808.285	782017.135	88.72	-----	-----
SG-1	1080	209889.963	779989.959	8.84	-----	-----
SG-2	1048	204483.402	780657.490	7.20	-----	-----
SG-3	1012	203122.792	783212.131	26.58	-----	-----
SG-4	1084	209619.650	780902.506	32.10	-----	-----
SG-5	1092	209241.404	781334.610	41.42	-----	-----

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
SG-6	1112	208200.295	782167.585	85.29	-----	-----
WE4A	1042	204338.519	780871.732	8.58	-----	-----
BLDG TIE	1060	205073.666	780300.411	5.66	-----	-----
BLDG TIE	1061	205070.960	780237.410	8.41	-----	-----
BRASS DISC	21	208357.656	780452.678	28.78	-----	-----
BRASS DISC	30	204526.882	780601.020	7.59	-----	-----
BRASS DISC	32	204069.338	780925.550	7.92	-----	-----
BRASS DISC	36	202896.447	781860.068	75.12	-----	-----
BRASS DISC	61	203370.932	783045.415	26.25	-----	-----
BRASS DISC	62	203760.215	783038.645	35.36	-----	-----
BRASS DISC	161	207859.567	781393.243	104.83	-----	-----
BRASS DISC	210	208874.592	780522.230	36.25	-----	-----
BRASS DISC	211	209631.400	780589.886	38.33	-----	-----
BRASS DISC	213	209141.754	781481.385	44.29	-----	-----
BRASS DISC	261	205173.881	780384.860	10.53	-----	-----
BRASS DISC	262	205176.192	780613.500	13.42	-----	-----
BRASS DISC	500	208232.112	782417.791	80.01	-----	-----
BRASS DISC	509	206558.890	783173.112	91.61	-----	-----
BRASS DISC	517	204419.090	780709.835	7.75	-----	-----
BRASS PIN	1	202892.223	782198.231	21.70	-----	-----
DRILL HOLE	515	202877.558	781622.655	11.23	-----	-----
DRILL HOLE	516	202543.336	781896.647	2.14	-----	-----
DRILL HOLE	524	208772.031	780931.123	40.43	-----	-----
DRILL HOLE	537	207458.489	782469.453	96.18	-----	-----
DRILL HOLE	542	210137.358	780623.840	39.49	-----	-----
DRILL HOLE	545	209170.972	782551.757	121.67	-----	-----
IRON PIN	97	206622.037	782831.927	145.41	-----	-----
IRON PIN	214	208651.920	782103.033	96.25	-----	-----
IRON PIN	215	208477.814	782224.830	98.27	-----	-----
IRON PIN	217	207958.955	781763.253	93.75	-----	-----
IRON PIN	221	209600.594	780004.250	7.21	-----	-----
IRON PIN	222	208606.650	780058.998	9.33	-----	-----
IRON PIN	528	209221.459	781713.086	68.89	-----	-----
IRON PIN	800	209978.924	780693.557	44.90	-----	-----
MH TIE	1062	205001.119	780270.862	3.49	-----	-----
NAIL	510	206774.172	783023.218	106.55	-----	-----
NAIL	511	206590.778	783450.673	88.34	-----	-----
NAIL	518	204200.848	780857.561	8.27	-----	-----
NAIL	519	204506.132	780912.699	10.43	-----	-----
NAIL	520	205164.132	780280.248	11.51	-----	-----
NAIL	521	205050.462	780272.153	8.14	-----	-----
NAIL	522	210069.509	780676.976	40.58	-----	-----
NAIL	523	209874.912	781001.552	66.37	-----	-----
NAIL	525	209999.269	779921.198	6.09	-----	-----
NAIL	526	210274.483	779917.068	4.84	-----	-----
NAIL	527	209669.262	780764.841	33.52	-----	-----
NAIL	530	208929.699	781685.754	46.40	-----	-----
NAIL	538	208739.581	782035.632	71.81	-----	-----

CTO 129
NSB-NLON, Groton, CT
Phase II RI Survey Data

DESCRIPTION	PT. NO	NORTHING	EASTING	O.G.	TOP CASE	TOP RISER
NAIL	539	208490.345	782522.072	85.19	-----	-----
NAIL	540	208377.639	782642.032	83.80	-----	-----
NAIL	541	208707.107	782284.175	83.58	-----	-----
NAIL	543	210034.235	780265.847	14.18	-----	-----
NAIL	544	209440.114	782520.120	126.85	-----	-----
STK	501	208309.175	782271.651	81.06	-----	-----
STK	502	208172.969	782496.020	78.84	-----	-----
STK	503	208197.106	782629.902	79.45	-----	-----
STK	504	208166.991	782713.147	83.45	-----	-----
STK	505	208384.945	782721.209	82.29	-----	-----
STK	507	208554.262	782887.020	83.30	-----	-----
STK	508	208523.364	782983.630	82.33	-----	-----
STK	512	207342.147	783451.678	84.09	-----	-----
STK	513	207531.896	783331.464	72.80	-----	-----
STK	514	207717.569	783279.056	75.01	-----	-----
STK	529	209353.532	781699.600	57.00	-----	-----
STK	531	208319.953	782178.038	85.66	-----	-----
STK	532	208427.045	782059.341	66.54	-----	-----
STK	534	207539.846	781964.933	131.33	-----	-----
STK	535	207621.538	781974.261	101.91	-----	-----
STK	536	207598.466	782229.214	86.84	-----	-----
STK	546	208813.727	782524.418	97.95	-----	-----
STK	547	207731.434	783098.134	74.22	-----	-----
STK	548	207952.171	783103.400	74.45	-----	-----
STK	551	208175.774	782079.742	87.22	-----	-----
STK	552	208493.032	781934.293	58.79	-----	-----
STK	553	208440.338	781814.882	50.63	-----	-----

Louis Federici & Associates

Land Surveyors • Consultants • Planners • Biologists

Rhode Island • Connecticut • Massachusetts

August 19, 1994

Halliburton Nus Corporation
993 Old Eagle School Road
Wayne, PA 19087-1710
ATTN: Mathew Cochran, Project Mgr.

Dear Mr. Cochran

The following list of ~~Well~~ Surface Locations for CTO NO. 129- Perform a Phase II Remedial Investigation, New London, Groton, CT; our Project #940407, could not be located due to physical obstructions or inaccessibility.

Wells:	2WSD20	2WSD29
	2WSD21	2WSD30
	2WSD10	2WSD32
	2WSD11	2WSD33
	2WSD12	2WSD36
	2WSD13	2WSD38
	2WSD14	2WSD39
	2WSD16	2WSD40
	2WSD17	2WSD41
	2WSD18	2WCSD12
	2WSD19	2DSW10
	2WSD27	2WSW6
	2WSD28	2WSW11

A total of 26 Wells. Please advise as how to proceed.

Respectfully Submitted,

Louis Federici, P.L.S.

LF/tkt

235 Promenade St., Room 195, Providence, RI 02908
Tele: (401) 331-1570 FAX: (401) 331-1593
Member of R.I. Society of Professional Land Surveyors • American Congress on Surveying & Mapping
Connecticut Association of Land Surveyors • Massachusetts Association of Land Surveyors & Civil Engineers
Rhode Island Conveyancers Association • American Arbitration Association

THAMES RIVER SAMPLING

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC-SDTR01	EC-SDTR01
Latitude: (Degrees)	41 24 49.74	
Longitude: (Degrees)	-072 05 34.2	
Northing: (Feet)		212156.00
Easting: (Feet)		780137.00
Convergence: (Degrees)	- - - - -	0° 26' 7.56897"
Scale Factor:	- - - - -	0.999985321459
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31246" S , 1.65444" W
Datum Shift: (Meters) 9.64 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 00:59:57

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC SDTR02	EC-SDTR02
Latitude: (Degrees)	41 24 12.84	
Longitude: (Degrees)	-072 05 37.56	
Northing: (Feet)		208419.39
Easting: (Feet)		779909.36
Convergence: (Degrees)	- - - - -	0° 26' 5.34136"
Scale Factor:	- - - - -	0.999985709932
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31280" S , 1.65404" W
Datum Shift: (Meters) 9.65 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined
within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 08:50:00

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC-SDTR03	EC-SDTR03
Latitude: (Degrees)	41 24 6.24	
Longitude: (Degrees)	-072 05 38.16	
Northing: (Feet)		207751.05
Easting: (Feet)		779868.71
Convergence: (Degrees)	- - - - -	0° 26' 4.94357"
Scale Factor:	- - - - -	0.999985782770
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut
Datum Shift: (Seconds)	0.31286" S , 1.65397" W	
Datum Shift: (Meters)	9.65 S , 38.42 W	

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined
within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 08:52:07

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC-SDTR04	EC-SDTR04
Latitude: (Degrees)	41 23 54.3	
Longitude: (Degrees)	-072 05 37.62	
Northing: (Feet)		206542.91
Easting: (Feet)		779919.04
Convergence: (Degrees)	- - - - -	0° 26' 5.30169"
Scale Factor:	- - - - -	0.999985917126
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut
Datum Shift: (Seconds)	0.31297" S , 1.65387" W	
Datum Shift: (Meters)	9.66 S , 38.42 W	

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 08:53:25

Blue Marble Geographics
16 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC-SDTR05	EC-SDTR05
Latitude: (Degrees)	41 23 40.32	
Longitude: (Degrees)	-072 05 35.58	
Northing: (Feet)		205129.17
Easting: (Feet)		780085.27
Convergence: (Degrees)	- - - - -	0° 26' 6.65439"
Scale Factor:	- - - - -	0.999986078671
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31309" S , 1.65378" W
Datum Shift: (Meters) 9.66 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 08:58:14

Blue Marble Geographics
16 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	EC-SDTR06	EC-SDTR06
Latitude: (Degrees)	41 23 28.4	
Longitude: (Degrees)	-072 05 28.2	
Northing: (Feet)		203927.03
Easting: (Feet)		780656.93
Convergence: (Degrees)	- - - - -	0° 26' 11.54774"
Scale Factor:	- - - - -	0.999986220018
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut
Datum Shift: (Seconds)	0.31316" S , 1.65381" W	
Datum Shift: (Meters)	9.66 S , 38.42 W	

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

EC-SDTR07

Northing: (Feet)		199113.19
Easting: (Feet)		781187.67
Convergence: (Degrees)	- - - - -	0° 26' 15.04450"
Scale Factor:	- - - - -	0.999986017552
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31356" S , 1.65350" W
Datum Shift: (Meters) 9.67 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 09:06:05

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	T3SD1	T3SD1
Latitude: (Degrees)	41 23 9.4	
Longitude: (Degrees)	-072 05 17.58	
Northing: (Feet)		202010.22
Easting: (Feet)		781481.10
Convergence: (Degrees)	- - - - -	0° 26' 18.58941"
Scale Factor:	- - - - -	0.999986452182
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31329" S , 1.65384" W
Datum Shift: (Meters) 9.67 S , 38.43 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

The Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 09:15:21

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	T4SD2	T4SD2
Latitude: (Degrees)	41 23 30.54	
Longitude: (Degrees)	-072 05 30	
Northing: (Feet)		204142.57
Easting: (Feet)		780518.09
Convergence: (Degrees)	- - - - -	0° 26' 10.35425"
Scale Factor:	- - - - -	0.999986194397
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31315" S , 1.65380" W
Datum Shift: (Meters) 9.66 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined within DMA TR 8350.2, 2nd Edition, 1 September 1991.

e Geographic Calculator - Version 3.09

Registered to 'Douglas R. Levin'

Date: 05/12/95 Time: 09:04:43

Blue Marble Geographics
46 Water Street, Gardiner, Maine 04345 USA
(207) 582-6747 FAX (207) 582-7001

	T3SD4	T3SD4
Latitude: (Degrees)	41 24 28.74	
Longitude: (Degrees)	-072 05 38.82	
Northing: (Feet)		210027.91
Easting: (Feet)		779801.13
Convergence: (Degrees)	- - - - -	0° 26' 4.50582"
Scale Factor:	- - - - -	0.999985538640
System:	Geodetic	United States State Plane 1927
Datum Transf.:	World Geodetic System 1984	North American Datum 1927
Ellipsoid:	WGS 1984	Clarke 1866
Zone:	- - - - -	600 - Connecticut

Datum Shift: (Seconds) 0.31267" S , 1.65416" W
Datum Shift: (Meters) 9.65 S , 38.42 W

Geodetic Datum Transformation 'North American Datum 1927'
Based on Multiple Regression Equation (MRE) coefficients as defined
within DMA TR 0350.2, 2nd Edition, 1 September 1991.

DOWNSTREAM / OBDA

LOUIS FEDERICI AND ASSOCIATES				
land surveyors planners biologists				
235 PROMENADE STREET PROVIDENCE, R.I. 02908				
ADDITIONAL WORK AT U.S. NAVAL SUBBASE, GROTON, CT. 3/16/95				
ID	LFA PT.#	NORTHING	EASTING	SURFACE WATER ELEVATION
ECSD\SW-1	1301	208395.55	781366.76	37.03
ECSD\SW-2	1302	208385.03	781505.33	38.96
ECSD\SW-3	1303	208253.68	781752.97	40.79
ECSD\SW-4	1304	208225.72	781861.87	42.79
ECSD\SW-5	1305	208232.99	781907.55	42.79
ECSD\SW-6	1306	208241.03	781936.53	42.79
ECSD\SW-7	1307	208698.28	781448.69	41.84
ECSD\SW-8	1308	208648.03	781540.21	43.22
ECSD\SW-9	1309	208624.16	781610.90	43.46
ECSD\SW-10	1310	208548.51	781680.34	43.48
ECSD\SW-11	1311	208512.60	781724.66	43.48
ECSD\SW-12	1312	208470.72	781757.62	43.48
ECSD\SW-13	1313	208713.06	781779.36	45.46
ECSD\SW-14	1314	208630.04	781913.61	46.10
ECSD\SW-15	1315	208561.29	781968.69	46.46
ECSD\SW-16	1316	208433.28	781913.40	47.37
ECSD\SW-17	1317	208423.14	781862.22	47.37
ECSD\SW-18	1318	208401.63	781892.30	47.37
ECSD\SW-19	1319	208396.81	781954.22	47.87
ECSD\SW-20	1320	208337.94	782015.58	48.01
ECSD\SW-21	1321	208257.23	782064.75	52.21

LOUIS FEDERICI AND ASSOCIATES
land surveyors planners biologists
235 PROMENADE STREET PROVIDENCE, RHODE ISLAND 02908

ADDITIONAL WORK AT US NAVAL SUBBASE. GROTON, CT. 1/20/95

LFA PT.	ID	N	E	OG	T.CASE	T.RISER
32	BRASS DISC	204069.34	780925.55	7.92		
61	BRASS DISC	203370.93	783045.42	26.25		
213	BRASS DISC	209141.75	781481.39	44.29		
500	BRASS DISC	208232.11	782417.79	80.01		
501	STK	208309.18	782271.65	81.06		
517	BRASS DISC	204419.09	780709.84	7.75		
530	NAIL	208929.70	781685.75	46.40		
536	STK	207598.47	782229.21	86.84		
537	DRILL HOLE	207458.49	782469.45	96.18		
551	STK	208175.77	782079.74	87.22		
554	DRILL HOLE	203087.99	783362.65	32.32		
555	NAIL	208918.81	781828.87	46.96		
1196	T2B	208001.37	782105.11	70.43		
1197	T2A	207988.51	782091.98	70.91		
1198	T3A	207958.37	782114.58	73.32		
1199	T3B	207972.07	782129.43	70.60		
1200	T4A	207907.24	782156.97	72.09		
1201	T4B	207925.05	782167.45	70.49		
1202	T5A	207847.43	782187.43	71.97		
1203	T5B	207864.61	782208.64	71.16		
1204	T6A	207808.26	782278.34	71.24		
1205	T6B	207819.85	782285.81	70.45		
1206	T7A	207769.12	782339.72	70.80		
1207	T7B	207786.21	782348.83	70.23		
1208	T8A	207644.67	782563.36	71.39		
1209	T8B	207657.51	782571.57	70.82		
1210	T9A	207496.86	782776.94	70.64		
1211	T9B	207505.20	782788.76	70.57		
1212	T10A	207195.32	783005.05	71.62		
1213	T10B	207203.53	783015.90	71.39		
1214	MW01	203096.79	783318.37	24.64	24.64	24.12
1215	MW03	203062.70	783302.56	22.67	22.67	22.32
1216	MW02	203087.35	783281.30	22.78	22.78	22.20
1217	MW08	203041.79	783269.61	22.31	22.31	22.03
1218	MW07	203058.32	783253.81	22.34	22.34	22.06
1219	MW06	203029.85	783243.19	22.84	22.92	22.74
1220	MW05	203038.60	783230.79	23.66	23.66	22.93
1221	MW04	203073.83	783187.99	23.22	23.22	22.50
1222	CLFP	203025.81	783292.97			
1223	CLFP	203070.06	783296.37			
1224	CLFP	203073.39	783251.26			
1225	CLFP	203028.97	783248.10			
1226	CLFP	203028.88	783237.01			
1227	CLFP	203041.43	783246.29			
1228	CLFP	203050.66	783246.88			
1229	CLFP	203081.98	783240.70			
1230	CLFP	203084.43	783204.13			
1231	CLFP	203041.28	783200.85			
1232	CLFP	203029.47	783224.62			
1233	T1A	208030.87	782054.46	75.11		
1234	T1B	208037.59	782073.82	72.23		

000019

LOUIS FEDERICI AND ASSOCIATES
land surveyors planners biologists
235 PROMENADE STREET PROVIDENCE, RHODE ISLAND 02908

ADDITIONAL WORK AT US NAVAL SUBBASE, GROTON, CT. 1/20/95

1235	CRN BLDG	208939.69	781713.37			
1236	CRN BLDG	208938.25	781758.89			
1237	CRN BLDG	208963.22	781759.67			
1238	CRN BLDG	208959.03	781904.97			
1239	CRN BLDG	208942.05	781904.46			
1240	CRN BLDG	208940.80	781944.39			
1241	MW1	208931.77	781755.57	47.50	47.50	47.23
1242	MW4	208889.81	781747.29	47.17	47.17	46.88
1243	MW3	208904.02	781761.05	46.59	46.59	46.05
1244	MW2	208916.73	781810.91	46.94	46.94	46.66
1245	CRN CONC	208882.81	781775.18			
1246	CRN CONC	208885.68	781775.71			
1247	CTR CAP	208884.66	781772.82			
1248	CRN COVEN	208942.12	781764.13			
1249	CRN COVEN	208953.87	781764.67			
1250	CRN COVEN	208952.71	781796.90			
1251	CRN COVEN	208941.01	781796.28			
1252	CRN CASEMENT	208942.70	781765.26			
1253	CRN CASEMENT	208941.75	781795.36			
1254	CRN CASEMENT	208952.14	781795.59			
1255	QW2	204382.52	780739.72	7.94	7.94	7.58
1257	QW6	204330.93	780742.07	7.45		
1258	QW1	204336.31	780756.90	7.86	7.86	7.46
1259	QW3	204244.71	780798.13	7.86	7.86	7.56
1260	QW4	204194.63	780819.65	7.80	7.80	6.67
1261	QW5	204069.63	780872.54	7.84	7.84	7.65

APPENDIX B.2

CHAIN OF CUSTODIES

ROUND 1 SAMPLING
ROUND 2 SAMPLING
SUPPLEMENTAL THAMES RIVER/GOSS COVE
SUPPLEMENTAL AREA A DOWNSTREAM/OBDA SAMPLING
SUPPLEMENTAL GOSS COVE, AIR/SOIL SAMPLING

ROUND 1 SAMPLING

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S J Conta / K. Fogerty.

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC-8 OZ GLASS	8 OZ GLASS-SVOC MET/PEST/PCBS	40 ml VOA. VOCS	1-L AMBER SVOC's	1-L AMBER PEST	1-L PE INORGANICS & HARDNESS	REMARKS
T3SD1	11/9/93	0900		✓	T3SD1	2	1	1					
"	"	"		✓	T3SD1-D	2	1	1					
"	"	"		✓	T3SD1	2	1	1					DO MS/MSD
T4SD1	"	1040		✓	T4SD1	1		1					
T5SD1	"	1110		✓	T5SD1	1		1					
T3SD2	"	1400		✓	T3SD2	1		1					
T4SD2	"	1420		✓	T4SD2	1		1					
T5SD2	"	1520		✓	T5SD2	1		1					
T3SW2	"	1340		✓	T3SW2S	6			2	2	1	1*	SURFACE
T3SW2	"	1315 ~~1340~~		✓	T3SW2B	6			2	2	1	1*	BOTTOM
TR-RB1	"	1900		✓	TR-RB1	6			2	2	1	1*	
TB01	"	0800		✓	TB-01				2				
													* ADD HARDNESS - NOTE
													SOME OF THE BOTTLE LABELS MAY NOT HAVE IND HARDNESS

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S J Conta	11/10/93 1300	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OK. FED EX AB# 5173504996 1	

Order No. 70440 (0693)

100000

2 coolers

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB- NLON

SAMPLERS (SIGNATURE): [signature] / K. FOLERTY

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8oz Glass - Met	SVOC Pest PCB	40 ml VOA	1-L Amber VOC+	1-L Amber SVOC+	1-L Amber Pest	1-LPE Met		REMARKS
TB	11/10/93	—		✓	TB-02	2		2							TRIP BLANK DAY 2
TR RB		1650		✓	TR-RB-02 KEMMERER	6		2	2	1	1				EQUIPMENT BLANK DAY 2
8SW1		0845		✓	8SW1B	6		2	2	1	1				
8SW1		0901		✓	8SW1S	6		2	2	1	1				
8SW1		0901		✓	8SW1S-D	6		2	2	1	1				
T3SW3		0937		✓	T3SW3B	6		2	2	1	1				
T3SW3		0950		✓	T3SW3S	6		2	2	1	1				
2DSW13		1120		✓	2DSW13-MS/MSD	12		4	4	2	2				
2DSW13	↓	1120		✓	2DSW13	6		2	2	1	1				WATER ONLY 7' DEEP ONLY TOOK ONE SAMPLE - NO S&D
	→				THESE SAMPLES WERE NOT ANALYZED - RESAMPLED										
					WITH DISSOLVED METALS ADDED ON 12.18.94 ←										

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	11.10.93 1910	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO S.W. LAB OK FED EX AB# 5735049950	

Order No. 70440 (0693)

2nd ½ of DAY 4

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): T. Ely / R. Doherty

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs	1 L AMBER SVOCs	1 L AMBER PEST	1 L PLASTIC METALS			REMARKS
T3SW1	11/10	1230		✓	T3SW1	6	2	2	1	1			WATER ONLY 4' DEEP NO S&B, 1 SAMPLE
T3SW1-D		1230		✓	T3SW1-D	6	2	2	1	1			DUP.
T3SW1A		1305		✓	T3SW1A - BOTTOM	6	2	2	1	1			
T3SW1A		1310		✓	T3SW1A / SURFACE	6	2	2	1	1			
T3SW1B		1320		✓	T3SW1B - BOTTOM	6	2	2	1	1			
T3SW1B		1328		✓	T3SW1B - SURFACE	6	2	2	1	1			
6SW1		1345		✓	6SW1 - BOTTOM	6	2	2	1	1			
6SW1		1350		✓	6SW1 - SURFACE	6	2	2	1	1			
TB	↓	—		✓	TB-03	2	2						TRIP BLANK #3
		→			THESE SAMPLES WERE NOT ANALYZED - RESAMPLED								
					WITH DISSOLVED METALS ADDED ON 12.18.94 ←								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
T. Ely	11.11.93 1530	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AIR BILL # [illegible]	

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible] / K. FOGERTY

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	QT GLASS AMBER	32 OZ GLASS	8 OZ GLASS				REMARKS: ENG. PROPERTIES
T3 SD1	11/9/93	0900		✓	T3SD1-E	1	1						GRAIN SIZE, MOIS. CONT. SPGR, ORG CONTENT, CEC,
T4 SD1	↓	1040		✓	T4SD1-E	1	1						PH & TOC
T5 SD1	↓	1110		✓	T5SD1-E	1	1						↓
T3 SD2	↓	1400		✓	T3SD2-E	1	1						↓
T4 SD2	↓	1420		✓	T4SD2-E	1	1						↓
T5 SD2	↓	1520		✓	T5SD2-E	1	1						↓
T3 SD4	[illegible]	[illegible]		✓	T3SD4-E	2		1	1				↓
T4 SD4	↓	[illegible]		✓	T4SD4-E	2		1	1				↓
T5 SD4	↓	1005		✓	T5SD4-E	2		1	1				↓
T3 SD3	↓	1130		✓	T3SD3-E	2		1	1				↓
T4 SD3	↓	1335		✓	T4SD3-E	2		1	1				↓
T5 SD3	↓	1420		✓	T5SD3-E	2		1	1				↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	11.11.93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AIR BILL # TO NUS LAB PGH FED EX 5735049751	

Order No. 70440 (0693)

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature] / R. FOGERTY

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 OZ W/M GLASS SUBC. PEST/MET PCB	1 L AMBER SVOCs	1L AMBER PEST/PCBs	1 L PE MET + HARDNESS			REMARKS
T3 SD4	11/11/93	0955		✓	T3SD4	1	1						
T4 SD4		1038		✓	T4SD4	1	1						
T5 SD4		1105		✓	T5SD4	1	1						
T5 SD4 D		1105		✓	T5SD4 D	1	1						DUP.
T3 SD3		1130		✓	T3SD3	1	1						
TR RB-03		1400		✓	TR-RB-03	4		2	1	1			RINSATE BLANK 03
T4 SD3		1335		✓	T4SD3	1	1						
T5 SD3		1420		✓	T5SD3	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	11.11.93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AIR BILL # FED EX 5734709595	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible] / R. FOGERTY

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	QT W/M GLASS	8 oz W/M GLASS	QT P.E.				REMARKS
													ENG. PROPERTIES
	11/12/93	0855		✓	T1SD2-E	2	1	1					GRAIN SIZE, MOIS. CONT. SP GR., ORG. CONT CEC
	↓	0930		✓	T1SD1-E	2	1	1					PH & TOC
		1055		✓	T2SD2-E	2	1	1/2	1				RAN OUT OF QT W/M GLASS
	↓	1120		✓	T2SD1-E	2	1	1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	11-12-93 1510	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AIR BILL # FED EX 573504976 2	

Order No. 70440 (0693)

000006

CHAIN C JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): R. FOGERTY

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz W/M STASS SVOC, PEST. MET. PCB	1 L AMBER SVOC	1 L AMBER PEST/PCBs	1 L PE METALS, HARDNESS	FOIL & ZIPLOC BAG		REMARKS
TR RB-04	11/12/93	1000		✓	TR-RB-04	4		2	1	1			RINSATE BLANK #04
T1SD2		0855		✓	T1SD2	1	1						
T1SD1		0930		✓	T1SD1	1	1						
T2SD2		1055		✓	T2SD2	1	1						
T2SD1		1120		✓	T2SD1	1	1						
MW CONTROL		—		✓	MW-CONTROL	2					2		ON DRY ICE - SEPARATE COOLER

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
R. FOGERTY	11.12.93 1510	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AIR BILL # FED EX 5734709610	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S. Conti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 L AMBER (PEST)						REMARKS
RB	11/17/93	1030		✓	W-RB01	2	2						Rinsate Blank - Analyze
RB	11/18/93	0940		✓	W-RB02	2	2						Hold (ie analyze every other rinsate blank.

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
S. Conti	11/18/93 1030	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: TO: SW LAB OK. FED EX AB# 5735049946	

Order No. 70440 (0693)

000008

CHAIN O. USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S. Conte & K. Fogerty of Mentie Cura.

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Foil First - Pest, PCBs, SVOC.	Zip Lock First (Inorganics)		1 L Amber SVOC	1 L Amber Pest/PCBs	1 L PE Inorganics	REMARKS
BV01	11/18/93	1120		✓	BV01	2	1	1					Do ms/msd Bivalve oysters
BVC2	"	1345		✓	BVC2	2	1	1					Hard Shell Clams
BVC3	"	1425		✓	BVC3	2	1	1					Hard Shell Clams
BV03	"	1300		✓	BV03	2	1	1					oysters
BV03	"	1300		✓	BV03-D	2	1	1					oysters.
BV02	"	1200		✓	BV02	2	1	1					oysters.
MU2	"	1303		✓	MU2	2	1	1					Mussels
BVC1	"	1220		✓	BVC1	2	1	1					Hard Shell Clams
MU3	"	1320		✓	MU3	2	1	1					Mussells
MU1	"	1245		✓	MU1	2	1	1					Mussells
BV04	"	1400		✓	BV04	2	1	1					Oysters.
RB	11/17/93	1500		✓	TR-RB05	5				2	2	1	Analyze Thames River RB # 4
RB	"	1530		✓	W-RB03	2					2		Analyze Wetland Rinsate Blank (ODD NUMBER)

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conte	11/17/93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIP TO SW LAB OKLAHOMA. AB# 5735049854 (Analyze Both RB) SEND TODAY.	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S. Conti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1L-AMBER PEST	40ml VOA VOCs	2oz GLASS VOCs	8oz GLASS, SVOC, PEST, PCBs	1-L AMBER SVOCs	1-L AMBER PEST/PCBs	1-L PE INORG TAL MET + BORON	1-L AMBER (DIOXINS)	8oz GLASS DIOXIN	8oz GLASS PEST	8oz GLASS PEST + TCLP	REMARKS
RB(W)	11/20/93	1600		✓	W-RB04	2	2											4th RB Wetlands ~~Analyze even Nos~~ ODD (HOLD)
TB	11/21/93	0800		✓	TB-04	2		2										
2D SD30	"	0840		✓	2D SD30	3			1	2								
2D SD31	"	0845		✓	2D SD31	3			1	2								
2D SD32	"	0855		✓	2D SD32	3			1	2								
RB(D)	"	1100		✓	D-RB01	8		2			2	2	1	1				Analyze 1st RB (ODD) Downstream OBDA
3S D6	"	1115		✓	3SD6	1												
2W SD14	11/18/93	1050		✓	2WSD14	1Δ										1		
2W SD34	11/19/93	1525		✓	2WSD34	1Δ										1		
2W SD38	11/20/93	1420		✓	2WSD38	1Δ										1		
2W SD39	"	1540		✓	2WSD39	1Δ											1	
																		* INORG = TAL METALS + BORON
2W SD40	"	1510		✓	2WSD40	1Δ										1		
2W SD41	"	1340		✓	2WSD41	1Δ										1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conti	11/22/93 1200	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OF OK. AB# 5735049935	(28) BOTTLES

Order No. 70440 (0693)

Δ - BASED ON GC ANDOR PANDONA 604 251 SPLIT TO UNIV FROM WETLAND

0001

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB-NLON

SAMPLERS (SIGNATURE): S. Conti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz Amber	32 oz Amber organic Content	GS/MC/SPGE/CEC/pH				REMARKS
2W SD39	11/21/93	1020		✓	2WSD 39	2	1	1					ENG PARAMETERS (SEDIMENTS)

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
S. Conti	11/22/93 1200	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: TO HNUS LAB AB# 5735049876	

Order No. 70440 (0693)

000011

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): SJ Conte / [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2-40ml VOAs VOCs	1-L Amber SVOCs	1-L Amber PEST/PCBs	1-L PE (TOTAL TAL MET + BORON)	HARDNESS			REMARKS
TB	11/22/93			V	TB-05	2	2							
2D SW9	11/22/93	1045		V	2D SW9	21	6	4	6	3				DO MS/MSD
"	"	1045		V	2D SW9 D	7	2	2	2	1				
2D SW11	"	1140		V	2D SW11	7	2	2	2	1				
2D SW7	"	1405		V	2D SW7	7 ~~5~~	2	2	2	1	~~2~~	SJC 11/22/93		
2D SW10	"	1420		V	2D SW10	7	2	2	2	1				
2D SW32	"	1435		V	2D SW32	7	2	2	2	1				
2D SW30	"	1450		V	2D SW30	7	2	2	2	1				
2D SW31		1500		V	2D SW31	7	2	2	2	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
SJ Conte	11/22/93 1800	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK. AB# 573504973	3 COOLERS TOTAL

Order No. 70440 (0693)

00012

CHAIN O. USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): SJ Conti / [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOCs	1-L Amber PEST	1-L PE (TOTAL) + HARDNESS TAL MET + BORON	1-L PE (DISS) TAL MET + BORON	1-L Amber SVOCs	1-L Amber PEST/PCBs	REMARKS
TB	11/23/93	0740		✓	TB-06	2	2						
2D SW14	"			✓	~~2DSW14~~ SJC	—	—	—	—	—	—	—	NOT TAKEN AS YET
2D SW14	"			✓	~~2DSW14-D~~ SJC	—	—	—	—	—	—	—	AREA WAS DRY.
2W SW11	"	1405		✓	2WSW11	6	2	2	1	1			
2W SW12	"	1430		✓	2WSW12	6	2	2	1	1			
2W SW 2		1450		✓	2WSW 2	8	2		1	1	2	2	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
SJ Conti	11/23/93 1800	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK. 1-COOLER. AB# 5735049740	

Order No. 70440 (0693)

00013

176

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSP - NION

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS
TB	11/30/93	0915		✓	TB-07	2	2						
[illegible]	1	0920		✓	2WSW6	6	2	2	1	1			
[illegible]	↓	1000		✓	2WSW1	6	2	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	11.30.93 1520	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: [illegible] AB # [illegible]	

NUS 440 REVISED 0891

00014

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA	1-L AMBER VOC'S	1 L PE PESTICIDES	1 L PE TOTAL METALS + HARDNESS	1 L PE DISS. METALS + BORON			REMARKS
2DSW	12/1/93	1420		✓	2DSW5	18	6	6	3	3				RUN MS/MSD ALSO
2DSW	"	1420		✓	2DSW5 D	6	2	2	1	1				DUP
TB	"	1230		✓	TB-08	2	2							TRIP BLANK
														— AREA — DOWN STREAM OBDA

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	12-1-93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK AB # 0857385815	

Order No. 70440 (0693)

00015

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB -NLON

SAMPLERS (SIGNATURE):-

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VOCS	1L Ambers PEST	1L PE HARDNESS TOT TAL MET + BORON					REMARKS
TB	12/7/93	1145		✓	TB - 09	2	2							TRIP BLANK
2W SW9	"	1110		✓	2WSW9	5	2	2	1					
2W SW8	"	1120		✓	2WSW8	5	2	2	1					
2D SW4	"	1425		✓	2DSW4	5	2	2	1					
2D SW2	"	1500		✓	2DSW2	5	2	2	1					
2D SW3	"	1515		✓	2DSW3	5	2	2	1					
2D SW15	"	1545		✓	2DSW15	5	2	2	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	12/2/93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SUD LAB OK NB# 0957305011	

NUS 440 REVISED 0891

000016

CHAIN C)JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S. Conti / [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-L AMBER DIOXINS	40 ml VOAs	1-L Amber SVOCs	1-L Amber Pest/PCBs	1-L PE - TOTAL TAL MET + BORON	2 oz GLASS VOCs	8 oz GLASS TAL MET + BORON + SVOCs	8 oz GLASS - PEST 8082 - PEST/PCBs TAL MET + BORON + SVOCs	REMARKS
RB	12/3/93	1700		V	L-RB01	1	1								
TB	12/4/93	0830		V	TB-11	2		2							
RB	"	0905		V	RF-RB01	7		2	2	2	1				
OB DANE	"	0925		V	14SS3	2						1	1		
A-86	"	1355		V	4SS7	2						1		1	
A-86	"	1412		V	4SS6	4 ~~2~~						2		2	Do MS/MSD
A-86	"	"		V	4SS6-D	2						1		1	
A-86	"	1405		V	4SS9	2						1		1	
A-86	"	1418		V	4SS5	2						1		1	
A-86	"	1421		V	4SS4	2						1		1	
A-86	"	1425		V	4SS8	2						1		1	
A-86	"	1435		V	4SD1	2						1		1	
A-86	"	1450		V	4SD2	2						1		1	
A-86	"			V	4SS10	2						1		1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
S. Conti	12/6/93 1500	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OKLAHOMA AB# 0857386294	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): SJ Conti / [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-8 OZ GLASS CHLOR. DIOXINS	40 ml VIAL VOCS	1 L Amber SVOC	1 L Amber PEST/PCBS	1 L PE - HARDNESS TOTAL MET + BORON	1 L PE - HARDNESS DISSOLVED MET + BORON	1 L Amber PEST ONLY	Bottle Count (✓)	REMARKS
2LTB 13	12/3/93	0850		✓	2LTB13-0001	1	1								Sample 0-1'
2LTB 23	"	1116		✓	2LTB23-0406	1	1								Sample 4'-6'
2W SW7	12/5/93	0824		✓	2WSW7	6		2			1	1	2	✓	
2W SW10	"	0838		✓	2W SW10	5		2			1		2	✓	
4 SW2	"	0844		✓	4SW2	8		2	2	2	1	1		✓	
4 SW2	"	"		✓	4SW2-D	8		2	2	2	1	1		✓	
4 SW-2 1	"	0857		✓	4SW~~2~~ 1 KS 12-5-93	7		2	2	2	1				4SW1
2D SW14	"	0930		✓	2DSW14	5		2			1		2		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
SJ Conti	12/6/93 1900	FED EX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW OF OKLAHOMA AB# 0857386294	

Order No. 70440 (0693)

000018

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): K. FOGARTY, J. FRESHMAN

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VOC's	FOIL FIRST - VOC's SVOC, PEST, PCB ZIPLOCK FIRST (INORGANICS)					REMARKS
TB	12/3/93	0900		✓	TB-10	2	2						
CMU 5	"	1019		✓	CMU5	2		1	1				
CMU 5	"	1019		✓	CMU5-R	2		1	1				
CMU 1	"	1100		✓	CMU1	2		1	1				
CMU 1	"	1100		✓	CMU1-R	2		1	1				
CMU 4	"	1200		✓	CMU4	2		1	1				
CMU 4	"	1200		✓	CMU4-R	2		1	1				
CMU 3	"	1225		✓	CMU 3	2		1	1				
~~CMU 3~~	~~"~~	~~1225~~		~~✓~~	~~CMU3-R~~	~~2~~		~~1~~	~~1~~				no replicate on this sample N/A
CMU 2	"	12:45		✓	CMU2	2		1	1				
CMU 2	"	12:45		✓	CMU2-R	2		1	1				
MU-C	12/6/93	9:00		✓	MU-C (control)	2		1	1				
MU-CD	12/6/93	9:00		✓	MU-CD (control dupe)	2		1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Katherine A Fogarty	12/6/93 1700	Fed Ex			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
		~~Fed Ex~~			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OKL. AB# 0857385830	

Order No. 70440 (0693)

000019

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSD - NION

SAMPLERS (SIGNATURE): [illegible] / SJC

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOC	1 L AMBER SVOC	1 L AMBER PEST, PCB	1 L PE TOTAL METALS BORON + HARDNESS	2 oz GLASS VOC	8 oz GLASS PEST, PCB, SVOC TAL MET + BORON	8 oz GLASS TCLP	1 L PE DISSOLVED TAL MET + BORON	1 L AMBER TOC	1 L AMBER COD, T. PHOSP, AMMONIA	1 L PE TSS, BOD	REMARKS: ENG. PROJ.	ENG. PROJ.	ENG. PROJ.	
TB	12/6/93	0900		✓	TB-12	2	2														
RB	↓	0915		✓	GC-RB01	7	2	2	2	1											
GOSS COVE	↓	0850		✓	8MW2D-0103	3					1	1	1								
GOSS COVE	↓	0905		✓	8MW2D-0507	2					1	1									
GOSS COVE	12/7/93	1100		✓	8SW4	36	6	6	6	3				3	2	6	3				+ MS/MSD
GOSS COVE	↓	1100		✓	8SW4-D	12	2	2	2	1				1	1	2	1				DUP
GOSS COVE	↓	1115		✓	8SD4	6					3	3									+ MS/MSD
GOSS COVE	↓	1115		✓	8SD4-D	2					1	1									DUP

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	12-7-93 1700				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK AB# 0957385863	

Order No. 70440 (0693)

000020

CHAIN O. STODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	BOE Amber GL.	ORGANIC CONTENT	32 OZ AMBER GL	GS/MC/SPGR/TOC/PH				REMARKS
4 SD2	12/5/93	0840		✓	4SD2	2	1	1						Eng Parameters For SD
4 ~~SD2~~ 1C5	"	0855		✓	~~4SD2~~ 12.5.93 4SD1	2	1	1						" " " "
SD 1														
GOSS COVE	12/6/93			✓	8MW2D - 0507	2	1	1						" " " "
GOSS COVE	"	0850		✓	8MW2D - 0103	2	1	1						" " " "
GOSS COVE	12/7/93	1115		✓	~~8SW4~~ 12.7.93 8SD4	1C ~~3~~ 6	3	3						" " " "
GOSS COVE	"	1115		✓	~~8SW4-D~~ 8SD4-D	2	1	1						" " " "

ATSC MS/MSD OHT

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
SConti	12.7.93 ~~12/6/93~~ 1630	FED EX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: TO HNUS LAB AB# 1146613322	

Order No. 70440 (0693)

00021

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOC's	2 oz GLASS VOC's	8 oz GLASS, SVOC's, Inorg's, TOTAL MET. + BOD, PESTICIDES	1-L Amber SVOC's	1L Amber PEST/PCB's	1L PE TOTAL MET. + BOD	TCLP 8oz jars	REMARKS
TB	12/7/93	07:30		✓	TB-13	2	2							
RB	"	17:00		✓	GC-RB02	7	2			2	2	1		Hold RD even no.
8MW 6S	"	14:42		✓	8MW6S-0406	2		1	1					
RB	12/8/93	17:15		✓	GC-RB03	7	2			2	2	1		over 3" spoon Analyze odd numbered RB
8MW 6D	12/8/93	08:12		✓	8MW6D-0103	2		1	1					
8MW 6D	12/8/93	08:24		✓	8MW6D-0406	3		1	1				1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Paul Dani	12/9/93 1045	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OKL.	
		[illegible]	12/10/93 0900	AB # 0857385874 & 0857385885	

Order No. 70440

77

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB-NLON

SAMPLERS (SIGNATURE): Paul Dann

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-90z GLASS Amber ORG CONTENT	32 oz Amber GS/MC/SPGE/TOC/PH						REMARKS
8MW 6S	12/9/93	1442		✓	8MW6S-0406 ✓	2	1	1						
8MW 6D	12/8/93	0824		✓	8MW6D-0406 ✓	2	1	1						
8MW 7S	12/9/93	1509		✓	8MW7S-1416 ✓	2	1	1						Limited Quantity Sample

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Paul M. Dann	12/9/93 1815	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO HNUS LAB AB# 573504 9773	

Order No. 70440 (0693)

00023

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible] / Paul Dan

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL VOA	2 oz Glass VOCs	8 oz Glass VOCs (TAL Met & Bor)	1-L Amber SVOCs (EPA)	1-L Amber Pest/PCBs	1-L PE TAL Met & Boron	TCLP 8 oz Glass	REMARKS
TB	12/9/93	0800		✓	TB-14 ✓	2	2							
RB	12/9/93	1600		✓	GC-RB04 ✓	7	2			2	2	1		Hold RB even No.
8MW 75	12/9/93	1342		✓	8MW75-0002 ✓	2		1	1					
8MW 75	12/9/93	1509		✓	8MW75-1416 ✓	3		1	1				1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Paul Dan	12-9-93 1615	Fed Ex			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to SW Lab Okla. AB# 0857385896	

Order No. 70440 (0693)

00024

Shipping

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): Paul M. Davis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA	2 oz Glass VOC's	8 oz Glass VOC's	1-L Amber SVOC's (TAL Met & Boron)	1-L Amber SVOC's	1-L amber Pest/PCB's	1-L VE	TAL Met & Boron	8 oz Glass TCLP	8 oz Glass Dioxin	REMARKS
TB	12/10/93	0730		✓	TB-15	2	2										
RB	12/10/93	1600		✓	GC-RB05	7	2			2	2	1					Hold RD even no.
8MW 85	12/10/93	0826		✓	8MW85-0002	2	~~X~~	1	1								
8TB 5	12/10/93	1046		✓	8TB5-1416	4	~~X~~	1	1					1	1		
8TB 5-D	12/10/93	1046		✓	8TB5-1416-D	4		1	1					1	1		Duplicate
8TB 4	12/10/93	1435		✓	8TB4-0406	3		1	1					1			
8TB 4	12/10/93	1422		✓	8TB4-0525	2		1	1								
8TB 6	12/10/93	1333		✓	8TB6-0809	4		1	1					1	1		
8TB 6	12/10/93	1248		✓	8TB6-0002	2		1	1								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Paul M. Davis	12/10/93 1800	Fed Ex.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to SW Lab Okla. AB # 0857385.900 ~~0857385.900~~ AMO 121093	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Paul M. Dari

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml. VOA	2 oz. Glass VOC's	8 oz. Glass SVOC's (TAL MET & Bor.)	1-L Amber SVOC's Pest/PCB	1-L Amber Pest./PCB's	1-L PE TAL MET & boron	8 oz. Glass TCLP	REMARKS
TB	12/11/93	0730		✓	TB-16	2	2							
RB	12/11/93	1700		✓	GC-RB06	7	2			2	2	1		Hold RB even no.
8TB 10	12/11/93	0935		✓	PMD 12/11/93 8TB10-1820	2		1	1					
8TB 8	12/11/93	1050		✓	8TB8-0.5 2.5	2		1	1					
8TB 8	12/11/93	1124		✓	8TB8-1012	3		1	1				1	
8MW 5S	12/11/93	1425		✓	8MW5S-0103	3		1	1				1	
8TB 7	12/12/93	1033		✓	8TB7-0406	2		1	1					
8TB 9	12/12/93	1340		✓	8TB9-0406	3		1	1				1	
~~TB~~	~~12/12/93~~	~~0730~~		✓	~~TB-17~~ KS 12-13-93	~~2~~	~~2~~							
RB	12/12/93	1630		✓	GC-RB07	7	2			2	2	1		ANALYZE ODD NO ~~Hold RB even no.~~ JC 12/13/93

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	12-13-93 1700	FED EX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to SW Lab Okla. AB # 0857385922	

Order No. 70440 (0693)

000026

CHAIN O. JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Paul Dain

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-8oz Glass Amber OAS Content	32-oz. Amber GS/MS/SPGR/TOC/pH	CEC/					REMARKS
8mw 85	12/10/93	0826		✓	8MW85-0002	2	1	1						
8mw 55	12/11/93	1425		✓	8MW55-0103	2	1	1						
GOSS COVE	12/14/93	1410		✓	85W5	2	1	1						
GOSS COVE	12/14/93	1330		✓	85W6	2	1	1						1

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	12-14-93/1640	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to HNUS Lab AB # 1146612854	

Order No. 70440 (0693)

00027

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB- NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOA	2 oz GLASS VOC	8 oz GLASS, TOTAL MET + BORON	1 L AMBER SVOC, PCB, PES	1 L AMBER PEST, PCB	1 L Pz TOTAL TAL MET + B	1 L AMBER HARDNESS CUD, T, PHOSP, AMMONIA	1 L ABBER O&G	1 L AMBER TSS BOD	REMARKS
GOSS COVE	12/13/93	0804		✓	8TB11 0002	2		1	1							
GOSS COVE	12/13/93	1414		✓	8TB12 0507	2		1	1							
TB	12/13/93	0715		✓	TB-18	2	2									
RB	12/13/93	0730		✓	GC-RB07	7	2			2	2	1				RINSATE BLANK
RB	12/14/93	0725		✓	GC-RB08	11	2			2	2	1	1	2	1	RINSATE BLANK
TB	12/14/93	0735		✓	TB 19	2	2									
GOSS COVE		1320		✓	8SW6	11	2			2	2	1	1	2	1	
GOSS COVE		1330		✓	8SD6	2		1	1							
GOSS COVE		1400		✓	8SW5	11				2	2	1	1	2	1	
GOSS COVE		1410		✓	8SD5	2		1	1							
8TB 13	12/14/93	0824		✓	8TB13-0406	2		1	1							
8TB 14	12/14/93	1111		✓	8TB14-1214	2		1	1							
8TB 15	12/14/93	1401		✓	8TB 15-1113	2		1	1							
8TB 14-D	12/14/93	1111		✓	8TB14-1214-D	2		1	1							Duplicate

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	12-14-93 1640	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK AIRBILL # 0857385933	

Order No. 70440 (0693)

000028

CHAIN C JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 8 oz GLASS AMBER ORG. CONTENT	32 oz AMBER GLASS/SP GRI TOC/PH	CEC/				REMARKS
GOSS COVE	12/15/93	0930		—	8SD2	2	1	1					
GOSS COVE	↓	1000		—	8SD3	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	12·15·93 1640				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO HNUS LAB AB# 1146612865	

Order No. 70440 (0693)

000029

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAS	2 oz GLASS VOC	8 oz GLASS - SVOC PCB, PEST TAL MET. + BORON	1 L AMBER SVOC	1 L AMBER PEST PCB, HARDNESS	1 L PE TOTAL TAL MET. + BOR	1 L AMBER TOC, COD, T. PHOSP., AMONIA	1 L AMBER O&G	1 L PE TSS	8 oz GLASS BOD	8 oz GLASS TCLP	REMARKS
TB	12/15/93	0800		✓	TB-20	2												
RB	↓	0815		✓	GC-RB09	11	2			2	2	1	1	2	1			
GOSS COVE	↓	0925		✓	8SW2	11	2			2	2	1	1	2	1			
GOSS COVE	↓	0930		✓	8SD2	2		1	1									
GOSS COVE	↓	0955		✓	8SW3	11	2			2	2	1	1	2	1			
GOSS COVE	↓	1000		✓	8SD3	3		1	1							1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	12.15.93 1640	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OK. ABF 0857385944	

Order No. 70440 (0693)

000000

CHAIN C STODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): K. FOGARTY / SJ Conti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOCs	1-L AMBER SVOCs	1-L AMBER PEST + HARDNESS	1-L PE TOT TAL MET + BORON	1-L PE - DISS TAL MET + BORON		REMARKS
TB	12/17/93	0800		✓	TB-21	2	2						~~HEAMERER~~
8SW1 SURFACE		1002		✓	8SW1S (SURFACE)	8	2	2	2	1	1		
8SW1 BOTTOM		1035		✓	8SW1B (BOTTOM)	8	2	2	2	1	1		
T3SW3 SURFACE		1125		✓	T3 SW3S (SURFACE)	7	2	2	2	1			
T3SW3 BOTTOM		1130		✓	T3 SW3B (BOTTOM)	7	2	2	2	1			
~~T3~~ T3SW 1AS		1330		✓	T3 SW1AS	23	5 ~~4~~	6	6 ~~5~~	3	3		DO MS/MSD
T3SW 1AS-D		1330		✓	T3 SW1AS-D	8	2	2	2	1	1		
T3SW 1AB		1415		✓	T3 SW1AB	7	2	2	2	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
SJ Conti	12/17/93 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OK. ABL 0857385955	

Order No. 70440 (0693)

001331

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): M. Tounsey, J. Conte for

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-Liquid VOCs	1-L Aqueous SVOCs	1-L Aqueous PCBs + Pesticides	1-L pe Total Metals + Cyanide	1-L pe Total Metals	REMARKS
TB	12/17/93	1430		✓	TB-22	2	2					
T3SW2S	12/17/93	1455		✓	T3SW2S	7	2	2	2	1		
T3SW2B	12/17/93	1455		✓	T3SW2B	7	2	2	2	1		
T3SW1BS	12/17/93	1530		✓	T3SW1BS	7	2	2	2	1		
T3SW1BB	12/17/93	1540 1532		✓	T3SW1BB	7	2	2	2	1		
T3SW1BB-D	12/17/93	1540 1532		✓	T3SW1BB-D	7	2	2	2	1		
6SW1S	12/17/93	1612		✓	6SW1S	8	2	2	2	1	1	
6SW1B	12/17/93	1612		✓	6SW1B	8	2	2	2	1	1	
2DSW13	12/17/93	1715		✓	2DSW13	7	2	2	2	1		Water only 5' 2 up Hose
RB	"	1740		✓	TR-RB06	8	2	2	2	1	1	
T3SW1	12/17/93	2345		✓	T3SW1	7	2	2	2	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
J. Conte	12/18/93 1100	FED EX			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
	12/18/93				
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:** SENT TO [illegible] LABS [illegible] AA [illegible] 0857 [illegible] 166 (4 COLFPS)	

NUS 440 REVISED 0891

CHAIN OF CUSTODY RECORD

Project No.	Project Name:	PROJECT LOCATION:
3142.2	Thames River	NSB-NLON, Groton, CT

DATE: 12/18/93

SAMPLERS: K. Fogarty, T. Jamnke

MENZIE-CURA & ASSOCIATES, INC.
1 COURTHOUSE LANE, SUITE 2
CHELMSFORD, MA 01824
TEL: 508/453-4300 FAX: 508/453-7260

For Halliburton NUS

ANALYSES REQUIRED

SAMPLE ID	Date	Time Comp.	Grab	Station Locations	No. of Containers	SVOCs, PCBs, Pesticides	inorganics				NOTES
MU-4	12/18	10:00		mussel tissue	2	1	1				shipped on dry ice.
MU-5	12/18	11:00		mussel tissue	2	1	1				" "
MU-6	12/18	11:20		mussel tissue	2	1	1				" "

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Katherine A. Fogarty	12/20/93	12:15	Fedex # 0857385841		
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time

Remarks: Samples packaged per instructions from laboratory.

Laboratory: Southwest Lab of OK

Phone: 918-251-2858

Contact Person: Daryl Alstatt

PAGE 1 OF 1

000033

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NCON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOA	1 L AMBER VOC'S	1 L AMBER 5 VOC	1 L PE PEST PCB, HARDNESS	1 L PE TOTAL MET. + BORON	TAL MET + BORON	2 OZ GLASS DISS	8 OZ GLASS VOC	8 OZ GLASS - TOTAL TAL METALS BORON PEST, PCB	DIOXIN	DIOXIN 8 OZ GLASS	DIOXIN 32 OZ GLASS	REMARKS
WT NONS CTR.	12/19/93	0920		—	2WCSW3	8	2	2	2	1	1								
WE NONS CTR	12/19/93	0934		—	2WCSW5	7	2	2	2	1									
TRIP BLANK	12/19/93	0900		—	TB-23	2	2												
DRMO RB	12/20/93	1300		—	DRMO-RB01 12.29 KS	#8	2	2	2	1						1			
DRMO	12/21/93	0920		—	6MW2D0406	2							1	1					
NONS AREA A		1400		—	2WCSD5								1	1					
NONS AREA A		1425		—	2WCSD4								1	1					
" AREA A		1435		—	2WCSD7								1	1					
" AREA A		1445		—	2WCSD11								1	1	1				
BUNKER A-86		1500		—	4SD2	2							1	1					SECOND SAMPLING ROUND

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	12.20.93 1640				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LABS AB # 0857385970	

Order No. 70440 (0693)

000034

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-L AMBER SVOC	1-L PB TOTAL MET. & 02 GLASS	SUM. TOT. TAL MET. 1 GLASS				REMARKS
WEAPON CTR	12/21/93	1058		✓	2WCSD8	1			1				
WEAPON CTR		1104		✓	2WCSD9	1			1				
WEAPON CTR		1111		✓	2WCSD12	1			1				
WEAPON CTR		1132		✓	WC-RB-02	3	2	1					
WEAPON CTR		1321		✓	2WCSD14	1			1				
WEAPON CTR		1325		✓	2WCSD14D	1			1				
WEAPON CTR		1333		✓	2WCSD15	1			1				
WEAPON CTR		1351		✓	2WCSD13	1			1				
WEAPON CTR		1410		✓	2WCSD6	1			1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	12/21/93 1640	FEDEX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LABS, OK AB# 0857385981	

NUS 440 REVISED 0891

00035

93

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 8oz GLASS NUMBER ORG. CONTENT	32 oz GLASS NUMBER (S/MS/SP.GR/TOC/PH)						REMARKS
WEATHERS CTR.	12/20/93	1400		—	2WCSD5	2	1	1						
WEATHERS CTR.	↓	1445		—	2WCSD11	2	1	1						
BUNKER A-86	↓	1500		—	4SD2	2	1	1						← 2ND ROUND AS PER SAP

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	12-21-93 1650				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO ANUS LAB AB# 1146612980	

Order No. 70440 (0693)

00036

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB - NLON

SAMPLERS (SIGNATURE): D. Kilmartin

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 202 GLASS AMBER	ORG. CONTENT 32 oz 2 GLASS AMBER GLASS/SP. GR/TOC/PH						REMARKS
DRMO	1/5/94	1915		—	GMW3D-0406	2	1	1						
TORPEDO SHOP	1/6/94	0850		—	7SD2	2	1	1						
TORPEDO SHOP	1/6/94	1000		—	7SD3	2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
D. Kilmartin	1/6/94 1300	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO A NUS LABS	
			1-6-94 1600	FED EX A.B.# 1146613252	

Order No. 70440 (0693)

000037

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOC's	1 L AMBER SVOC	1 L AMBER PEST. PCB's	1 L PE, TOTAL METALS + BORON	2 oz GLASS VOC	8 oz GLASS, SVOC, TEST, PCB'S TOTAL METALS + BORON	8 oz GLASS SVOC & TOTAL METALS + B	REMARKS
DRMO	1/5/94	1100		✓	TB-24	2	2							
DRMO	1/5/94	1115		✓	DRMO - RB02	7	2	2	2	1				
DRMO	1/5/94	14:15		✓	GMW3D-0406	2					1	1		
TORPEDO SHOP	1/6/94	0850		✓	7SD2	2					1	1		
"	1/6/94	0945		✓	7SW1	7	2	2	2	1				
"	1/6/94	1000		✓	7SD3.	2					1	1		
"	1/6/94	1120		✓	TORPEDO SHOP-RB01	7	2	2	2	1				
GENRNS CTR	1/6/94	1350		✓	2WCSD10	1							1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	1/6/94 1300	FEDERAL EXPRESS AIRBILL # 0857385992			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS OK	
			1-6-94 1700	FED EX AIRBILL # 0857385992	

Order No. 70440 (0693)

000038

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOA MOCS	1-L AMBER SVOC	1-L PB TOTAL TAL METALS + BORON	1-L PE DISS TAL METALS + BORON	1-L HDPE RADIOLOGICAL	2-OZ GLASS VOC	5-OZ GLASS-SVOC, PEST, PC TOTAL TAL METALS + BORON	REMARKS
DRMO	1/11/94	1100		✓	TB-25	2	2							TRIP BLANK RB 25
DRMO	1/11/94	1130		✓	DRMO-RB03		2	2	1	1	2			
DRMO	1/11/94	1400		✓	6GW1S		2	2	1	1				
DRMO	1/11/94	1420		✓	6GW2S		2	2	1	1				
GOSS COVE	1/11/94	1455		✓	8GW2S		2	2	1	1				
GOSS COVE	1/11/94	1515		✓	8GW3		2	2	1	1				
GOSS COVE	1/11/94	1540		✓	8GW4		2	2	1	1	2			
GOSS COVE	1/11/94	1540		✓	8GW4-D		2	2	1	1	2			
DRMO	1/11/94	1230		✓	6MW7S-0709	2						1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1/11/94 1600	FEDEX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS FEDEX AIRBILL # 0857 386003	

Order No. 70440 (0693)

00039

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9519

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC 1-1 HCL	SVOC 1 1 pt TOTAL METALS	1 Boron	3-oz GLASS VOC	1-1 AMBER TPH	1 1 GLASS PEST PCBs	1 8 oz GLASS W/N SVOC, METALS, PEST, PCB, TPH	REMARKS
DRMO	1/10/94	08:00		✓	DRMO-RB04	7	2	2	1			2		
CBU	1/11/94	08:00		✓	CBU-RB05	8	2	2	1		1	2		
TB	1/10/94	08:00		✓	TB-26	2	2							
CBU	1/12/94	0955		✓	ITB3-0002	2				1			1	
CBU	1/12/94	1055		✓	ITB3-0507	2				1			1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1-12-94 1300	FEDERAL EXPRESS AIRBILL # 0857386014			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS OR	

Order No. 70440 (0693)

000040

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOA - VOCs	1-L Pesticide SVOCs	1-L PB TOT. METALS + BRASS	1-L Pesticide PCBs	1-L Pesticide TPH	1-8 oz GLASS VOAS	1-8 oz GLASS SVOCs, POST, PCB, TOT. TAL TP	1-8 oz GLASS SVOCs, POST, PCB, TOT. TAL MET	1-8 oz GLASS SVOCs, TOT. TAL METALS + Bu	REMARKS
CBU	1/18/94	0500		✓	CBU-RB06	8	2	2	1	2	1					
TB		0800		✓	TB-27	2	2									
CBU		0943		✓	1TB1-0002	2						1	1			
CBU		0923		✓	1TB1-0608	2						1	1			
WC		1131		✓	2WCTB1-0002	2						1		1		
WC		1255		✓	2WCTB4-0204	2						1		1		
ACID STORAGE		1322		✓	15MW4S-0103	2						1		1		
WC	✓	1355		✓	2WCMW1S-0002	2						1			1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1/19/94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS, OK FED EX AIRBILL # 0857386025	

Order No. 70440 (0693)

0041

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): JIM FERGERSON / [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION KS 1-20-94	NO. OF CONTAINERS	1 8 oz AMBER ORG. CONTENT	1 32 oz AMBER GS/MS/SP.GR/TOC/PH						REMARKS
WEAPONS CTR	1/19/94	1550		—	2WCTB[illegible]5-0608	2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	1-27-94	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO HNUS LAB FED EX AIR BILL # 1146613230	

Order No. 70440 (0693)

00042

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOA VOCs	1-2 oz GLASS VOCs	1-8 oz GLASS SVOCs, PEST, PCBs, TOT. TAL MOIST.	1-L AMBER SVOCs	1-L AMBER PEST. PCBs	1-L PE TOT. TAL MOIST.	1 8 oz GLASS SVOC	1-L TAL MOIST. 1 8 oz	1-L AMBER TOC	1-8 oz GLASS TOC	REMARKS
TB	1/19/94	0800		✓	TB-28	2	2										
WEAPON CTR		0800		✓	WC-RB03	7	2			2	2	1					
WEAPON CTR		1015		✓	2WCTB7-0810	2		1	1								
WEAPON CTR		1130		✓	2WCTB3-0406	2		1	~~1~~ KS				1				
WEAPON CTR		1315		✓	2WCTB2-0002	2		1	1								
WEAPON CTR		1315		✓	2WCTB2-0002-D	2		1	1								DUP
WEAPON CTR	↓	1550		✓	2WCTB5-0608	3 ~~2~~ KS		1					1			1	
WEAPON CTR	1/20/94	0800		✓	WC-RB04	KS ~~8~~ 7	2			2	2	1		KS ~~1~~			
SPENT ACID		1324		✓	15MWIS-0607	2		1	1								
WEAPON CTR	↓			✓	2WCTB6-0810	2		1					1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	1/20/94	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS FED-EX AIRBILL # 0857386036	

Order No. 70440 (0693)

00043

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOA	1-L amber SVOCs	1-L amber PESTS, PCBs	1-L PE TOT. TAL MET. (BOR)	1-202 glass VOCs	1-808 glass SVOCs, PEST, PCBs	TOT. TAL M. + BORON	REMARKS
TB	1/21/94	0500		✓	TB-29	2	2							
SPENT ACID	1/21/94	1500		✓	SA-RB01	7	2	2	2	1				
SPENT ACID	1/21/94	1108		✓	15MW3S-0204	2					1	1		
SPENT ACID	1/21/94	1450		✓	15MW2S-0.5-2.5	2					1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1/22/94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS FED EX AIRBILL # 0857386040	

Order No. 70440 (0693)

000044

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-L PB LEAD	1-L AMBER TPH	8 OZ GLASS TOLP (MET. ONLY) LEAD, TPH	2 OZ GLASS (LEAD)	6 OZ GLASS TOLP (ORG. ONLY)	8 OZ GLASS LEAD, TPH	8 OZ GLASS TPH ONLY	REMARKS
LIWOR BASE	1/22/94	0800		✓	LB-RB01	2	1	1						
	1/22/94	0945		✓	13TB12-0406	1			1					
	1/22/94	1205		✓	13TB3A-2.54.5	2					1	1		
	1/22/94	1205		✓	13TB3A-2.54.5D	1			1					DUP OF 13TB3A-2.54.5
	1/22/94	1300		✓	13TB4A-0002	2			1	1				DO LEAD ON BOTH XRF
	1/22/94	1407		✓	13TB7-0103	1			1					
	1/22/94	1520		✓	13TB5A-1.53.5	2			1	1				DO LEAD ON BOTH XRF
	1/22/94	1604		✓	13TB2A-0406	2			1	1				DO LEAD ON BOTH XRF
	1/22/94	1694		✓	13TB2A-0608	1							1	
	1/23/94	0910		✓	13WE4A-0002	1			1					
	1/23/94	1417		✓	13TB6-0507	1			1					
	1/23/94	0932		✓	13TB12-0204	1				1				XRF
	1/22/94	~~1000~~ 0949		✓	13TB12-0608	1				1				XRF
↓	1/22/94	1220		✓	13TB3A-0608	1				1				XRF

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1/24/94 1500	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS FED EX AIRBILL # 0857386051	

Order No. 70440 (0693)

00045

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1- 8 oz AMBER JT TOT. ORG. CARBON	1- QT AMBER JT pH, TOC GRAIN, PARTICL. SIZE, LEC						REMARKS
LOWER BASE	1-22-94	1600		✓	13TB5A-13.5 to 15.5	2	1	1						
LOWER BASE	1/24/94	1357		✓	13TB8-0305	2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	1-25-94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX AIRBILL # 1146613215	

Order No. 70440 (0693)

000046

CHAIN C JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-8oz GLASS TOTAL PB/PLOMB+METALS	1-L PE LEAD	1-L AMBER GLASS TPH	1-8oz GLASS TCLP METALS ONLY	LEAD, TPH		REMARKS
LOWER BASE	1/23/94	1220		✓	13TB3A-0608	1	1						
	1/24/94	0880		✓	LB-RB02	2		1	1				
		0842		✓	13TB11-0406	1				1			
		1101		✓	13TB9-0103	1				1			
		1345		✓	13TB8-0103	1				1			
		1600		✓	13TB16-0204	1				1			
		1627		✓	13TB16-0810	1				1			
	1/25/94	0947		✓	13TB17-0406	1				1			
	1/25/94	0956		✓	13TB17-0608	1				1			
	1/26/94	0800		✓	LB-RB03	2		1	1				
	1/25/94	1324		✓	13TB15-0305	1				1			
	1/25/94	1342		✓	13TB15-0709	1				1			
	1/26/94	0842		✓	~~LB-RB~~ 13TB13-0305	1				1			13TB13-0305
		0904		✓	13TB13-0911	1				1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	1/26/94 1600				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SWLABS, OIC FEDEX AIRBILL # 085738 6073	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA, 40 ml	SVOC, 1 qt AMBER	TOTAL METALS 1 L PE	DIS. TAL METALS + BORON 1 L PE			REMARKS
AREA A	1/23/94	0800		✓	AREA A RB-01	6	2	2	1	1			
		0800		✓	TB-30	2	2	~~2~~	~~1~~	~~1~~	125 1/24/94		
		0915		✓	2DGW29S	6	2	2	1	1			
		0955		✓	2DGW30S	6	2	2	1	1			
		1103		✓	2DGW25S	6	2	2	1	1			
		1405		✓	2DGW25D	18	6	6	3	3			RUN ALSO MS/MSD
		1418		✓	2LGW19S	6	2	2	1	1			
		1500		✓	2LGW20S	6	2	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	1.24.94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX AIR BILL # 085738605 1	

Order No. 70440 (0693)

000048

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml-VOCs	1-L AMBER SVOAs	1-L PE TOTAL TAL MET.+BORON	1-L PE DISS. TAL MET.+BORON	1-L PE RADIOCHEM.	1-8oz GLASS TAL PEST. ONLY	REMARKS
AREA A	1/25/94	1800		✓	TB-31	2	2						
		0800		✓	AREA A RB-02	7	2	2	1	1	1		
		1500		✓	2LGW7S	7	2	2	1	1	1		
		1600		✓	2LGW9S	6	2	2	1	1			
	1	1640		✓	2LGW13S	6	2	2	1	1			
	1/26/94	0718		✓	2LGW8S	6	2	2	1	1			
	~~1/26/94~~	~~0800~~		~~✓~~	~~TB-3~~ HS 1-26-94								
DUPLICATE	1/26/94	1042		✓	13MW18-0911	1						1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	1/26/94 1600				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS, OK FEDEX AIRBILL# 0857386073	

Order No. 70440 (0693)

00049

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-L PE LEAD	1-L AMBER TPH	1-8OZ GLASS ALKALINITY/NITRATE				REMARKS
VOWGR BASE	2/1/94	0800		✓	LB-RB03	2	1	1					
ONSITE BASE		1108		✓	13TB18-0103	1			1				
					13								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	2/2/94 1500	FEDEX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS, OK FEDEX AIRBILL #	

Order No. 70440 (0693)

000050

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: ASB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ML VOA VOCs	1-L Amber SVOCs	1-L Amber Pest. PCBs	1-L PE TOT. TAL metals + Boron	1-3 oz Glass VOCs	1-8 oz Glass SVOC, Pest, PCB, TOT. TAL metals	1-8 oz Glass TCLP (METALS ONLY)	REMARKS
TB	7/1/94	0800		✓	TB-32	2	2							
A86	"	1800		✓	A86-RB01	7	2	2	2	1				
A86	"	1502		✓	4MW3S-0002	2					1	1		
A86	"	0937		✓	~~73~~ 4TB1-0406	3					1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	7/1/94 1500	FEDEX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS OK FEDEX AIRBILL # 0657386084	

Order No. 70440 (0693)

000051

CHAIN OF CUSTODY RECORD

PROJECT NO.: 4594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOA VIALS	1-L AMBER SVOCs	1-L AMBER PAHs, PESTS	1-L PE TOT. TAL MET + B	3 OZ GLASS VIALS	3 OZ GLASS SVOCs, PESTS, PAHs, TOTAL MET + B	REMARKS
TRIP BLANK	2/2/94	0800		✓	TB-33	2	2						
A86	2/2/94	0800		✓	A86-RB02	7	2	2	2	1			
A86	2/2/94	1518		✓	4MW25-0204.5	2					1	1	
A86	2/3/94	0800		✓	A86-RB03	7	2	2	2	1			
A86	2/3/94	1452		✓	4MW15-0204.8	2					1	1	
2LG	2/4/94	1045		✓	2LGW15-X	4	2	2					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2-4-94 1600	FEDEX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS OIC FEDEX AIRBILL # 0857386095	

Order No. 70440 (0693)

000052

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-8oz Amber TOL-DIOX ANALYSIS	1-8oz Amber pH TOC GRAIN SIZE ANALYSIS						REMARKS
LOWOR BASO	2/1/94	09/02		✓	4MW3S-0002	2	1	1						
LOWOR BASO	2/2/94	15/10		✓	4MW2S-0204.5	2	1	1						
TORP. SHOP	2/6/94	13/40		✓	7MW8S-0408	2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	2/8/94 1500	FEDEX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO PITTS. LAB FED EX AIRBILL # 1146613193	

Order No. 70440 (0693)

00053

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: ASB-NCON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOAs	1-L Amber SVOCs	1-L Amber PEST./PCBs	1-L PG TOT. TAL INORG + B	1-L Amber TPH	1-20oz Glass VOCs	1-8oz Glass SVOCs, PEST./PCBs	1-8oz Glass TOTAL	1-8oz Glass TPH	1-8oz Glass SVOCs	1-8oz Glass TOT. INORG. + B	1-8oz Glass TPH	REMARKS
TRIP BLANK	2/6/11	0800		✓	TB-36	2	2												
TORP. SHOPS	↓	0800		✓	TS-RB01	8	2	2	2	1	1								
		1030		✓	7MW9S-0608	3						1				1	1		MS/MSD
		1340		✓	7MW8S-0408	4						1	1	1	1				OIL BY FLUORES.
	↓	1600		✓	7TB14-0507	3						1				1	1		
	↓	1030		✓	7MW9S-0608D	3						1				1	1		DUP
	2/7/11	1438		✓	7TB15-0608	3						1				1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]		FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS FED EX AIRBILL # 0857386106	

Order No. 70440 (0693)

000054

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): S. Conti / RF

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOCs	1-L AMBER SVOCs	1-L AMBER PEST/PCBs	1-L PE TAL MET + BOR	1 L AMBER TPH	1 2oz GLASS VOCs	1-8oz GLASS SVOC, TAL MET + BORON	1-8oz GLASS SVOC, TAL + B. PEST. PCBs	1-8oz GLASS TPH (TPH)	1-8oz GLASS TCLP METALS ONLY	REMARKS
TRIP BLANK	2/8/94	0800		✓	TB-35	2	2										
TORP SHOPS	"	0805		✓	TS-RB02	8	2	2	2	1	1						
A-86	"	0814		✓	4TB2-0002	3						1		1		1	
TORP SHOPS	"	0857		✓	7MW10S-0608	3						1	1		1		
A-86	"	0910		✓	4MW4S-0002	2						1		1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conti	2/8/94 1500	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SWLOK AB# 0857386110	

Order No. 70440 (0693)

000455

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-MON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-L Amber Oil & Grease	1-L Amber BTEX TOC Nitrate Phosphate	1-L Amber BOD TSS					REMARKS
SEPT AGW	2/20/94	1055		✓	15GW1D	4	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	2-20-94 1600	FEDEX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO ~~[illegible]~~ SWLABS, OK AIRBILL # 0857386121	

Order No. 70440 (0693)

000056

CHAIN O. USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs	1-L Litre Amber SVOCs	1-L Amber Pest/PCBs	1-L PE Tot. Metals	1-L PE Diss. Metals		REMARKS
TRIP BLANK	2/20/94	0800		✓	TB-36	2	2						
SAMPLE ACID	2/20/94	0800		✓	SAGW-RB01	8	2	2	2	1	1		
		1035		✓	15GW1D	24	6	6	6	3	3		DO MS/MSD
		1235		✓	15GW1S	8	2	2	2	1	1		
		1552		✓	15GW4S	8	2	2	2	1	1		
		1612		✓	15GW3S	8	2	2	2	1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	2-21-94 1600	FED. EX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS, OIC FED EX AIRBILL # 0857386121	

Order No. 70440 (0693)

000057

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 ml VOA VOCs	1-L Amber SVOCs	1-L PB TOT. TAL MET. HNO3 1B	1-L PB DISS TAL MET 1B	2-oz VOCs	6-oz GLASS SVOCs TOT. TAL MET 1B	REMARKS
TRIP BLANK	2/22/94	0800		✓	TB-37	2	2						
GROSS MOVE	2/22/94	0800		✓	GCGW-RB01	6	2	2	1	1			
"	"	0905		✓	8GW8D	6	2	2	1	1			Groundwater Samples
"	"	0850		✓	8GW8S	6	2	2	1	1			
"	"	1123		✓	8GW6D	6	2	2	1	1			
"	"	1207		✓	8GW6S	6	2	2	1	1			
"	"	1416		✓	8GW2D	6	2	2	1	1			
"	"	1429		✓	8GW1S	6	2	2	1	1			
"	"	1538		✓	8GW5S	6	2	2	1	1			
"	"	"		✓	8GW5S-D	6	2	2	1	1			
"	"	1547		✓	8GW7S	6	2	2	1	1			
OBDANE	2/21/94	1423		✓	14TB1-0810	2					1	1	FROM OBDANE (SOILS)
OBDANE	2/21/94	1347		✓	14TB1-0002	2					1	1	FROM OBDANE (")

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	2/22/94 1645	FED EX			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:** SENT TO SOUTHWEST LABS, OK FED. EX AIRBILL # 0857386132	

Order No. 70440 (0693)

000058

CHAIN C JSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSBNLON

SAMPLERS (SIGNATURE): S. Conte / [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOC	1-LITER AMBER SVOCS	1-LITER AMBER PEST/PCBS	1-LITER AMBER DIOXIN	1-L PE (HNO3) TAL (MET + HARDNESS)	1-L PE (HNO3) RADIOLOGICAL*	1-L PE TCLP	1-L AMBER TPH (H2SO4)	1-L PE BOD, TSS	1-L AMBER Ammonia, PHOS, COD, TOC	1-L AMBER OIL & GREASE	REMARKS
TRIP BLANK	2/28/94	1500		V	TB38	2	2											TRIP BLANK
FIELD BLANK	"	1515		V	FB01	16	2	2	2	1	1	2	1	1	1	1	2	DI WATER
"	"	1530		V	FB02	16	2	2	2	1	1	2	1	1	1	1	2	SOURCE WATER

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conte	2-28-94 1700	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SEND TO SWLOK (RAD = GAMMA SPECTR, * GROSS ALPHA, " BETA) AB# 0957386154	

Order No. 70440 (0693)

00059

CHAIN OF CUSTODY RECORD

OT5 + OBDANE

PROJECT NO.: 9594

SITE NAME: NSB-NLON OT5

SAMPLERS (SIGNATURE): Timothy S Evan, SD Conta / JRF

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs	1 L AMBER VOCs	TCL BNAs	1 L AMBER PEST/PCBs	1 L PE TAL INORGANICS	2 oz GLASS TCL VOAs	8 oz GLASS TCL BNAs, INORG	2 oz CORE PCBs, PEST/PCBs	2 oz GLASS VOCs, TCLP INORG	8 oz GLASS SVOCs & ORGANICS	16 oz GLASS INORGANICS (TAL ME + BOR)	TCLP-METALS ONLY	REMARKS
OT 5	2/26/94	1300		✓	OT5-TB3	2	2												
OT 5	"	1330		✓	OT5-RB03	7	2	2	2	1									
OT 5	"	1414		✓	OT-C002-1616.4	1								1					
"	"	"		✓	OT-C002-16.417	1								1					
"	"	1431		✓	OT-S002-1719	2					1	1							
"	"	1442		✓	OT-S002-1921	2					1	1							
OBDANE	3/1/94	0920		✓	14TB2A-0002	2									1	1			
"	"	0922		✓	14TB2A 0204	2									1	1			
OB DANE	2/28/94	1356		✓	14MW1S-0002	3									1	1	1		
"	"	1358		✓	14MW1S-0204	3									1	1	1		
OT 5	3/1/94	09:00		✓	OT CO 03 16 16.4	1								1					
"	"	09:00		✓	OT CO 03 16.4 16.7	1								1					
"	"	09:18		✓	OT SO 03 1719	2					1	1							
"	"	09:18		✓	OT SO 03 1719 D	2					1	1							
"	"	09:24		✓	OT SO 03 1921	2					1	1							

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
SD Conta, Timothy S Evan	3/1/94 1635	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SWLOK AB# 0857386465	

Order No. 70440 (0693)

00060

2 OF 2

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON OT-5

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOAS VOCs	1 L AMBER 5 VOC	1 L AMBER PEST	1 L PE TAL INORGANICS	1 L PE TAL INORGANICS	1 500ML PE TAL INORGANICS	1 500ML PE DISSOLVED TAL INORGANICS	REMARKS
OT-5	3/1/94	0800	✓	✓	OT5-RB04	7	2	2	1	1	1			
"	"	1035	✓		OT-TW01	11	6	2	1	1	1			COMPOSITE VOC'S INTO ONE SAMPLE
"	"	1000	✓		OT-TW02	11	6	2	1	1	1			" "

NOTE: TW = TANK WATER

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	3.1.94 1635	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED 085738465	

Order No. 70440 (0693)

000091

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON OT5

SAMPLERS (SIGNATURE): S. Conte

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2" & CORE PCBS/TCLP INORGANICS	8 OZ GLASS TCL VOAS	8 OZ GLASS (PEST/PCBS TCL BNAS/INORGANICS				REMARKS
OT 5	3/1/94	1618		✓	OT-C004-1616.3	1	1						
"	"	"		✓	OT-C004-16.316.75	1	1*						* DO DUP HERE, IF POSSIBLE
"	"	1234		✓	OT-S004-1719	2		1	1				
"	"	1245		✓	OT-S004-1921	2		1	1				
					✓								
					✓								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conte	3/1/94 1625	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SWLOK AB# 0857386165	

Order No. 70440 (0693)

000062

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs VOCs	1-L Amber SVOCs	1-L PE (Total) Total Met + Boron	1-L PE (Diss) Total Met + Boron	1-L Amber Oil & Grease	1-L Amber TOC/COD	1-L PE BOD TSS, PHOS.		REMARKS
DRMO TRIB BL	3/4/94	0900		✓	TB 39	2	2								
DRMO	"	0955		✓	6GW3S	10	2	2	1	1	2	1	1		
"	"	0945		✓	6GW3D	6	2	2	1	1					
"	"	1055		✓	6GW8S	2	2								
"	"	1150		✓	6GW2D	6	2	2	1	1					
"	"	1420		✓	6GW6S	6	2	2	1	1					
"	"	1520		✓	6GW6D	6	2	2	1	1					
"	"	1500		✓	DRMO-RB04	6	2	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	3-4-94 1640	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX AIR BILL # 0857386272 SENT TO SWLOK	

Order No. 70440 (0693)

000063

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC VOA's	L Amber SVOC	L Amber TPH	Total TAL Metals + Boron + Hardness	L PE Dissolved TAL Metals + Boron	1-L Amber	1-L Amber Oil & Grease	1-L PE TOC, COD, BOD, TSS, PHOS, Ammonia	REMARKS
Lower Base	3/5/94	0730		✓	TB-40	2	2								
"	"	0800		✓	LB-RB04	7	2	2	1	1	1				
"	"	0845		✓	13GMW20	7	2	2	1	1	1				
"	"	0845		✓	13GMW20-D	7	2	2	1	1	1				DUP
"	"	0940		✓	13GMW18	18	6	4	2	3	3				RUN ALSO MS/MSD
"	"	1105		✓	13GMW21 •	7	2	2	1	1	1				• Taken near Steam Line / Water is hot initially 21
"	"	1140		✓	13GMW19 •	7	2	2	1	1	1				• " 19
"	"	1420		✓	NES06	11	2	2	1	1	1	2	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3/5/94 1500	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OF OK. AB# 0857386250	

Order No. 70440 (0693)

000064

CHAIN OF CUSTODY RECORD

TORPEDO SHOPS

PROJECT NO.: 9594

SITE NAME: NAVAL SUBMARINE BASE NEW LONDON

SAMPLERS (SIGNATURE): R. [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOC 2 OZ GLASS	SVOC, PEST PCB, TAL INOR + BORON 8 OZ GLASS	40 ML VIAL VOCs	1 L AMBER SVOCs	1 L Amber PEST/PCBs	1 L PE TAL INOR + BORON	REMARKS
MW-45	3/6/94	09:00		✓	7 50 45 0103	2	1	1					
TB-10	3/6/94	09:27		✓	7 50 10 0103	2	1	1					
MW65	3/6/94	11:33		✓	7 50 65 0305	2	1	1					Organic solvent odor
MW 65	3/6/94	11:46		✓	7 50 65 0507	2	1	1					Fuel oil odor
TORP SHOPS	"	1600		✓	TS-RB03	7			2	2	2	1	Analyze this RB.
TRIP BLANK	3/6/94	0830		✓	TB-42	2	[illegible]		2				
TB16	3/7/94	09:15		✓	7TB160305	2	1	1					
7MW7S		1250		✓	7MW7S-0103	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
S. Corrin	3/7/94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OK. AB# 0857386235	

Order No. 70440 (0693)

59000

LOWER BASE
SAT/SUN

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB · NION

SAMPLERS (SIGNATURE): K-D S

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ML VOA VOCs	1-L AMBER SVOCs	1-L AMBER TPH	1-L PE TOTAL TAL METALS + BORON + VANADIUM	1-L PE DISSOLVED TAL METALS + BORON		REMARKS
LOWER BASE	3/5/94	1505		✓	TB-41	2	2						
		1515		✓	136W10	7	2	2	1	1	1		
		1615		✓	136W11	7	2	2	1	1	1		
		1705		✓	136W6	7	2	2	1	1	1		
	3/6/94	0845		✓	136W1	7	2	2	1	1	1		
		0915		✓	136W2	7	2	2	1	1	1		
		1038		✓	136W3	7	2	2	1	1	1		
		1125		✓	NESO 4	7	2	2	1	1	1		
		1419		✓	136W9	7	2	2	1	1	1		
		1515		✓	136W8	7	2	2	1	1	1		
		1645		✓	136W17	7	2	2	1	1	1		
LOWER BASE	3/6/94	1645		✓	136W17 D	7	2	2	1	1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
K-D S	3.7.94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OK. AB# 0857386235	

Order No. 70440 (0693)

000066

CHAIN C)JSTODY RECORD

L) ER BASE
..ION 3/7/94

2 OF 2)

PROJECT NO.:	SITE NAME:
9594	NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOCs	1 L Amber SVOCs	1-L Amber TPH	1-L PE (TOTAL) TAL MET + BORON + HARDNESS	1-L PE (DISS) TAL MET + BORON	1-L PE BOD/TSS/PHOS	REMARKS
LOWER BASE	3/7/94	0835		✓	13MW14	7	2	2	1	1	1		
"	"	0925		✓	13MW16	7	2	2	1	1	1		
		~~1015~~		✓	~~13MW~~ KS								
"	3/7/94	1340		✓	NES06	1						1	NOTE: BOD SAMPLE (48 HR HOLDTIME)

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Corth	3/7/94 1600	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK. AB# 0857386235	

Order No. 70440 (0693)

000067

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): K. SIMPSON

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOCs	1-L AMBER SVOCs	1-L AMBER PEST/PCBs 3-7-94	1-L AMBER PEST/PCBs	1-L AMBER TPH	1-L PE (TOTAL) TAL MET + BORON	1-L PE (DISS) TAL MET + BORON	1-L PE BOD, TSS, PHOS	REMARKS
TRIP BLANK	3/7/94	0800		✓	TB-43	2	2								
LOWER BASE	"	1015		✓	13GW15	7	2	2	—	1	1	1			
"	"	1135		✓	NESO 10	7	2	2	—	1	1	1			
"	"	1210		✓	13GW12	7	2	2	—	1	1	1			
"	"	1435		✓	~~13GW~~ WE-5	7	2	2	—	1	1	1			
"	"	1510		✓	WE-1	7	2	2	—	1	1	1			
"	"	1545		✓	13GW13	7	2	2	—	1	1	1			
DRMO	3/8/94	1305		✓	6GW3S	1							1	BOD SAMPLE (RESAMPLE)	
"	"	1345		✓	6GW7S	6	2	2	—	—	1	1	—		
"	"	"		✓	6GW7S-D	6	2	2	—	—	1	1	—		
SPENT ACID	"	1545		✓	15GW2S	20	6	4	4	—	3	3		DO MS/MSD	
LOWER BASE	"	1440		✓	NESO 11	7	2	2	—	1	1	1	—		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	3/8/94 1645	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK AB# 0857386246	

Order No. 70440 (0693)

000068

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VIAL VOCs	1-L Amber SVOCs	1-L Amber PEST/PCBs	1-L Amber TPH	1-L PE TAL MET + BORON	8 oz GLASS VOCs	8 oz GLASS SVOC TAL MET + BORON	8 oz GLASS PEST/PCBs	8 oz GLASS TPH	8 oz GLASS TCLP SVOC	REMARKS
TORP SHOPS	3/8/94	0800		V	TB-44	2	2										
"	"	1440		V	TS-RB04	8	2	2	2	1	1						ANALYZE
"	"	0940		V	7TB9-0002	2						1	1				
"	"	1236		V	7TB12-0204	3						1	1	1			
"	"	1145		V	7TB13-01.5 03.5	3						1	1	1			
"	"	1450		V	7MW5S-10 11	2						1	1	~~1~~			
"	3/9/94	0830		V	TS-RB05	7	2	2	2	-	1						HOLD
"	"	0838		V	7MW11S-06 07	~~2~~ 3						1	1	1			ADDED TPH ~~*RUN TPH ALSO IF POSS~~
SPENT ACID	"	0840		V	15SD1	2						1	1				
WEAP CTR	"	0950		V	2WCSD1	2						1	1				
"		0955		V	2WCSD2	2									1	1	
"		1000		V	2WCSD3							1	1				
																	~~*RUN TPH ON THIS SAMPLE IF POSSIBLE WITH VOLUME~~

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3/9/94 1300	FEDERAL EXPRESS			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:** SENT TO SW LAB OF OK AB# 0857386224	

Order No. 70440 (0693)

000069

CHAIN OF CUSTODY RECORD

ENG PARAMETERS TO GEO-TESTING

PROJECT NO.: 9594	SITE NAME: NSB-NLON
SAMPLERS (SIGNATURE): [signature]	

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 8 oz glass w/ n. g. content	3 1 oz glass GS/MS/SP. GR.						REMARKS
SPENT ACID	3-9-94	0840		✓	15SD1	2	1	1						ENG. PROP.
TORPEDO SHOP	3-6-94	0950		✓	7MW4S-0103	2	1	1						
|	3-8-94	1236		✓	7TB12-0204	2	1	1						
|	3-8-94	1039		✓	7TB13-0001	2	1	1						LOW VOL.
↓	3-9-94	1450		✓	7MW5S-1011	2	1	1						↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3-15-94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY(SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:** SENT TO GEO TESTING EXPRESS FED EX # 1146613053	

Order No. 70440 (0693)

0700

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Timothy S Evans / S. Contu

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 oz Glass VOCs	8 oz Glass - SVOC Pest/PCB TAL metal + Boron	40 ml VOA VIAL VOCs	1-L Amber SVOCs	1-L Amber PEST/PCBs	1-L PE (TOTAL) TAL MET + BORON	REMARKS
Torpedo Shops	3/14/94	1616		✓	7TB7-0406	2	1	1					
"	3/15/94	1115		✓	7TB8-0202.9	2	1	1					
"	3/15/94	1115		✓	7TB8-0202.90	2	1	1					
"	"	1030		✓	~~TB-45~~ SDC TS-RB05	7			2	2	2	1	ANALYZE THIS RB
"	"	1035		✓	TB-45	2			2				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Contu	3/15/94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to SW Lab Oklahoma AB# 08 5738 6213	

Order No. 70440 (0693)

00071

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOCs	1-L Amber SVOCs	1-L PE (TOTAL) TAL MET + BORON	1-L PE (DISS) TAL MET. + BORON + HARDNESS			REMARKS
AREA A	3/15/94	1400		V	TB-46	2	2						
"	↓	1540		✓	2LGW17S	6	2	2	1	1			
"	↓	1825		✓	2LGW17D	6	2	2	1	1			
"	3/16/94	1043		✓	2WGW6S	6	2	2	1	1			
"	"	1140		✓	2WGW6D	6	2	2	1	1			
"	"	1508		✓	2DGW24S	6	2	2	1	1			
"	"	1545		✓	2DGW24D	6	2	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Conti	3/16/94 1635	FED. EX.			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK AB# 0857386202	

Order No. 70440 (0693)

72

HALLIBUR[illegible]N NUS Environmental Corporatio[illegible] and Subsidiaries

CHAIN OF CUSTODY REC[illegible]

PROJECT NO.: 9544

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	4 oz. HIGH VIRL VOCS	T-C HAMBER SVOCS	T-C PEST (TOTAL) TAL MET + BORON	T-C PEST (DISS) TAL MET + BORON			REMARKS
Area A	3/16/94	1600		✓	TB-47	2	2						
		1040		✓	2WGW76S	6	2	2	1	1			
		1140		✓	2WGW6D	6	2	2	1	1			
		1508		✓	2DGW24S	6	2	2	1	1			
		1545		✓	2DGW24D	6	2	2	1	1			
		1640		✓	2DGW16S	6	2	2	1	1			
	↓	1728		✓	2DGW16D	6	2	2	1	1			
	3/17/94	0820		✓	AOM A RB-03	6	2	2	1	1			
		[illegible]		✓	2DGW[illegible]D	6	2	2	1	1			
		[illegible]		✓	2DGW[illegible]D	[illegible]	2	2	1	1			[illegible]
		[illegible]		✓	2DGW[illegible]	6	2	2	1	1			
		1120		✓	2DGW23S	6	2	2	1	1			
		[illegible]		✓	2DGW28D	6	2	2	1	1			
	↓	1515		✓	2DGW27S	6	2	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3/17/94 [illegible]	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SUDLOK ABTF [illegible]	

NUS 440 REVISED 0891

[illegible]

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA Vial VOCs	1-L Amber SVOCs	1-L PE (Total) TAL Met + Boron	1-L PE (Diss) TAL Met + Boron	Hardness			REMARKS
Area A	3/17/94	1530		✓	TB48	2	2							
"	"	1605		✓	2DGW15D	6	2	2	1	1				
"	3/18/94	0830		✓	2DGW27D	6	2	2	1	1				
"	"	1205		✓	2WGW3S	6	2	2	1	1				
"	"	1225		✓	2WGW3D	6	2	2	1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3/18/94	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SEND AB# 0857386176	

Order No. 70440 (0693)

000074

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials	1 L AMBER VOCs	5 VOCs	1 L PE TOTAL MET. + BARIUM + HARDNESS	1 L PE DISSOLVED METAL MET. + BORON			REMARKS
AREA A	3/18/94	0900		✓	TB-49	2	2	~~1~~ 2						
↓	3/18/94	0910		✓	AREA A MB-04	6	2	2	1	1				
↓	3/18/94	1530		✓	2WGW21S	6	2	2	1	1				
↓	3/19/94	1005		✓	2WGW55	6	2	2	1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3.19.94 1400	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB AB# 0857386180	

Order No. 70440 (0693)

000075

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB- NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VIAL VOC's	1 L AMBER 5 VOC's	1 L PE TOTAL TAL METALS + BORON + HARDNESS	1 L PE DISSOLVED TAL METALS + BORON	1 L AMBER PCB, PEST.	1 L PE TSS, BOD, PHOSPHATE AMMONIA HARDNESS	1 L AMBER O&G	1 L AMBER TOC, COD	REMARKS
BUNKER A-86	3/19/94	1300		✓	TB-50	2	2								
		1320		✓	A-86 RB-01	~~8~~ 12	2	2	1	1	2	1	2	1	
		1435		✓	46W4S	8	2	2	1	1	2				
		1510		✓	46W4D	8	2	2	1	1	2				
		1610		✓	46W2S	24	6	6	3	3	6				RUN MS/MSD ALSO
		1700		✓	46W3S	12	2	2	1	1	2	1	2	1	ENGINEERING CHARACTERISTIC ALSO

BOD
A-86 RB-01 3-21-94 0820
46W3S 3-21-94 0815

RESAMPLED 46W3S FOR BOD DUE TO SHORT HOLD TIME 3-21-94

ALSO BOD AT RB-01

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3-21-94 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 3-21-94 1630	REMARKS: SENT TO SW LAB A.B.# 1699904371	

Order No. 70440 (0693)

00076

CHAIN O. USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB · NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOA VIAL VOC	1 L AMBER S VOC'S	1 L PE TOTAL METALS + BORON + HARDNESS	1 L PE DISSOLVED METALS + BORON	1 L AMBER TPH	1 L AMBER FEST. PCB	1 L PE RADIO CHEM.	REMARKS
CBU DRUM STORAGE	3/20/94	1040		✓	1GW2S	9	2	2	1	1	1	2		
AREA A	↓	1330		✓	2LGW8D	6	2	2	1	1				
"	↓	1600		✓	2LGW7D	6	2	2	1	1				
"	3/21/94	0910		✓	2DGW23D	6	2	2	1	1				
"	↓	1028		✓	2LGW9D	8	2	2	1	1			2	
"	↓	1305		✓	2LGW13D	8	2	2	1	1			2	MISLABELED 2LGW14D SHOULD BE 2LGW13D CALLED LAB & SENT 2 RADIO CHEMS 3.22.94
"	↓	1340		✓	2LGW18S	8	2	2	1	1			2	
"	↓	1410		✓	AREA A RB-05	6	2	2	1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3.21.94 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB A.B.# 169990437	
			3.21.94 1630		

Order No. 70440 (0693)

000077

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ML VOA VIAL VOC	1 L AMBER SVOC's	1 L PE TOTAL TAL METALS + BORON + HARDNESS	1 L PE DISSOLVED TAL METALS + BORON	1 L PE Radiochemistry		REMARKS
TRIP BLANK	3/31/94	1520		✓	TB-51	2	2						
OBOANE	↓	1630		✓	14GW1S	6	2	2	1	1			
AREA A	↓	1647		✓	2LGW14D	6	2	2	1	1			
↓	3/22/94	1118		✓	~~[illegible]~~ 2DGW11D	8	2	2	1	1	2		
↓	↓	1208		✓	2DGW11S	8	2	2	1	1	2		
↓	↓	1245		✓	3GW12S	8	2	2	1	1	2		
↓	↓	1250		✓	3GW12D	8	2	2	1	1	2		
↓	↓	1450		✓	Area A RB-0.6	6	2	2	1	1	[illegible]		
Area A	3/22/94	1250		✓	3GW12D-D	8	2	2	1	1	2		Duplicate

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3.22.94 1630	Fed Ex			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT SW LABS A.B.# 1699743791	

Order No. 70440 (0693)

000078

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC's	1 L NABER SVOC's	1 L PE TOTAL METALS + BORON + HARDNESS	1 L PE DISSOLVED METALS + BORON	1 L Amber PCB's	TAL	REMARKS
AREA A	3/23/94	0715		✓	TB-52	2	2						
"	"	0935		✓	2LGW19D	18	6 ~~2~~	6	3	3			RUN ALSO 1 MS/MSD
"	"	1010		✓	2LGW18D	6	2	2	1	1			
"	"	0900		✓	2LGW18S	2					2		WELL SAMPLED 3-21-94 RESAMPLED FOR PCB 3-94

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	3-23-94 1200	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB A.B.# 1699743802	

Order No. 70440 (0693)

00079

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC's	1 L AMBER SVOC's	1 L PE TOTAL TAL METALS + BORON + HARDNES	1 L PE DISSOLVED TAL METALS + BORON	TPH - 1 L AMBER	OIL TYPE BY FLUORESCENCE	1 L AMBER	REMARKS
TORPEDO SHOP	3/29/94	0830		✓	TB-53	2	2							TRIP BLANK
"	3/29/94	1030		✓	TS-RB06	7	2	2	1	1	1			
"	3/29/94	1055		✓	~~76W9S~~ 76W9S	7	2	2	1	1	1			
"	3/29/94	1055		✓	76W9S-D	7	2	2	1	1	1			DUP
"	3/29/94	1405		✓	76W8S	8	2	2	1	1	1	1		
"	3/29/94	1440		✓	76W10S	7	2	2	1	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3-29-94 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB A.B# 1699743813	

Order No. 70440 (0693)

080080

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Timothy S Gran

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL VOA Vial VOCs	1 L Amber SVOCs	1 L PE Total TAL Metals Boron	1 L PE Dissolved TAL Metals Boron			REMARKS
Area A	3/31/94	0800		✓	TB-54	2	2						Trip Blank
"	"	1003		✓	2DGW10D	6	2	2	1	1			
"	"	1050		✓	2WCGW3S	6	2	2	1	1			
TORP SHOPS	"	1445		✓	7GW1D	6	2	2	1	1			
"	"	1535		✓	7GW2S	18	6	6	3	3			Do MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Timothy S Gran	3-31-94 1635	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OK. AB# 1699743824	

Order No. 70440 (0693)

00087

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOAS VOCs	1 L Amber SVOC's	1 L PE (TOTAL) TAL MET + BORON	1 L PE (DISS) TAL MET + BORON	HARDNESS			REMARKS
T.S.	3/31/94	1625		✓	TB55	2	2							
"	"	1637			MGW3S	6	2	2	1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
S. Conti	4-1-94 1200	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: AB# 1699743846	

Order No. 70440 (0693)

00082

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Elliott S Gra

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL VOA vial VOCs	1 L Amber SVOCs	1 L PE Metals + Boron Total	1 L PE Metals + Boron Dissolved Hardness	1 L PE Cu Zn Ni Pb Total Hardness	1 L PE Cu Zn Ni Pb Dissolved	REMARKS
Torp Shops	4/4/94	1540		✓	TB-56	2							
"	4/4/94	1432		✓	7GW4S	6	2	2	1	1			
"	4/4/94	1520		✓	7GW11S	6	2	2	1	1			
Area a Landfill	4/4/94	1602		✓	2LPW1S	2					1	1	Quick Turn!
TORP SHOPS	4/4/94	1690		✓	TSRB 07	6	2	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Elliott S Gra	4/4/94 1630	Fed Ex			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Airbill # 1699743835	

Order No. 70440 (0693)

0003

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): S. Corta

	STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vial VOCs	1L Amber SVOCs	1L PE Total Metals + Boron	1L PE Dissolved Metals + Boron	1L PE TSS, BOD, Ammonia, Hardness + Hardness	1L Amber Oil & Grease Total Phos	1L Amber TOC	1L PE COD	1L PE RADIOLOGICAL	REMARKS
		4/4/94	1700		✓	TB-57	2	2									
	Torp Shops	4/4/94	1727		✓	7GW6S	6	2	2	1	1						
	"	4/4/94	1830		✓	7GW7S	6	2	2	1	1						
4/4	AREA A	"	1905		✓	2WGW21D	6	2	2	1	1						
4/5	"	4/5/94	0940		✓	2WGW2D	6	2	2	1	1						
	TORPEDO SHOP	"	0902		✓	7GW5S	~~6~~ 10	2	2	1	1	1	2	1			
	"	"	1008		✓	7GW3D	10	2	2	1	1	1	2	1			
	"	"	1043		✓	7GW2D	10	2	2	1	1	1	2	1			
	AREA A	"	1100		✓	2WGW22D	6	2	2	1	1						
	"	"	1315		✓	2WCGW1S	5	1	2	1	1						
	"	"	1430		✓	2WCGW2S	5	1	2	1	1						
	"	"	1345		✓	2WCGW1S-D	5	1	2	1	1						DUP
	"	"	1510		✓	2WGW4D	8	2	2	1	1				2		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
S. Corta	4/5/94 1630	FedEx			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 4/5/94 1630	REMARKS: Send to Southwest Lab of OK FedEx AB# 1699744001	

Order No. 70440 (0693)

000084

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible] SG Conte

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ML VOA VIAL VOCs	1L AMBER SVOCs	1L PE TOTAL METALS + BORON	1L PE TSS, BOD, AMMONIA, HARDNESS	1L AMBER TOC, COD, HARDNESS, TOTAL PHOS	1L AMBER O&G	1L AMBER PCB	1L PE DISSOLVED TAL METALS + BORON	REMARKS
—	4/6/94	0800		✓	TB-58	2	2								
AREA A	"	0915		✓	2WGW5D	5	1	2	1					1	
TORPEDO SHOP	"	1031		✓	7GW5D	~~10~~ 9	2	2	1	1	1	2		1	
AREA "A"	"	1030		✓	2LGW20D	5	1	2	1					1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	4.6.94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OK	
			4.6.94 1630	FED EX AIRBILL # 1699743990	

Order No. 70440 (0693)

000085

DAY 1

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 L AMBER O&G	1 L AMBER COD TOC NH3 PHOS	1 L PE TSS BOD HARDNESS	1 L PE DISSOLVED TAL METALS	1 L PE TOTAL TAL METALS + BORON	40 ml VIALS VOCs	1 L AMBER SVOC	1 L AMBER PCBs	REMARKS
PUMPING TEST	4/26	1220		✓	2LPW15-1	12	2	1	1	1	1	2	2	2	
WELL	↓	1300		✓	2LPW15-2	2	~~2~~ KS					2			
↓	↓	1400		✓	2LPW15-3	2						2			
↓	↓	1130		✓	TB-59	2						2			TRIP BLANK

VOID

Cancelled these samples on 4/27/94 per MGC. Due to stoppage of pump test. Will resample Sunday 4/28/94.

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4-26-94 1605				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LABS OR FED EX A.B.# 1699904360	

Order No. 70440 (0693)

000086

HALLIBU[illegible]N NUS Environmental
Corporat[illegible] and Subsidiaries

CHAIN OF CUSTODY REC[illegible]

PROJECT NO.: 1594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml vial VOCs	1 L Amber SVOC	1 L Amber PCBs	1 L PE Total Metals + Boron	1 L PE Total Metals	1 L PE TSS BOD	1 L [illegible] COD	[illegible]	REMARKS
[illegible]	4/28	[illegible]		✓	TB-[illegible]	2	2								[illegible]
[illegible]	↓	1015		✓	2LPW15-1	12	2	2	2	1	1	1	1	2	
↓	↓	1100		✓	2LPW15-2	2	2								
↓	↓	1200		✓	2LPW15-3	2	2								
↓	↓	1400		✓	2LPW15-4	2	2								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	4-28-94 11:30				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: [illegible]	

NUS 440 REVISED 0891

AREA A, PUMPING TEST WELL

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC	1 L AMBER SVOC	1 L AMBER PCBs	1 L PE TOTAL METAL + BORON	1 L PE DISS. METAL + BORON	1 L PE TSS	BOD HARDNESS	1 L AMBER COD TOC NH3 PHOS	1 L AMBER O&G	REMARKS
PUMPING TEST	4/28	1755		✓	TB-61	2	2									TRIP BLANK
AREA A	4/28	1800		✓	2LPW15-5	2	2									
↓	4/29	0200		✓	2LPW15-6	2	2									
↓	4/29	1400		✓	2LPW15-7	12	2	2	2	1	1	1	1	2		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4.29.94 1640				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO SW LAB OF OK FED EX A.B.# 1699743975	

Order No. 70440 (0693)

000088

AREA A PUMPING TEST WEEK (DAY 3)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml VOC	1 L Amber SVOC	1 L Amber PCBs	1 L Pl TAL MCT + Boron	1 L Pl TAL MCT + Boron DISS.	1 L Pl BOD Hardness TSS	1 L Amber COD TOC NH3 PHC	1 L Amber O&G	REMARKS
AREA A PUMPING TEST	5/1	0915		✓	TB-62	2	2								TRIP BLANK
AREA A	5/1	1015		✓	2LPW15-8	12	2	2	2	1	1	1	1	2	
															SAMPLED SAT. 5-1-94 SHIPPED MONDAY 5-2-94

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5-2-94 1620				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OF OK FED EX AB # 1699743964	

Order No. 70440 (0693)

0000

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml VOA VOCs	1 L AMBER SVOC	1 L AMBER PCB-PEST	1 L PE TOTAL METALS + HARDNESS	1 L PE DISSOLVED MET + BORON	REMARKS
A-86	5/26	1340		✓	TB-63	2	2					TRIP BLANK
A-86	5/26	1440		✓	46W1S	8	2	2	2	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	5-26-94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OF OK FED EX AB # 1699743942	

NUS 440 REVISED 0891

000390

ROUND 2 SAMPLING

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): William J. Brote

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1-40 mL Glass Vial VOCs	1-1L Amber Glass SVOC	1-1L PE Total TAL METALS + HARDNESS, BORON	1-1L PE Diss. TAL METALS + BORON	1-1L Amber Glass TPH		REMARKS
TB	6/21	1500		X	TB01-2	2	2	-	-	-	-		TRIP BLANK
LOWER BASE	6/21	1555		X	13GW18-2	7	2	2	1	1	1		
"	6/22	1022		X	13GW03-2	7	2	2	1	1	1		
"	6/22	1148		X	13GW2-2	7	2	2	1	1	1		
LOWER BASE	6/22	1150		X	13GW1-2	7	2	2	1	1	1		
RB	6/22	1400		X	RB01-2	7	2	2	1	1	1		RINSATE BLANK
LOWER BASE	6/22	1452		X	13GW20-2	7	2	2	1	1	1		
LOWER BASE	6/22	1546		X	13GW21-2	7	2	2	1	1	1		
DRMO	6/22	1558		X	6GW6D-2	6	2	2	1	1	-		
DRMO	6/22	1558		X	6GW6D-D-2	6	2	2	1	1	-		DUPLICATE

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	6.22.94 1635	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SW LABS AB# 1699743850	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VIAL VOC	1 L AMBER SVOC	1 L PE TOTAL MET. + BORON + HARDNESS	1 L PE DISS. TAL MET. + BORON	1 L AMBER TPH			REMARKS BOTTLE CLEAR
AREA A	6.22	1800		✓	2DGW23D-2	6	2	2	1	1				✓
LOWER BASE	6.22	1820		✓	13GW8-2	7	2	2	1	1	1			✓
RINSATE BANK	6.23	0800		✓	RB02-2	7	2	2	1	1	1			✓
LOWER BASE	6.23	0807		✓	13GW19-2	7	2	2	1	1	1			✓
"	6.23	0985		✓	WE1-2	7	2	2	1	1	1			✓
AREA A	6.23	1015		✓	2GW19D-2	6	2	2	1	1				✓
LOWER BASE	6.23	1025		✓	13GW12-2	7	2	2	1	1	1			✓
"	6.23	1025		✓	13GW12-D-2	7	2	2	1	1	1			✓
"	6.23	1325		✓	13GW10-2	7	2	2	1	1	1			✓
"	6.23	1415		✓	NES010-2	7	2	2	1	1	1			✓
"	6.23	1500		✓	NES011-2	7	2	2	1	1	1			✓
TRIP BLANK	6.22	1630		✓	TB02-2	2	2							✓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6.23.94 1635	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB A.B.# 1699743861	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml VOC	1 L Amber SVOC	1 L PE Total Metals+Boron	1 L PE Diss. Metals+Boron	1 L Amber TPH	1 L PE Radio Chem	1 L Amber O&G	1 L Amber TOC	1 L PE TSS BOD	REMARKS
TRIP BLANK	6-23	1530		✓	TB03-2	2	2							TRIP BLANK		
AREA A	6-23	1605		✓	2DGW24D-2	6	2	2	1	1						
AREA A	6-23	1621		✓	2DGW16D-2	6	2	2	1	1						
LOWER BASE	6-23	1807		✓	NES06-2	7	2	2	1	1	1					
AREA A	6-23	1845		✓	2DGW25D-2	6	2	2	1	1						
DRMO	6-24	0915		✓	6GW15-2	24	6	6	3	3		6				MS/MSD
DRMO	6-24	1044		✓	6GW2S-2	6	2	2	1	1						
DRMO	6-24	1138		✓	6GW2D-2	6	2	2	1	1						SAMPLE REACTED W/ PRESERVATIVE VOCs MAY HAVE BUBBLES
DRMO	6-24	1417		✓	6GW3S-2	10	2	2	1	1			2	1	1	
DRMO	6-24	1530		✓	6GW6S-2	6	2	2	1	1						
RINSATE BLANK	6-24	1500		✓	RB03-2	12	2	2	1	1		2	2	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	6-24-94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SOUTH WEST LAB A.B.# 1699743872	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	7 40 ML VIAL VOC	2 L AMBER GLASS SVOC	1 L PE TOTAL MET. + BORON + HARDNESS	1 L PE TOTAL MET. + BORON DISS.	1 L AMBER GLASS TPH		REMARKS
TRIP BLANK	6-24	1530		✓	TB-04-2	2	2						TRIP BLANK
LOWER BASE	↓	1717		✓	136W13-2	7	2	2	1	1	1		
"	↓	1815		✓	136W6-2	7	2	2	1	1	1		
RINSATE BLANK	6-25	0800		✓	RB-04-2	7	2	2	1	1	1		RINSATE BLANK
LOWER BASE	↓	0835		✓	13MW9-2	7	2	2	1	1	1		
"	↓	0915		✓	NE304-2	7	2	2	1	1	1		
"	↓	1110		✓	13MW17-2	7	2	2	1	1	1		
"	↓	1110		✓	13MW17-D-2	7	2	2	1	1	1		DUPLICATE

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6-25-94 1400	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB 1699743883	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NIOX

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC VOA	1 L Amber glass SVOC	1 L PE TOTAL TAL MET. + BOR. + HARDNESS	1 L PE DISS. TAL MET. + BOR.	1 L Amber glass TPH	1 L Amber Glass PCB	1 L PE Radiochemistry	1 L PE BOD (ZN2)	REMARKS
TRIP BLANK	6-25	1400		✓	TB-05-2	2	2								
LOWER BASE	↓	1500		✓	13~~B~~GW16-2	7	2	2	1	1	1				
"		1540		✓	13GW14-2	7	2	2	1	1	1				
"		1655		✓	13GW15-2	7	2	2	1	1	1				
AREA A		1637		✓	2DGW28S-2	6	2	2	1	1					
AREA A	↓	1725		✓	2DGW27S-2	6	2	2	1	1					
"	6-26	0918		✓	2WGW3S-2	6	2	2	1	1					
"	"	0942		✓	2WGW3D-2	6	2	2	1	1					
"	"	1052		✓	2LGW18S-2	8	2	2	1	1		2	2		
"	"	1106		✓	2LGW18D-2	6	2	2	1	1					
"	"	1730		✓	2DGW28D-2	6	2	2	1	1					
"	"	1750		✓	2DGW27D-2	6	2	2	1	1					
RINSATE BLANK	"	1800		✓	RB05-2	11	2	2	1	1	1	2	2		
RINSATE BLANK	6-27-94	1000		✓	RB03-2	1								1	RESAMPLE BOD ONLY

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6-27-94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SWL AB# 1699743920	

Order No. 70440 (0693)

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40ml VOC	1L Amber glass SVOC	1L PE TOTAL METALS, Boron & Hardness	1L PE Dissolved TAL METALS & Boron	1L Amber glass Pesticide/PCB	1L Amber glass TPH	1L Amber glass Oil & Grease	1L Amber glass TOC	1L PE COD	1L PE TSS	REMARKS
SPENT ACID	6/27/94	0830		X	15GW3$-2	8	2	2	1	1	2						
↓	↓	0930		X	15GW4$-2	24	6(4)	6	3	3	6						DO MS/MSD
		1150		X	15GW1D-2	8	2	2	1	1	2						
		1150		X	15GW1D-D-2	8	2	2	1	1	2						DUP
↓		1454		X	15GW2$-2	8	2	2	1	1	2						
CBU		1620		X	1GW2$-2	9	2	2	1	1	2	1					
ALCA	6-27-94	0820		X	2LGW9D-2	6	2	2	1	1							
NASHE PLANT	"	1000		X	RB06-2	13	2	2	1	1	2	1	2	1	1		
DRMO	"	0835		X	6GW3$-2	1									1		RESAMPLE BOD ONLY
"	"	0925		X	6GW3D-2	6	2	2	1	1							
"	"	1008		X	6GW8$-2	2	2										
"	"	1100		X	6GW7$-2	6	2	2	1	1							

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[signature]	6-27-94 1630	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB AB # 1699743920	

NUS 340 REVISED 0891

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CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml VIAL VOC	1 L AMBER SVOC	1 L PE DISS. TAL METALS + BORON	1 L PE TOTAL MET + BOR. + HARDNESS	1 L AMBER PEST/PCB	1 L AMBER TPH	1 L AMBER O&G	1 L AMBER TOC, COD	1 L PE TSS BOD, PHOS	AMMONIA	REMARKS
TRIP BLANK	6.27.94	1440		✓	TB-06-2	2	2										
TOWER BASE	"	1459		✓	13GW11-2	11	2	2	1	1		1	2	1	1		
SPENT ACID	"	1303		✓	15 GW1$-2	12	2	2	1	1	2		2	1	1		
A&S A	6.26.94	1525		✓	12 LAB NOTIFIED 2LGW05-2	6	2	2	1	1							ADDED to COC (LAB NOTIFIED) DAVI ALSTATT 1526 hrs

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6.27.94 1645				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB AB# 1699743916	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB- NION

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VIALS VOC	1 L AMBER SVOC	1 L PE TOTAL TAL METALS + HARDNESS	1 L PE DISS. TA MET + BOR + SO4	1 L PE RADIO CHEM	1 L AMBER OPC	1 L AMBER TOC	1 L PE COD TSS BOD PHOS AMMONIA	REMARKS
TRIP BLANK	6/27/94	1700		—	TB-07-2	2	2								
AREA A	↓	1742		—	2LGW7S-2	8	2	2	1	1	2				
"	↓	1842		—	2LGW7D-2	6	2	2	1	1					
RINSATE BLANK	6/28/94	1300		—	RB-07-2	12	2	2	1	1	2	2	1	1	
GOSS COVE	↓	0800		—	8GW4-2	8	2	2	1	1	2				RUN ALSO MS/MSD
↓	↓	0840		—	8GW8D-2	6	2	2	1	1					
↓	↓	0910		—	8GW1S-2	8	2	2	1	1	2				
↓	↓	0910		—	8GW1S-D-2	8	2	2	1	1	2				DUP
↓	↓	0950		—	8GW2D-2	6	2	2	1	1					
↓	↓	1008		—	8GW5S-2	6	2	2	1	1					
↓	↓	1040		—	8GW6D-2	6	2	2	1	1					
↓	↓	1047		—	8GW6S-2	6	2	2	1	1					
↓	↓	1115		—	8GW3-2	6	2	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	6.28.94 1630	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB AB # 1699743994	

Order No. 70440 (0693)

00008

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs VOC	1 L Amber SVOC	1 L PE Total Met + Hardness Diss. Met + Boron	1 L PE Diss. TPC	1 L Amber O&G	1 L Amber TOC	1 L PE COD BOD, PHOS, Ammonia	REMARKS
TRIP BLANK	6-28-94	0800		✓	TB-08-2	2	2							
GOSS COVE	↓	1130		✓	8GW85-2	6	2	2	1	1				
BUNKER A-86	↓	1625		✓	4GW35-2	10	2	2	1	1	2	1	1	
"	↓	1629		✓	4GW25-2	6	2	2	1	1				
GOSS COVE	↓	1755		✓	8GW75-2	10	2	2	1	1	2	1	1	
"	↓	1755		✓	8GW75-D-2	6	2	2	1	1				DUP
"	↓	1802		✓	8GW25-2	6	2	2	1	1				

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[signature]	6-29-94 1630	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW UB A.B.# 1699743905	

Order No. 70440 (0693)

60000

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - N10X

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VOC	1L Amber SVOC	1L PE TAL Metals, Hardness	1L PE Dissolved TAL Metals	1L Amber Boron	1L Amber Oil & Grease	1L Amber TOC, COD	1L PE TSS, BOD Phos., Ammonia	1L PE Radio Chemistry	REMARKS
Trip Blank	7/6/94	0900		✓	TB-09-2	2	2									TB
Torpedo Shop		0910		✓	7GW3D-2	10	2	2	1	1	2	1	1			
Torpedo Shop		1055		✓	7GW3S-D-2	6	2	2	1	1						Dup.
Torpedo Shop		1055		✓	7GW3S-2	6	2	2	1	1						
Torpedo Shop		1450		✓	7GW5S-2	10	2	2	1	1	2	12	1			
Rinsate Blank		1500		✓	RB08-2	12	2	2	1	1	2	1	1	2		RB
Area "A"		1530		✓	2LGW9D-2	8	2	2	1	1				2		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB A B# 1699904356	

Order No. 70440 (0693)

0010

ENS KS

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VOC	1L Amber SVOC	1L PE, TAL Metals Boron, Hardness	1L PE Dissolved TAL Metals, Boron	1L Amber O&G	1L Amber TOC COD	1L PE TSS, BOD, TSS, PHOS, AMMON	REMARKS
Torpedo Shop	7/6/94	1735		✓	7GW1D-2	18	6	6	3	3				RUN ALSO MS/MSD
Trip Blank	7/6/94	1630		✓	TB10-2	2	2							TB
TORPEDO SHOP	7.6.94	1636		✓	7GW7S-2	6	2	2	1	1				
"	7.6.94	1730		✓	7GW65-2	6	2	2	1	1				RB
RINSATE BLANK	7.7.94	0730		✓	RB09-2	6	2	2	1	1				
AREA A	↓	1030		✓	2WGW21D-2	6	2	2	1	1				
"		1090		✓	2WGW21S-2	6	2	2	1	1				
TORPEDO SHOP		1452		✓	7GW2S-2	6	2	2	1	1				
"	↓	1016		✓	7GW2D-2	10	2	2	1	1	2	1	1	

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[illegible]	7.7.94 1640	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB AB # 1699904334	

Order No. 70440 (0693)

000011

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VIAL VOC	1 L AMBER VOC	1 L PE METALS + BOR	1 L PE TOTAL METALS + BOR + HARDNESS DISS. TAL	1 L AMBER + PH	1 L AMBER OIL & GREASE	1 L AMBER TOC, COD	1 L PE TSS, BOD PHOS, AMMONIA	1 L PE RADIO CHEM	1 L AMBER PESS/PCB	REMARKS
TRIP BLANK	7.7.94	1640		—	TB-11-2	2	2										
TORPEDO SHOP	↓	1634		—	7GW4S-2	6	2	2	1	1							
↓		1723		—	7GW11S-2	6	2	2	1	1							
		1823		—	7GW8S-2 2WGW15-2	7	2	2	1	1	1						
AREA A		1825		—	2WGW2D-2	6	2	2	1	1							
11	↓	1900		—	2WGW22D-2	6	2	2	1	1							
RINSATE BLANK	7.8.94	0800		—	RB 11-2	11	2	2	1	1	1				2	2	
		0930		—	7GW10S-2	7	2	2	1	1	1						
		0820		—	7GW5D-2	10	2	2	1	1		2	1	1			
		1000		—	2LGW20S-2	6	2	2	1	1							
		1022		—	7GW9S-2	7	2	2	1	1	1						
		1140		—	2LGW20D-2	6	2	2	1	1							
A-86		1230		—	4GW4D-2	8	2	2	1	1						2	
A-86		1240		—	4GW4S-2	8	2	2	1	1						2	

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[signature]	7.8.94 1630	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB A B # 1699904345	

Order No. 70440 (0693)

000012

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOC	1 L AMBER VOC	1 L PE METALS	1 L PE TOTAL METALS + BOR. + HARDNESS	1 L PE DISS. METALS + BOR	1 L AMBER PEST/PCB	1 L PE RADIO CHEM	REMARKS
~~AREA A~~	~~7.8.94~~	~~1420~~		~~—~~	~~2LGW135-2~~	~~6~~	~~2~~	~~2~~	~~1~~	~~1~~				NO SAMPLE
AREA A	7.8.94	1430		—	2LGW130-2	8	2	2	1	1		2		
AREA A	7.8.94	1000		—	2LGW205-D-2 (2WCLWD1)	6	2	2	1	1				DUP

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[signature]	7.8.94 1630	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED SW LAB A B# 1699904345	

Order No. 70440 (0693)

00013

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VOC	1 L AMBER 5 VOC	1 L PE TOTAL METALS + BOR + HARDNESS	1 L PE DISS. TAL METALS + BORON			REMARKS
TRIP BLANK	7.8.94	1640		—	TB-12-2	2	2						TRIP BLANK
AREA A	7.8.94	1803		—	2DGW30S-2	6	2	2	1	1			
↓	7.9.94	0935		—	2WGW5D-2	6	2	2	1	1			
↓	↓	1002		—	2WGW55-2 ~~2WGW60S-2~~	6	2	2	1	1			
RINSATE BLANK	↓	1035		—	RB-12-2	6	2	2	1	1			
AREA A	↓	0900		—	2DGW24S-2	6	2	2	1	1			
↓	↓	0945		—	2DGW16S-2	6	2	2	1	1			
↓	↓	1040		—	2DGW25S-2	18	6	6	3	3			RUN ALSO MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	7.9.94 1400	FED EX			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB A.B.# 1699904323	

Order No. 70440 (0693)

00014

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VIAL VOC	1 L AMBER SVOC	1 L PE TOTAL MET. + BOR. + HARDNESS	1 L PE DISS. TOT. METALS + BOR.	1 L PE RADIO CHEM		REMARKS
TRIP BLANK	7.9.94	1410		✓	TB-13-2	2	2*				4.50		
AREA A		1505		✓	3GW12S-2	8	2	2	1	1	2		
		1510		✓	3GW12D-2	8	2	2	1	1	2		
		1609		✓	2DGW11S-2	8	2	2	1	1	2		
		1722		✓	2DGW11D-2	8	2	2	1	1	2		
		1840		✓	2DGW15D-2	6	2	2	1	1			
		1840		✓	2DGW15D-D-2	6	2	2	1	1			DUP
AREA A	7.10.94	1009		✓	2WGW6D-2	6	2	2	1	1			
"		1009		✓	2WGW6D-D-2	6	2*	2	1	1			
OBDANE		1022		✓	14GW1S-2	6	2	2	1	1			
AREA A		1537		✓	2LGW17S-2	6	2*	2	1	1			* VOC VIALS PRES. WITH BOTH HCL & SODIUM-THIOSULFATE
		1550		✓	2LGW19S-2	6	2	2	1	1		(195)	
		1632		✓	2LGW17D-2	6	2*	2	1	1			
RINSATE BLANK		1710		✓	RB-13-2	6	2*	2	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	7.11.94 1630	FED EX			
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Order No. 70440 (0693)

0000115

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC	1 L AMBER SVOC	1 L PE TOTAL METALS + BOR + HARDNESS	1 L PE DISSOLVED TOTAL METALS + BOR.	1 L PE RADIO CHEM		REMARKS
AREA A	7.10.94	1425		—	2WCGW35-2	6	2	2	1	1			
	7.11.94	1031		—	2WCGW25-2	6	2*	2	1	1			
		1035		—	2WGW40-2	8	2*	2	1	1	2		
		0907		—	2WCGW15-2 (2WCGW15-2)	6	2	2	1	1			LOW VOL. ON 2ND VIAL

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[signature]	7.11.94 1635				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB AB# 1699904312	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 40 ml DRY VOC	1 L AMBER SVOC	1 L PE TOTAL MET + BOR. + HARDNESS	1 L PE DISSOLVED TAL MET. + BORON			REMARKS
AREA A	7.8.94	1550		—	2DGW26D-2	6	2	2	1	1			
"	"	1605		—	2DGW26S-2	6	2	2	1	1			
													THIS SAMPLES WERE OMITTED FROM COC DATED 7.11.94. A COPY OF THIS WAS SENT TO SW LAB. SAMPLES WERE SHIPPED 7.11.94
													KES 7.12.94

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	7.11.94 1620				
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Order No. 70440 (0693)

000017

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ML VIAL VOC	1 L AMBER SVOC	1 L PE TOTAL METALS + BOR.	1 L PE DISSOLVED METALS + BOR. + HARDNESS	1 L AMBER PEST-PCB	1 L AMBER TPH	1 L AMBER TOC COD	1 L AMBER OIL & GREASE	1 L PE TSS, BOD, PHOS, AMMONIA	REMARKS	BOTTLE CHECK
TRIP BLANK	7.11.94	1650		—	TB-14-2	2	2										
AREA A	11	1545		—	2DGW10D-2	6	2	2	1	1							✓
RINSATE BLANK	7.12.94	0730		—	RB-14-2	9	2	2	1	1	2	1					✓
LOWER BASE	↓	0839		—	WE5-2	7	2	2	1	1		1					✓
BUNKER A 86	↓	1005		—	4GW15-2	8	2	2	1	1	2						✓
AREA A	↓	1145		—	2DGW295-2	6	2	2	1	1							✓
11	↓	1145		—	2DGW295-D-2	6	2	2	1	1						DUP	✓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	7.12.94 1630	FED EX			
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Order No. 70440 (0693)

000018

SUPPLEMENTAL THAMES RIVER/GOSS COVE

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): Tony Gilmore KS/TC

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml vial TCL VOCs	1 Amber TCL SVOCs	1 Amber PCB/PEST	1 Amber PE TAL metals Total	2 oz Glass TCL VOCs	8 oz Glass TCL SVOCs	8 oz Glass PCBs/PEST	4 oz Glass TAL Total metals	REMARKS
TRIP Blank	5/2/95	1700		X	TB-04	2	2								
Field Blank	↓	1710		X	FB-2	7	2	2	2	1					
Rinsate Blank	↓	1730		X	RB-04	7	2	2	2	1					Trowel
Goss Core	↓	1734		X	EC8-SD3-02	4					1	1	1	1	
Rinsate Blank	5/3/95	0800		X	RB-05	7	2	2	2	1					Bowl
Thames River	↓	0900		X	DUP-07	4	-				1	1	1	1	
↓	↓	0900		X	EC-SDTR07-02	4					1	1	1	1	
		0955		X	EC-T3SD1-02	4					1	1	1	1	
		1125		X	EC-SDTR06-02	4					1	1	1	1	
		1325		X	EC-T4SD2-02	4					1	1	1	1	
		1410		X	EC-SDTR05-02	8					2	2	2	2	MS/MSD
↓	↓	1505		X	EC-SDTR04-02	4					1	1	1	1	
↓	↓	1440		X	EC-SDTR03-02	4					1	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Tony Gilmore	5-3-95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. 2259722555 Southwest Lab	

Form No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): Tony Gibson KS/TE

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	16oz Jar AVS/SEM						REMARKS
GOSS Cove	5/2/95	1734		X	EC-8-SD3-Ø2	1	1						
Thames River	5/3/95	0000		X	DUP-07	1	1						
		0900		X	EC-SDTRØ7-Ø2	1	1						
		0955		X	EC-T3SD1-Ø2	1	1						
		1125		X	EC-SDTRØ6-Ø2	1	1						
		1325		X	EC-T4SD2-Ø2	1	1						
		1410		X	EC-SDTRØ5-Ø2	1	1						
		1505		X	EC-SDTRØ4-Ø2	1	1						
		1440		X	EC-SDTRØ3-Ø2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Tony Gibson	5-3-95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. 4858540072 Savannah Lab	

Order No. 70440 (0693)

000002

CHAIN C STODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8oz Jar TOC (Grain Size)						REMARKS
Goss Cove	5/2/95	1734		X	EC8-SD3-Ø2	1	1						
Thames Riv.	5/3/95	0800		X	DUP-07	1	1						
		0900		X	EC-SDTRØ7-Ø2	1	1						
		0955		X	EC-SDT3SD1-Ø2	1	1						
		1125		X	EC-SDTRØ6-Ø2	1	1						
		1325		X	EC-T4SD2-Ø2	1	1						
		1410		X	EC-SDTRØ5-Ø2	1	1						
		1505		X	EC-SDTRØ4-Ø2	1	1						
		1440		X	EC-SDTRØ3-Ø2	1	1						
		1550		X	EC-SDTRØ2-Ø2	1	1						
		1620		X	EC-T3SD4-Ø2	1	1						
		1655		X	EC-SDTRØ1-Ø2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5-4-95 1100				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. Geo Testing Express 1450763753	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	L PE Toxicity						REMARKS
GOSS Cove	5/3/95	1750		X	EC-8SD3-Ø2	4	4						
Thames River	↓	1550		X	EC-SDTRØ2-Ø2	4	4						
↓	↓	1620		X	EC-T3SD4-Ø2	4	4						
↓	↓	1655		X	EC-SDTRØ1-Ø2	9 ~~8~~	9 ~~8~~						Hold 4 until advised by Halliburton NUS; one extra collected if volume is needed
													TOTAL 9 - 5 EXTRA

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	5-4-95 1100				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. 6624990665 ETT Environmental	

Order No. 70440 (0693)

000004

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml TCL VOCs	2 oz jars TCL VOCs	8 oz jar TCL SVOCs	8 oz jar PCBs/PEST	4 oz jar TAL Total Metals			REMARKS
TRIP Blank	5/4/95	17 15		X	TB-Ø5	2	2							
Thames River	↓	15 50		X	EC-SDTRØ2-Ø2	4		1	1	1	1			
↓	↓	16 20		X	EC-T3SD4-Ø2	4		1	1	1	1			
↓	↓	16 55		X	EC-SDTRØ1-Ø2	4		1	1	1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5.4.95 1100				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. 2259722566 Southwest Lab	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	16 oz Jar AVS/GEM						REMARKS
Thames River	5/3/95	1550		X	EC-SDTR Ø2-Ø2	1	1						
↓	↓	1620		X	EC-T3SD4-Ø2	1	1						
↓	↓	1655		X	EC-SDTRØ1-Ø2	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5/8/95 1100				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill No. 4858540083 Savannah Lab	

Order No. 70440 (0693)

000006

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB/NLON

SAMPLERS (SIGNATURE): Tony Gilmore KS/TE

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 PE-Toxicity						REMARKS
Thames River	5/3/95	0900		X	EC-SDTRØ7-Ø2	4	4						
↓	↓	0955		X	EC-T3SD1-Ø2	4	4						
		1125		X	EC-SDTRØ6-Ø2	4	4						
		1325		X	EC-T4SD2-Ø2	4	4						
		1410		X	EC-SDTRØ5-Ø2	4	4						
↓	↓	1505		X	EC-SDTRØ4-Ø2	4	4						
↓	↓	1440		X	EC-SDTRØ3-Ø2	4	4						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Tony Gilmore	1630 5/3/95				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Fed Ex Air Bill 0 767205154 ETT Environmental	

Order No. 70440 (0693)

000007

SUPPLEMENTAL AREA A DOWNSTREAM/OBDA SAMPLING

CHAIN OF CUSTODY RECORD

pg 1 of 1

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Corey A Rich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TSS 250mL PE Bottle						REMARKS
FISHTOWN BROOK	3/14	0855		✓	EC-SW FB29-01	1	1						
"	3/14	1035		✓	EC-SW FB28-01	1	1						
PEQUOT WOODS POND	3/14	1125		✓	EC-SW PP27-01	1	1						
"	3/14	1345		✓	EC-SW PP26-01	1	1						
"	3/14	1500		✓	EC-SW PP25-01	1	1						
ATLANTIC POND	3/15	0805		✓	EC-SW NP22-01	1	1						
"		0825		✓	EC-SW NP23-01	1	1						
"		0852		✓	EC-SW NP24-01	1	1						
STREAM 2		1120		✓	EC-SW S207-01	1	1						
"		1150		✓	EC-SW S208-01	1	1						
"		1345		✓	EC-SW S209-01	1	1						
STREAM 3		1428		✓	EC-SW S213-01	1	1						STREAM 3
"		1450		✓	EC-SW S214-01	1	1						"
"		1611		✓	EC-SW S215-01	1	1						"

3.14.95

3.15.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A Rich	3.16.95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX A.B.# 169990426 4	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

pg 1 of 2

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACROINVERTEBRATE TAXONOMY						REMARKS
FISHTOWN BROOK	3/14	0855	✓		EC-SD FB 29-01	5	5						ALL SAMPLES IN GT W/M P.E. JARS
"		1035	✓		EC-SD FB 28-01	3	3						
PEQUOT WOODS PONDS		1125	✓		EC-SD PP 27-01	4	4						
"		1155		✓	EC-SD PP 27-01 DIP NET	2	2						
"		1345	✓		EC-SD PP 26-01	4	4						
"		1400	✓		EC-SD PP 25-01	3	3						
NIANTIC POND	3/15	0805	✓		EC-SD NP 22-01	2	2						
"		0920		✓	EC-SD NP 22-01 DIP NET	2	2						
"		0825	✓		EC-SD NP 23-01	2	2						
"		0852	✓		EC-SD NP 24-01	3	3						
STREAM 2		1120	✓		EC-SD S 207-01	7	7						
"		1150	✓		EC-SD S 208-01	5	5						
"		1345	✓		EC-SD S 209-01	6	6						
STREAM 3		1428	✓		EC-SD S 313-01	2	2						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	3-15-95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX A.B. # 2299779020	

Order No. 70440 (0693)

3-14-95

3-15-95

000002

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACROINVERTEBRATE TAXONOMY						REMARKS
~~STREAM 2~~	~~3/15~~	~~1345~~	~~✓~~		~~EC-SD S209-01~~ RS								ALL SAMPLES IN W/M QT
STREAM 3	3/15	1450	✓		EC-SD S214-01	2	2						STREAM 3 PE JARS

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	3.15.95 1650				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX A.B.# 2299779020	

Order No. 70440 (0693)

00003

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB · NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACROINVERTEBRATE TAXONOMY						REMARKS
STREAM 3	3/15	1611	✓		EC·SD S315·01	~~4~~ 3	~~4~~ 3						(3 TOTAL BOTTLES)
UPPER POND	3/15	1654	✓		EC·SD UP16·01	4	4						
"	3/16	0730	✓		EC·SD UP17·01	2	2						
"		0825	✓		EC·SD UP18·01	3	3						
"		0750		✓	EC·SD UP17-01 DIP NET	1	1						
OBDA POND		0922	✓		EC·SD OP06·01	6	6						
"		0935	✓		EC·SD OP06-01 DIP NET	3	3						
"		1030	✓		EC·SD OP05-01	3	3						
"		1105	✓		EC·SD OP04-01	2	2						
LOWER POND		1406	✓		EC·SD LP10·01	5	5						
"		1430		✓	EC·SD LP 10-01 DIP NET	2	2						ALL SAMPLES
"		1435	✓		EC·SD LP11-01	3	3						IN W/M QTS.
"		1455	✓		EC·SD LP 12·01	3	3						

3.15.95

3.16.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	3·16·95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX A.B. # 4056791503	

Order No. 70440 (0693)

0000004

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TSS 250 ML PE BOTTLE						REMARKS
UPPER POND	3/15	1654		—	EC SWUP16-01	1	1						
—	3/15	0000		—	DUP-01	1	1						DUP-01
UPPER POND	3/16	0730		—	EC-SWUP17-01	1	1						
—		0000		—	DUP-02	1	1						DUP-02
UPPER POND		0825		—	EC-SWUP18-01	1	1						
OBDA POND		0922		—	EC-SWOP06-01	1	1						
"		1030		—	EC-SWOP05-01	1	1						
"		1105		—	EC-SWOP04-01	1	1						
LOWER POND		1406		—	EC-SWLP10-01	1	1						
"		1435		—	EC-SWLP11-01	1	1						
"		1455		—	EC-SWLP12-01	1	1						

3.15.95

3.16.95

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[signature]	3·16·95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX AB # 169990426 4	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACROINVERTEBRATE TAXONOMY						REMARKS
STREAM 4	3/16	1657	✓		EC-SDS419-01	3	3						ALL SAMPLES
"	↓	1712	✓		EC-SDS420-01	3	3						IN W/M QT
"	↓	1738	✓		EC-SDS421-01	2	2						JARS
STREAM 1	3/17	0725	✓		EC-SDS101-01	3	3						
"	↓	0804	✓		EC-SDS102-01	4	4						
"	↓	0838	✓		EC-SDS103-01	4	4						

3.16.95

3.17.95

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[signature]	3.17.95 1630				
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Order No. 70440 (0693)

90000

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TSS 250 ML PE BOTTLE						REMARKS
STREAM 4	3/16	1657		✓	EC-SWS419 -01	1	1						~~ALL SAMPLES~~ KES
11	↓	1712		✓	EC-SWS420 -01	1	1						~~IN W/IN~~
11	↓	1738		✓	EC-SWS421 -01	1	1						~~QT PE BOTTLES~~
STREAM 1	3/17	0725		✓	EC-SWS101 -01	1	1						
↓	↓	0804		✓	EC-SWS102 -01	1	1						
		0838		✓	EC-SWS103 -01	1	1						
		0000		✓	DUP -03	1	1						

3.16.95

3.17.95

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[signature]	3.17.95 1640				
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Order No. 70440 (0693)

00007

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACRO TAXONOMY	QT W/M P					REMARKS
STREAM 1	4/5	1413	✓		EC-SDS101-02	3	3						
"		1433	✓		EC-SDS102-02	3	3						
"		1504	✓		EC-SDS103-02	4	4						
OBDA POND		1543		✓	EC-SDOP04-02 DIP NET	2	2						
"		1530	✓		EC-SDOP04-02	1	1						
"	4/6	0800	✓		EC-SD OP05-02	2	2						
"		0818	✓		EC-SD OP06-02	4	4						
STREAM 3		0855	✓		EC-SDS313-02	2	2						
"		0920	✓		EC-SDS314-02	1	1						
"		0950	✓		EC-SD S315-02	3	3						
UPPER POND		1008	✓		EC-SDUP16-02	4	4						
"		1035		✓	EC-SDUP16-02 DIPNET	2	2						
"		1120	✓		EC-SDUP17-02	1	1						
"		1410	✓		EC-SDUP18-02	3	3						

4.5.95

4.6.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4.6.95 1755				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: ~~FED EX A.B. #~~ 125 SHIPPED UPS 3 COOLERS	

Order No. 70440 (0693)

00008

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB-NLON

SAMPLERS (SIGNATURE): Corey A. Piel

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACRO TAXONOMY QT WM PE						REMARKS
PEQUOT WOODS	4/7	1046	✓		EC-SDPP26-02	3	3						
"		1118	✓		EC-SDPP25-02	2	2						
"		1128		✓	EC-SDPP25-02 DIP NET	1	1						DIPNET
NINATIC POND		1355	✓		EC-SDNP22-02	2	2						
"		1415	✓		EC-SDNP23-02	2	2						
"		1439		✓	EC-SDNP23-02 DIP NET	1	1						DIP NET
"		1450	✓		EC-SDNP24-02	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4-7-95 1700				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED UPS	

Order No. 70440 (0693)

60000

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	MACRO TAXONOMY (QT w/ PE)						REMARKS
~~UPPER POND~~	4/6	~~1410~~	✓		~~EC-SDUP10-02~~	~~3~~	~~3~~						EC-SDUP10-02 SHIPPED ON 4.6.95
STREAM 4	↓	1438	✓		EC-SDS419-02	3	3						
"		1502	✓		EC-SDS420-02	2	2						
"		1530	✓		EC-SDS421-02	2	2						
STREAM 2		1602	✓		EC-SDS207-02	4	4						
"		1630	✓		EC-SDS208-02	3	3						
"		1656	✓		EC-SDS209-02	4	4						
LOWER POND		1730	✓		EC-SDLP10-02	~~3~~ 4	~~3~~ 4	15					4 w/M QTS
"		1755	✓		EC-SDLP11-02	2	2						
"		1810		✓	EC-SDLP11-02 DIP NET	5	5						
"	↓	1835	✓		EC-SDLP12-02	3	3						
FISHTOWN BROOK	4/7	0840	✓		EC-SDFB29-02	4	4						
"	↓	0945	✓		EC-SDFB28-02	2	2						
PEDIOT POND	↓	1007	✓		EC-SDPP27-02	5	5						

4.6.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Cory A. Ried	4/7/95 1700				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED UPS	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB- NLON

SAMPLERS (SIGNATURE): Timothy S

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA	1 L TCL VOC	1 L Amber TCL SVOC	1 L Amber TCL Pest/PCB	1 L Amber TCL Pest	1 L PE Total TAL Metals + Hg	1 L PE Diss TAL Metals + Hg	1 L PE CN	250 ml PE	1 L TSS	60 ml Amber TCL VOC	8 oz Glass TCL SVOC	8 oz Glass TCL Pest/PCB	4 oz Glass TAL Metals + Cyanide	REMARKS
	4/6/95	0815		✓	FB-1	10	2	2	2	RE ~~3~~	1	1	1		1						DI H_2O
	4/7/95	1735		✓	TB-1	2	2														
Niantic Pond	4/8/95	0815		✓	EC-SW NP 22-2	3				2				1							
↓	↓	0815	✓		EC-SD NP 22-2	1													1		
		0840		✓	EC-SW NP 23-2	10	2	2	2		1	1	1	1							
		0840	✓		EC-SD NP 23-2	4											1	1	1	1	
		—		✓	DUP-04	13	2	2	2		1	1	1				1	1	1	1	Duplicate #4
		0950			EC-SW NP24-2	3				2				1							
↓	↓	0950			EC-SD NP 24-2	1													1		
	4/8/95	1226			RB-01	10	2	2	2		1	1	1		1						Stainless Steel Trowel
Lower Pond	4/8/95	1123		✓	EC-SW LP 10-2	3				2				1							
↓	↓	1123	✓		EC-~~SW~~ SD LP 10-2	1													1		
		1145		✓	EC-SW LP 11-2	10	2	2	2		1	1	1	1							
↓	↓	1145	✓		EC-SD LP 11-2	DEL ~~3~~ 4											1	1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Timothy S	4.8.95 1400				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Southwest Lab of OK Fed Ex AB # 4056905484	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): Timothy SC

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8oz Glass	TCL Pest 1L Amber	TCL Pest 2D WL	TSS				REMARKS
Lower Pond	4/8/95	1220	'	✓	EC-SWLP12-2	3		2	1					
↓	↓	1220	✓		EC-SDLP12-2	1	1							

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Timothy SC	4.8.95 1400				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: FED EX AB # 4056905484 TO SW LABS	

Order No. 70440 (0693)

00012

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Hg Mercuric Bl	EETAX PE 1 gallon	EETAX				REMARKS
Niantic Pond	4/8/95	0840	✓		EC-SDNP23-2	1		1					
Lower Pond	↓	1145	✓		EC-SDLP11-2	1		1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	4.8.95 1400				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to Stover Group AB# 6624990702	

Order No. 70440 (0693)

000013

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB NLON

SAMPLERS (SIGNATURE): Timothy S E

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Tissue Pb	Macroinvert Toxicity	Sediment Toxicity	Total Extractable Lipids	1L PE Macro Invert	TOX			REMARKS
Niantic Pond	4/8/95	0840	✓		EC-SDNP 23 -2	2				2					
Lower Pond	↓	1145	✓		EC-SDLP 11 -2	2				2					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	4-8-95 1400				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to ETT FedEx AB# 6624990702	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL vial TCL VOC	1 L AMBER TCL SVOC	1 L AMBER TCL PEST/PCB	1 L PE TOTAL TAL METALS + Bo + HNO3	1 L PE TOTAL TAL METALS + Ba + HNO3 (DISS.)	1 L AMBER TCL PEST	1 L PE CN	250 mL PE TSS	1 L AMBER TOC	2 oz GLASS TCL VOC	8 oz GLASS TCL SVOC	8 oz GLASS TCL PEST/PCB	8 oz GLASS TAL METALS + CN	4 oz GLASS TCL PEST	REMARKS
TRIP BLANK	4/8/95	1550		✓	TB - Ø2	2	2														
EQUIP. RINSATE	4/8/95	1615		✓	RB - Ø2	10	2	2	2	1	1		1	1	1						PONAR *
FISHTRAP BROOK	4/8/95	1700		✓	EC-SWFB29-Ø2	10	2	2	2	1	1		1	1							
"	4/8/95	1700	✓		EC-SDFB29-Ø2	4									1	1	1		1		
STREAM 1	4/9/95	0942	✓	✓	EC-SWS1Ø1-Ø2	3						2		1							
"	4/9/95	0942	✓		EC-SDS1Ø1-Ø2	1													1		
"	4/9/95	1010		✓	EC-SWS1Ø2-Ø2	24	6	4	4	3	3		3	1							DO MS/MSD
"	4/9/95	1010	✓		EC-SDS1Ø2-Ø2	8									2	2	2			2	DO MS/MSD
"	4/9/95	1046		✓	EC-SWS1Ø3-Ø2	3						2		1							
"	4/9/95	1046	✓		EC-SDS1Ø3-Ø2	1													1		
Stream 2		1400		✓	EC-SWS2Ø7-Ø2	3						2		1							
↓	↓	1400	✓		EC-SDS2Ø7-Ø2	1													1		
		1415		✓	EC-SWS2Ø8-Ø2	3						2		1							
↓	↓	1415	✓		EC-SDS2Ø8-Ø2	1													1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4.10.95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED FED EX A.B.# 1450763683	

Order No. 70440 (0693)

* EQUIP. RINSATE FOR SAMPLING AFTER 1700 4.8.95 THUR END OF SAMPLING 4.9.95

SW LABS OF OR

000015

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL VOA TCL VOC	1L Amber TCL SVOC	1L Amber TCL Pest/PCB	1L PE Total TAL Metals & Hard	1L PE Diss TAL Metals & Hard	1L Amber TCL BNA	1L PE CN	250 mL PE TSS	1L Amber 2oz TCL	8oz Glass TCL	8oz Glass SVOC	8oz Glass Pest/PCB	4oz Glass TAL Metals & CN	REMARKS
Stream 2	4/9/95	1430		✓	EC-SWS2Ø9-Ø2	10	2	2	2	1	1		1	1						
"	"	"	✓		EC-SDS2Ø9-Ø2	~~5~~ 4										~~1~~	1	1		1	
"	"	0000			Dup - Ø5	~~14~~ 13	2	2	2	1	1		1	~~1~~		~~1~~	1	1		1	Duplicate - Ø5
FishTown Brook	"	1620		✓	EC-SWFB28-Ø2	10	2	2	2	1	1		1	1							
"	"	1620	✓		EC-SDFB28-Ø2	4										1	1	1		1	
Rinsate Blank	4/10/95	0720		✓	RB-03	10	2	2	2	1	1		1		1						Stainless Bucket
Stream Ø3	4/10/95	0805		✓	EC-SWS313-Ø2	10	2	2	2	1	1		1	1							
"	4/10/95	0805	✓		EC-SDS313-Ø2	4										1	1	1		1	
"	4/10/95	0845		✓	EC-SWS3~~14~~ 15-Ø2	3						2		1							
"	4/10/95	0845	✓		EC-SDS314-Ø2	1													1		
"	4/10/95	0900		✓	EC-SWS315-Ø2	3						2		1							
"	4/10/95	0900	✓		EC-SDS315-Ø2	1													1		
Stream Ø4	4/10/95	0945		✓	EC-SWS419-Ø2	3						2		1							
"	4/10/95	0945	✓		EC-SDS419-Ø2	1													1		

4.9.95

4.10.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	4.10.95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Shipped to SW Lab of OK FedEx AB# 1450763683	

Order No. 70440 (0693)

0016

CHAIN C)STODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Corey A. Riel

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL Vial TCL VOC	1 L Amber TCL SVOC	1 L Amber TCL Pest/PCB	1 L PE TOTAL TAL METALS + B + hardness	1 L PE DISS TAL METALS + B + hardness	1 L Amber TCL Pest	1 L PE CN	250 mL PE TSS	1 L Amber TOC	2 oz glass TCL VOC	8 oz glass BOD	8 oz glass TCL SVOC	8 oz glass TCL Pest/PCB	8 oz glass TCL Pest	4 oz glass TAL METALS + CN + B	REMARKS
STREAM 04	4/10/95	0955		✓	EC-SWS420-02	10	2	2	2	1	1		1	1								
"	4/10/95	0955	✓		EC-SDS420-02	4										1	1	1		1		
"	4/10/95	1030		✓	EC-SWS421-02	3						2		1								
"	4/10/95	1030	✓		EC-SDS421-02	1													1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A. Riel	4.10.95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LAB OF OK FED EX AB # 1450763683	

OCS No. 70440 (0693)

017

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Geo glass Tic Grain size	8 oz glass TOC & grain size					REMARKS
Nantic Pond	4/8/95	0815	✓		EC-SDNP22-2	1		1					
		0840	✓		EC-SDNP23-2	1		1					TOC ONLY
		0000	✓		DUP-04	1		1					Duplicate - 04
		0950	✓		EC-SDNP24-2	1		1					
Lower Pond	10	1135	✓		EC-SDLP10-2	1		1					
		1145	✓		EC-SDLP11-2	1		1					
		1220	✓		EC-SDLP12-2	1		1					
FISHTOWN BROOK		1700	✓		EC-SDFB29-2	1		1					
STREAM 1	4/9/95	0942	✓		EC-SDS101-02	1		1					
"	4/9/95	1010	✓		EC-SDS102-02	1		1					
"	4/9/95	1046	✓		EC-SDS103-02	1		1					
FISHTOWN BROOK	4/9/95	1620	✓		EC-SDFB28-02	1		1					
STREAM 03	4/10/95	0805	✓		EC-SDS313-02	1		1					
"	4/10/95	0845	✓		EC-SDS314-02	1		1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	4-8-95 [illegible]				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[illegible]	4-11-95 1600				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Send to Geotesting Testing Ex Fed Ex AB# 4056905495	

Order No. 70440 (0693)

000018

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Corey A. Rul

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz GLASS TOC + 9MM SIZE							REMARKS
STREAM 03	4/10/95	0900	✓		EC-SDS315-02	1	1							
STREAM 04	4/10/95	0915	✓		EC-SDS419-02	1	1							
"	4/10/95	0955	✓		EC-SDS420-02	1	1							
"	4/10/95	1030	✓		EC-SDS421-02	1	1							
PEGHOT WOODS	4/10/95	1355	✓		EC-SDPP26-02	1	1							
↓	↓	1440	✓		EC-SDPP27-02	1	1							
↓	↓	1550	✓		EC-SDPP25-02	1	1							
OBDA POND	4/11/95	0835	✓		EC-SD OP04-02	1	1							
↓	↓	0845	✓		EC-SD OP05-02	1	1							
↓	↓	0910	✓		EC-SD OP06-02	1	1							
UPPER POND	↓	0935	✓		EC-SD UP16-02	1	1							
↓	↓	0945	✓		EC-SD UP17-02	1	1							
↓	↓	1015	✓		EC-SD UP18-02	1	1							
	4/11/95	0000			DUP-06	1	1							DUPLICATE - 06

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A. Rul	4-10-95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO GEOTESTING EXPRESS FED EX AB# 4056905495	

Order No. 70440 (0693)

HALLIBURTON NUS Environmental Corporation and Subsidiaries

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NION

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz GLASS TOC & GRAIN SIZE						REMARKS
STREAM 2	4/9/95	1400	✓		EC-SDS207-02	1	1						THESE SAMPLES
↓	↓	1410	✓		EC-SDS208-02	1	1						WERE OMITTED FROM
↓	↓	1425	✓		EC-SDS209-02	1	1						THE COC DATED 4.9.95.
													THEY WERE SHIPPED ON
													4.9.95 - COC FAXED
													TO GEO TESTING
													ON 4.21.95 KES

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	4.11.95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO GEO TESTING EXPRESS FED EX A.B# 4056905495	

HNUS 440 REVISED 0891

000020

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): Corey A Rid

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 L PE MACRO TOXICITY						REMARKS
FISHTOWN BROOK	4/8/95	1700	✓		EC-SDFB29-02	4	2						COMPARE WITH EC-SDS102-02 AND EC-SDS209-02
STREAM 01	4/9/95	1010	✓		EC-SDS102-02	2	2						COMPARE WITH EC-SDFB29-02
STREAM 02	4/9/95	1430	✓		EC-SDS209-02	2	2						COMPARE WITH EC-SDFB29-02
FISHTOWN BROOK	4/9/95	1620	✓		EC-SDFB28-02	4	4						COMPARE WITH EC-SDS313-02 AND EC-SDS420-02
STREAM 03	4/10/95	0805	✓		EC-SDS313-02	2	2						COMPARE WITH EC-SDFB28-02
STREAM 04	4/10/95	0955	✓		EC-SDS420-02	2	2						COMPARE WITH EC-SDFB28-02

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A Rid	4-10-95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO ETT FEDEX AB # 4056905521	

Order No. 70440 (0693)

00021

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Cory A Reid

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 GAL PE FETAX						REMARKS
FISHTOWN BROOK	4/10/95	1700	✓		EC-SDFB29-02	2	2						COMPARE WITH EC-SDS102-02 AND EC-SDS209-02
STREAM 01	4/9/95	1010	✓		EC-SDS102-02	1	1						COMPARE WITH EC-SDFB29-02
STREAM 02	4/9/95	1430	✓		EC-SDS209-02	1	1						COMPARE WITH EC-SDFB29-02
FISHTOWN BROOK	4/9/95	1620	✓		EC-SDFB28-02	2	2						COMPARE WITH EC-SDS313-02 AND EC-SDSA20-02
STREAM 03	4/10/95	0805	✓		EC-SDS313-02	1	1						COMPARE WITH EC-SDFB28-02
STREAM 04	4/10/95	0955	✓		EC-SDSA20-02	1	1						COMPARE WITH EC-SDFB28-02

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Cory A Reid	4-10-95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO STOVER GROUP FED EX A.B. #4056905215	

Order No. 70440 (0693)

000022

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): Corey A. Rich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 mL VIAL TCL VOC	1L AMBER TCL SVOC	1L AMBER TCL PEST/PCB	1L PE TOTAL METALS + Boil + HARDNESS	1L PE DISS METALS + Boil + HARD	1L AMBER TCL PEST	1L PE CN	250 mL PE TSS	1L AMBER TOC	2 OZ GLASS TCL VOC	8 OZ GLASS TCL SVOC	8 OZ GLASS TCL PEST/PCB	8 OZ GLASS TAL METALS + OUT BOILER	REMARKS
TRIP BLANK	4/11	0720		✓	TB-03	2	2													
RINSATE BLANK	4/11	0720		✓	RB-03	10	2	2	2	1	1		1		1					STAINLESS TRUCK
PEQUOT WOODS	4/10	1355		✓	EC-SWPP26-02	10	2	2	2	1	1		1	1						
		1355	✓		EC-SDPP26-02	4									1	1	1		1	
		1440		✓	EC-SWPP27-02	3						2		1						
		1440	✓		EC-SDPP27-02	1												1		
		1500		✓	EC-SWPP25-02	3						2		1						
		1500	✓		EC-SDPP25-02	1												1		
OBOA POND	4/11/95	0835		✓	EC-SWOP04-~~02~~ 02	3						2		1						
		0835	✓		EC-~~SW~~ SD OP04-02	1												1		
		0845		✓	EC-SW OP05-02	10	2	2	2	1	1		1	1						
		0845	✓		EC-SD OP05-02	4									1	1	1		1	
		0910		✓	EC-SWOP06-02	3						2		1						
		0910	✓		EC-SD OP06-02	1												1		

4.11.95

4.10.95

4.11.95

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A. Rich	4.11.95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LABS OF OK FED EX AB # 2259722592	

Order No. 70440 (0693)

00023

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz glass TCL Pest	40 ml vial TCL VOC	1L Amber TCL SVOC	1L Amber TCL Pest/PCB	1L PE Total Metals/Hg	1L PE Diss Metals/Hg	1L Amber TCL Pest	1L PE CN	250 ml PE TSS	2 oz 14k 8 oz glass VOC	8 oz glass TCL SVOC	4 oz glass Pest/PCB	8 oz glass TAL Metals/Cyanide	REMARKS
UPPER POND	4/11/95	0935		✓	EC-SWUP16-Ø2	3							2		1					
		0935	✓		EC-SDUP16-Ø2	1	1													
		0945		✓	EC-SWUP17-Ø2	3							2		1					
		0945	✓		EC-SDUP17-Ø2	1	1													
				✓	TRE EC-SWUP18-Ø2	10		2	2	2	1	1		1	1					
			✓		EC-SD UP18-Ø2	4										1	1	1	1	
	4/11/95	0000			DUP ~~LICATE~~ TRE - Ø6	3	1						2		KS					Duplicate-Ø6

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[signature]	4-11-95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO SW LABS OF OK A.B.# 2259722592	

Order No. 70440 (0693)

00024

CHAIN C USTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TL PE MACRO TOXICITY						REMARKS
PEQUOT WOODS	4/10/95	1355	✓		EC-SDPP26-02	4	4						COMPARE WITH EC-SDUP18-02 AND EC-SDOP05-02
OBOA POND	4/11/95	0845	✓		EC-SD OP 05-02	2	2						COMPARE W/ EC-SDPP26-02
UPPER POND	4/11/95	10 15	✓		EC-SDUP18-02	2	2						COMPARE W/ EC-SDPP26-02

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Corey A. [illegible]	4-11-95 1630				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO ETT FED EX AB# 1450850612	

Order No. 70440 (0693)

0000025

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Corey A. Rich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 GAL PE FETAX						REMARKS
PEQUOT WOODS	4/10/95	1355	✓		EC-SDPP26-02	2	2						COMPARE WITH EC-SDUP18-02 & EC-SDOP05-02
OBOA POND	4/11/95	0845	✓		EC-SDOPØ5-Ø2	BE 1	1						COMPARE w/ EC-SDPP26-02
UPPER POND	4/11/95	1015	✓		EC-SDUP18-Ø2	1	1						COMPARE w/ EC-SDPP26-02

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Corey A. Rich	4-11-95 1630				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SENT TO STOVER GROUP FED EX A.B. #4056905182	

Order No. 70440 (0693)

0000026

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Terry Rogal

STATION NO.	DATE 95	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TOTAL ORGANIC CARBON 8015 TAC						REMARKS
STREAM 1	7/18	1320		✓	EC-SDS101-02	1	1						
"		1327		✓	EC-SDS102-02	1	1						
"		1340		✓	EC-SDS103-02	1	1						
STREAM 2		1350		✓	EC-SDS207-02	1	1						
"		1355		✓	EC-SDS208-02	1	1						
"		1408		✓	EC-SDS209-02	1	1						
LOWER POND		1415		✓	EC-SDLP10-02	1	1						
"		1420		✓	EC-SDLP11-02	1	1						
"		1425		✓	EC-SDLP12-02	1	1						
STREAM 3		1433		✓	EC-SDS313-02	1	1						
"		1440		✓	EC-SDS314-02	1	1						
"		1450		✓	EC-SDS315-02	1	1						
COVE		1825		✓	EC-8SD3-02	1	1						
OBDA POND	7/19	0840		✓	EC-SDOP04-02	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Terry Rogal	7/19/95 1730	FEDERAL EXPRESS AB# 1450763705			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO GEOTESTING EXPRESS FOR ANALYSIS METHOD = SW-846/9060	

Order No. 70440 (0693)

00027

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Terry Rogers

STATION NO.	DATE 95	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TOTAL ORGANIC CARBON 8oz JAR						REMARKS
OBDA POND	7/19	0845		✓	EC-SDOP06-02	1	1						
"		0850		✓	EC-SDOP05-02	1	1						
UPPER POND		0900		✓	EC-SDUP17-02	1	1						
"		0903		✓	EC-SDUP16-02	1	1						
"		0908		✓	EC-SDUP18-02	1	1						
DUP		-		✓	DUP-06	1	1						
STREAM 4		0915		✓	EC-SDS419-02	1	1						
"		0920		✓	EC-SDS420-02	1	1						
"		0925		✓	EC-SDS421-02	1	1						
FISH-TOWN		1028		✓	EC-SDFB29-02	1	1						
"		1049		✓	EC-SDFB28-02	1	1						
PEQUOT POND		1115		✓	EC-SDPP25-02	1	1						
"		1130		✓	EC-SDPP26-02	1	1						
"		1135		✓	EC-SDPP27-02	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Terry R. Rogers	7/19/95 1730	FEDERAL EXPRESS AB# 1450763705			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO GEOTESTING EXPRESS FOR ANALYSIS METHOD = SW-846/9060	

Order No. 70440 (0693)

00028

CHAIN C USTODY RECORD

PROJECT NO.:	SITE NAME:
9594	NSB-NLON

SAMPLERS (SIGNATURE): Terry Rogers

STATION NO.	DATE 95	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TOTAL ORGANIC CARBON 602 Inc						REMARKS
Niantic Pond	7/19	1240		✓	EC-SDNP22-02	1	1						
"	↓	1240		✓	EC-SDNP23-02	1	1						
—	↓	—		✓	DUP-04	1	1						
Niantic POND	↓	1243		✓	EC-SDNP24-02	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Terry R. Rogers	7/19/95 1730	FEDERAL EXPRESS AB# ~~1405~~ 1450763705			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: SHIPPED TO GEOTESTING EXPRESS FOR ANALYSIS METHOD = SW-846/9060	

Order No. 70440 (0693)

00029

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB BOLON

SAMPLERS (SIGNATURE): Timothy S[illegible] Robert J. O[illegible] Paul M. Simone

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 quart with the Macro Taxonomy						REMARKS
Fishtown Brook	5/15/95	1652	✓		EC-SDFB29-Ø3	3	3						
↓	↓	1735	✓		EC-SDFB28-Ø3	1	1						
Pequot Woods	5/15/95	1755	✓		EC-SDPP27-Ø3	4	4						
↓	↓	1825	✓		EC-SDPP26-Ø3	3	3						
↓	↓	1842		✓	EC-SDPP26-Ø3 DIP NET	2	2						Dip Net
↓	↓	1915	✓		EC-SDPP25-Ø3	2	2						
Niantic Pond	5/16/95	0847	✓		EC-SDNP22-Ø3	2	2						
↓	↓	0904	✓		EC-SDNP23-Ø3	1	1						
↓	↓	0917	✓		EC-SDNP24-Ø3	2	2						
Niantic Pond	5/16/95	0926		✓	EC-SDNP24-03 Dip Net	1	1						Dip Net
Stream 1	↓	1101	✓		EC-SDS101-03	2	2						
↓	↓	1127	✓		EC-SDS102-03	3	3						
↓	↓	1146	✓		EC-SDS103-03	4	4						
Stream 2	↓	1346	✓		EC-SDS2Ø7-Ø3	3	3						

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/16

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Timothy S[illegible]	5.17.95 1570				
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Order No. 70440 (0693)

000030

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): Robert J. Ogle, Paul M. Simanski

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 qt w/in PE Macro Taxonomy						REMARKS
Stream 2	5/16/95	1406	✓		EC-SDS2Ø8-Ø3	3	3						
↓	↓	1424	✓		EC-SDS2Ø9-Ø3	4	4						
Stream 3	5/16/95	1435	✓		EC-SDS3 13-Ø3	2	2						
↓	↓	1530	✓		EC-SDS3 14-Ø3	2	2						
↓	↓	1605	✓		EC-SDS3 15-Ø3	3	3						
Upper Pond	5/16/95	1700	✓		EC-SDUP16-Ø3	3	3						
↓	↓	1715	✓		EC-SDUP17-Ø3	1	1						
↓	↓	1745	✓		EC-SDUP18-Ø3	2	2						
5/16 ↓	↓	1800		✓	EC-SDUP18-Ø3 DIP NET	1	1						Dip Net
5/17 Lower Pond	5/17/95	0805	✓		EC-SDLP1Ø-Ø3	2	2						
↓	↓	0820	✓		EC-SDLP11-Ø3	2	2						
↓	↓	0835	✓		EC-SDLP12-Ø3	3	3						
↓	↓	0847		✓	EC-SDLP12-Ø3 DipNet	1	1						Dip Net
OBDA Pond	↓	0910	✓		EC-SDOPØ4-Ø3	1	1						

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	5-17-95 1530				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to ETT via UPS	

Form No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): Thomas J. Gray, Robert J. Ogle, David M. Simonis

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 qt w/M PE Macro Taxonomy						REMARKS
OR-DA Pond	5/17/95	0925	✓		EC-SDOPØ5-Ø3	1	1						
↓	↓	0938		✓	EC-SDOPØ5-Ø3 Dip Net	2	2						Dip Net
		0955	✓		EC-SDOPØ6-Ø3	3	3						
Stream 4		1020	✓		EC-SDS419-Ø3	2	2						
		1035	✓		EC-SDS420-Ø3	1	1						
↓	↓	1045	✓		EC-SDS421-Ø3	1	1						

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Thomas J. Gray	5.17.95 1530				
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Order No. 70440 (0693)

000032

CHAIN OF CUSTODY RECORD

1 of 3

PROJECT NO.: 9594

SITE NAME: NSB - NLON

SAMPLERS (SIGNATURE): [illegible] / David M Lemire / Robert J. Ogden

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	250 mL PE TBS							REMARKS
TB ~~Hogpen~~ Fishtown Brook	5/15/95	1652		✓	EC-SWFB29-03	1	1							
↓		1735		✓	EC-SWFB28-03	1	1							
Pequot Woods	5/15/95	1755		✓	EC-SWPP27-03	1	1							
↓	↓	1825		✓	EC-SWPP26-03	1	1							
↓	↓	1942		✓	EC-SWPP25-03	1	1							
Niantic Pond	5/16/95	0847		✓	EC-SWNP22-03	1	1							
↓	↓	0904		✓	EC-SWNP23-03	1	1							
↓	↓	0917		✓	EC-SWNP24-03	1	1							
Stream 1	5/16/95	1111		✓	EC-SWS101-03	1	1							
↓	↓	1127		✓	EC-SWS102-03	1	1							
↓	↓	1146		✓	EC-SWS103-03	1	1							
Stream 2	5/16/95	1349		✓	EC-SWS207-03	1	1							
↓	↓	1406		✓	EC-SWS208-03	1	1							
↓	↓	1424		✓	EC-SWS209-03	1	1							

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[illegible]	5.17.95 1600				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent SW Labs of OK FedEx AB# 4056905322	

Order No. 70440 (0693)

0033

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): Don M. Simmons, Robert J. Oefinger

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	250 mL PE TSS						REMARKS
Stream 3	5/16/95	1455		✓	EC-SWS313-Ø3	1	1						
↓	↓	1530		✓	EC-SWS314-Ø3	1	1						
↓	↓	1605		✓	EC-SWS315-Ø3	1	1						
Upper Pond	5/16/95	1700		✓	EC-SWUP16-Ø3	1	1						
↓	↓	1715		✓	EC-SWUP ~~16~~ 17-Ø3	1	1						
↓	↓	1745		✓	EC-SWUP18-Ø3	1	1						
Stream	5/16/95	~~1445~~ 0000		✓	Duplicate-Ø8	1	1						
Lower Pond	5/17/95	0805		✓	EC-SWLP1Ø-Ø3	1	1						
↓	↓	0820		✓	EC-SWLP11-Ø3	1	1						
↓	↓	0835		✓	EC-SWLP12-Ø3	1	1						
OBDA Pond	↓	0910		✓	EC-SWOPØ4-Ø3	1	1						
↓	↓	0925		✓	EC-SWOPØ5-Ø3	1	1						
↓	↓	0955		✓	EC-SWOPØ6-Ø3	1	1						
Stream 4	↓	1020		✓	EC-SWS419-Ø3	1	1						

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[signature]	5-17-95 1600				
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Order No. 70440 (0693)

000034

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): Thomas S. Donald M. Simanic Robert J. Oefinger

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	250 mL PE Poly							REMARKS
Stream 4	5/17/95	1035		✓	EC-SW5426-03	1	1							
↓	5/17/95	1045		✓	EC-SW5421-03	1	1							

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Thomas S.	5-17-95 1600				
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Order No. 70440 (0693)

000435

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): Timothy S. [illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	250 mL PE TSS						REMARKS
Fishtown Brook	6/23/95	1041		✓	EC-SWFB29-04	1	1						
↓		1142		✓	EC-SW FB28-04	1	1						
Pequot Pond		1203		✓	EC-SW PP27-04	1	1						
		1229		✓	EC-SW PP 26-04	1	1						
↓		1317		✓	EC-SW PP 25-04	1	1						
Niantic Pond		1630		✓	EC-SW NP ~~23~~ 22-04	1	1						EC-SWNP22-04
		1657		✓	EC-SW NP23-04	1	1						
↓	↓	1712		✓	EC-SW NP24-04	1	1						
Stream 1	6/24/95	0845		✓	EC-SW S101-04	1	1						
		1000		✓	EC-SW S102-04	1	1						
↓		1021		✓	EC-SW S1~~02~~ 03-04	1	1						EC-SWS103-04
OBDA Pond		1050		✓	EC-SW OP04-04	1	1						
		1121		✓	EC-SW OP05-04	1	1						
↓	↓	1140		✓	EC-SW OP06-04	1	1						

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[illegible]	6/26 0900				
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to SW Labs of OK FedEx AB# 4056905355	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): Timothy JE

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	250 mL PE TSS						REMARKS
Lower Pond	6/24/95	1425		✓	EC-SWLP10-04	1	1						
↓	↓	1500		✓	EC-SWLP11-04	1	1						
↓	↓	1515		✓	EC-SWLP12-04	1	1						
Stream 3	↓	1545		✓	EC-SWS313-04	1	1						
↓	↓	1555		✓	EC-SWS314-04	1	1						
↓	↓	1610		✓	EC-SWS315-04	1	1						
Upper Pond	↓	1635		✓	EC-SWUP17-04	1	1						
↓	↓	1720		✓	EC-SWUP18-04	1	1						
Stream 4	↓	1740		✓	EC-SWS419-04	1	1						
↓	↓	1750		✓	EC-SWS420-04	1	1						
↓	↓	1806		✓	EC-SWS421-04	1	1						
	↓	0000		✓	Duplicate-09	1	1						Duplicate

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
	6/26 0900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

000037

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [signature] Timothy [signature] [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 qt. w/in PE Mason Taxonomy						REMARKS
Fishtown Brook	6/23/95	1040	✓		EC-SDFB29-Ø4	2	2						
↓		1148	✓		EC-SDFB28-Ø4	1	1						
Pequot Pond		1203	✓		EC-SD TSW PP27-Ø4	4	4						
		1220	✓		EC-SD PP26-Ø4	2	2						
		1317	✓		EC-SD PP25-Ø4	3	3						
↓		1340		✓	EC-SDPP25-Ø4 DIP NET	1	1						DIP NET
Nantic Pond		1630	✓		EC-SD NP22-Ø4	1	1						
		1635		✓	EC-SD NP22-Ø4 DIP NET	1	1						Dip Net
		1657	✓		EC-SD NP23-Ø4	1	1						
↓	↓	1712	✓		EC-SD NP24-Ø4	2	2						
Stream 1	6/24/95	0845	✓		EC-SDS1Ø1-Ø4	3	3						
		1000	✓		EC-SDS1Ø2-Ø4	3	3						
↓		1021	✓		EC-SDS1Ø3-Ø4	4	4						
OBDA Pond	↓	1050	✓		EC-SDGPØ4-Ø4	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature] [signature]	6.26.95 0900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Sent to ETT via UPS	

Order No. 70440 (0693)

000038

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1gt w/m PE Macro Extractably						REMARKS
OBDA Pond	6/24/95	1101		✓	EC-SD0P04-04 DipNet	1	1						Dip Net
↓	↓	1121	✓		EC-SD0P05-04	2	2						
↓		1140	✓		EC-SD0P06-04	4	4						
Lower Pond		1425	✓		EC-SDLP10-04	3	3						
↓		1435		✓	EC-SDLP10-04 DipNet	2	2						Dip Net
↓		1500	✓		EC-SDLP11-04	2	2						
↓		1515	✓		EC-SDLP12-04	2	2						
Stream 3		1545	✓		EC-SDS313-04	2	2						
↓		1555	✓		EC-SDS314-04	2	2						
↓		1610	✓		EC-SDS315-04	3	3						
Upper Pond		1635	✓		EC-SDUP17-04	2	2						
↓		1652		✓	EC-SDUP17-04 DipNet	1	1						Dip Net
↓		1730	✓		EC-SDUP18-04	3	3						
Stream 4	↓	1740	✓		EC-SDS419-04	4	4						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/26/95 0900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594

SITE NAME: NSB NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1gt w/m PE Macro Taxonomy						REMARKS
Stream 4	6/24/95	1750	✓		EC-SDS420-04	1	1						
↓	↓	1806	✓		EC-SDS421-04	1	1						

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/26/95 0900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

Order No. 70440 (0693)

0700

SUPPLEMENTAL GOSS COVE, AIR/SOIL SAMPLING

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594-0200

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [illegible]

STATION NO.	DATE	TIME	COMP	GRAB AIR	STATION LOCATION	NO. OF CONTAINERS	Tedlar Tube							REMARKS	Air Volume
Goss Cove	7/26/94	0904		X	8AS1	1	1							method TO1	5.76 L
Goss Cove		0908		x	8AS1-D	1	1								5.74 L
Goss Cove		[illegible]		x	8AS2-S1	1	1								5.97 L
Goss Cove		[illegible]		x	8AS2-S2	1	1								5.97 L
[illegible]		[illegible]		x	8AS3	1	1								5.75 L
Goss Cove		0900		x	ASTB1	1	1								N/A

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[illegible]	7/26/94 1300	FED EX			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Shipped To Pace Labs, Denver, Co via Fed Ex # 2195452254	

Order No. 70440 (0693)

CHAIN OF CUSTODY RECORD

PROJECT NO.: 9594-0200

SITE NAME: NSB-NLON

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB Air	STATION LOCATION	NO. OF CONTAINERS	Tenax Tubes						REMARKS	Air Volume
Goss Cove	8/23/94	0756		X	8AS1-Ø2	1	1						method TO1	5.67 L
		0800		X	8AS1-Ø2-D	1	1							5.82 L
		0802		X	8AS2-Ø2-S1	1	1							5.72 L
		0802		X	8AS2-Ø2-S2	1	1							5.72 L
		[illegible]		X	8AS3-Ø2	1	1							5.95 L
		[illegible]		X	8AS4-Ø2	1	1							5.58 L
		[illegible]		X	ASTB2	1	1							N/A

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	8/23/94 1600				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS: Shipped to PACE Labs, Denver CO via Fed Ex # 2195452313	

Order No. 70440 (0693)

IH 1974

INDUSTRIAL HYGIENE SAMPLE SUBMISSION FORM

CHAIN-OF-CUSTODY RECORD
Analytical Request

ENVIRONMENTAL LABORATORIES
An AIHA Accredited Laboratory

Client: BROWN & ROOT ENVIRONMENTAL
Address: 661 ANDERSON DR.
PITTSBURGH, PA 15220
Phone: (412) 921-7281

Report To: D. WESTERHOFF / COREY RICH
Verbal/Fax Results To: "
Bill To:
P.O. # / Billing Reference
Your Project Name / No.: 9594

PACE Client No.
PACE Project Manager
PACE Project No.
Requested Due Date: * 8/1/95

Sampled By (PRINT): DONALD J. WESTERHOFF
Sampler Signature: [signature]
Date Sampled: 7/18/95

REQUESTED UNITS* (✓) (Where Applicable)

	FIELD SAMPLE NO. DESCRIPTION				PACE NO.	MICROGRAMS	MG / M³	PPM	FIBERS/cc			REQUESTED ANALYSES * TCE (EPA 8260)	Original Vapor Scan *	REMARKS
1	8A$1-03-T1	50.3	448	CT				*				✓		HOLDING TIME FOR SOME ANALYTES SHOULD NOT EXCEED 7 DAYS
2	8A$1-03-T2	50.3	448	CT				*				✓		
3	8A$1-03-D1	44.6	448	CT				*				✓		
4	8A$1-03-D2	44.8	448	CT				*				✓		
5	8A$2-03-T1	54	510	CT				*				✓		
6	8A$2-03-T2	54	510	CT				*				✓		
7	8A$3-03-T1	52	502	CT				*				✓		
8	8A$3-03-T2	52	502	CT				*				✓		

COOLER NOS.	MEDIA PROVIDED	SHIPMENT METHOD OUT DATE	RETURN DATE	TRACK NO.	RELINQUISHED BY / AFFILIATION	RECEIVED BY / AFFILIATION	DATE	TIME
					1. DON WESTERHOFF / B&RE	FED EX	7/19	16:00

Additional Comments

* ANALYZE EACH OF THE SAMPLES FOR THE FOLLOWING: ACETONE, TOLUENE, METHYLENE CHLORIDE, METHYL CHLORIDE, 1,1,1-TRICHLOROETHANE, AND ETHYL BENZENE USING AN ACCURATE AIHA/EPA METHOD

5 (CO_2 DESORPTION BY GC/FID)

SEND ADDITIONAL MATERIALS
IE. SAMPLE KITS, COC FORMS, ETC.

*SEE REVERSE SIDE FOR INSTRUCTIONS

000003

IH 17975

INDUSTRIAL HYGIENE SAMPLE SUBMISSION FORM

CHAIN-OF-CUSTODY RECORD
Analytical Request

ENVIRONMENTAL LABORATORIES
An AIHA Accredited Laboratory

Client: BROWN & ROOT ENVIRONMENTAL
Address: 661 ANDERSON DRIVE
PITTSBURGH, PA 15220
Phone: (412) 921 7281

Report To: D. WESTERHOFF / COREY RICH
Verbal/Fax Results To:
Bill To:
P.O. # / Billing Reference
Your Project Name / No.: 1574

PACE Client No.
PACE Project Manager
PACE Project No.
Requested Due Date:*: 8/1/95

Sampled By (PRINT): DAVID J. WESTERHOFF
Sampler Signature:
Date Sampled: 7/14/95

REQUESTED UNITS* (✓) (Where Applicable): MICROGRAMS, MG / M³, PPM, FIBERS/cc

REQUESTED ANALYSES: *SEE COMMENTS, NIOSH METHOD 6009, Original Vapor Scan *

#	FIELD SAMPLE NO. DESCRIPTION					MICROGRAMS	MG / M³	PPM	FIBERS/cc														REMARKS
1	BA14-03-T1	50.6	498	CT				*				✓											HOLDING TIMES FOR SOME ANALYTES SHOULD NOT EXCEED 7 DAYS
2	BA14-03-T2	50.6	498	CT				*				✓											
3	ASTB1	50.6	498	CT				*				✓											
4	BA11-03-T3	50.3	498	CT				*					✓										
5	BA11-03-D3	45.6	498					*					✓										
6	BA12-03-T3	[illegible]	510					*					✓										
7	BA13-03-T3	50.7	502					*					✓										
8	BA14-03-T3	[illegible]	494					*					✓										

COOLER NOS	MEDIA PROVIDED	SHIPPED BY	

#	RELINQUISHED BY	AFFILIATION	ACCEPTED BY	AFFILIATION	DATE	TIME
1	D. WESTERHOFF	BRC	[illegible]	PEO	7/14	16:00
2						
3						

Additional Comments

* ANALYZE EACH OF THE SAMPLES FOR THE FOLLOWING: ALCOHOL, TOLUENE, METHYLENE CHLORIDE, METHYL CHLORIDE, 1,1,1-TRICHLOROETHANE, AND ETHYL BENZENE USING AN APPLICABLE NIOSH / OSHA METHOD.

5 (SEE REPORTING BY GC/FID)

SEND ADDITIONAL MATERIALS
IE. SAMPLE KITS, COC FORMS, ETC.

*SEE REVERSE SIDE FOR INSTRUCTIONS

000004

pace

ENVIRONMENTAL LABORATORIES

An AIHA Accredited Laboratory

INDUSTRIAL HYGIENE SAMPLE SUBMISSION FORM

1h 7976

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: BROWN & ROOT ENVIRONMENTAL

Address: 441 [illegible] ST

PITTSBURGH, PA 15220

Phone: (412) 921-7281

Report To: [illegible]

Verbal/Fax Results To:

Bill To:

P.O. # / Billing Reference

Your Project Name / No.: 7594

PACE Client No.

PACE Project Manager

PACE Project No.

Requested Due Date: * 8/1/95

Sampled By (PRINT): [illegible] WESTHOFF

Sampler Signature: [illegible] Date Sampled: 7/18/95

REQUESTED UNITS* (✓) (Where Applicable)

REQUESTED ANALYSES

	FIELD SAMPLE NUMBER					MICROGRAMS	MG / M³	PPM	FIBERS/cc			Local Methods [illegible]	Original Vapor Scan *	REMARKS
1	ASTB3	30.7	[illegible]					✓				✓		
2														
3														
4														
5														
6														
7														
8														

COOLER NOS	MEDIA PROVIDED	RECEIVED AT LAB DATE	TIME

NO	RELINQUISHED BY AFFILIATION	ACCEPTED BY AFFILIATION	DATE	TIME
1	[illegible] / B&R	[illegible]	7/19	11:00

Additional Comments

SEND ADDITIONAL MATERIALS
IE. SAMPLE KITS, COC FORMS, ETC.

*SEE REVERSE SIDE FOR INSTRUCTIONS

00005

pace
ENVIRONMENTAL LABORATORIES

SAMPLES FROM NEW YORK SITE YES_____ NO ✓

240907

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: NSB-NLON
Address: MATT COCHRAN - HALLIBURTON NUS
Phone:
Report To:
Bill To:
P.O. # / Billing Reference:
Project Name / No.: 9594
Pace Client No.:
Pace Project Manager:
Pace Project No.:
*Requested Due Date:

Sampled By (PRINT): DAVID A YOST
Sampler Signature: David A Yost
Date Sampled: 7-12-95

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	NAOH	VOLATILE ORGANICS	SEMI-VOLATILES	METALS	STANDARD TEST	PCBs	VOLATILES	SEMI-VOLATILE PCBs	METALS	REMARKS
1	TRIP BLANK		AQ		2				2		2								
2	8-5502-03	0830	Sol-O		3	3							1	1	1				
3	8-5503-03	0900			6	6							2	2	2				MATRIX SPIKE
4	8-5501-03	0955			3	3							1	1	1				
5	DUP	0000			3	3							1	1	1				
6	8-RB01	1100	AQ		8	4	1	2	1		2	2	1	1	2				
7																			
8																			

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	RECEIVED	RELINQUISHED BY AFFILIATION	RECEIVED BY AFFILIATION	DATE	TIME
1				David A Yost	FEDERAL EXPRESS	7/14/95	1600

Additional Comments
SENT FEDERAL EXPRESS
A B # 2299779075

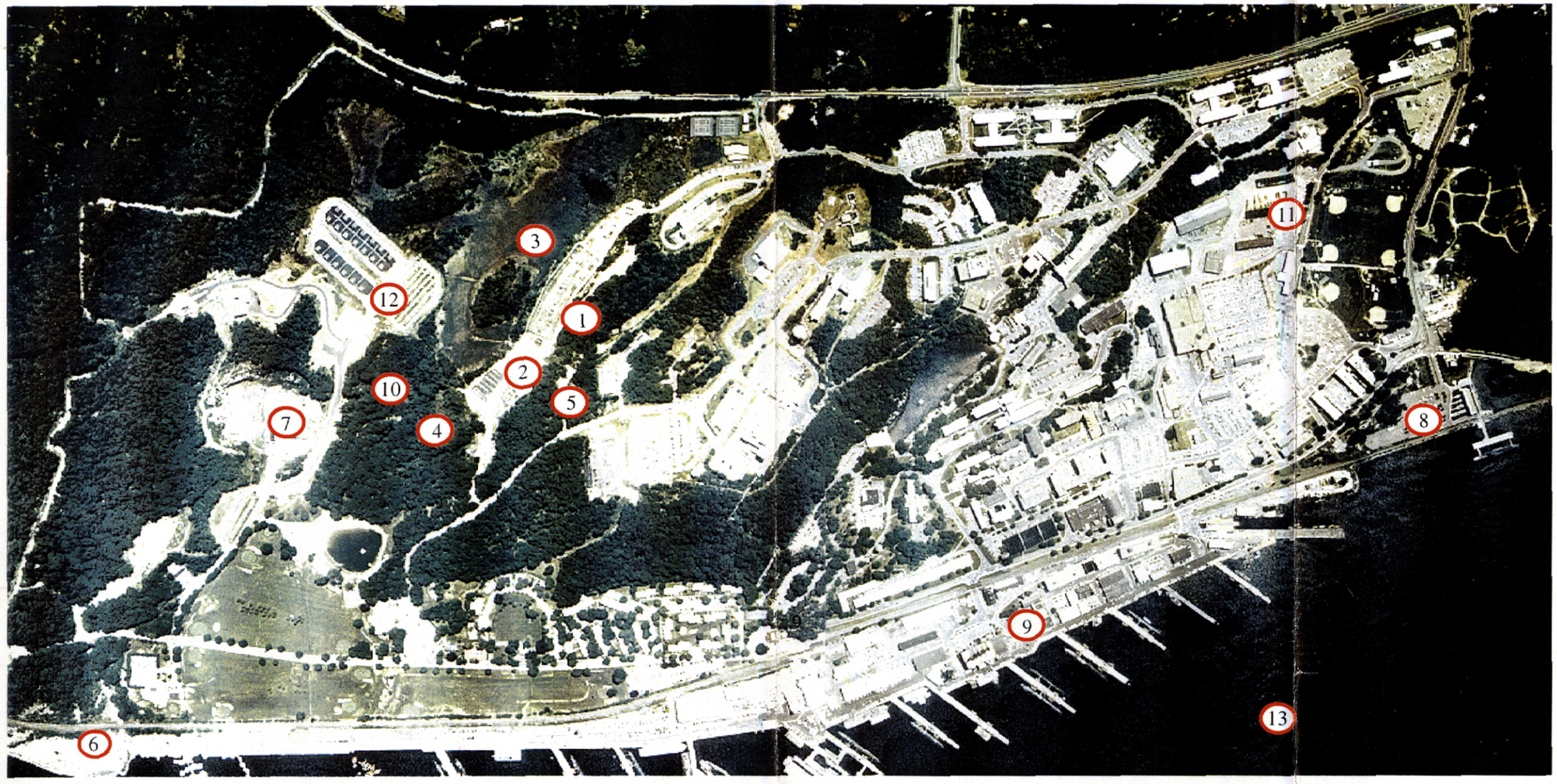
SEE REVERSE SIDE FOR INSTRUCTIONS

000006

APPENDIX B.3

SITE PHOTOGRAPHS

Naval Submarine Base - New London
Groton, Connecticut



Aerial Photograph, May 1991

Legend

1: Construction Battalion Unit (CBU) Drum Storage Area - Site 1
2: Area A Landfill - Site 2
3: Area A Wetland - Site 2
4: Area A Downstream Watercourses and Over Bank Disposal Area (OBDA) - Site 3
5: Rubble Fill Area at Bunker A-86 - Site 4
6: Defense Reutilization and Marketing Office (DRMO) - Site 6
7: Torpedo Shops - Site 7
8: Goss Cove Landfill - Site 8
9: Lower Subase
10: Over Bank Disposal Area Northeast (OBDANE) - Site 14
11: Spent Acid Storage and Disposal Area (SASDA) - Site 15
12: Area A Weapons Center - Site 20
13: Thames River

01086511

CBU DRUM STORAGE AREA

CBU DRUM STORAGE AREA, 2LMW8D LEFT CENTER

AREA A LANDFILL

NORTHWEST ENTRANCE TO LANDFILL - FACING SOUTHEAST

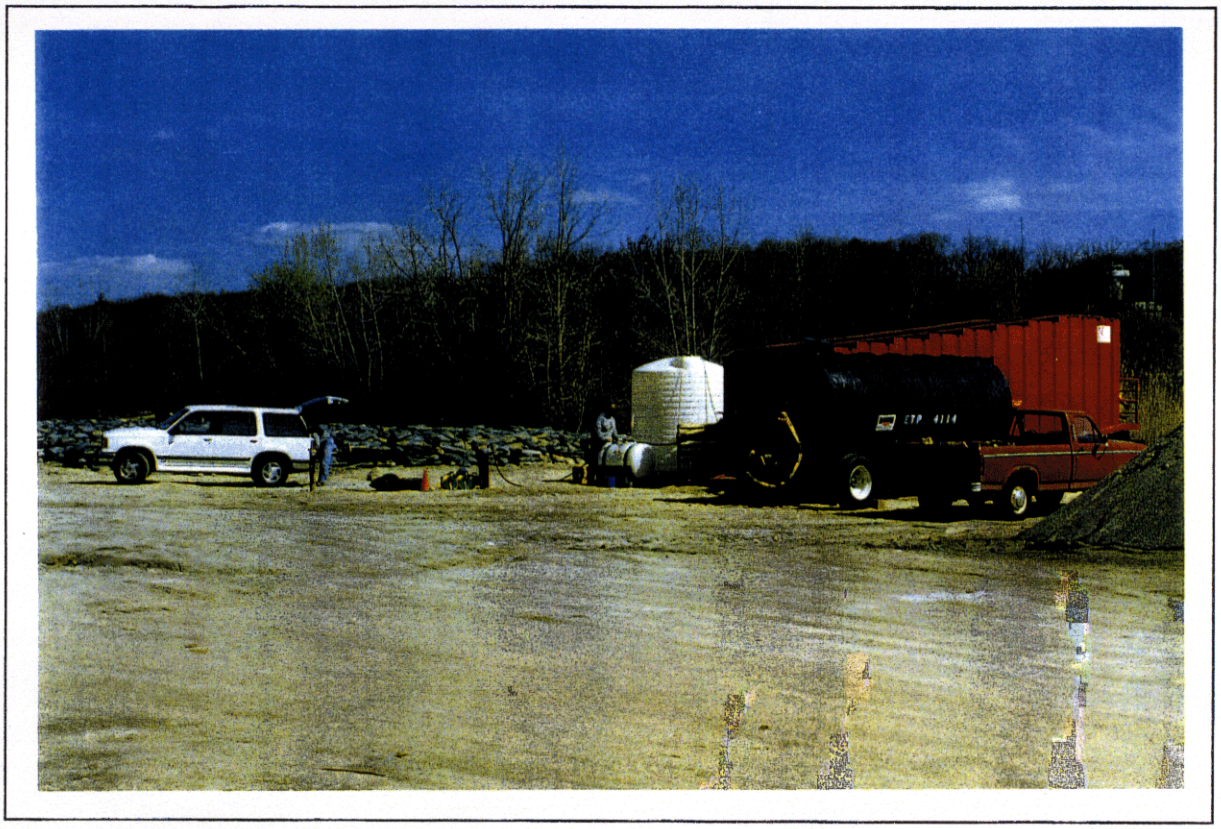
DECONTAMINATION PAD AREA - FACING SOUTHEAST

AREA A LANDFILL

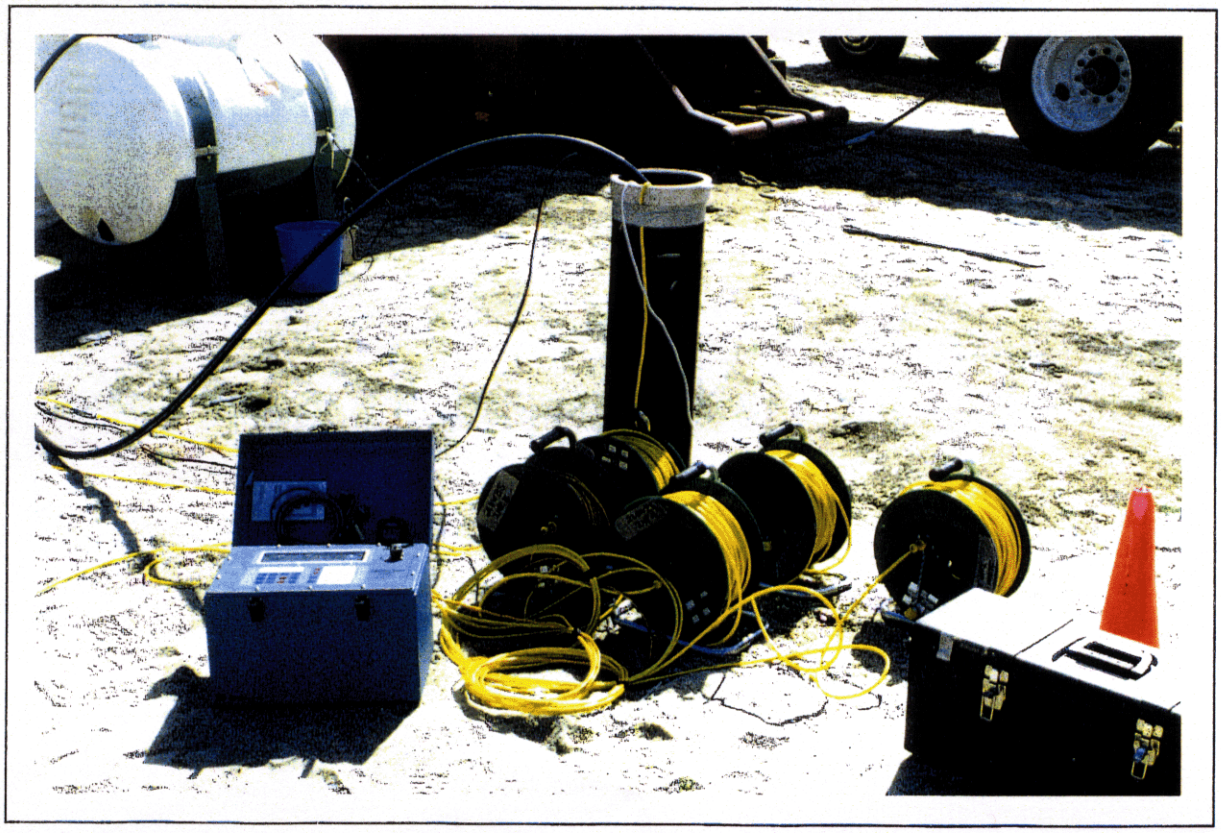
NORTHWEST ENTRANCE TO LANDFILL - FACING SOUTHEAST

DECONTAMINATION PAD AREA - FACING SOUTHEAST

AREA A LANDFILL



PUMP TEST WELLS - FACING NORTH



PUMP TEST WELL 2LPW1S

AREA A LANDFILL

PUMP TEST WELL 2LPW1S AREA - FACING SOUTHEAST

DECONTAMINATION PAD AREA - FACING NORTHWEST

AREA A WETLAND

STANDING ON DIKE FACING EAST

STANDING ON DIKE FACING EAST, DRAINAGE WEIR IN FORGROUND

AREA A WETLAND

AREA A WETLAND DRAINAGE WEIR

2WSD39 AREA - FACING NORTHEAST

OBDA

STANDING ON DIKE - FACING NORTHWEST

DOWN GRADIENT SIDE OF DIKE - FACING SOUTHWEST

DOWNSTREAM/OBDA SAMPLING

Sampling Station 01, Stream 1

DOWNSTREAM/OBDA SAMPLING

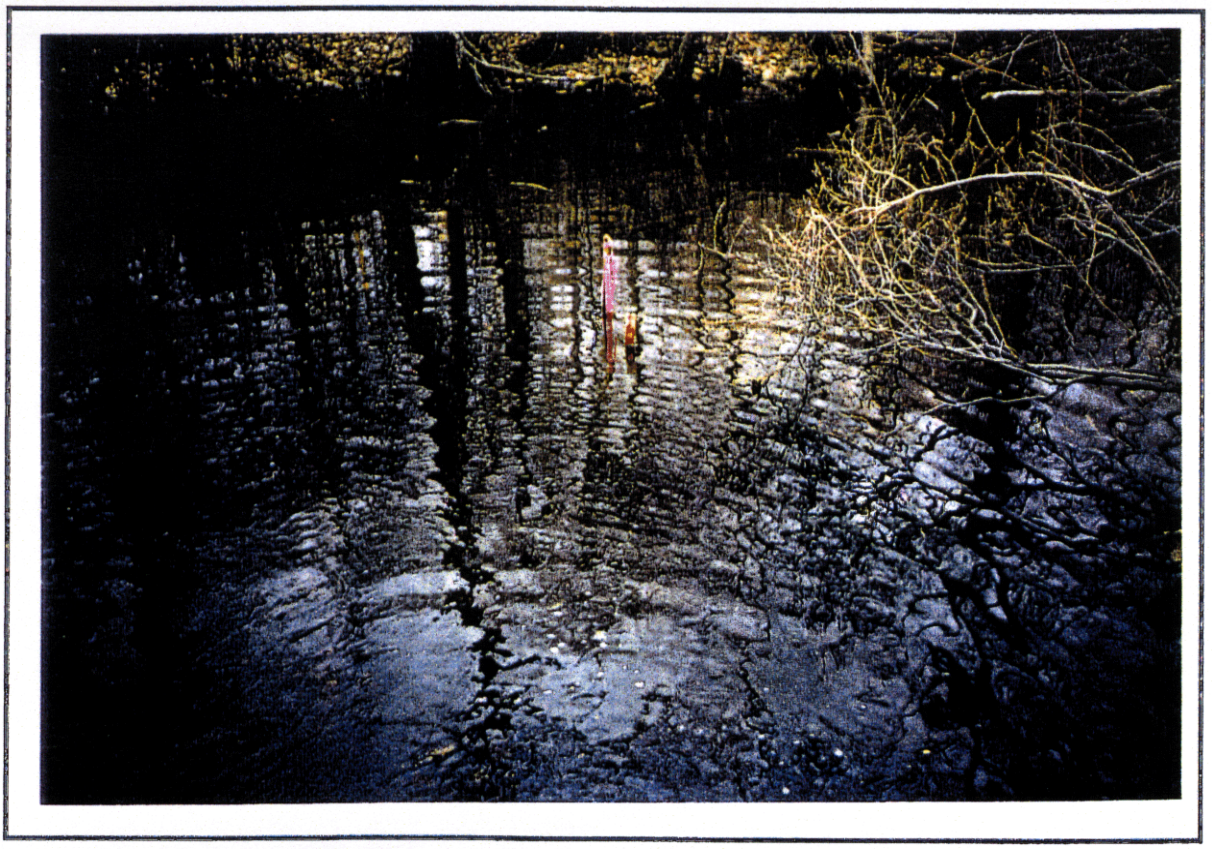
Sampling Station 05, OBDA Pond

DOWNSTREAM/OBDA SAMPLING

Sampling Station 08, Stream 2

DOWNSTREAM/OBDA SAMPLING

Sampling Station 12, Lower Pond

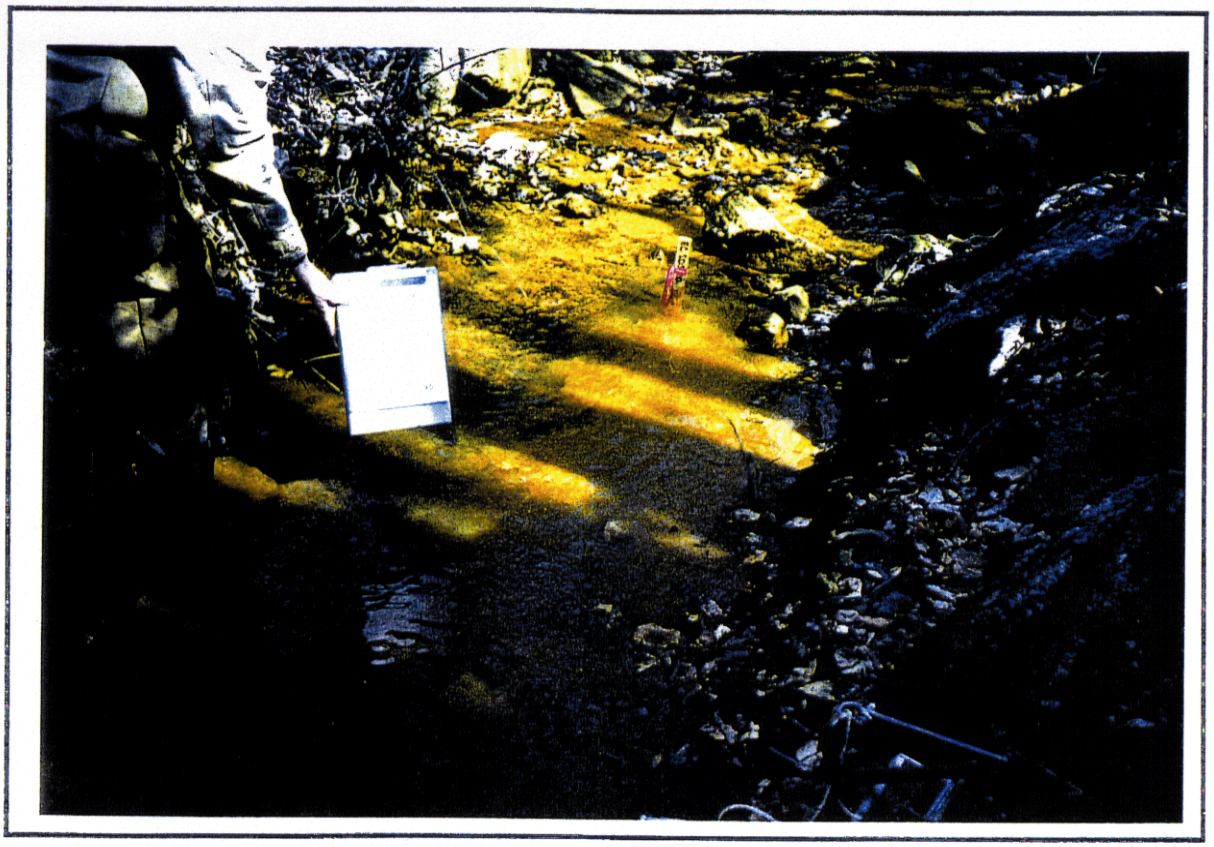


Sampling Station 13, Stream 3

DOWNSTREAM/OBDA SAMPLING

Sampling Station 16, Upper Pond

DOWNSTREAM/OBDA SAMPLING



Sampling Station 20, Stream 4

DOWNSTREAM/OBDA SAMPLING

Sampling Station 23, Niantic Pond

Sampling Station 26, Pequot Woods Pond

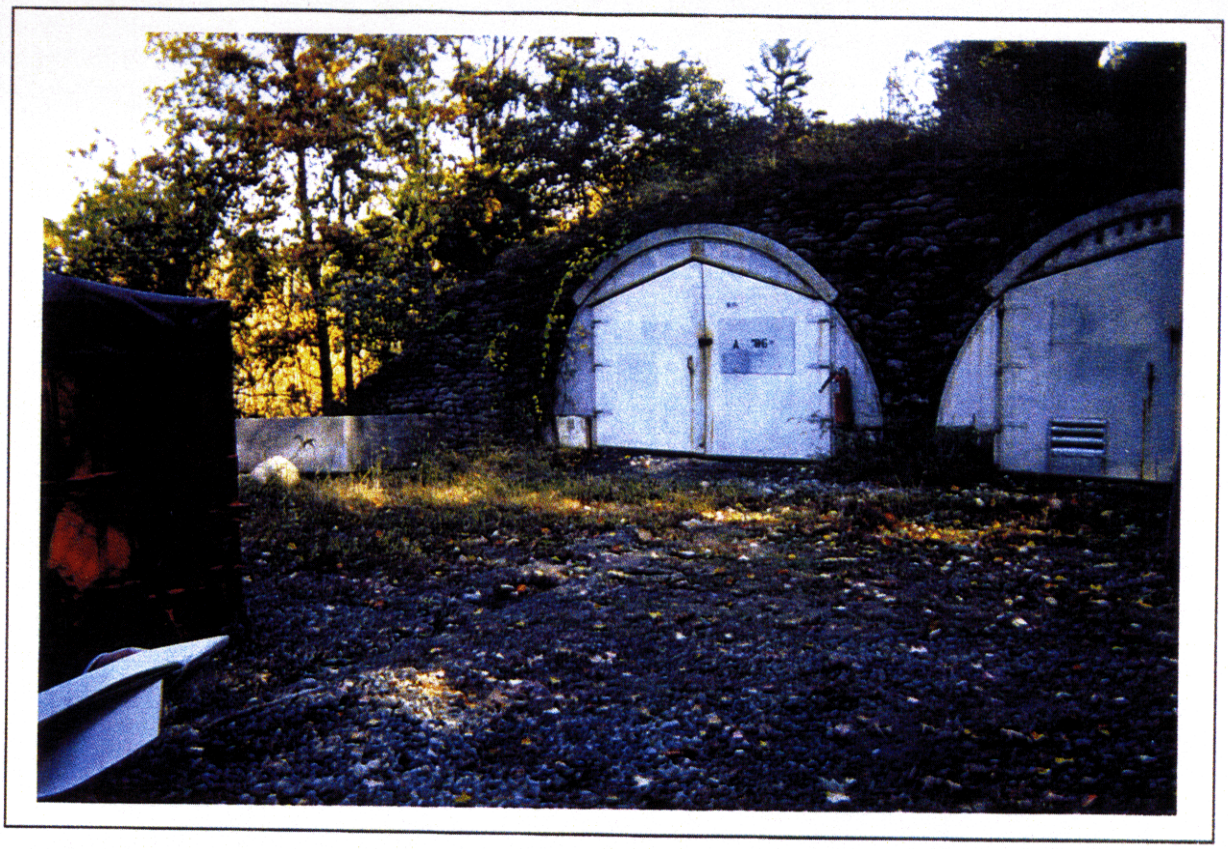
THAMES RIVER

BUILDING 181 AREA - FACING SOUTH

DOWNSTREAM/OBDA SAMPLING

Sampling Station 29, Fish Brook Pond

BUNKER A86



BUNKER A 86 AREA - FACING EAST

BUNKER A 86 AREA - FACING NORTH

BUNKER A86

4MW1S AREA - FACING NORTHWEST

BUNKER A 86 AREA - FACING NORTH

BUNKER A86

RUBBLE FILL - FACING NORTH (SUMMER, HIGHLY VEGETATED)

RUBBLE FILL - FACING NORTH (SUMMER, HIGHLY VEGETATED)

6MW2S AREA - FACING SOUTH

6MW2S AREA - FACING NORTH

6MW8S AREA - FACING NORTH

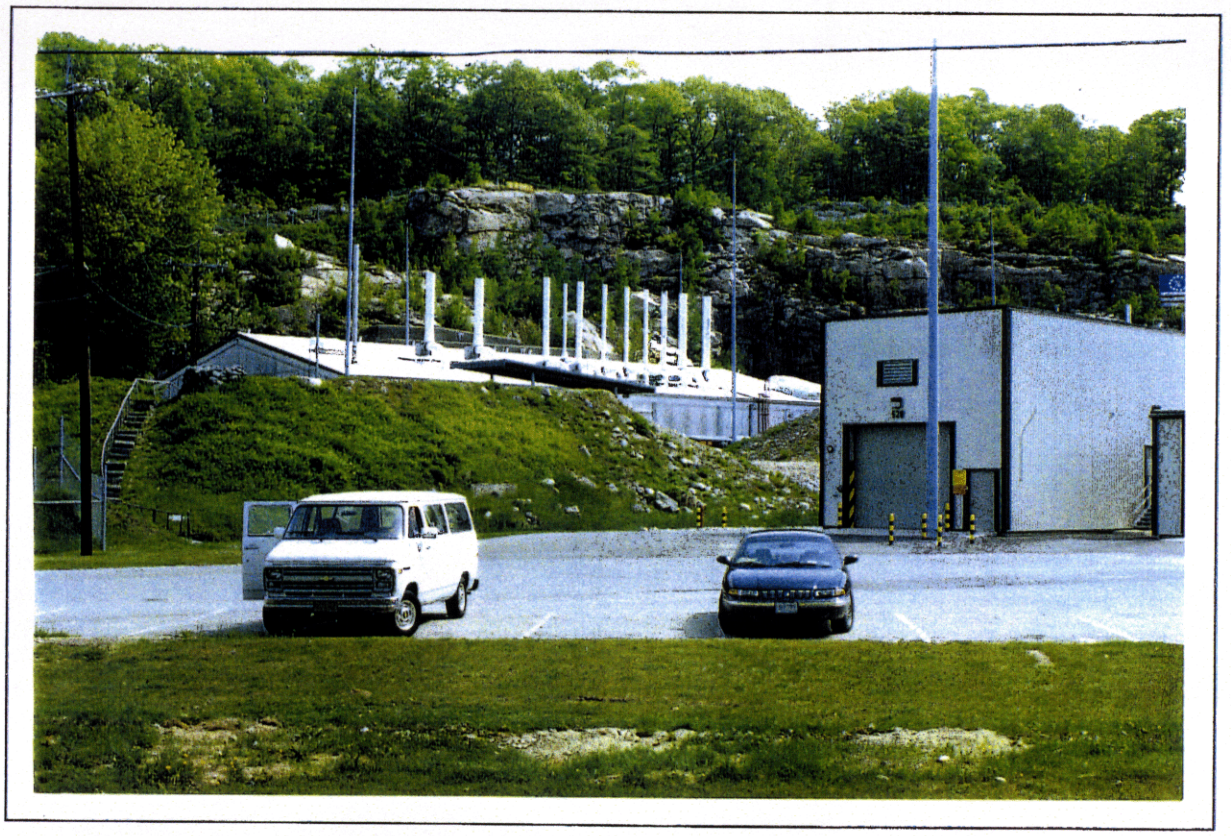
6MW8S AREA - FACING EAST (REMEDIATION IN PROGRESS)

DRMO

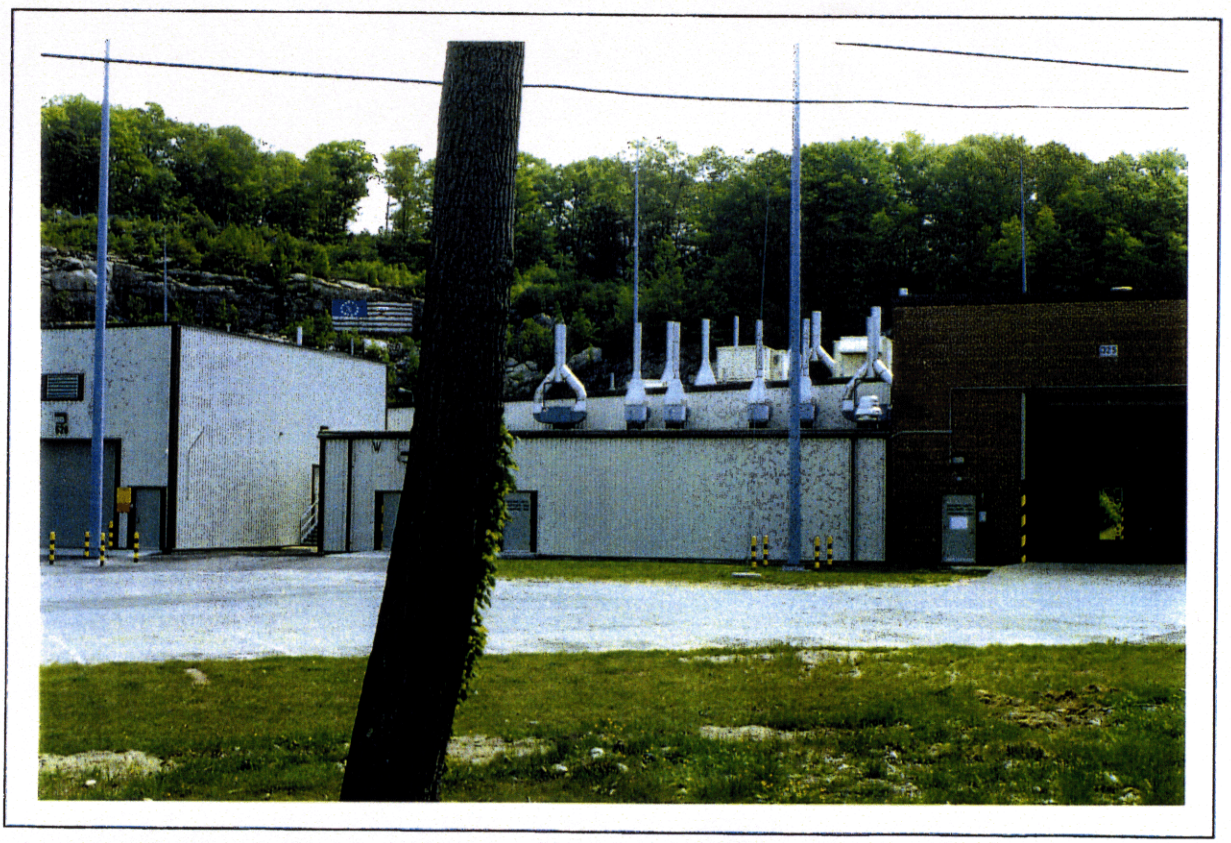
FACING NORTH (REMEDIATION IN PROGRESS)

FACING NORTH (REMEDIATION IN PROGRESS)

TORPEDO SHOPS



7MW3S AREA - FACING NORTHEAST



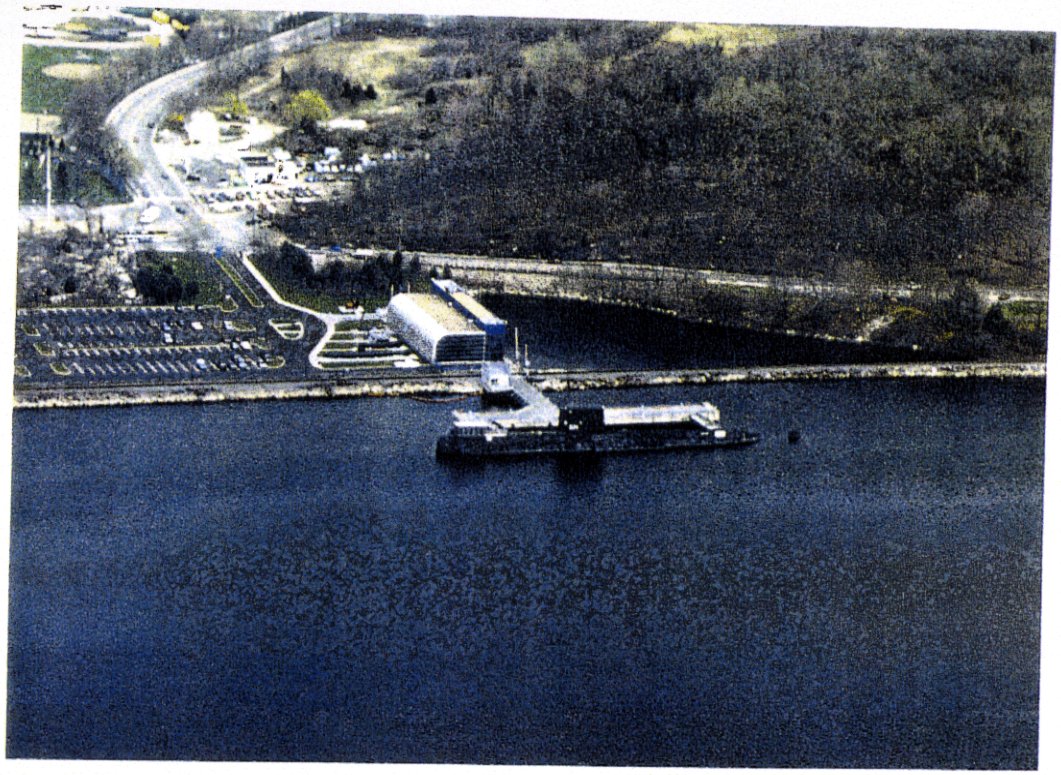
7MW3S AREA - FACING NORTH

TORPEDO SHOPS

7MW5S & 5D / OTTO FUEL TANK AREA - FACING NORTHEAST

EASTEND OF BUILDING 450 - FACING NORTHWEST

GOSS COVE

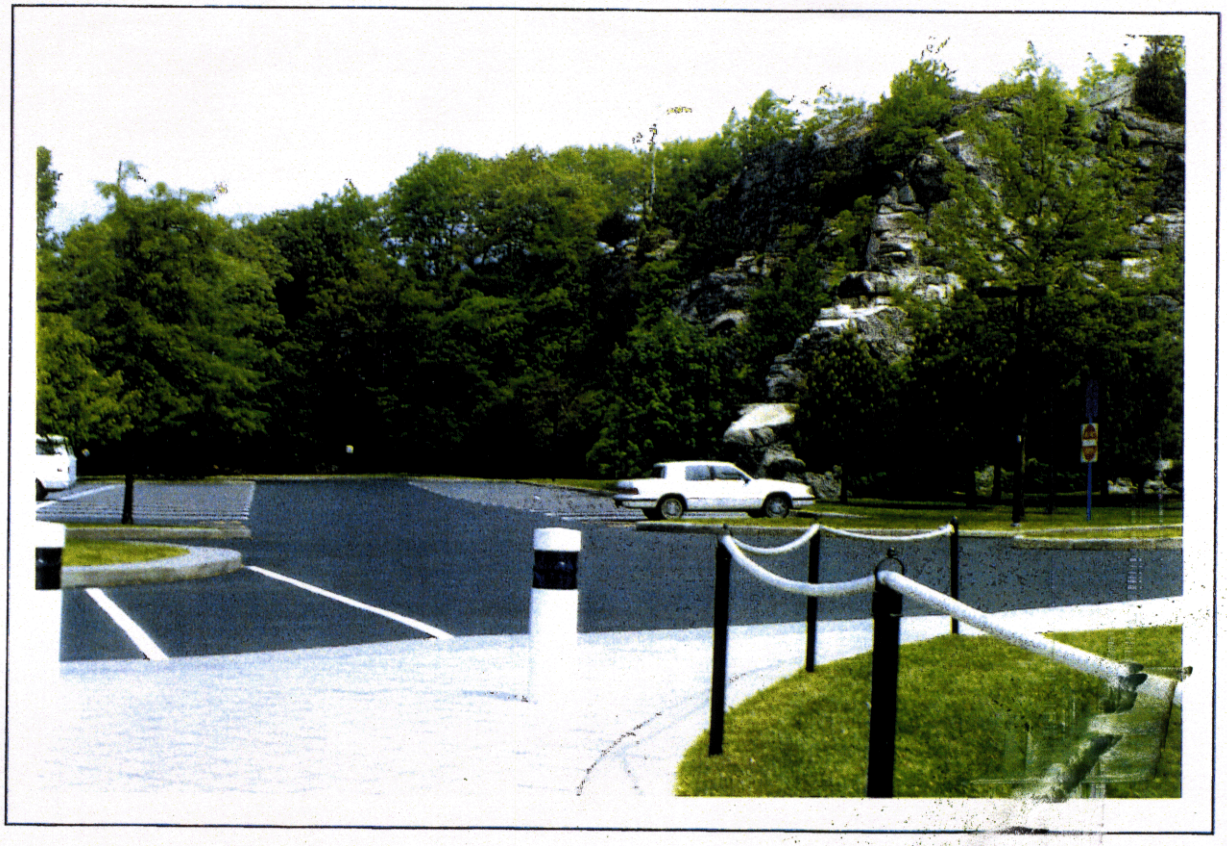


AERIAL VIEW - FACING EAST

OVER VIEW - FACING SOUTH

GOSS COVE

NORTHEAST END OF NAUTILIS MUSEUM - FACING WEST



NORTHEAST END OF NAUTILIS MUSEUM - FACING [illegible]

LOWER BASE

INTERSECTION OF CORVINA & ALBACORE RD. - FACING SOUTH

INTERSECTION OF CORVINA & ALBACORE RD. - FACING SOUTH

LOWER BASE

13MW15 AREA - FACING NORTH

13MW15 AREA - FACING SOUTH

LOWER BASE

BULLHEAD RD. FACING EAST, BUILDING 31 ON LEFT

WELL WE3 AREA - FACING SOUTH

SPENT ACID STORAGE AND DISPOSAL AREA

15TB7 AREA - FACING NORTHEAST (BUILDING 410 IN BACKGROUND)

NO PHOTOGRAPH AVAILABLE FOR OBDANE

WEAPONS CENTER

TRITON RD. AREA - FACING NORTH (BUILDING 524 TOP LEFT)

2WCMW1S AREA - FACING EAST

RESTRICTED AREA, LIMITED PHOTOS

THAMES RIVER

CENTER OF CHANNEL - FACING NORTH

DRMO AREA - FACING WEST

DOWNSTREAM/OBDA SAMPLING

Sampling Station 28, Fish Brook Pond

APPENDIX C.1

SLUG TEST CALCULATIONS

CLIENT	JOB NUMBER
NSB-NLON	

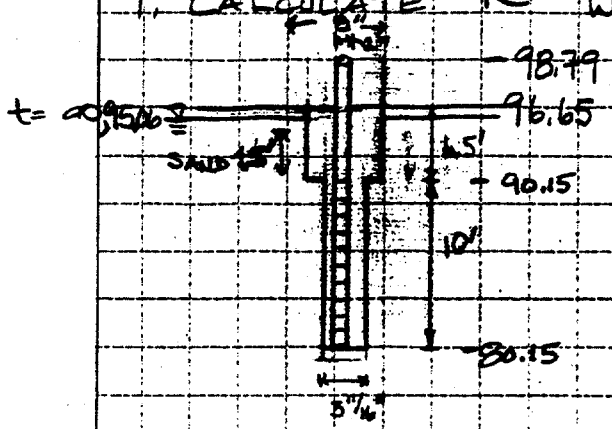
SUBJECT: 4MW2S SLUG TEST ANALYSIS (FALLING & RISING)

BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
L.J. GROSS	D.A.Y ~~1-6-95~~ 1-9-95		1/5/95

1. FALLING HEAD TEST

1. CALCULATE K WITH HVORSLEV METHOD



GND ELEVATION = 96.65'
TOC ELEVATION = 98.79'
STATIC WATER LEVEL = 98.79 - 3.73
= 95.06'

WATER LEVEL STAYS ABOVE SCREEN THROUGHOUT TEST, SO CALCULATE A RADIUS OF INTAKE THAT IS PROPORTIONED TO LENGTH

r_w ≡ radius of well center to undisturbed aquifer

$$= \left(\frac{8''}{2}\right)\left(\frac{4.5}{14.5}\right) + \left(\frac{3\,11/16}{2}\right)\left(\frac{10.0}{14.5}\right)$$

$$= 1.24 + 1.27 = 2.51 \text{ in}$$

$$= 0.209 \text{ ft}$$

r_c ≡ radius of well casing

$$= \frac{2.0}{2} \text{ in} = 1.0 \text{ in}$$

$$= 0.083 \text{ ft}$$

L ≡ LENGTH OF INTAKE = 14.5 ft

T_0 ≡ BASIC TIME LAG FROM RECOVERY VS TIME CURVE

= 0.42 min

CLIENT NSB-NLON	JOB NUMBER 9594
SUBJECT 4MW2S SLUG TEST ANALYSIS	
BASED ON	DRAWING NUMBER
BY L.J. GROSS / CHECKED BY DAY 1-5-95 (D.Y.) rechecked 1-9-95	APPROVED BY / DATE 1/5/95

1. HVORSLEV METHOD (CONTINUED)

$$K = \frac{r_c^2 \ln(L/r_w)}{2 L T_o}$$

$$= \frac{(0.083\ ft)^2 \ln\left(\frac{14.5\ ft}{0.209\ ft}\right)}{2\,(14.5\ ft)(0.42\ min)}$$

$$= 2.40 \times 10^{-3}\ ft/min$$

$$= 3.45\ ft/day$$

2. CALCULATE K WITH BOUWER AND RICE METHOD

$$K = \frac{r_c^2 \ln\left(\frac{R_e}{r_w}\right)}{2L} \frac{1}{t} \ln\left(\frac{y_o}{y_t}\right)$$

where $\ln\left(\frac{R_e}{r_w}\right) = \left[\frac{1.1}{\ln\left(\frac{H}{r_w}\right)} + \frac{A + B\ln C}{L/r_w}\right]^{-1}$

H ≡ distance from water table to bottom of intake
= 95.06 − 80.15 = 14.91 ft

L ≡ length of intake = 14.5 feet

r_w ≡ radius of well center to undisturbed aquifer
= 0.209 ft (proportion calculation)

BECAUSE ASSUME D ≈ H : then use equation with constant C. FOR $L/r_w = 69.4$, $C = 3.2$

CLIENT	JOB NUMBER
NSB-NLON	9594

SUBJECT: 4MW25 SLUG TEST ANALYSIS

BASED ON: | DRAWING NUMBER:

BY	CHECKED BY	APPROVED BY	DATE
L.J. GROSS	DAY 1-9-95		1/6/95

2. BOUWER & RICE (cont)

$r_c = 0.083$ ft
D ≡ AQUIFER THICKNESS ≈ H (IN BEDROCK)

$y_0 = 1.45$ ft
$y_t = 0.31$ ft @ $t = 0.60$ min

$$\ln\left(\frac{R_e}{r_w}\right) = \left[\frac{1.1}{\ln\left(\frac{14.91}{0.209}\right)} + \frac{3.2 - 0.1}{\left(14.5/0.209\right)}\right]^{-1}$$

$$= 3.29$$

$$K = \frac{(0.083\text{ ft})^2 (3.29)}{2(14.5\text{ ft})} \frac{1}{0.60} \ln\left(\frac{1.45}{0.31}\right)$$

$= 2.0 \times 10^{-3}$ ft/min
$= 2.90$ ft/day

3. RISING HEAD TEST - SAME AS FALLING HEAD TEST EXCEPT
$y_0 = 1.65$
$y_t = 0.45$ @ $t = 0.415$ min

$$K = \frac{(0.083\text{ ft})^2 (3.29)}{2(14.5\text{ ft})} \left(\frac{1}{0.415}\right) \ln\left(\frac{1.65}{0.45}\right)$$

$= 2.45 \times 10^{-3}$ ft/min
$= 3.52$ ft/day

CALCULATION WORKSHEET Order No. 19116 (01-91)

CLIENT NSB-NLON	JOB NUMBER 9594
SUBJECT 4MW2S SLUG TEST	
BASED ON	DRAWING NUMBER
BY L.J. GROSS / CHECKED BY DAY 1-9-95	APPROVED BY / DATE 1/6/95

4. AVERAGE OF 2 ESTIMATES FROM FALLING HEAD

$$\bar{K} = \frac{3.45 + 2.90}{2}$$

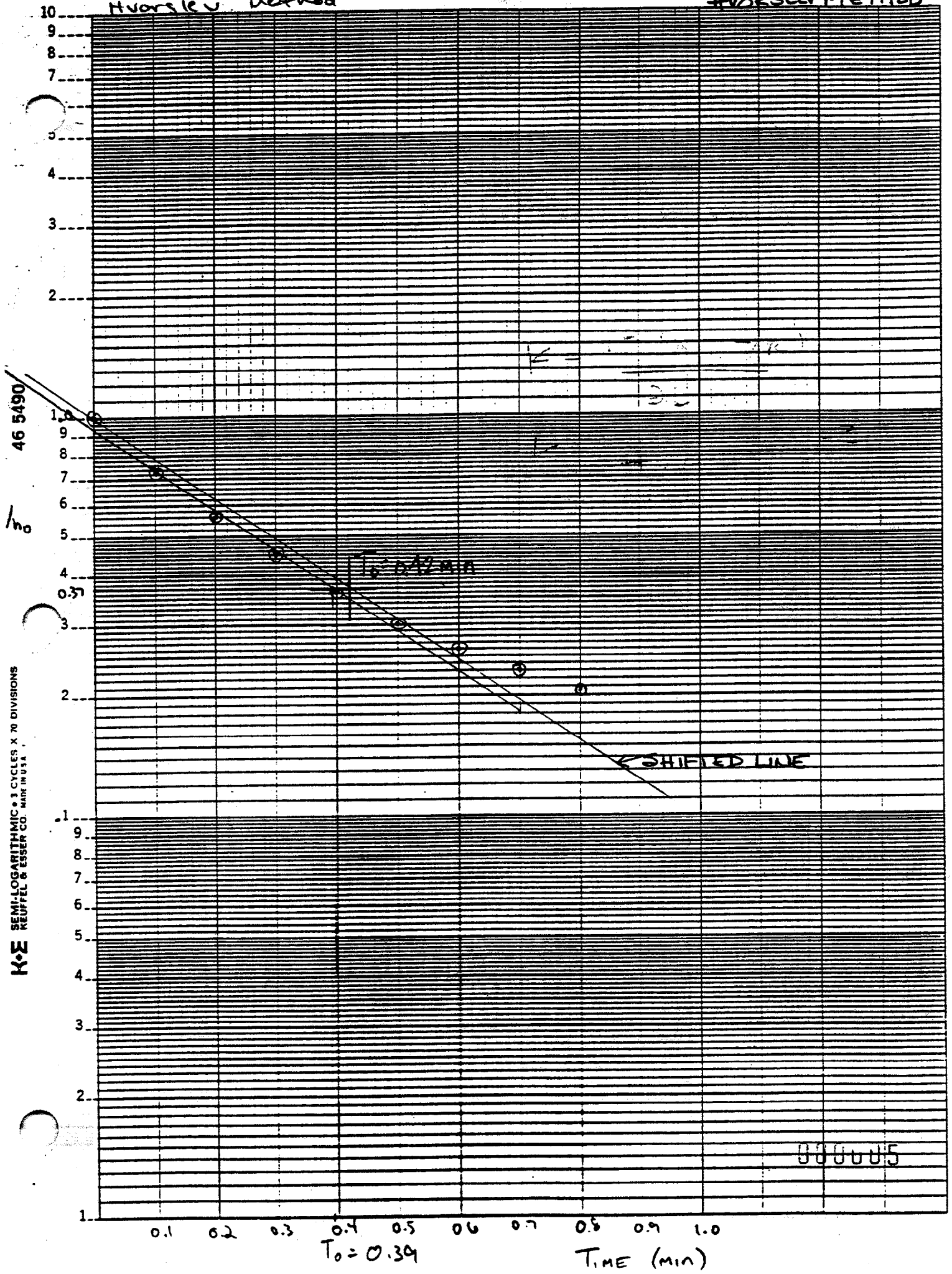
$$= 3.17 \text{ ft/day}$$

AVERAGE OF RISING/FALLING HEAD TESTS

$$\bar{K} = \frac{3.17 + 3.52}{2} = 3.35 \text{ ft/day}$$

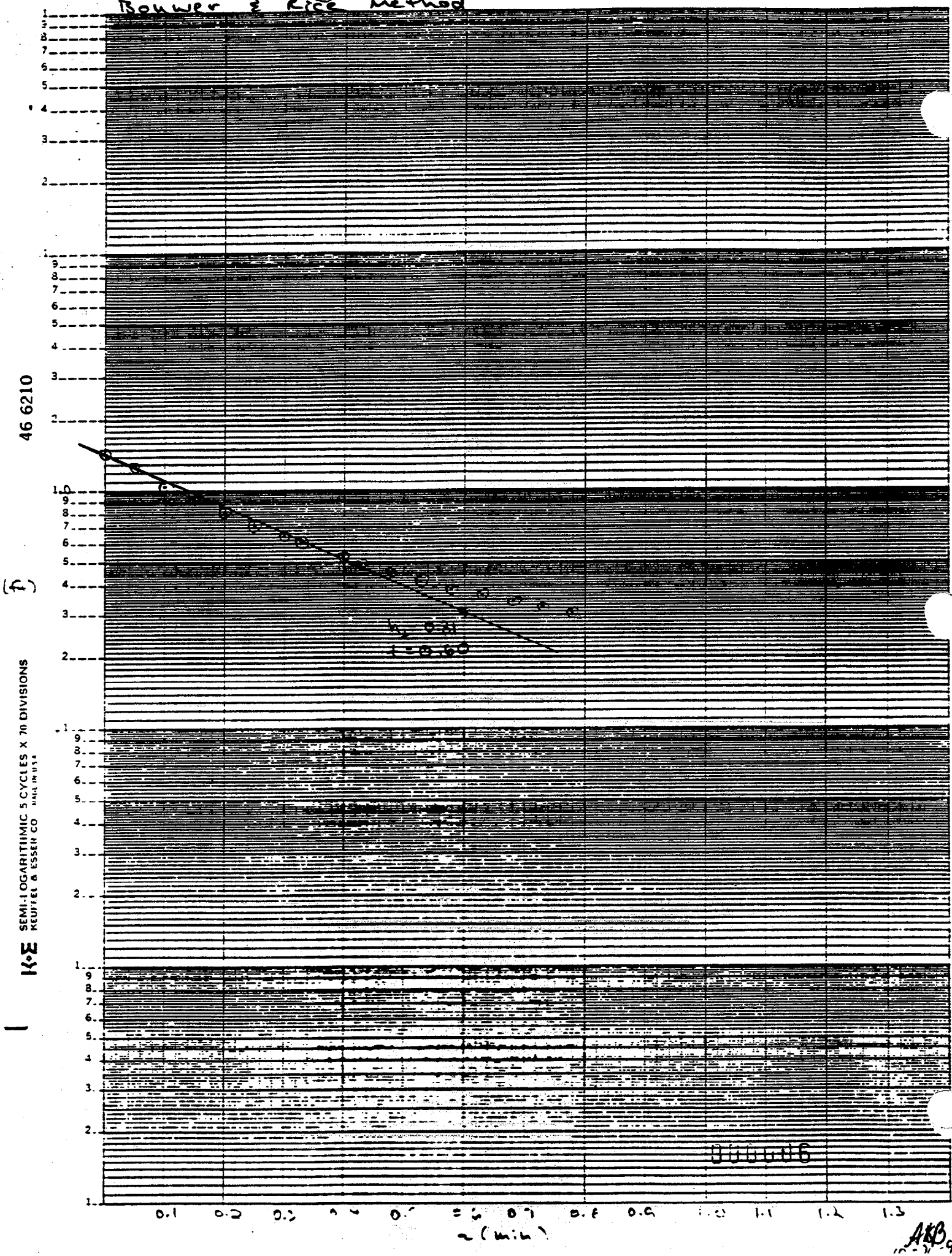
Hvorslev Method

HVORSLEV METHOD



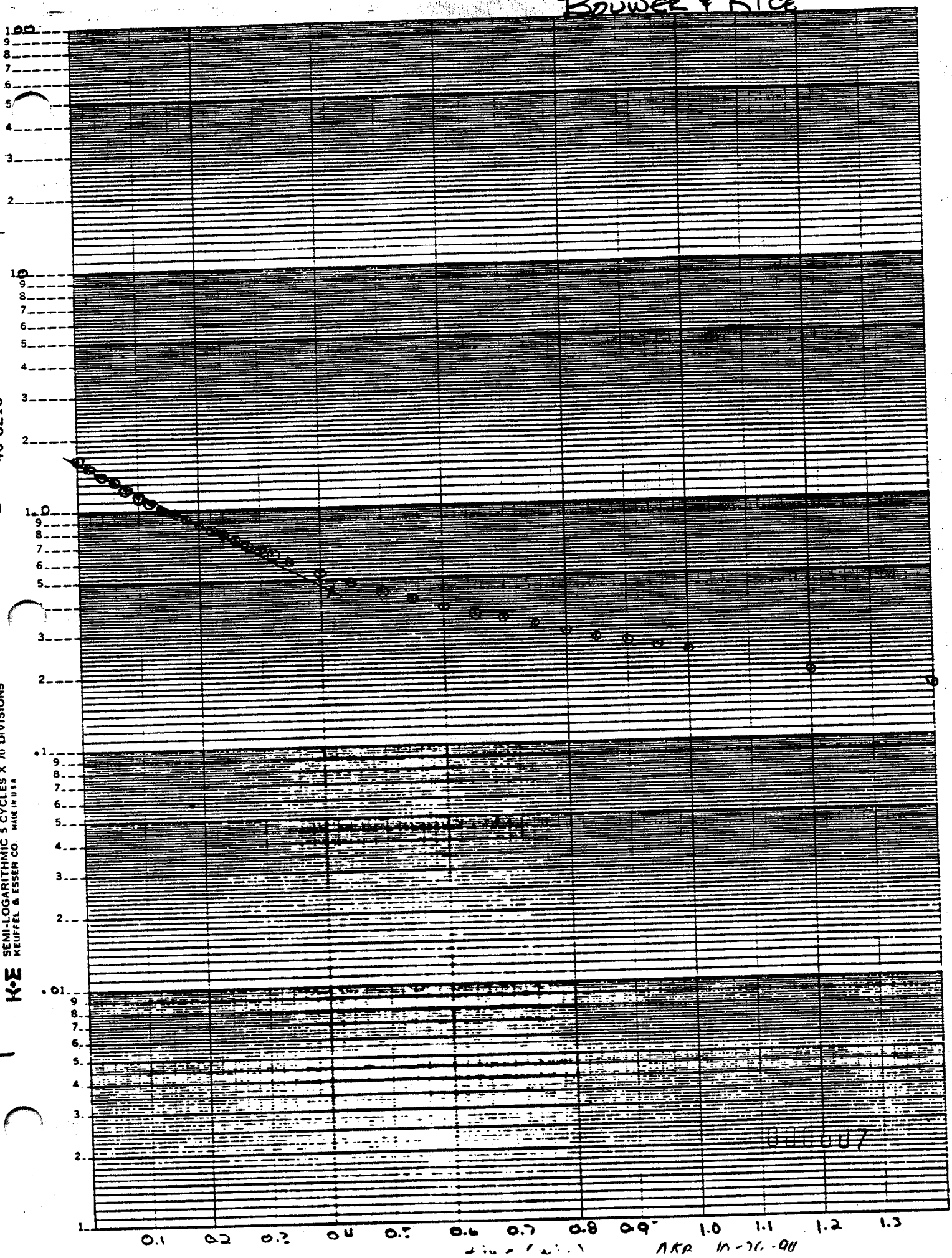
00000 5

Bouwer & Rice Method



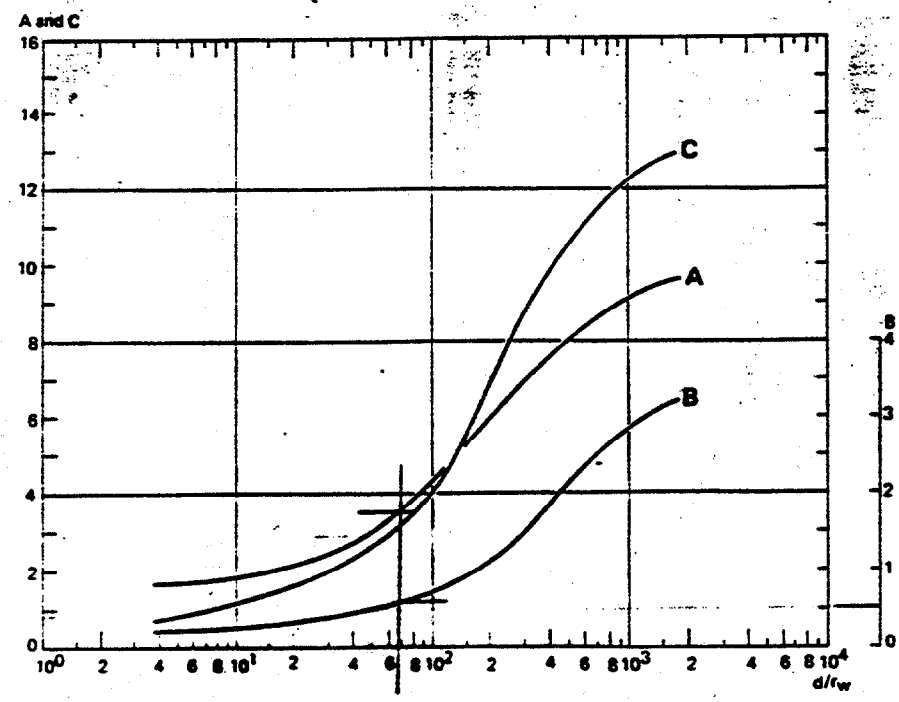
AKB

4MW28 RISING HEAD
BOUWER & RICE



AMW2S Falling Head
Bouwer & Rice Method

A = 3.5



B = 0.70

Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

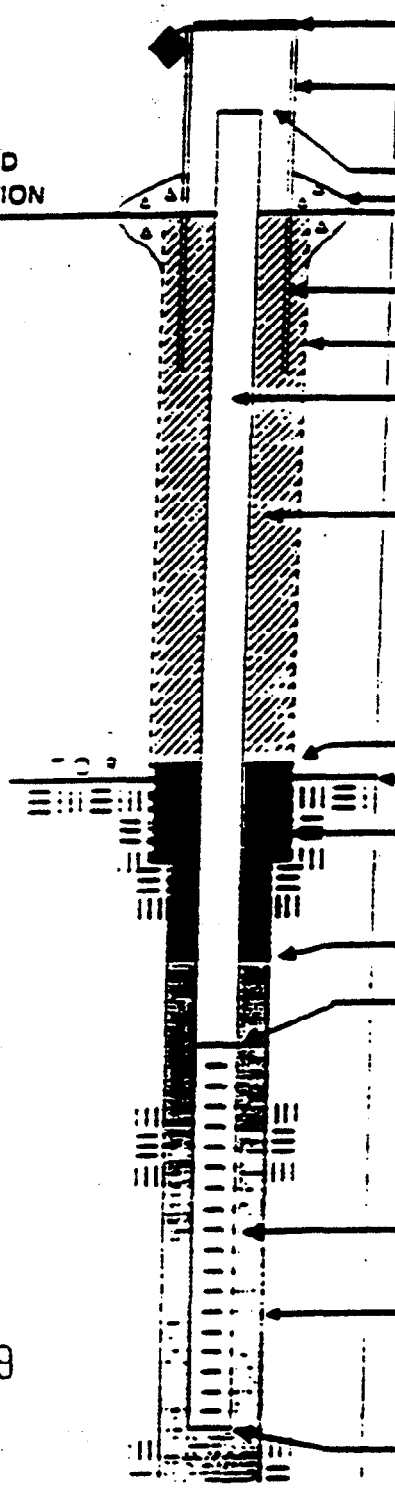
$$\frac{L}{r_w} = \frac{14.5\ ft}{0.209\ ft} = 69.4'$$

HALLIBURTON NUS
Environmental Corporation

BORING NO: 4MW2S

BEDROCK
MONITORING WELL SHEET
WELL INSTALLED IN BEDROCK

PROJECT NSB-NLON	LOCATION GROTON, CT	DRILLER EAST COAST
PROJECT NO. 2594	BORING 4MW2S	DRILLING METHOD HSA / HQ Core
ELEVATION	DATE 2-2-94	DEVELOPMENT METHOD
FIELD GEOLOGIST Tim Evans		



ELEVATION OF TOP OF SURFACE CASING: _____

STICK UP OF CASING ABOVE GROUND SURFACE: _____

ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

I.D. OF SURFACE CASING: 4"

DIAMETER OF HOLE: 8"

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC (Schedule 40)

TYPE OF BACKFILL: N/A

ELEVATION / DEPTH TOP OF SEAL: / 1'

ELEVATION / DEPTH TOP OF BEDROCK: / 6.5

TYPE OF SEAL: Bentonite Pellets

ELEVATION / DEPTH TOP OF SAND: / 2'

ELEVATION / DEPTH TOP OF SCREEN: / ~~[illegible]~~ 6.5

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

I.D. SCREEN: 2"

TYPE OF SAND PACK: Silica Sand

DIAMETER OF HOLE IN BEDROCK: 3"/16"

CORE / REAM: _____

ELEVATION / DEPTH BOTTOM SCREEN: / ~~[illegible]~~ 16.5

000009

AKB 10-26-94

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB-NLON WELL/BORING NO.: 9MW25

PROJECT NO.: 9594 GEOLOGIST: Tim E./Steve Total Depth: 16.5 16.5

WELL DIAMETER: 2" SCREEN LENGTH/DEPTH: 10' / 6 TEST NO.:

STATIC WATER LEVEL (Depth/Elevation): 3.73' TOC DATE: 4-9-94

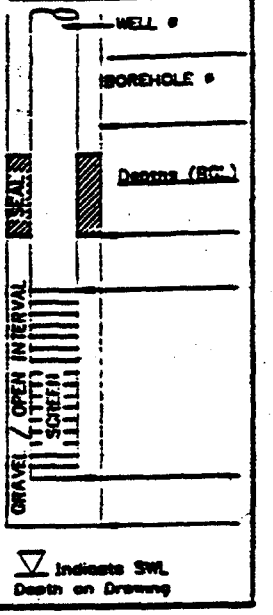
TEST TYPE (Rising/Falling/Constant Head): Falling CHECKED:

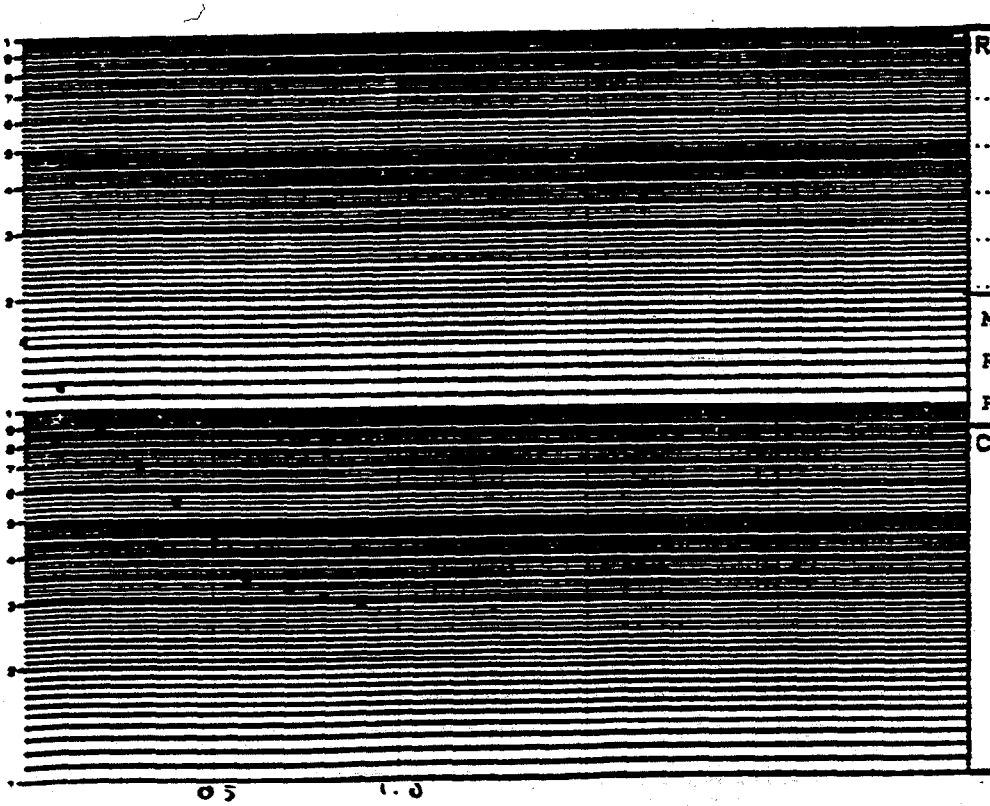
METHOD OF INDUCING WATER LEVEL CHANGE: Slug (Length=5.13', Dia=0.1') PAGE 1 OF 1

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): SURFACE

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
0.00		-1.570			
0.10		-1.166			
0.20		-0.889			
0.30		-0.703			
0.40		-0.564			
0.50		-0.466			
0.60		-0.397			
0.70		-0.350			
0.80		-0.312			
0.90		-0.283			

WELL SCHEMATIC





REMARKS:

XD @ 15.29

Maximum Drawdown: ft.

Recovery Time: min.

Recovery Depth: ft.

CALCS,SKETCH MAPS, ETC.:

000010

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: RUSB-NLON WELL/BORING NO.: 4MW2S

PROJECT NO.: 9594 GEOLOGIST: Tim E. / Stan C. Total Depth: 16.5' 16.54'

WELL DIAMETER: 2" SCREEN LENGTH/DEPTH: 10' TEST NO.:

STATIC WATER LEVEL (Depth/Elevation): 3.73' DATE: 4-9-94

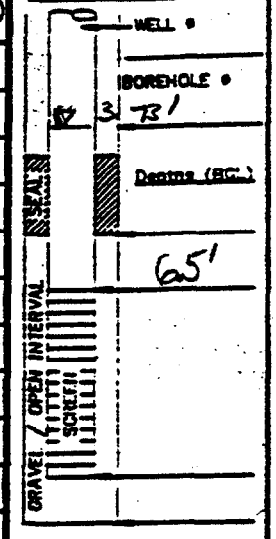
TEST TYPE (Rising/Falling/Constant Head): Rising CHECKED:

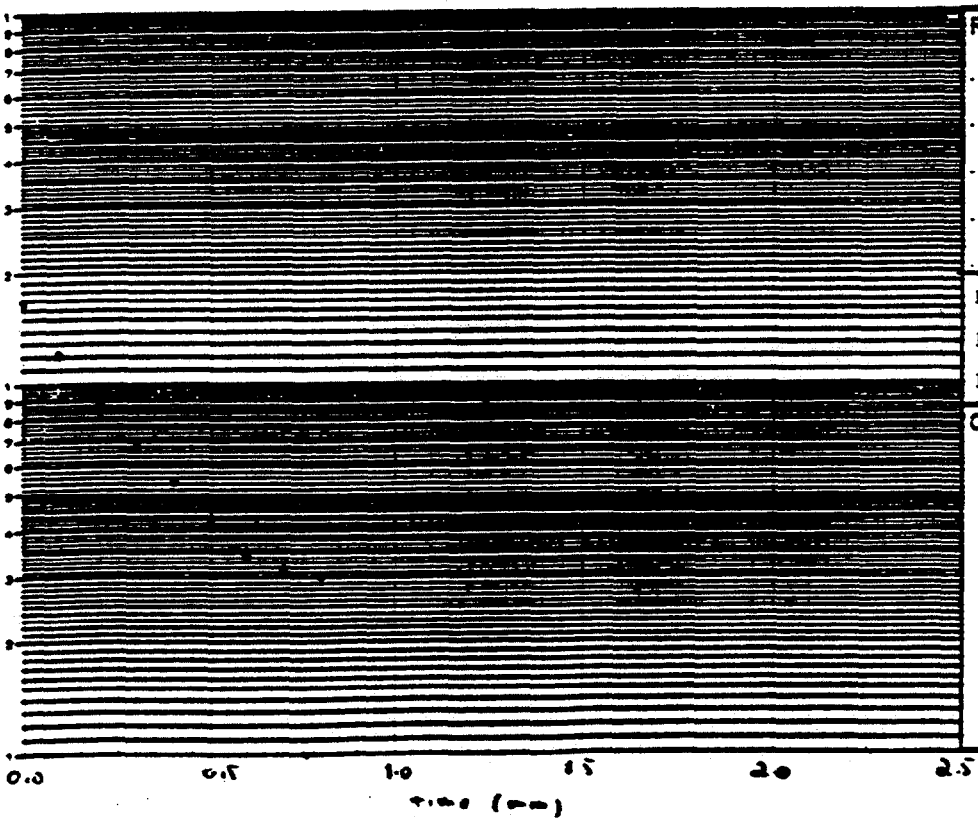
METHOD OF INDUCING WATER LEVEL CHANGE: Slug (Length = 5.13', Dia = 0.1') PAGE 1 OF 1

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): TOC

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
0.00		-1.652			
0.10		-1.173			
0.20		-0.873			
0.30		-0.678			
0.40		-0.539			
0.50		-0.444			
0.60		-0.378			
0.70		-0.334			
0.80		-0.293			

WELL SCHEMATIC





REMARKS:

XD @ 12.49

Maximum Drawdown: 1.652 ft.

Recovery Time: 10 min.

Recovery Depth: ft.

CALCS, SKETCH MAPS, ETC.:

279-270

000011

AKB 10/26/94

SE1000C
Environmental Logger
04/09 12:02

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00018
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 0 04/09 11:08:22

Elapsed Time	INPUT 1
0.0000	1.469
0.0033	1.545
0.0066	1.570
0.0100	1.535
0.0133	1.504
0.0166	1.494
0.0200	1.479
0.0233	1.475
0.0266	1.438
0.0300	1.406
0.0333	1.422
→ 0.0366	1.450
0.0400	1.396
0.0433	1.349
0.0466	1.365
0.0500	1.356
0.0533	1.337
0.0566	1.321
0.0600	1.311
0.0633	1.296
0.0666	1.283
0.0700	1.274
0.0733	1.258
0.0766	1.251
0.0800	1.251
0.0833	1.220
0.0866	1.229
0.0900	1.192
0.0933	1.188
0.0966	1.179
0.1000	1.166
0.1033	1.154
0.1066	1.144
0.1100	1.135
0.1133	1.122
0.1166	1.113
0.1200	1.103

FALLING HEAD SLUG TEST
4/9/94
4MW2S

0.1233	1.094
0.1266	1.081
0.1300	1.072
0.1333	1.062
0.1366	1.053
0.1400	1.043
0.1433	1.034
0.1466	1.024
0.1500	1.015
0.1533	1.005
0.1566	0.996
0.1600	0.990
0.1633	0.980
0.1666	0.971
0.1700	0.961
0.1733	0.955
0.1766	0.946
0.1800	0.936
0.1833	0.930
0.1866	0.920
0.1900	0.914
0.1933	0.905
0.1966	0.898
0.2000	0.889
0.2033	0.882
0.2066	0.876
0.2100	0.867
0.2133	0.860
0.2166	0.854
0.2200	0.848
0.2233	0.838
0.2266	0.832
0.2300	0.826
0.2333	0.819
0.2366	0.813
0.2400	0.807
0.2433	0.801
0.2466	0.794
0.2500	0.788
0.2533	0.782
0.2566	0.775
0.2600	0.769
0.2633	0.763
0.2666	0.756
0.2700	0.750
0.2733	0.744
0.2766	0.741
0.2800	0.734
0.2833	0.728
0.2866	0.722
0.2900	0.719
0.2933	0.712
0.2966	0.706
0.3000	0.703
0.3033	0.696
0.3066	0.690
0.3100	0.687
0.3133	0.681
0.3166	0.674
0.3200	0.671

0.3233	0.665
0.3266	0.662
0.3300	0.655
0.3333	0.652
0.3500	0.627
0.3666	0.605
0.3833	0.583
0.4000	0.564
0.4166	0.545
0.4333	0.526
0.4500	0.510
0.4666	0.495
0.4833	0.479
0.5000	0.466
0.5166	0.454
0.5333	0.436
0.5500	0.428
0.5666	0.419
0.5833	0.409
0.6000	0.397
0.6166	0.387
0.6333	0.378
0.6500	0.372
0.6666	0.365
0.6833	0.356
0.7000	0.350
0.7166	0.343
0.7333	0.334
0.7500	0.327
0.7666	0.324
0.7833	0.315
0.8000	0.312
0.8166	0.305
0.8333	0.299
0.8500	0.296
0.8666	0.293
0.8833	0.286
0.9000	0.283
0.9166	0.280
0.9333	0.274
0.9500	0.271
0.9666	0.268
0.9833	0.264
1.0000	0.261
1.2000	0.214
1.4000	0.186
1.6000	0.164
1.8000	0.145
2.0000	0.129
2.2000	0.113
2.4000	0.107
2.6000	0.097
2.8000	0.086
3.0000	0.082
3.2000	0.075
3.4000	0.072
3.6000	0.066
3.8000	0.059
4.0000	0.056
4.2000	0.053

4.4000	0.050
4.6000	0.047
4.8000	0.044
5.0000	0.040
5.2000	0.037
5.4000	0.037
5.6000	0.037
5.8000	0.037
6.0000	0.034
6.2000	0.034
6.4000	0.031
6.6000	0.031
6.8000	0.031
7.0000	0.031
7.2000	0.028
7.4000	0.028
7.6000	0.028
7.8000	0.028
8.0000	0.028
8.2000	0.028
8.4000	0.028
8.6000	0.025
8.8000	0.025
9.0000	0.028
9.2000	0.025
9.4000	0.025
9.6000	0.025
9.8000	0.025
10.0000	0.025
12.0000	0.025
14.0000	0.025
16.0000	0.028
18.0000	0.028
20.0000	0.031
22.0000	0.028

END

SE1000C
Environmental Logger
04/09 11:45

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	~~00018~~ 4MW2S
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 1 04/09 11:32:18

Elapsed Time	INPUT 1
0.0000	-1.652
0.0033	-1.630
0.0066	-1.611
0.0100	-1.592
0.0133	-1.570
0.0166	-1.551
0.0200	-1.532
0.0233	-1.513
0.0266	-1.498
0.0300	-1.479
0.0333	-1.463
0.0366	-1.444
0.0400	-1.428
0.0433	-1.409
0.0466	-1.397
0.0500	-1.378
0.0533	-1.365
0.0566	-1.349
0.0600	-1.334
0.0633	-1.318
0.0666	-1.305
0.0700	-1.289
0.0733	-1.277
0.0766	-1.261
0.0800	-1.248
0.0833	-1.236
0.0866	-1.223
0.0900	-1.211
0.0933	-1.195
0.0966	-1.185
0.1000	-1.173
0.1033	-1.160
0.1066	-1.148
0.1100	-1.135
0.1133	-1.125
0.1166	-1.113
0.1200	-1.100

Rising Head Slug Test
4/9/94
4MW2S

DKB
10-26-94

0.1233	-1.091
0.1266	-1.081
0.1300	-1.069
0.1333	-1.056
0.1366	-1.047
0.1400	-1.037
0.1433	-1.028
0.1466	-1.015
0.1500	-1.006
0.1533	-0.996
0.1566	-0.987
0.1600	-0.977
0.1633	-0.968
0.1666	-0.958
0.1700	-0.949
0.1733	-0.943
0.1766	-0.933
0.1800	-0.924
0.1833	-0.914
0.1866	-0.905
0.1900	-0.898
0.1933	-0.889
0.1966	-0.883
0.2000	-0.873
0.2033	-0.867
0.2066	-0.857
0.2100	-0.851
0.2133	-0.842
0.2166	-0.835
0.2200	-0.829
0.2233	-0.820
0.2266	-0.813
0.2300	-0.807
0.2333	-0.797
0.2366	-0.794
0.2400	-0.785
0.2433	-0.779
0.2466	-0.772
0.2500	-0.766
0.2533	-0.760
0.2566	-0.753
0.2600	-0.747
0.2633	-0.741
0.2666	-0.734
0.2700	-0.728
0.2733	-0.722
0.2766	-0.715
0.2800	-0.709
0.2833	-0.706
0.2866	-0.697
0.2900	-0.693
0.2933	-0.687
0.2966	-0.681
0.3000	-0.678
0.3033	-0.671
0.3066	-0.665
0.3100	-0.662
0.3133	-0.656
0.3166	-0.649
0.3200	-0.646

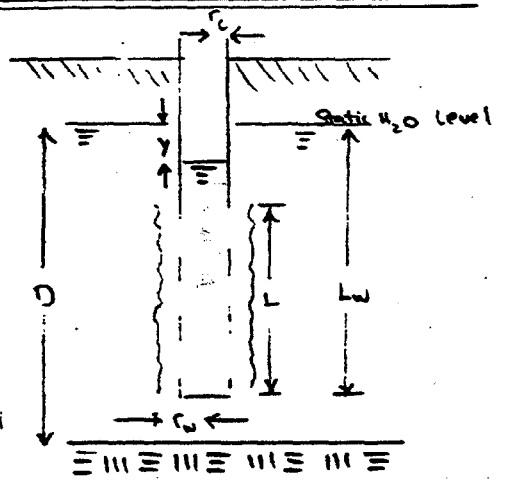
0.3233	-0.640
0.3266	-0.637
0.3300	-0.630
0.3333	-0.627
0.3500	-0.602
0.3666	-0.580
0.3833	-0.558
0.4000	-0.539
0.4166	-0.520
0.4333	-0.501
0.4500	-0.485
0.4666	-0.473
0.4833	-0.457
0.5000	-0.444
0.5166	-0.432
0.5333	-0.419
0.5500	-0.410
0.5666	-0.397
0.5833	-0.387
0.6000	-0.378
0.6166	-0.369
0.6333	-0.362
0.6500	-0.353
0.6666	-0.346
0.6833	-0.340
0.7000	-0.334
0.7166	-0.324
0.7333	-0.318
0.7500	-0.312
0.7666	-0.305
0.7833	-0.299
0.8000	-0.293
0.8166	-0.290
0.8333	-0.283
0.8500	-0.277
0.8666	-0.274
0.8833	-0.271
0.9000	-0.265
0.9166	-0.261
0.9333	-0.258
0.9500	-0.252
0.9666	-0.249
0.9833	-0.242
1.0000	-0.239
1.2000	-0.189
1.4000	-0.164
1.6000	-0.138
1.8000	-0.119
2.0000	-0.101
2.2000	-0.091
2.4000	-0.078
2.6000	-0.069
2.8000	-0.063
3.0000	-0.056
3.2000	-0.044
3.4000	-0.041
3.6000	-0.037
3.8000	-0.031
4.0000	-0.028
4.2000	-0.025

4.4000	-0.019
4.6000	-0.019
4.8000	-0.015
5.0000	-0.012
5.2000	-0.009
5.4000	-0.009
5.6000	-0.009
5.8000	-0.009
6.0000	-0.006
6.2000	-0.006
6.4000	-0.003
6.6000	-0.003
6.8000	0.000
7.0000	0.000
7.2000	0.000
7.4000	0.003
7.6000	0.003
7.8000	0.000
8.0000	0.003
8.2000	0.003
8.4000	0.003
8.6000	0.006
8.8000	0.006
9.0000	0.006
9.2000	0.006
9.4000	0.009
9.6000	0.006
9.8000	0.006
10.0000	0.006

END

CLIENT NSB-NLON	JOB NUMBER 9594 - 0300
SUBJECT Bouwer & Rice Slug Test Data Analysis	
BASED ON 6MW3D Rising Head	DRAWING NUMBER
BY TSE / CHECKED BY WJB	APPROVED BY / DATE 4-12-94

Given $K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln \frac{y_0}{y_t}$



where r_c = casing radius
L = screen length
y_0 = head @ $t_0 = 0$
y_t = head @ $t > t$
L_w = height of H_2O in well
D = saturated thickness

r_w = radius from well centre to undisturbed aquifer

$r_c = 1.0$ in $= 0.083$ ft
$L = 10$ ft
$r_w = 4.0$ in $= 0.333$ ft

Static H_2O level = 5.33 ft
well depth = 90.0 ft
$L_w = (90 - 5.33) = 84.67$

$y_0 = 1.539$ ft
$y_t = 0.52$ ft
$t = 0.1$ min $= 6.94 \times 10^{-5}$ day

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln\left(\frac{y_0}{y_t}\right)$$

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L/r_w}\right]^{-1}$$

$$= \left[\frac{1.1}{\ln(84.67\,ft/0.333\,ft)} + \frac{2}{10\,ft/0.333\,ft}\right]^{-1}$$

$$= 3.77$$

$$K = \frac{(0.083\,ft)^2 (3.77)}{2(10\,ft)(6.94 \times 10^{-5}\,d)} \ln\left(\frac{1.539\,ft}{0.52\,ft}\right)$$

$K = 20.3$ ft/day

$K = 20.3$ ft/day $= 7.16 \times 10^{-3}$ cm/s

6MW3D Rising Head
Bouwer & Rice method

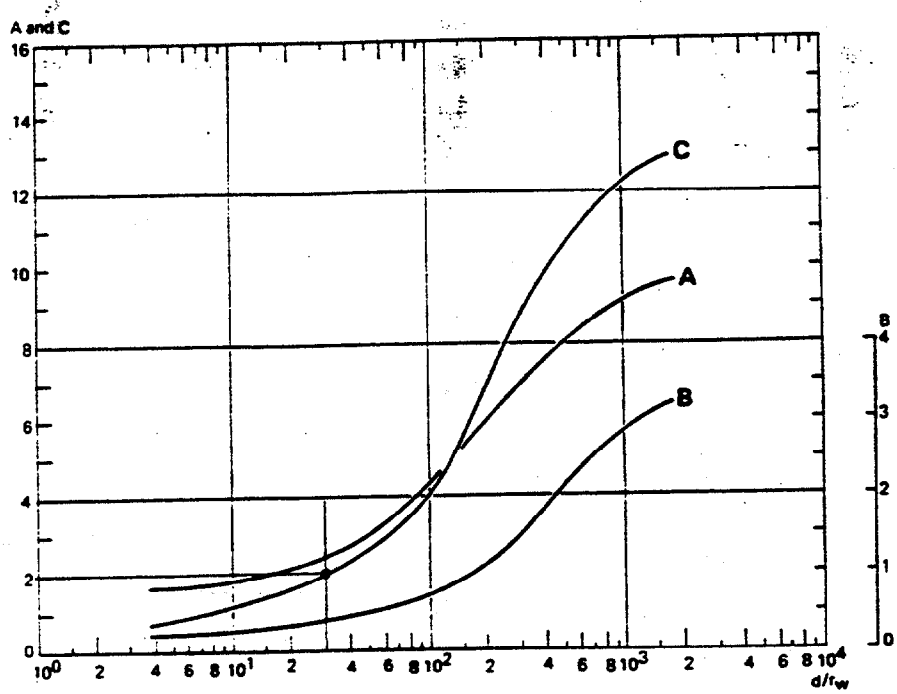


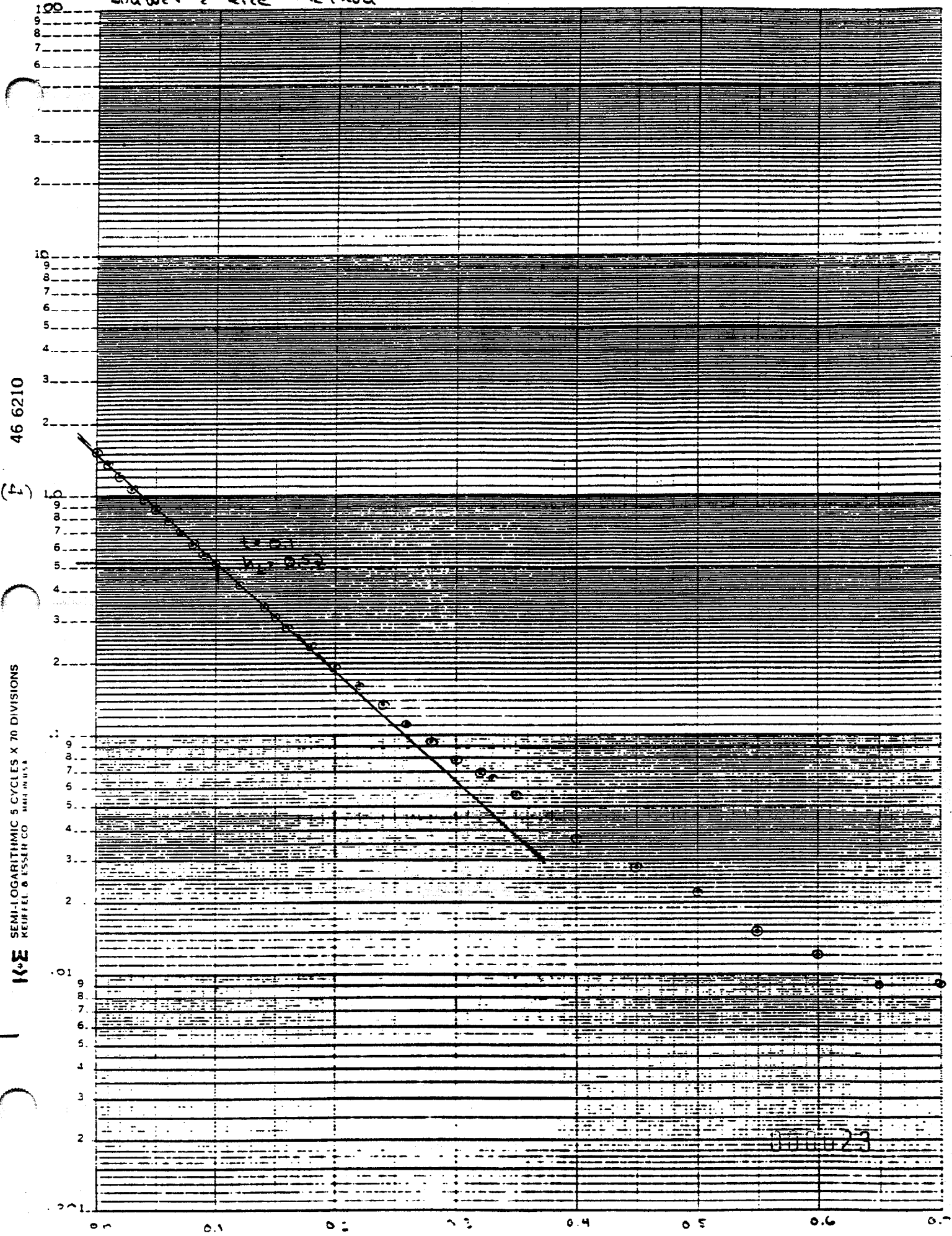
Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

$$d/r_w = 10\,ft / 0.333\,ft = 30.03$$

$$C = 2$$

OMW3D Rising Head Slug

Bouwer & Rice Method



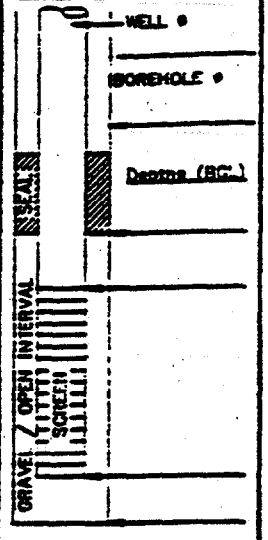
000423

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

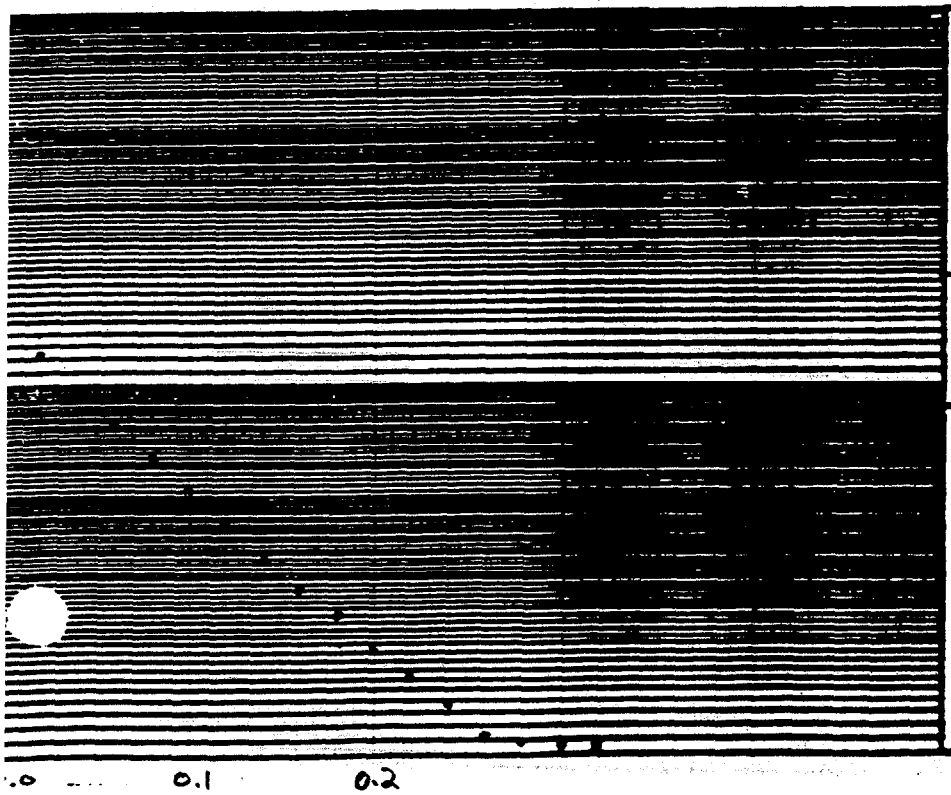
PROJECT NAME: NSB-NLON
WELL/BORING NO.: 6MW3D
PROJECT NO.: 9594
GEOLOGIST:
Total Depth: 89.5'
WELL DIAMETER: 2"
SCREEN LENGTH/DEPTH:
TEST NO.:
STATIC WATER LEVEL (Depth/Elevation): 5.33'
DATE:
TEST TYPE (Rising/Falling/Constant Head): Rising
CHECKED:
METHOD OF INDUCING WATER LEVEL CHANGE: Slug (Length = 5.13', Dia = 0.1') PAGE 1 OF 1
REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Surface

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
0.00		-1.539	0.22		-0.164
0.02		-1.223	0.24		-0.135
0.04		-0.971	0.26		-0.113
0.06		-0.785	0.28		-0.094
0.08		-0.637	0.30		-0.078
0.10		-0.520	0.32		-0.069
0.12		-0.425			
0.13		-0.381			
0.14		-0.343			
0.16		-0.283			
0.18		-0.233			
0.20		-0.195			

WELL SCHEMATIC



Indicate SWL Depth on Drawing



REMARKS:
XD @ 12.75'

Maximum Drawdown: ft.
Recovery Time: min.
Recovery Depth: ft.

CALCS, SKETCH MAPS, ETC.:

000024

BORING NO: GMW3D

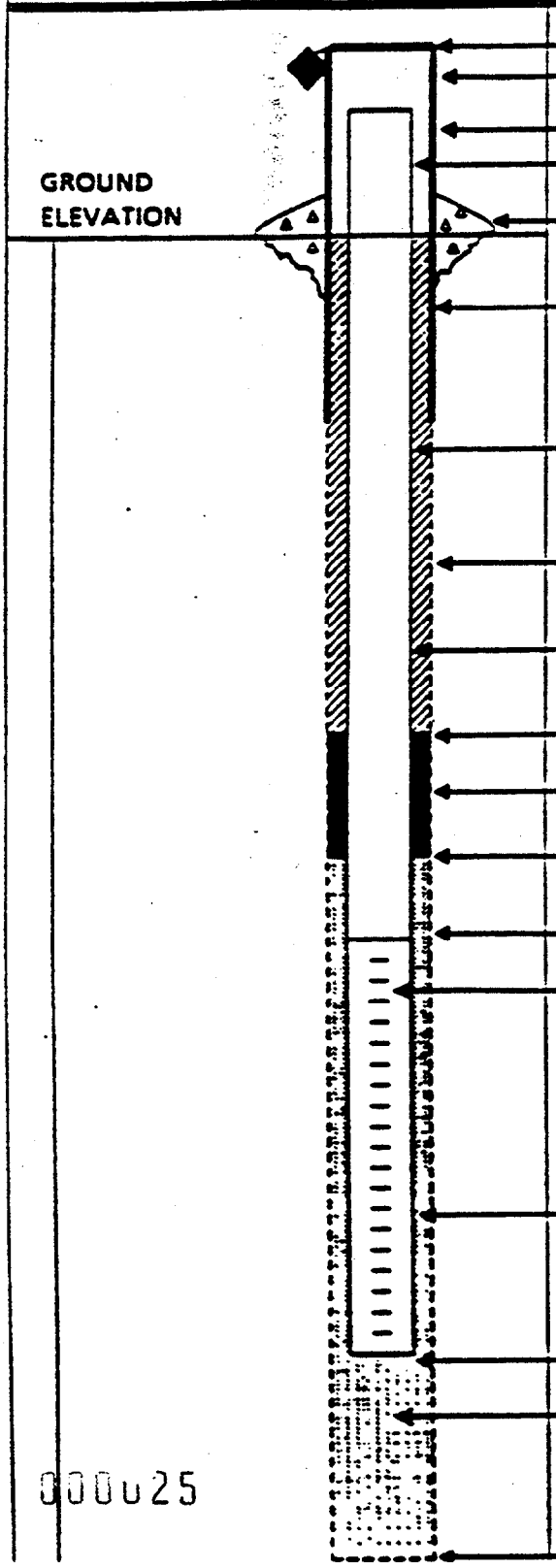
HALLIBURTON NUS
Environmental Corporation

MONITORING WELL SHEET

PROJECT NSB-NLON
PROJECT NO. 9594
ELEVATION
FIELD GEOLOGIST J.R. Ferguson

LOCATION GROTON, CT.
BORING GMW3D
DATE 1-11-93

DRILLER EAST COAST
DRILLING METHOD Hollow Stem Auger
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING:
ELEVATION OF TOP OF RISER PIPE:
STICK - UP TOP OF SURFACE CASING:
STICK - UP RISER PIPE:
TYPE OF SURFACE SEAL:
I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:
RISER PIPE I.D. 2" Ø
TYPE OF RISER PIPE: Sch. 40 PVC
BOREHOLE DIAMETER: 8" Ø
TYPE OF BACKFILL: Bentonite/Cement Grout
ELEVATION / DEPTH TOP OF SEAL: 171'
TYPE OF SEAL: Bentonite Pellet
DEPTH TOP OF SAND PACK: 176
ELEVATION / DEPTH TOP OF SCREEN: 178'
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE x LENGTH: .010 - 10'
I D OF SCREEN: 2" Ø
TYPE OF SAND PACK: Silica Sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 188'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 189
TYPE OF BACKFILL BELOW OBSERVATION WELL: Sand
ELEVATION / DEPTH OF HOLE: 190'

000025

SE1000B
Environmental Logger
04/09 15:40

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00007
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 0 04/09 15:28:13

Rising Head Slug Test
4/9/94
6MW3D

Elapsed Time	INPUT 1
0.0000	-1.539
0.0033	-1.482
0.0066	-1.428
0.0100	-1.375
0.0133	-1.321
0.0166	-1.271
0.0200	-1.223
0.0233	-1.176
0.0266	-1.132
0.0300	-1.094
0.0333	-1.053
0.0366	-1.012
0.0400	-0.971
0.0433	-0.939
0.0466	-0.908
0.0500	-0.876
0.0533	-0.845
0.0566	-0.813
0.0600	-0.785
0.0633	-0.756
0.0666	-0.731
0.0700	-0.709
0.0733	-0.678
0.0766	-0.659
0.0800	-0.637
0.0833	-0.615
0.0866	-0.592
0.0900	-0.570
0.0933	-0.551
0.0966	-0.536
0.1000	-0.520
0.1033	-0.498
0.1066	-0.485
0.1100	-0.470
0.1133	-0.451
0.1166	-0.438
0.1200	-0.425

0.1233	-0.406
0.1266	-0.394
0.1300	-0.381
0.1333	-0.369
0.1366	-0.356
0.1400	-0.343
0.1433	-0.331
0.1466	-0.321
0.1500	-0.312
0.1533	-0.302
0.1566	-0.293
0.1600	-0.283
0.1633	-0.271
0.1666	-0.265
0.1700	-0.255
0.1733	-0.246
0.1766	-0.239
0.1800	-0.233
0.1833	-0.227
0.1866	-0.217
0.1900	-0.214
0.1933	-0.205
0.1966	-0.198
0.2000	-0.195
0.2033	-0.189
0.2066	-0.183
0.2100	-0.176
0.2133	-0.170
0.2166	-0.167
0.2200	-0.164
0.2233	-0.157
0.2266	-0.151
0.2300	-0.148
0.2333	-0.145
0.2366	-0.138
0.2400	-0.135
0.2433	-0.132
0.2466	-0.129
0.2500	-0.123
0.2533	-0.119
0.2566	-0.116
0.2600	-0.113
0.2633	-0.110
0.2666	-0.107
0.2700	-0.104
0.2733	-0.101
0.2766	-0.097
0.2800	-0.094
0.2833	-0.091
0.2866	-0.091
0.2900	-0.088
0.2933	-0.085
0.2966	-0.082
0.3000	-0.078
0.3033	-0.078
0.3066	-0.078
0.3100	-0.075
0.3133	-0.072
0.3166	-0.072
0.3200	-0.069

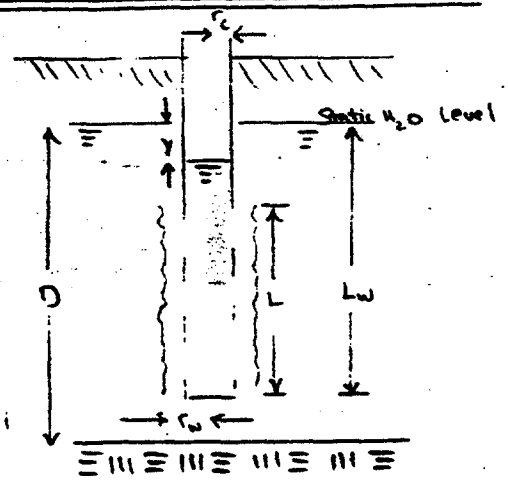
0.3233	-0.069
0.3266	-0.066
0.3300	-0.066
0.3333	-0.063
0.3500	-0.056
0.3666	-0.050
0.3833	-0.041
0.4000	-0.037
0.4166	-0.034
0.4333	-0.028
0.4500	-0.028
0.4666	-0.025
0.4833	-0.022
0.5000	-0.022
0.5166	-0.019
0.5333	-0.019
0.5500	-0.015
0.5666	-0.015
0.5833	-0.015
0.6000	-0.012
0.6166	-0.012
0.6333	-0.009
0.6500	-0.009
0.6666	-0.009
0.6833	-0.009
0.7000	-0.009
0.7166	-0.003
0.7333	-0.009
0.7500	-0.009
0.7666	-0.006
0.7833	-0.003
0.8000	-0.003
0.8166	-0.006
0.8333	-0.003
0.8500	-0.006
0.8666	-0.003
0.8833	-0.003
0.9000	-0.006
0.9166	-0.006
0.9333	-0.006
0.9500	-0.006
0.9666	-0.006
0.9833	-0.006
1.0000	-0.003
1.2000	-0.003
1.4000	-0.006
1.6000	-0.006
1.8000	-0.003
2.0000	-0.006
2.2000	-0.003
2.4000	-0.006
2.6000	-0.006
2.8000	-0.009
3.0000	-0.015
3.2000	-0.012
3.4000	-0.009
3.6000	-0.015
3.8000	-0.009
4.0000	-0.019
4.2000	-0.015

4.4000	-0.012
4.6000	-0.012
4.8000	-0.012
5.0000	-0.012
5.2000	-0.015
5.4000	-0.012
5.6000	-0.012
5.8000	-0.012
6.0000	-0.012
6.2000	-0.012
6.4000	-0.012
6.6000	-0.009
6.8000	-0.012
7.0000	-0.009
7.2000	-0.009
7.4000	-0.012
7.6000	-0.012
7.8000	-0.012
8.0000	-0.012
8.2000	-0.015
8.4000	-0.012
8.6000	-0.015
8.8000	-0.015
9.0000	-0.015
9.2000	-0.012
9.4000	-0.012
9.6000	-0.015
9.8000	-0.012
10.0000	-0.006

END

CLIENT NSB-NLON	JOB NUMBER 9594 - 0300
SUBJECT Bouwer & Rice Slug Test Data Analysis	
BASED ON 6MW75 Rising Head	DRAWING NUMBER ---
BY TSE / CHECKED BY WJB	APPROVED BY / DATE 4-12-94

Given $K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln \frac{y_0}{y_t}$



where r_c = casing radius
L = screen length
y_0 = head @ $t_0 = 0$
y_t = head @ $t > t$
L_w = height of H_2O in well
D = saturated thickness

r_w = radius from well centre to undisturbed aquifer

$r_c = 1.0$ in $= 0.083$ ft
$L = 10$ ft
$r_w = 4.0$ in $= 0.333$ ft

Static H_2O level = 5.16 ft
well Depth = 13.15 ft
$L_w = (13.15 - 5.16) = 7.99$ ft

$y_0 = 1.633$ ft
$y_t = 0.331$ ft
$t = 1.0$ min
$= 6.94 \times 10^{-4}$ day

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln\left(\frac{y_0}{y_t}\right)$$

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L/r_w}\right]^{-1}$$

$$K = \frac{(0.083\text{ ft})^2 (2.42)}{2(10\text{ ft})} \frac{1}{(6.94 \times 10^{-4}\text{ d})} \ln\left(\frac{1.633\text{ ft}}{0.331\text{ ft}}\right)$$

$$= \left[\frac{1.1}{\ln(7.99\text{ ft}/0.333\text{ ft})} + \frac{2}{10\text{ ft}/0.333\text{ ft}}\right]^{-1}$$

$$= 2.42$$

$K = 1.92$ ft/day

$K = 1.92$ ft/day $= 6.76 \times 10^{-4}$ cm/s

6MW7S Rising Head
Bouwer & Rice Method

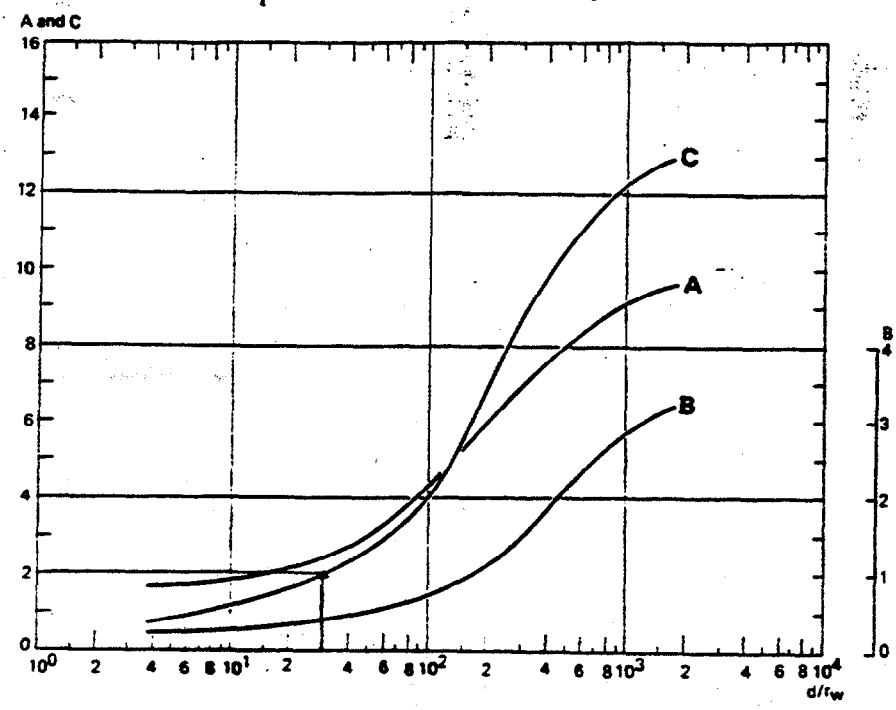


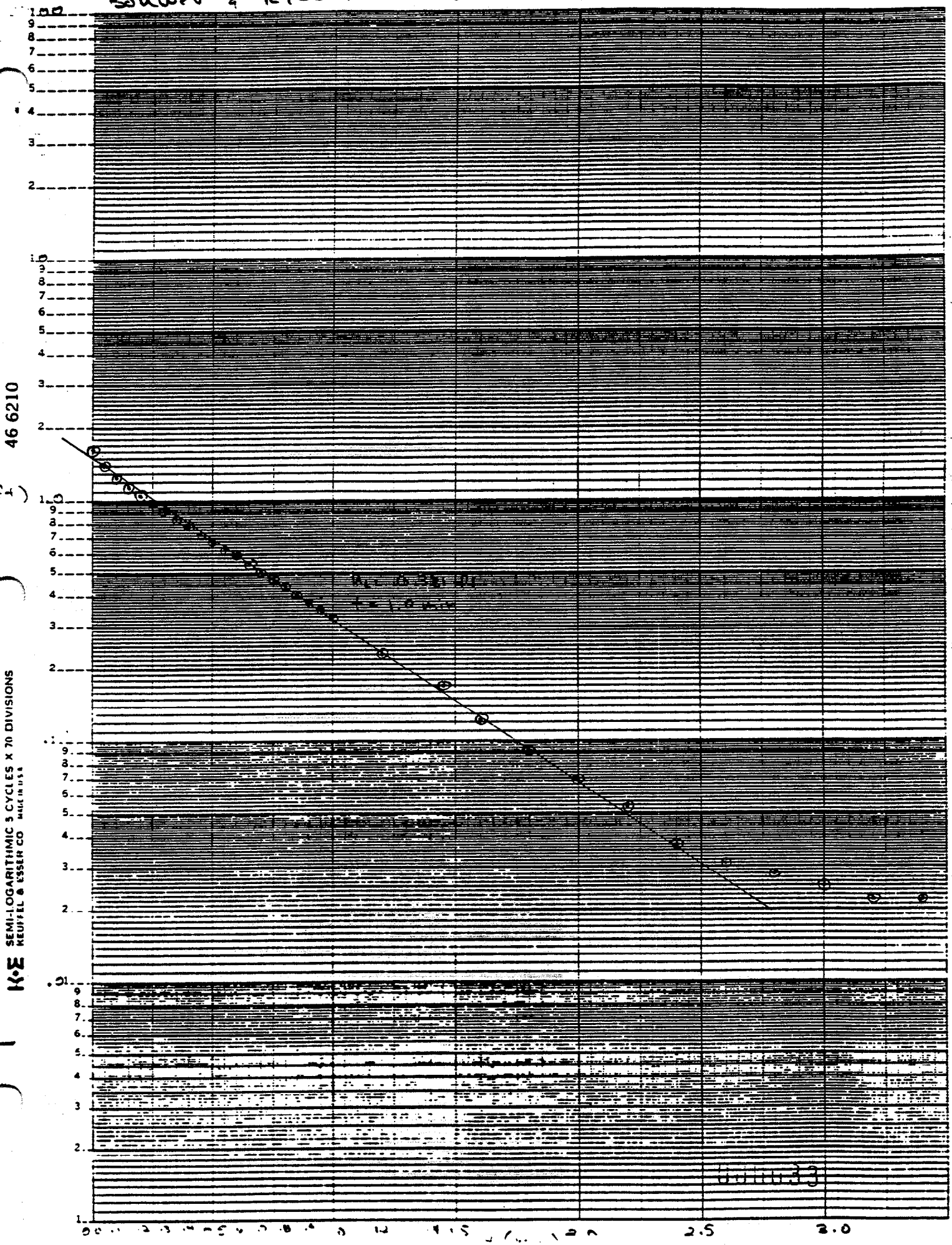
Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

$d/r_w = 10\,ft / 0.333\,ft = 30.03$

$C = 2$

6MW7S Rising Head Slug Test

Bouwer & Rice Method



7 of 9

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB-NLON WELL/BORING NO.: 6MW7S

PROJECT NO.: 9594 GEOLOGIST: Tim E / Stan C Total Depth: 13.15'

WELL DIAMETER: 2" SCREEN LENGTH/DEPTH: 10' TEST NO.:

STATIC WATER LEVEL (Depth/Elevation): 5.16' DATE: 4-9-94

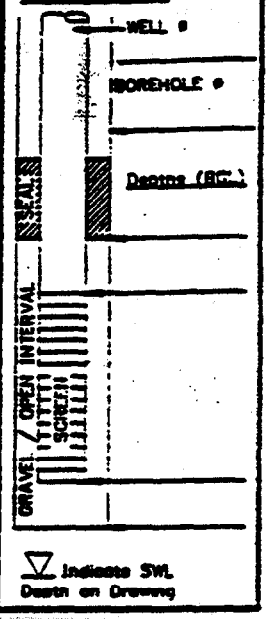
TEST TYPE (Rising/Falling/Constant Head): Rising CHECKED:

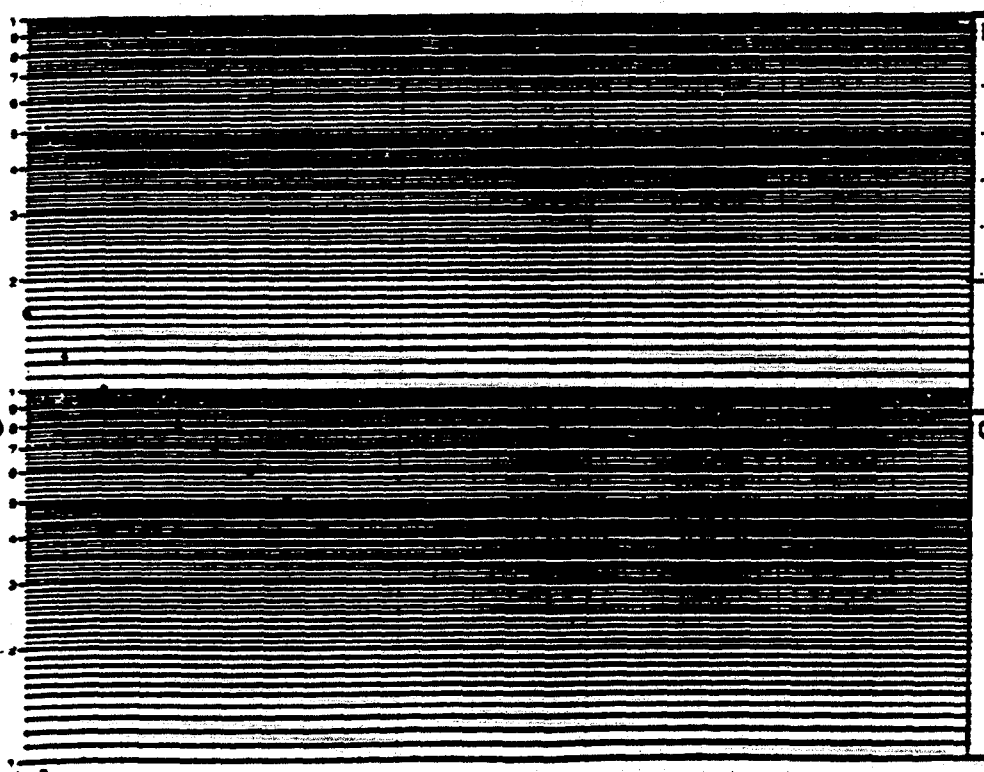
METHOD OF INDUCING WATER LEVEL CHANGE: Slug (Length = 5.13', Dia = 0.1') PAGE 1 OF 1

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Surface

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
0.00	-1.63				
0.10	-1.26				
0.20	-1.06				
0.30	-0.91				
0.40	-0.79				
0.50	-0.68				
0.60	-0.59				
0.70	-0.51				
0.80	-0.44				
0.90	-0.37				

WELL SCHEMATIC





REMARKS:

XD @ 7.81'

Maximum Drawdown: ____ ft.

Recovery Time: ____ min.

Recovery Depth: ____ ft.

CALCS, SKETCH MAPS, ETC.:

000034

HALLIBURTON NUS
Environmental Corporation

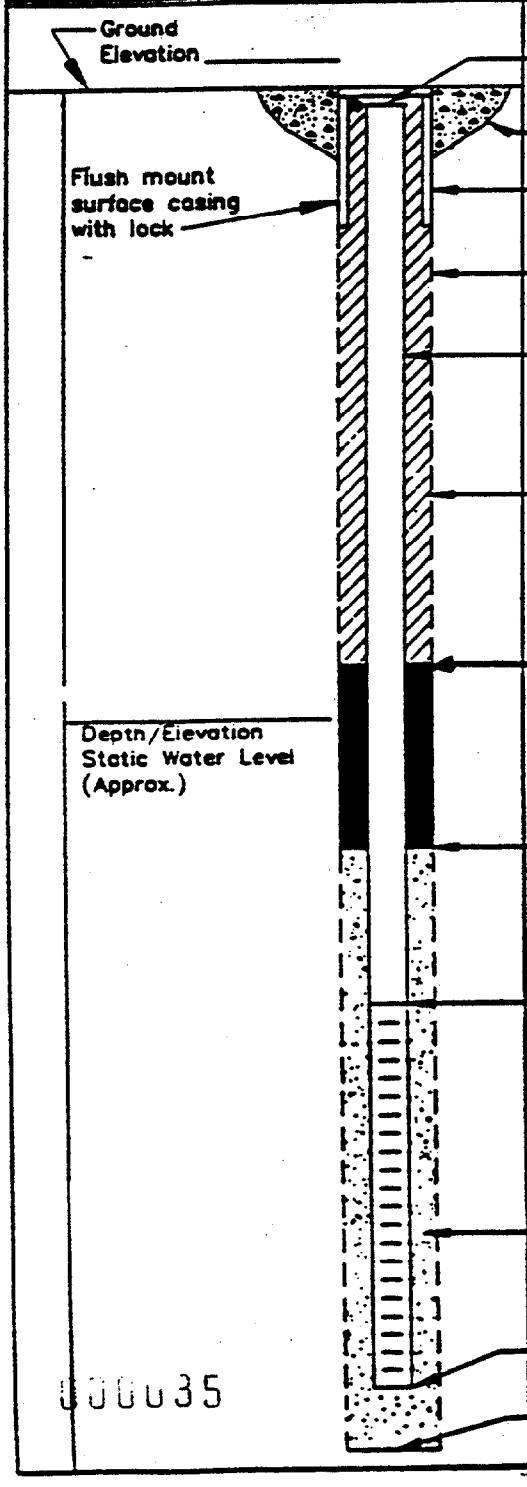
WELL NO.: 6MW7S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON
PROJECT NO.: 9594
ELEVATION:
FIELD GEOLOGIST: Tim Evans

LOCATION: Groton CT
BORING: 6MW7S
DATE: 1-10-94

DRILLER: East Coast
DRILLING METHOD: HSA
DEVELOPMENT METHOD:



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: / 2'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 4' /

DEPTH/ELEVATION TOP OF SCREEN: 6' /

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 16' /

DEPTH/ELEVATION BOTTOM OF SAND: 16' /

DEPTH/ELEVATION BOTTOM OF HOLE: 16' /

BACKFILL MATERIAL BELOW SAND: Natural

000035

SE1000C
Environmental Logger
04/09 15:08

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00007
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 0 04/09 14:56:12

Rising Head Slug Test
4/9/94
GMW7S

Elapsed Time	INPUT 1
0.0000	-1.633
0.0033	-1.614
0.0066	-1.592
0.0100	-1.570
0.0133	-1.551
0.0166	-1.538
0.0200	-1.520
0.0233	-1.504
0.0266	-1.491
0.0300	-1.472
0.0333	-1.463
0.0366	-1.447
0.0400	-1.434
0.0433	-1.422
0.0466	-1.412
0.0500	-1.400
0.0533	-1.387
0.0566	-1.376
0.0600	-1.368
0.0633	-1.356
0.0666	-1.346
0.0700	-1.337
0.0733	-1.327
0.0766	-1.318
0.0800	-1.308
0.0833	-1.299
0.0866	-1.289
0.0900	-1.283
0.0933	-1.274
0.0966	-1.267
0.1000	-1.258
0.1033	-1.248
0.1066	-1.242
0.1100	-1.236
0.1133	-1.226
0.1166	-1.217
0.1200	-1.210

0.1233	-1.204
0.1266	-1.198
0.1300	-1.188
0.1333	-1.182
0.1366	-1.176
0.1400	-1.170
0.1433	-1.163
0.1466	-1.157
0.1500	-1.151
0.1533	-1.141
0.1566	-1.135
0.1600	-1.129
0.1633	-1.122
0.1666	-1.116
0.1700	-1.113
0.1733	-1.103
0.1766	-1.100
0.1800	-1.094
0.1833	-1.088
0.1866	-1.081
0.1900	-1.075
0.1933	-1.069
0.1966	-1.065
0.2000	-1.059
0.2033	-1.053
0.2066	-1.047
0.2100	-1.043
0.2133	-1.037
0.2166	-1.031
0.2200	-1.028
0.2233	-1.021
0.2266	-1.015
0.2300	-1.012
0.2333	-1.006
0.2366	-0.999
0.2400	-0.996
0.2433	-0.990
0.2466	-0.987
0.2500	-0.980
0.2533	-0.977
0.2566	-0.971
0.2600	-0.968
0.2633	-0.961
0.2666	-0.955
0.2700	-0.952
0.2733	-0.946
0.2766	-0.942
0.2800	-0.936
0.2833	-0.933
0.2866	-0.927
0.2900	-0.924
0.2933	-0.920
0.2966	-0.914
0.3000	-0.911
0.3033	-0.905
0.3066	-0.901
0.3100	-0.898
0.3133	-0.892
0.3166	-0.889
0.3200	-0.883

0.3233	-0.879
0.3266	-0.876
0.3300	-0.873
0.3333	-0.870
0.3500	-0.845
0.3666	-0.826
0.3833	-0.804
0.4000	-0.785
0.4166	-0.766
0.4333	-0.747
0.4500	-0.728
0.4666	-0.712
0.4833	-0.693
0.5000	-0.678
0.5166	-0.662
0.5333	-0.646
0.5500	-0.630
0.5666	-0.614
0.5833	-0.602
0.6000	-0.586
0.6166	-0.573
0.6333	-0.558
0.6500	-0.545
0.6666	-0.532
0.6833	-0.520
0.7000	-0.507
0.7166	-0.495
0.7333	-0.482
0.7500	-0.473
0.7666	-0.460
0.7833	-0.447
0.8000	-0.438
0.8166	-0.428
0.8333	-0.419
0.8500	-0.406
0.8666	-0.397
0.8833	-0.387
0.9000	-0.378
0.9166	-0.368
0.9333	-0.362
0.9500	-0.353
0.9666	-0.343
0.9833	-0.337
1.0000	-0.331
1.2000	-0.230
1.4000	-0.170
1.6000	-0.122
1.8000	-0.091
2.0000	-0.069
2.2000	-0.053
2.4000	-0.037
2.6000	-0.031
2.8000	-0.028
3.0000	-0.025
3.2000	-0.022
3.4000	-0.022
3.6000	-0.022
3.8000	-0.022
4.0000	-0.025
4.2000	-0.025

4.4000	-0.028
4.6000	-0.028
4.8000	-0.028
5.0000	-0.031
5.2000	-0.031
5.4000	-0.034
5.6000	-0.034
5.8000	-0.037
6.0000	-0.037
6.2000	-0.040
6.4000	-0.040
6.6000	-0.044
6.8000	-0.044
7.0000	-0.044
7.2000	-0.047
7.4000	-0.047
7.6000	-0.047
7.8000	-0.050
8.0000	-0.050
8.2000	-0.053
8.4000	-0.053
8.6000	-0.056
8.8000	-0.056
9.0000	-0.050
9.2000	-0.053
9.4000	-0.053
9.6000	-0.053
9.8000	-0.053
10.0000	-0.056

END

CLIENT	JOB NUMBER
NSB-NLON	9594

SUBJECT: 8MW2S SLUG TEST ANALYSIS

BASED ON	DRAWING NUMBER
BOUWER & RICE METHOD	

BY	CHECKED BY	APPROVED BY	DATE
L. J. GROSS	DAY 1-9-95		1/6/95

1. RISING HEAD TEST

GND ELEV = 9.91
TOC = 9.43
STATIC WATER LEVEL = 9.43 − 6.73 = 2.70'
TOP OF SCREEN = 9.43 − 5.10 = 4.33' (FIELD MEAS)
BOTTOM OF SCREEN = 9.43 − 15.10 = −5.67' (FIELD MEAS)

WATER TABLE CROSSES SCREEN → H = L
H ≡ distance from water table to bottom of intake
L ≡ LENGTH OF INTAKE

$H = L = 2.7 - (-5.67) = 8.37$ ft

IN THIS AREA OVERBURDEN > 85 feet thick.
→ ASSUME $D \gg H$, D ≡ AQUIFER THICKNESS

r_c ≡ radius of casing = 1"/12 = 0.083 ft
r_w ≡ radius of well = 4"/12 = 0.333 ft
$y_0 = 1.07$ ft
$y_t = 0.027$ ft @ $t = 1.1$ min

$$\ln \frac{R_e}{r_w} = \left[\frac{1.1}{\ln(H/r_w)} + \frac{A + B\ln\left(\frac{D-H}{r_w}\right)}{L/r_w}\right]^{-1}$$

FOR $D \gg H$, $\ln\left(\frac{D-H}{r_w}\right) \to 6$

$L/r_w = \frac{8.37 \text{ feet}}{0.333 \text{ feet}} = 25.14$

FROM CURVES A = 2.3 B = 0.30

CALCULATION WORKSHEET Order No. 19110 (01-01)

CLIENT		JOB NUMBER	
SUBJECT			
BASED ON		DRAWING NUMBER	
BY	CHECKED BY DAY 1-9-95	APPROVED BY	DATE

$$\ln\left(\frac{R_e}{r_w}\right) = \left[\frac{1.1}{\ln\left(\frac{8.37}{0.333}\right)} + \frac{2.3 + 0.3\,(6)}{(8.37/0.333)}\right]^{-1}$$

$$= 1.98$$

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln \frac{y_o}{y_t}$$

$$= \frac{(0.083)^2\,(1.98)}{2\,(8.37)} \left(\frac{1}{1.1\,\text{min}}\right) \ln\left(\frac{1.07}{0.027}\right)$$

$$= 2.73 \times 10^{-3}\ \text{ft/min}$$

$$= 3.93\ \text{ft/day}$$

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB NEW LONDON WELL/BORING NO.: BMW25

PROJECT NO.: 9594 GEOLOGIST: J.P. FERGUSON

WELL DIAMETER: 2" Ø SCREEN LENGTH/DEPTH: 10' 15.10 TEST NO.: T2 S1

STATIC WATER LEVEL (Depth/Elevation): 6.73' DATE: 3-20-94

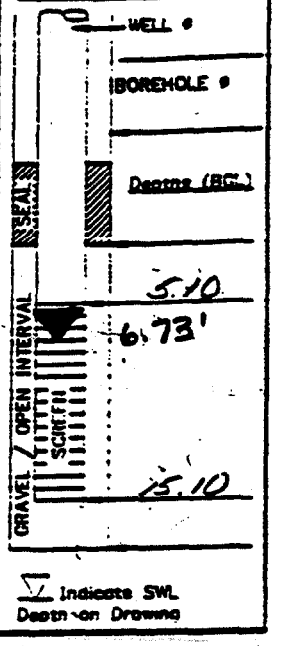
TEST TYPE (Rising/Falling/Constant Head): RISING HEAD CHECKED:

METHOD OF INDUCING WATER LEVEL CHANGE: SOLID SLUG REMOVAL PAGE 2 OF 7

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): T.O.C PVC

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
.0100	2.508	x			
.0300	2.272				
.0500	1.802	x			
.0800	1.411				
.1000	1.242	x			
.3000	.438	x			
.5000	.193	x			
.6000	.136	x			

WELL SCHEMATIC

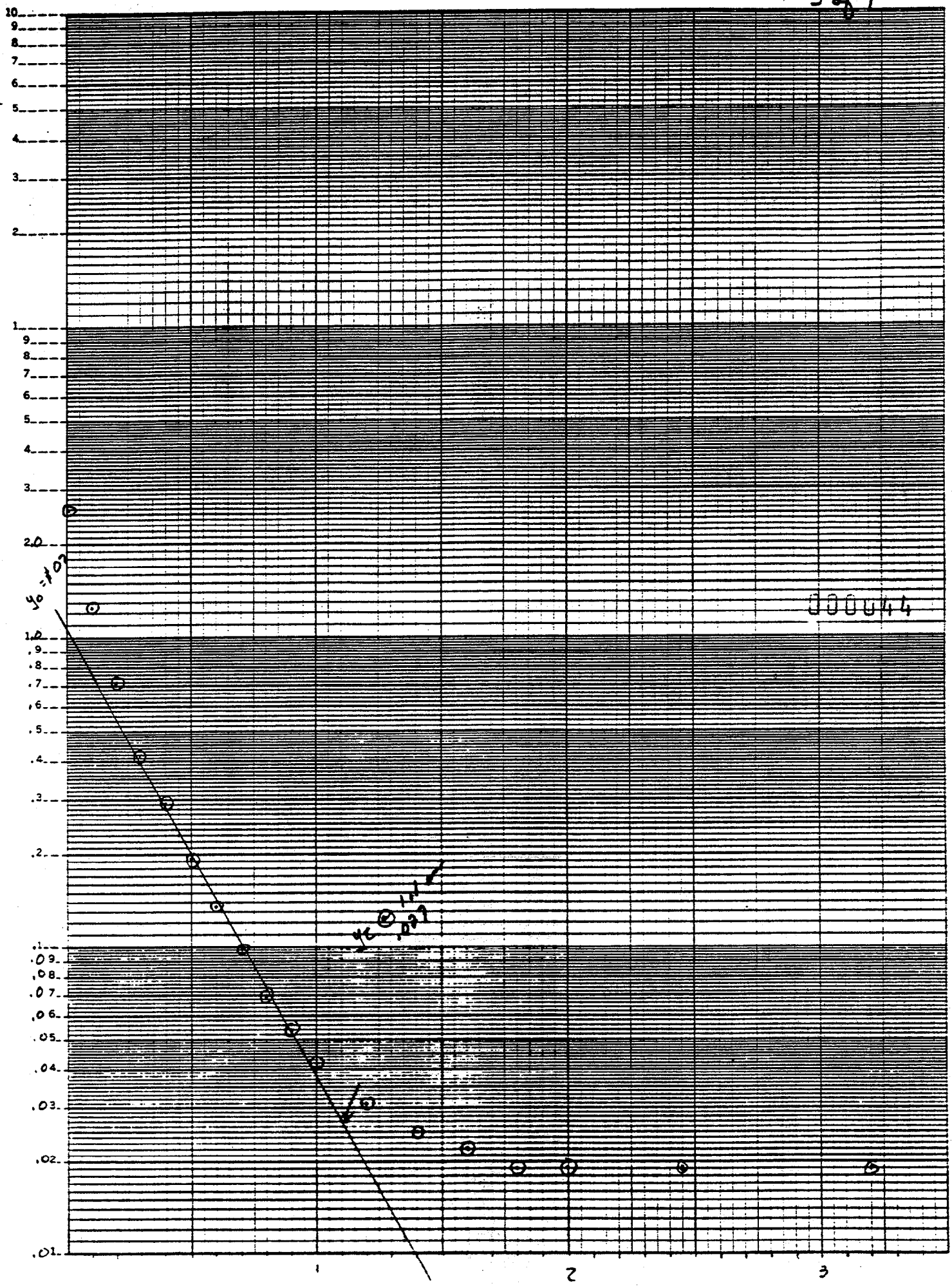


REMARKS:

BMW25 IS TIDALLY INFLUENCED. Possibly reason for well not recovering to original STATIC WATER LEVEL. STATIC WATER LEVEL AT START OF TEST 2 STEP 1 = 6.73'

CALCS, SKETCH MAPS, ETC.:

000043


46 6010
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
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.4
.3
.2
.1
.09
.08
.07
.06
.05
.04
.03
.02
.01
1
2
3
$y_0 = .107$
y_t @ .097
1.1

SE1000C
Environmental Logger
03/21 11:01

Unit# 00143 Test 2

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 1 03/20 16:40:59

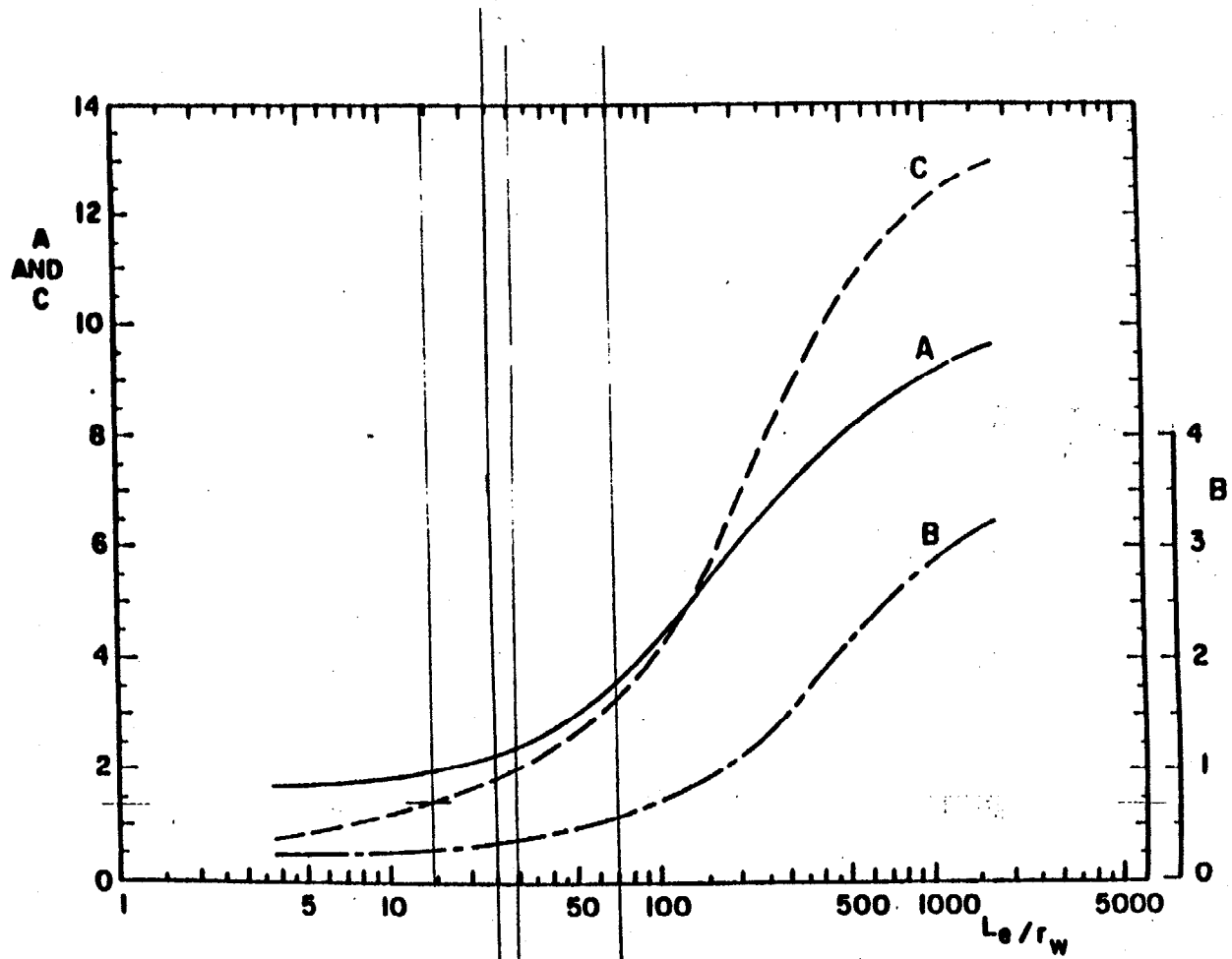
Elapsed Time	INPUT 1
0.0000	1.964
0.0033	2.342
0.0066	2.400
0.0100	2.508
0.0133	2.457
0.0166	2.381
0.0200	2.272
0.0233	2.250
0.0266	2.129
0.0300	2.098
0.0333	2.056
0.0366	1.967
0.0400	1.875
0.0433	1.866
0.0466	1.815
0.0500	1.802
0.0533	1.770
0.0566	1.700
0.0600	1.640
0.0633	1.624
0.0666	1.548
0.0700	1.506
0.0733	1.452
0.0766	1.443
0.0800	1.411
0.0833	1.379
0.0866	1.357
0.0900	1.312
0.0933	1.281
0.0966	1.265
0.1000	1.242
0.1033	1.204
0.1066	1.188

0.1100	1.169
0.1133	1.150
0.1166	1.128
0.1200	1.106
0.1233	1.090
0.1266	1.064
0.1300	1.049
0.1333	1.026
0.1366	1.007
0.1400	0.988
0.1433	0.972
0.1466	0.956
0.1500	0.934
0.1533	0.918
0.1566	0.902
0.1600	0.883
0.1633	0.867
0.1666	0.851
0.1700	0.836
0.1733	0.823
0.1766	0.807
0.1800	0.797
0.1833	0.778
0.1866	0.766
0.1900	0.753
0.1933	0.737
0.1966	0.727
0.2000	0.712
0.2033	0.699
0.2066	0.689
0.2100	0.680
0.2133	0.667
0.2166	0.654
0.2200	0.645
0.2233	0.635
0.2266	0.626
0.2300	0.613
0.2333	0.604
0.2366	0.591
0.2400	0.581
0.2433	0.572
0.2466	0.562
0.2500	0.553
0.2533	0.543
0.2566	0.537
0.2600	0.527
0.2633	0.518
0.2666	0.511
0.2700	0.502
0.2733	0.492
0.2766	0.486
0.2800	0.480
0.2833	0.470
0.2866	0.464
0.2900	0.457
0.2933	0.451
0.2966	0.445
0.3000	0.438
0.3033	0.432

0.3100	0.419
0.3133	0.413
0.3166	0.406
0.3200	0.400
0.3233	0.397
0.3266	0.391
0.3300	0.387
0.3333	0.381
0.3500	0.356
0.3666	0.333
0.3833	0.311
0.4000	0.292
0.4166	0.273
0.4333	0.257
0.4500	0.238
0.4666	0.222
0.4833	0.206
0.5000	0.193
0.5166	0.181
0.5333	0.171
0.5500	0.162
0.5666	0.152
0.5833	0.143
0.6000	0.136
0.6166	0.127
0.6333	0.120
0.6500	0.114
0.6666	0.108
0.6833	0.101
0.7000	0.098
0.7166	0.092
0.7333	0.089
0.7500	0.082
0.7666	0.079
0.7833	0.073
0.8000	0.069
0.8166	0.066
0.8333	0.063
0.8500	0.063
0.8666	0.060
0.8833	0.057
0.9000	0.054
0.9166	0.054
0.9333	0.050
0.9500	0.047
0.9666	0.047
0.9833	0.044
1.0000	0.044
1.2000	0.031
1.4000	0.025
1.6000	0.022
1.8000	0.019
2.0000	0.019
2.2000	0.019
2.4000	0.019
2.6000	0.022
2.8000	0.022
3.0000	0.019
3.2000	0.019
3.4000	0.022

3.6000	0.022
3.8000	0.022
4.0000	0.019
4.2000	0.022
4.4000	0.022
4.6000	0.022
4.8000	0.025
5.0000	0.025
5.2000	0.025
5.4000	0.025
5.6000	0.028
5.8000	0.028
6.0000	0.028
6.2000	0.028
6.4000	0.028
6.6000	0.025
6.8000	0.028
7.0000	0.028
7.2000	0.031
7.4000	0.028
7.6000	0.031
7.8000	0.031
8.0000	0.031
8.2000	0.031
8.4000	0.031
8.6000	0.031
8.8000	0.031
9.0000	0.035
9.2000	0.035
9.4000	0.035
9.6000	0.035
9.8000	0.038
10.0000	0.035
12.0000	0.038
14.0000	0.041

END



C = 1.4

Fig. 2. Dimensionless parameters A, B, and C as a function of L_e/r_w for calculation of $\ln(R_e/r_w)$.

692

000049

CALCULATION WORKSHEET Order No. 19116 (01-91)

CLIENT	JOB NUMBER
NAVAL SUBMARINE BASE NEW LONDON	2049 9594 030

SUBJECT: BOUWER AND RICE SLUG TEST ANALYSIS - BMW2D RISING HEAD

BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
JRF		WJB	4-1-94 4-8-94

STATIC WATER LEVEL = 6.70'

$H = L_w = (64 - 6.70) = 57.30$

$L_e = 10'$

$r_c = 3''$ or $.083'$

$r_w = 4''$ or $.333'$

$B = (64 - 6.70) = 57.30$

$y_0 = 3.2'$

$y_t = .317'$

$\Delta t = 11.8$ min

For $H = L_w = D$ $L_e / r_w = 14.92$ — $C = 1.4$

(see Figure 2 Dimensionless parameters in Falling head calculation)

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L_e/r_w}\right]}$$

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2 L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[\frac{1.1}{\ln(57.3/.333)} + \frac{1.4}{10/.333}\right]}$$

$$K = \frac{(.083)^2 (3.83)}{2(10)} \frac{1}{11.8} \ln \frac{3.2}{.317}$$

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[\frac{1.1}{\ln 172.07} + \frac{1.4}{30.03}\right]}$$

$$K = \frac{(.007)(3.83)}{(20)} (.085)(2.31)$$

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[1.1/5.15 + .047\right]}$$

$$K = (.0013)(.085)(2.31)$$

$$K = 2.63 \times 10^{-4} \text{ ft/min}$$

$$\ln \frac{R_e}{r_w} = \frac{1}{.2119 + .047} = 3.83$$

$$2.63 \times 10^{-4} \frac{\text{ft}}{\text{min}} \quad \frac{1 \text{ min}}{60 \text{ sec}} = 4.39 \times 10^{-6} \text{ ft/sec}$$

$$4.39 \times 10^{-6} \frac{\text{ft}}{\text{sec}} \quad \frac{12 \text{ in}}{1 \text{ ft}} \quad \frac{2.54 \text{ cm}}{1 \text{ in}} = 1.34 \times 10^{-4} \text{ cm/sec}$$

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB NEW LONDON — WELL/BORING NO.: 8MW2D

PROJECT NO.: 9694 — GEOLOGIST: J.R. FERGUSON

WELL DIAMETER: 2" ϕ — SCREEN LENGTH/DEPTH: 10' 61.99 — TEST NO.: T351

STATIC WATER LEVEL (Depth/Elevation): 16.70 — DATE: 3-20-94

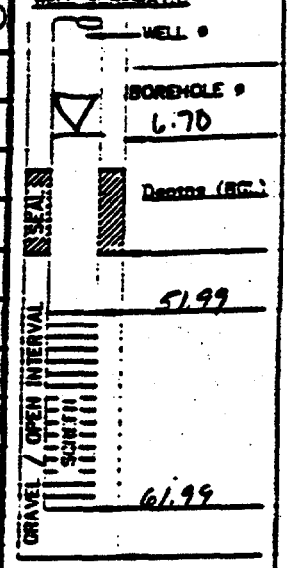
TEST TYPE (Rising/Falling/Constant Head): RISING HEAD — CHECKED:

METHOD OF INDUCING WATER LEVEL CHANGE: REMOVAL OF SOLID SLUG — PAGE 2 OF 8

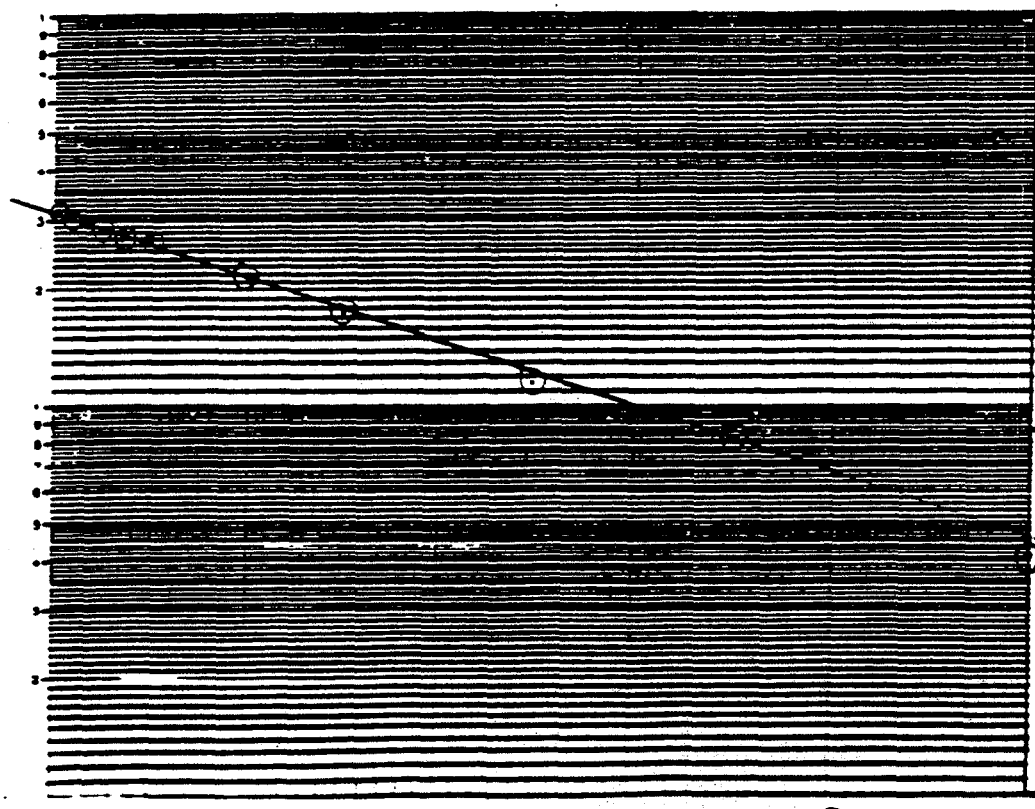
REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): T.O.C PVC

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
.0366	3.366 x		12.00	.356	
.1000	3.140				
.200	3.048 x				
.300	2.991				
.5000	2.867 x				
.7500	2.730 x				
1.00	2.600 x				
2.00	2.101 x				
3.00	1.726 x				
5.00	1.166 x				
7.00	.801 x				
10.00	.479 x				

WELL SCHEMATIC



Indicate SWL Depth on Drawing



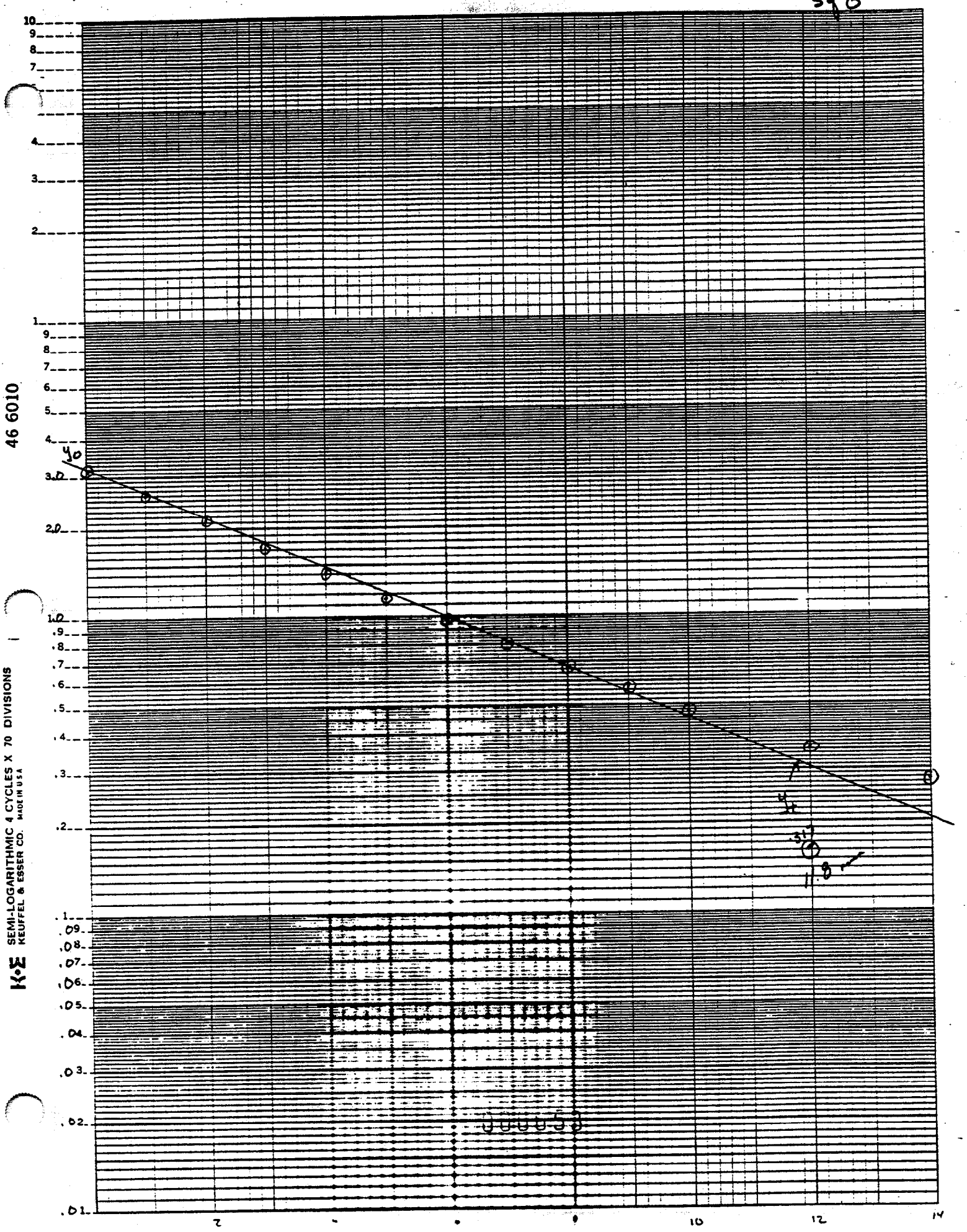
REMARKS:

STATIC WATER LEVEL AT START OF TEST 3 STEP 1 = 6.70'

CALCS.SKETCH MAPS, ETC.:

000052

3 of 8


K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
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3-20-94
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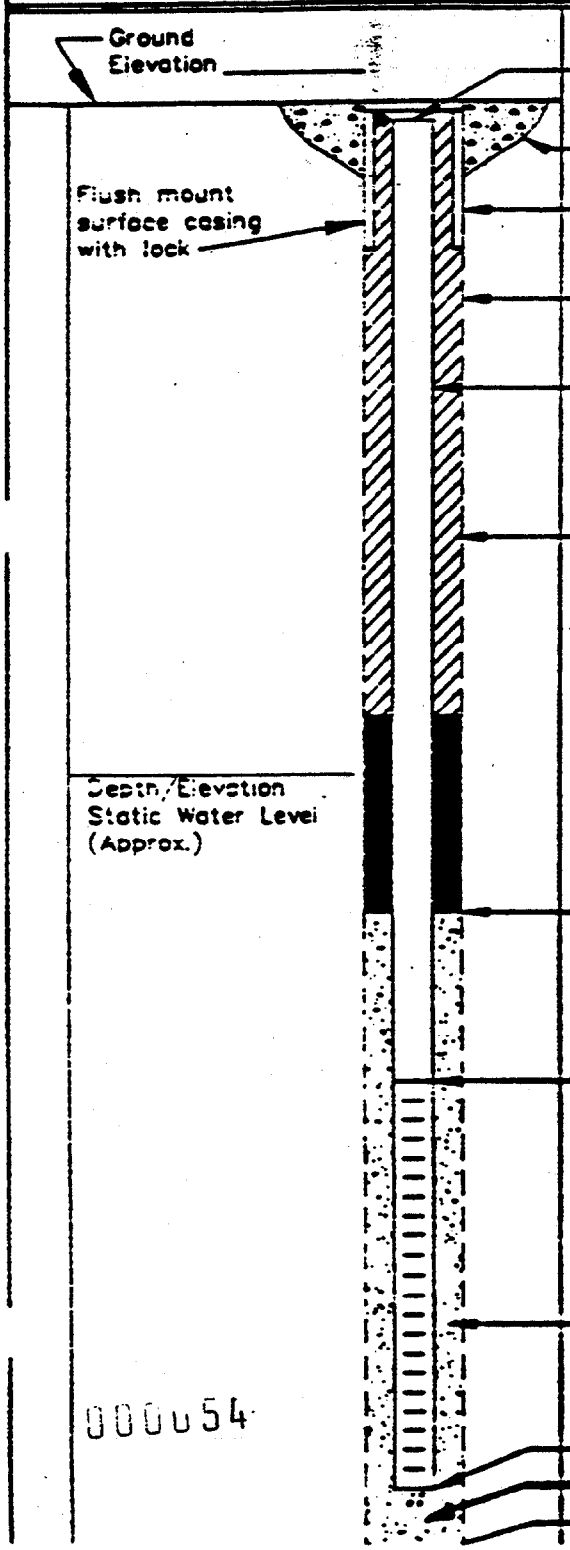
14

NUS CORPORATION

WELL NO.: 4 of 8 SMW2D

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON
LOCATION: Goss Cove
DRILLER: Bret Swiatek
PROJECT NO.: 9594
BORING: SMW2D
DRILLING METHOD: HSA
ELEVATION:
DATE: 12-6-93
DEVELOPMENT METHOD:
FIELD GEOLOGIST: PAUL DAVIS



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 53' /

DEPTH/ELEVATION TOP OF SCREEN: 54' GS/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 64' GS/

DEPTH/ELEVATION BOTTOM OF SAND: 64' GS/

DEPTH/ELEVATION BOTTOM OF HOLE: 64' GS/

000054

SE1000C
Environmental Logger
03/21 11:11

Unit# 00143 Test 3

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 1 03/20 17:47:01

Elapsed Time	INPUT 1
0.0000	0.410
0.0033	1.144
0.0066	1.446
0.0100	1.554
0.0133	1.738
0.0166	2.012
0.0200	2.390
0.0233	2.425
0.0266	2.832
0.0300	2.959
0.0333	2.997
0.0366	3.166
0.0400	3.147
0.0433	3.169
0.0466	3.166
0.0500	3.159
0.0533	3.159
0.0566	3.143
0.0600	3.150
0.0633	3.137
0.0666	3.150
0.0700	3.147
0.0733	3.118
0.0766	3.137
0.0800	3.162

0.0833	3.134
0.0866	3.134
0.0900	3.127
0.0933	3.099
0.0966	3.134
0.1000	3.140
0.1033	3.102
0.1066	3.121
0.1100	3.112
0.1133	3.112
0.1166	3.105
0.1200	3.105
0.1233	3.102
0.1266	3.099
0.1300	3.099
0.1333	3.096
0.1366	3.093
0.1400	3.089
0.1433	3.089
0.1466	3.086
0.1500	3.086
0.1533	3.083
0.1566	3.080
0.1600	3.077
0.1633	3.077
0.1666	3.073
0.1700	3.070
0.1733	3.070
0.1766	3.067
0.1800	3.064
0.1833	3.064
0.1866	3.061
0.1900	3.058
0.1933	3.054
0.1966	3.051
0.2000	3.048
0.2033	3.048
0.2066	3.045
0.2100	3.045
0.2133	3.042
0.2166	3.042
0.2200	3.038
0.2233	3.035
0.2266	3.035
0.2300	3.032
0.2333	3.029
0.2366	3.026
0.2400	3.023
0.2433	3.023
0.2466	3.019
0.2500	3.019
0.2533	3.016
0.2566	3.013
0.2600	3.013
0.2633	3.010
0.2666	3.007
0.2700	3.007
0.2733	3.004
0.2766	3.000
0.2800	3.000

0.2833	2.997
0.2866	2.994
0.2900	2.994
0.2933	2.991
0.2966	2.991
0.3000	2.991
0.3033	2.984
0.3066	2.984
0.3100	2.981
0.3133	2.978
0.3166	2.978
0.3200	2.975
0.3233	2.975
0.3266	2.972
0.3300	2.972
0.3333	2.969
0.3500	2.959
0.3666	2.949
0.3833	2.937
0.4000	2.927
0.4166	2.918
0.4333	2.908
0.4500	2.899
0.4666	2.889
0.4833	2.880
0.5000	2.867
0.5166	2.857
0.5333	2.851
0.5500	2.838
0.5666	2.829
0.5833	2.822
0.6000	2.813
0.6166	2.800
0.6333	2.791
0.6500	2.784
0.6666	2.775
0.6833	2.765
0.7000	2.756
0.7166	2.746
0.7333	2.740
0.7500	2.730
0.7666	2.721
0.7833	2.711
0.8000	2.702
0.8166	2.695
0.8333	2.686
0.8500	2.676
0.8666	2.667
0.8833	2.660
0.9000	2.651
0.9166	2.641
0.9333	2.632
0.9500	2.625
0.9666	2.616
0.9833	2.606
1.0000	2.600
1.2000	2.463
1.4000	2.368
1.6000	2.276
1.8000	2.187

2.0000	2.101
2.2000	2.018
2.4000	1.942
2.6000	1.865
2.8000	1.792
3.0000	1.726
3.2000	1.656
3.4000	1.592
3.6000	1.532
3.8000	1.475
4.0000	1.417
4.2000	1.363
4.4000	1.309
4.6000	1.258
4.8000	1.214
5.0000	1.166
5.2000	1.122
5.4000	1.080
5.6000	1.039
5.8000	1.001
6.0000	0.966
6.2000	0.928
6.4000	0.896
6.6000	0.864
6.8000	0.832
7.0000	0.801
7.2000	0.772
7.4000	0.746
7.6000	0.718
7.8000	0.692
8.0000	0.670
8.2000	0.648
8.4000	0.626
8.6000	0.603
8.8000	0.584
9.0000	0.565
9.2000	0.546
9.4000	0.527
9.6000	0.511
9.8000	0.495
10.0000	0.479
12.0000	0.356
14.0000	0.279
16.0000	0.232
18.0000	0.206
20.0000	0.190
22.0000	0.184
24.0000	0.184
26.0000	0.187
28.0000	0.190
30.0000	0.197
32.0000	0.203
34.0000	0.209
36.0000	0.219
38.0000	0.228

END

CLIENT	JOB NUMBER
Naval Submarine Base New London	2049 9594 030

SUBJECT: Bouwer and Rice Slug Test Analysis — 8MW2D Falling Head

BASED ON: | DRAWING NUMBER:

BY	CHECKED BY	APPROVED BY	DATE
JRF		WJB	4-1-94 4-8-94

Static water level 7.23' (PVC)

$L_w = (64 - 7.23) = 56.77'$

$L_e = 10'$

$r_c = 2''$ or .083

$r_w = 8''$ or .333

$H = 64 - 7.23 = 56.77$

$y_0 = 3.1'$

$y_t = .184'$

$\Delta t = 12$ min $(y_t - y_0)$

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2 L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

$$= \frac{(.083)^2 (3.83)}{2(10)} \cdot \frac{1}{12} \cdot \ln \frac{3.1}{.184}$$

$$= \frac{(.007)(3.83)}{20} \cdot (.083) \cdot (\ln 16.85)$$

$$= (.0013)(.083)(2.82)$$

$K = 3.04 \times 10^{-4}$ ft/— or 5.07×10^{-6} ft/sec or 1.55×10^{-4} cm/sec

For $H = L_w$

$L_e/r_w = 14.92$

$C = 1.4$

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L_e/r_w}\right]}$$

$$\ln \frac{R_e}{r_w} = \frac{1}{\left[\left(\frac{1.1}{\ln(56.77/.333)}\right) + \left(\frac{1.4}{10/.333}\right)\right]}$$

$$\frac{1}{\left[\left(\frac{1.1}{\ln(170.5)}\right) + \left(\frac{1.4}{30.03}\right)\right]}$$

$$\frac{1}{\left[\left(\frac{1.1}{5.13}\right) + .047\right]}$$

$$\ln R_e/r_w = \frac{1}{(.214 + .047)} \Rightarrow 3.83$$

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB New London WELL/BORING NO.: 8MW2D

PROJECT NO.: 9594 GEOLOGIST: J.R. Ferguson

WELL DIAMETER: 2" ϕ SCREEN LENGTH/DEPTH: 10' 61.99' TEST NO.: T3.50

STATIC WATER LEVEL (Depth/Elevation): 7.23 DATE: 3-20-94

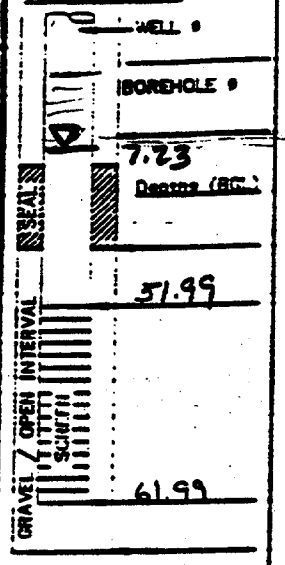
TEST TYPE (Rising/Falling/Constant Head): Falling Head CHECKED:

METHOD OF INDUCING WATER LEVEL CHANGE: Insertion of Solid Slug PAGE 3 OF 9

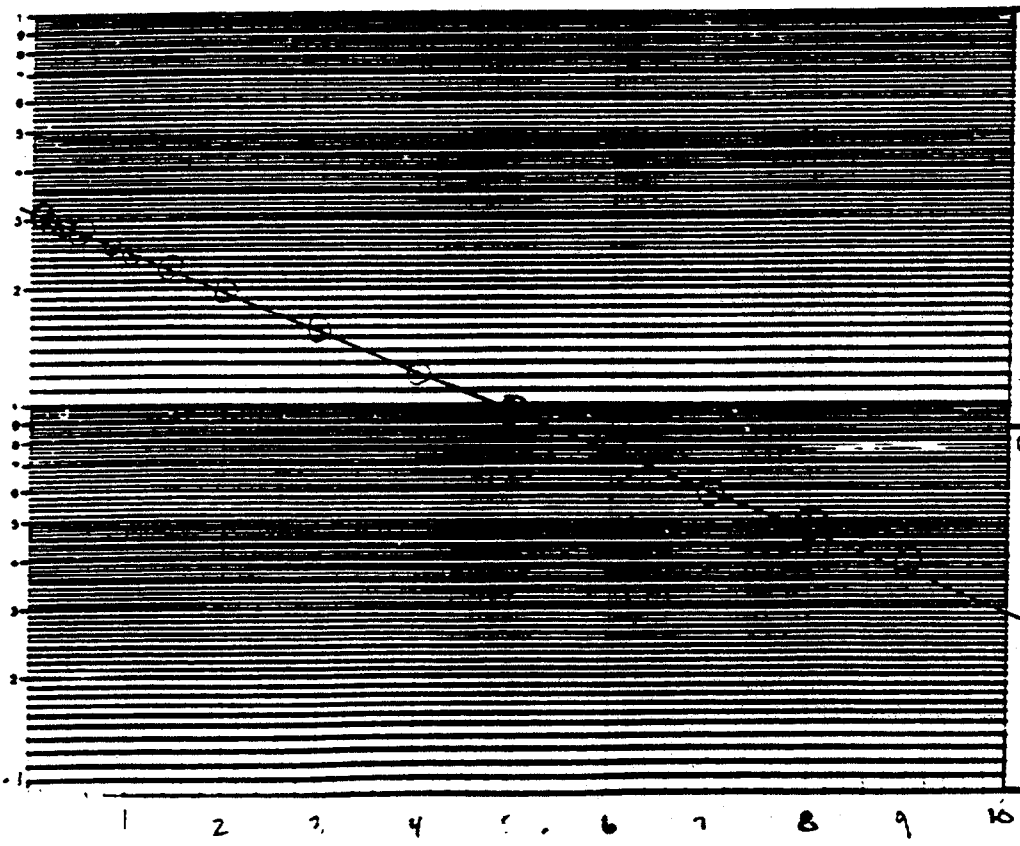
REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): T.O.C. PVC

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
.0933	3.077 X		7.00	0.591	
.2000	2.921 X		8.00	0.470	
.3000	2.842 X		9.00	0.372	
.5000	2.730 X				
.8000	2.568 X				
1.000	2.463 X				
1.400	2.231 X				
2.00	1.955 X				
3.00	1.554 X				
4.00	1.220				
5.00	0.953				
6.00	0.750				

WELL SCHEMATIC



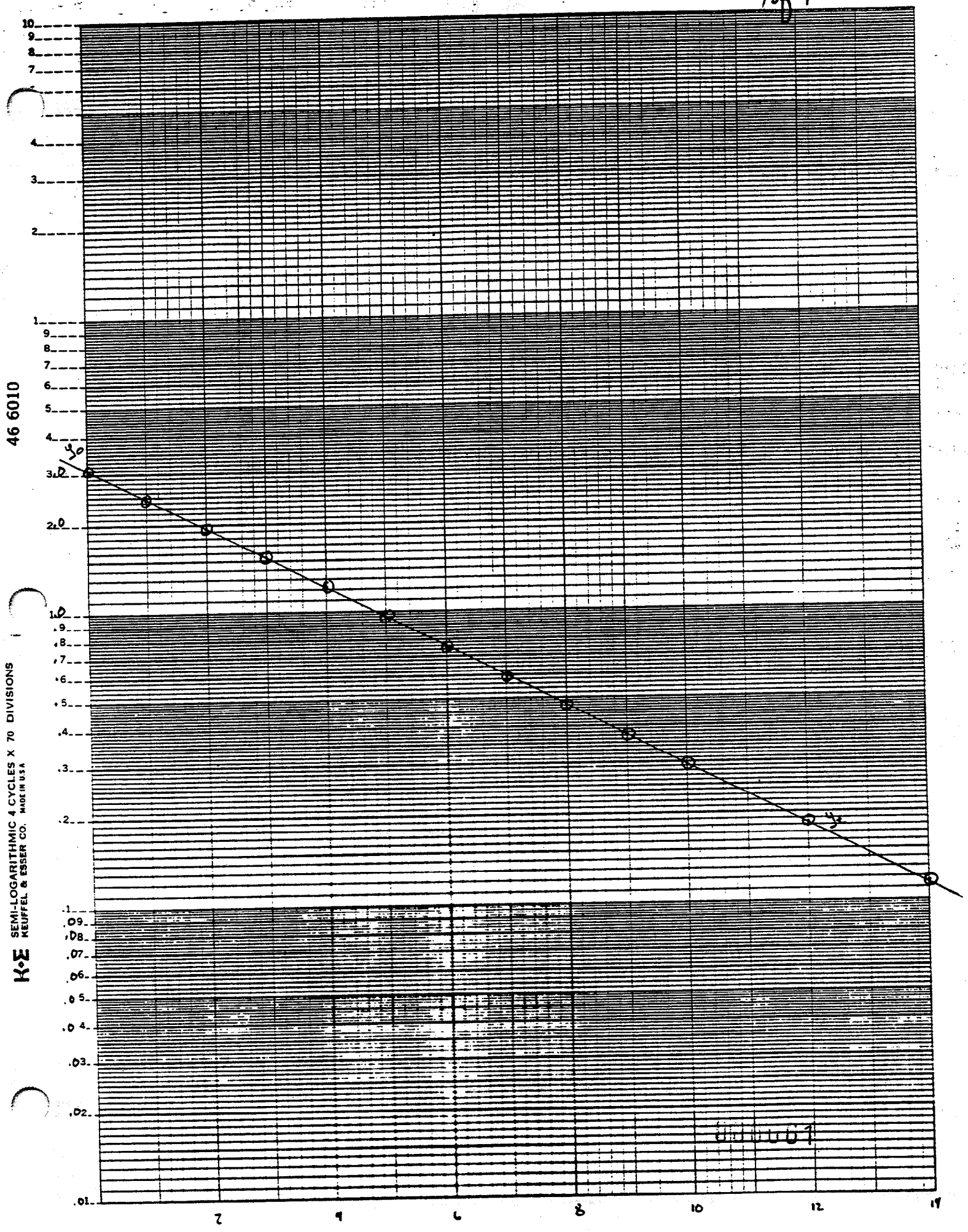
Indicate SWL Depth on Drawing



REMARKS:

CALCS, SKETCH MAPS, ETC.:

000060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KEUFFEL & ESSER CO. MADE IN U.S.A.
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3-20-74

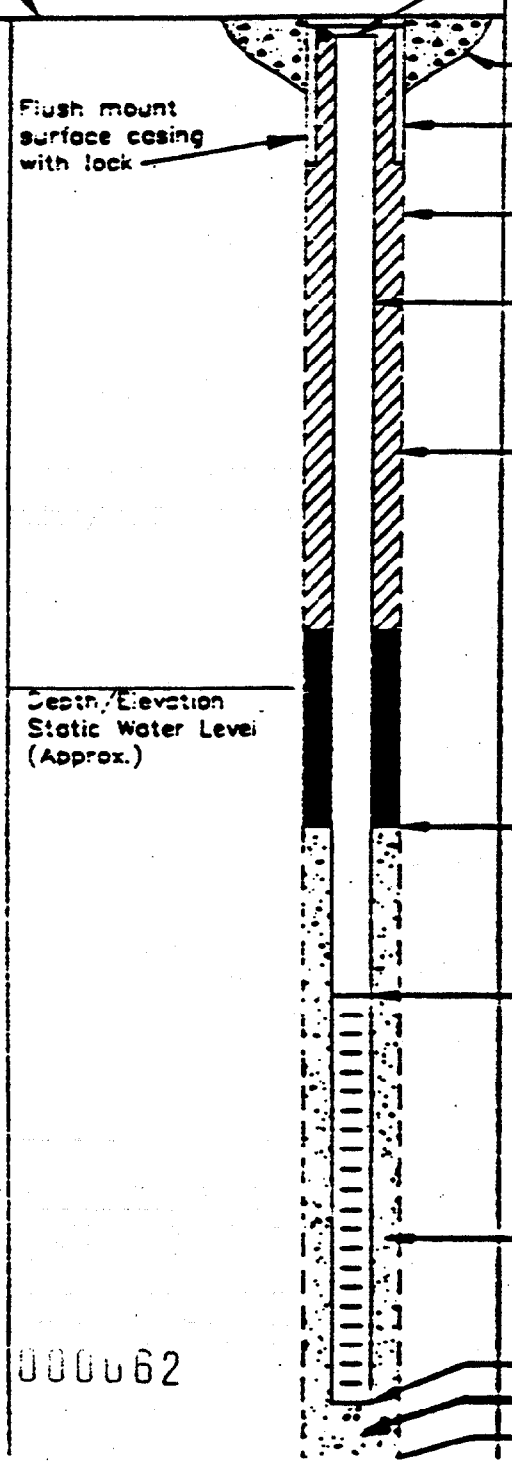
5 of 9

NUS CORPORATION

WELL NO.: 8MW2D

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB - NLON	LOCATION: Goss Cove	DRILLER: Bret Swiatek
PROJECT NO.: 9594	BORING: 8MW2D	DRILLING METHOD: HSA
ELEVATION:	DATE: 12-6-93	DEVELOPMENT METHOD:
FIELD GEOLOGIST: PAUL DAVIS		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 6"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Cement Grout / Bentonite Pellet

DEPTH/ELEVATION TOP OF SAND: 53' /

DEPTH/ELEVATION TOP OF SCREEN: 54' GS/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 10 SL x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 64' GS/

DEPTH/ELEVATION BOTTOM OF SAND: 64' GS/

DEPTH/ELEVATION BOTTOM OF HOLE: 64' GS/

000062

SE1000C
Environmental Logger
03/21 11:07

Unit# 00143 Test 3

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 0 03/20 17:15:01

Elapsed Time	INPUT 1
0.0000	-2.673
0.0033	-3.693
0.0066	-3.601
0.0100	-2.966
0.0133	-2.816
0.0166	-2.117
0.0200	-2.365
0.0233	-3.458
0.0266	-3.331
0.0300	-3.124
0.0333	-2.778
0.0366	-3.016
0.0400	-3.337
0.0433	-3.035
0.0466	-1.792
0.0500	-3.442
0.0533	-3.449
0.0566	-2.842
0.0600	-2.295
0.0633	-3.223
0.0666	-3.010
0.0700	-2.931
0.0733	-2.962
0.0766	-2.966
0.0800	-2.969
0.0833	-2.962
0.0866	-2.966
0.0900	-2.956
0.0933	-3.077
0.0966	-2.972
0.1000	-2.962
0.1033	-2.953
0.1066	-2.950
0.1100	-2.950
0.1133	-2.946
0.1166	-2.946
0.1200	-2.943

0.1233	-2.940
0.1266	-2.940
0.1300	-2.985
0.1333	-2.953
0.1366	-2.931
0.1400	-2.931
0.1433	-2.927
0.1466	-2.927
0.1500	-2.924
0.1533	-2.924
0.1566	-2.921
0.1600	-2.918
0.1633	-2.918
0.1666	-2.915
0.1700	-2.915
0.1733	-2.943
0.1766	-2.915
0.1800	-2.912
0.1833	-2.905
0.1866	-2.902
0.1900	-2.902
0.1933	-2.899
0.1966	-2.889
0.2000	-2.921
0.2033	-2.902
0.2066	-2.889
0.2100	-2.889
0.2133	-2.889
0.2166	-2.886
0.2200	-2.886
0.2233	-2.883
0.2266	-2.883
0.2300	-2.886
0.2333	-2.886
0.2366	-2.768
0.2400	-2.858
0.2433	-2.816
0.2466	-2.851
0.2500	-2.864
0.2533	-2.867
0.2566	-2.864
0.2600	-2.864
0.2633	-2.861
0.2666	-2.861
0.2700	-2.858
0.2733	-2.858
0.2766	-2.854
0.2800	-2.854
0.2833	-2.851
0.2866	-2.851
0.2900	-2.848
0.2933	-2.848
0.2966	-2.845
0.3000	-2.842
0.3033	-2.838
0.3066	-2.838
0.3100	-2.835
0.3133	-2.835
0.3166	-2.832
0.3200	-2.832

0.3233	-2.829
0.3266	-2.829
0.3300	-2.826
0.3333	-2.822
0.3500	-2.813
0.3666	-2.803
0.3833	-2.794
0.4000	-2.781
0.4166	-2.775
0.4333	-2.765
0.4500	-2.756
0.4666	-2.746
0.4833	-2.737
0.5000	-2.730
0.5166	-2.721
0.5333	-2.711
0.5500	-2.702
0.5666	-2.692
0.5833	-2.683
0.6000	-2.673
0.6166	-2.664
0.6333	-2.654
0.6500	-2.644
0.6666	-2.636
0.6833	-2.629
0.7000	-2.619
0.7166	-2.613
0.7333	-2.603
0.7500	-2.594
0.7666	-2.584
0.7833	-2.575
0.8000	-2.566
0.8166	-2.559
0.8333	-2.549
0.8500	-2.540
0.8666	-2.530
0.8833	-2.524
0.9000	-2.517
0.9166	-2.505
0.9333	-2.495
0.9500	-2.489
0.9666	-2.479
0.9833	-2.470
1.0000	-2.463
1.2000	-2.333
1.4000	-2.231
1.6000	-2.136
1.8000	-2.044
2.0000	-1.955
2.2000	-1.869
2.4000	-1.786
2.6000	-1.707
2.8000	-1.627
3.0000	-1.554
3.2000	-1.478
3.4000	-1.411
3.6000	-1.344
3.8000	-1.278
4.0000	-1.220
4.2000	-1.160

4.4000	-1.106
4.6000	-1.052
4.8000	-1.004
5.0000	-0.953
5.2000	-0.912
5.4000	-0.867
5.6000	-0.826
5.8000	-0.788
6.0000	-0.750
6.2000	-0.718
6.4000	-0.683
6.6000	-0.651
6.8000	-0.619
7.0000	-0.591
7.2000	-0.565
7.4000	-0.537
7.6000	-0.515
7.8000	-0.492
8.0000	-0.470
8.2000	-0.448
8.4000	-0.426
8.6000	-0.410
8.8000	-0.391
9.0000	-0.372
9.2000	-0.356
9.4000	-0.340
9.6000	-0.324
9.8000	-0.311
10.0000	-0.295
12.0000	-0.184
14.0000	-0.114
16.0000	-0.063
18.0000	-0.031
20.0000	-0.006
22.0000	0.012
24.0000	0.025
26.0000	0.041
28.0000	0.050
30.0000	0.044

END

CALCULATION WORKSHEET

Order No. 19116 (01-91)

CLIENT	JOB NUMBER
NSB New London	2049 9594-0300

SUBJECT: Bouwer and Rice Slug Test Analysis - 15MW15 Falling Head Test

BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
JRF		WJB	4-1-94 4/8/94

Static Water Level 3.00

$L_w = (14.45 - 3.0) = 11.45$

$L_e = 10'$

$r_c = 1''$ or $.083'$

$r_w = 4''$ or $.333'$

$H = 11.45$

$y_0 = 2.17$

$y_t = .2$

$\Delta t = 5$

For $H = L_w$

$L_e/r_w = 14.92$

$C = 1.4$

$$\ln R_e/r_w = \frac{1}{\left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L_e/r_w}\right]}$$

$$\ln R_e/r_w = \frac{1}{\left[\frac{1.1}{\ln(11.45/.333)} + \frac{1.4}{(10/.333)}\right]}$$

$$\ln R_e/r_w = \frac{1}{\left[\left(\frac{1.1}{3.54}\right) + \left(\frac{1.4}{30.03}\right)\right]}$$

$$\ln R_e/r_w = \frac{1}{(.311 + .047)} = 2.79$$

$$K = \frac{r_c^2 \ln R_e/r_w}{2 L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

$$K = \frac{(.083)^2 (2.79)}{2(10)} \frac{1}{(5)} \ln \frac{(2.17)}{(.2)}$$

$$K = \frac{(.007)(2.79)(.20)(2.88)}{(20)}$$

$$K = 4.65 \times 10^{-4} \frac{ft}{} = 0.67 \text{ ft/day}$$

$$4.65 \times 10^{-4} \frac{ft}{} \cdot \frac{1 \text{ min}}{60 \text{ sec}} = 7.75 \times 10^{-6} \text{ ft/sec}$$

$$7.75 \times 10^{-6} \text{ ft/sec} \cdot \frac{12 \text{ in}}{1 \text{ ft}} \cdot \frac{2.54 \text{ cm}}{1 \text{ in}} = 2.36 \times 10^{-4} \frac{\text{cm}}{\text{sec}}$$

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB New London — WELL/BORING NO.: 15MW15

PROJECT NO.: 9594 — GEOLOGIST: J.R. Ferguson

WELL DIAMETER: 2" Ø — SCREEN LENGTH/DEPTH: 10' 14.45 — TEST NO.: T150

STATIC WATER LEVEL (Depth/Elevation): 3.00' — DATE: 3-20-94

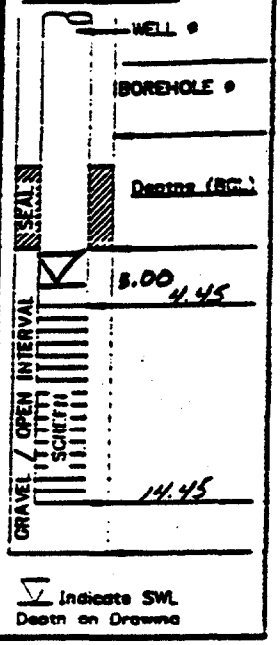
TEST TYPE (Rising/Falling/Constant Head): Falling Head Test — CHECKED:

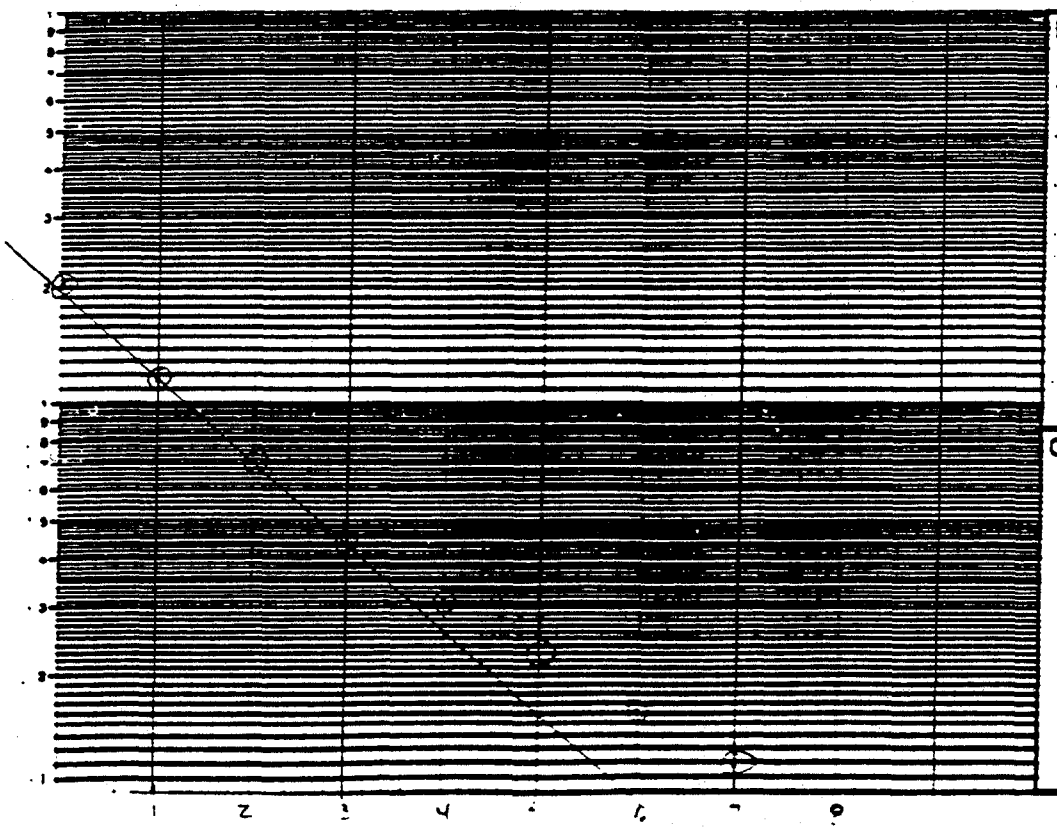
METHOD OF INDUCING WATER LEVEL CHANGE: Solid Slug Insertion — PAGE 2 OF 8

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Top of PVC Casing

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
.0500	2.085				
.1000	1.872				
.2000	1.751				
.4000	1.548				
.5000	1.462				
1.00	1.153				
2.00	.715				
3.00	.980				
4.00	.329				
5.00	.228				
6.00	.162				
7.00	.117				

WELL SCHEMATIC

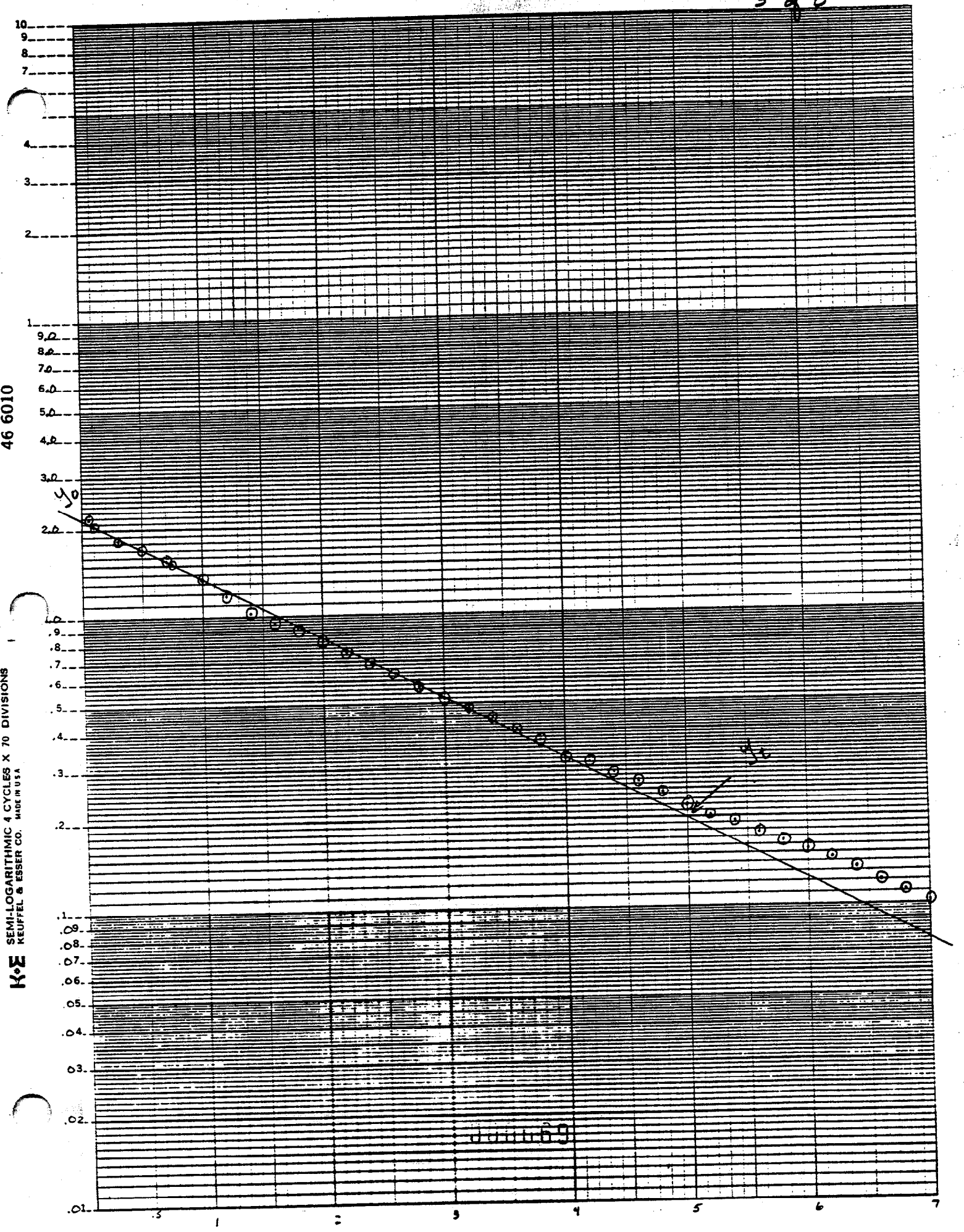




REMARKS:

CALCS.SKETCH MAPS, ETC.:

000068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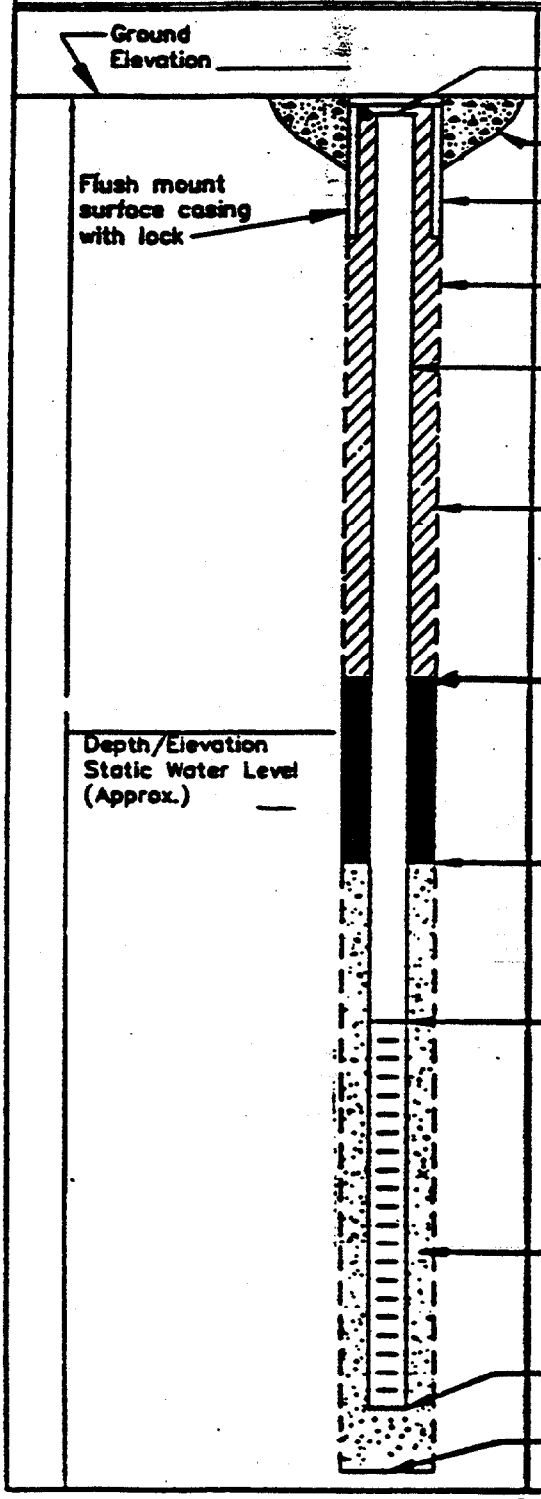
HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW1S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON
LOCATION: Groton, CT
DRILLER: East Coast
PROJECT NO.: 9594
BORING: 15MW1S
DRILLING METHOD: HSA
ELEVATION:
DATE: 1-20-94
DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans



ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
TYPE OF PROTECTIVE CASING: Steel
I.D. OF PROTECTIVE CASING: 4"
BOREHOLE DIAMETER: 8"
TYPE OF RISER PIPE: PVC
RISER PIPE I.D.: 2"
TYPE OF BACKFILL/SEAL: Grout
ELEVATION / DEPTH TOP OF SEAL: /1.5'
TYPE OF SEAL: Bentonite Chips
DEPTH/ELEVATION TOP OF SAND: 3.5'/
DEPTH/ELEVATION TOP OF SCREEN: 4.45 5'/
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
TYPE OF SAND PACK: Silica Sand
DEPTH/ELEVATION BOTTOM OF SCREEN: Field measurement 14.45 15'/
DEPTH/ELEVATION BOTTOM OF SAND: 15'/
DEPTH/ELEVATION BOTTOM OF HOLE: 15'/
BACKFILL MATERIAL BELOW SAND: N/A

SE1000C
Environmental Logger
03/21 10:51

Unit# 00143 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 0 03/20 14:20:01

Elapsed Time	INPUT 1
0.0000	-2.571
0.0033	-2.549
0.0066	-1.907
0.0100	-1.233
0.0133	-1.109
0.0166	-1.560
0.0200	-2.136
0.0233	-2.565
0.0266	-2.501
0.0300	-2.168
0.0333	-1.827
0.0366	-1.681
0.0400	-1.631
0.0433	-2.050
0.0466	-2.152
0.0500	-2.085
0.0533	-1.945
0.0566	-1.856
0.0600	-1.869
0.0633	-1.945
0.0666	-1.993
0.0700	-1.977
0.0733	-1.923
0.0766	-1.885
0.0800	-1.885
0.0833	-1.907
0.0866	-1.923
0.0900	-1.913
0.0933	-1.891
0.0966	-1.875
0.1000	-1.872
0.1033	-1.875
0.1066	-1.878
0.1100	-1.881
0.1133	-1.843
0.1166	-1.850

0.1200	-1.837
0.1233	-1.843
0.1266	-1.850
0.1300	-1.846
0.1333	-1.834
0.1366	-1.824
0.1400	-1.821
0.1433	-1.821
0.1466	-1.818
0.1500	-1.815
0.1533	-1.808
0.1566	-1.802
0.1600	-1.799
0.1633	-1.796
0.1666	-1.792
0.1700	-1.786
0.1733	-1.783
0.1766	-1.777
0.1800	-1.773
0.1833	-1.770
0.1866	-1.767
0.1900	-1.764
0.1933	-1.757
0.1966	-1.754
0.2000	-1.751
0.2033	-1.748
0.2066	-1.745
0.2100	-1.742
0.2133	-1.735
0.2166	-1.732
0.2200	-1.726
0.2233	-1.722
0.2266	-1.719
0.2300	-1.716
0.2333	-1.713
0.2366	-1.710
0.2400	-1.707
0.2433	-1.703
0.2466	-1.700
0.2500	-1.697
0.2533	-1.691
0.2566	-1.688
0.2600	-1.684
0.2633	-1.681
0.2666	-1.678
0.2700	-1.675
0.2733	-1.672
0.2766	-1.668
0.2800	-1.665
0.2833	-1.662
0.2866	-1.659
0.2900	-1.656
0.2933	-1.653
0.2966	-1.649
0.3000	-1.646
0.3033	-1.640
0.3066	-1.640
0.3100	-1.637
0.3133	-1.634
0.3166	-1.630

0.3200	-1.627
0.3233	-1.621
0.3266	-1.621
0.3300	-1.618
0.3333	-1.614
0.3500	-1.599
0.3666	-1.579
0.3833	-1.564
0.4000	-1.548
0.4166	-1.532
0.4333	-1.516
0.4500	-1.503
0.4666	-1.487
0.4833	-1.475
0.5000	-1.462
0.5166	-1.452
0.5333	-1.440
0.5500	-1.427
0.5666	-1.414
0.5833	-1.401
0.6000	-1.392
0.6166	-1.379
0.6333	-1.370
0.6500	-1.360
0.6666	-1.351
0.6833	-1.338
0.7000	-1.328
0.7166	-1.316
0.7333	-1.306
0.7500	-1.297
0.7666	-1.287
0.7833	-1.274
0.8000	-1.268
0.8166	-1.255
0.8333	-1.243
0.8500	-1.236
0.8666	-1.227
0.8833	-1.214
0.9000	-1.206
0.9166	-1.198
0.9333	-1.185
0.9500	-1.179
0.9666	-1.169
0.9833	-1.163
1.0000	-1.153
1.2000	-1.020
1.4000	-0.931
1.6000	-0.852
1.8000	-0.782
2.0000	-0.715
2.2000	-0.661
2.4000	-0.610
2.6000	-0.562
2.8000	-0.521
3.0000	-0.480
3.2000	-0.441
3.4000	-0.413
3.6000	-0.381
3.8000	-0.352
4.0000	-0.327

4.2000	-0.305
4.4000	-0.282
4.6000	-0.263
4.8000	-0.248
5.0000	-0.228
5.2000	-0.213
5.4000	-0.200
5.6000	-0.184
5.8000	-0.171
6.0000	-0.162
6.2000	-0.149
6.4000	-0.139
6.6000	-0.133
6.8000	-0.124
7.0000	-0.117
7.2000	-0.108
7.4000	-0.101
7.6000	-0.095
7.8000	-0.092
8.0000	-0.085
8.2000	-0.082
8.4000	-0.076
8.6000	-0.069
8.8000	-0.069
9.0000	-0.066
9.2000	-0.060
9.4000	-0.057
9.6000	-0.050
9.8000	-0.050
10.0000	-0.047
12.0000	-0.031
14.0000	-0.022
16.0000	-0.015
18.0000	-0.012
20.0000	-0.012
22.0000	-0.006

END

CALCULATION WORKSHEET

Order No. 19116 (01-91)

CLIENT	JOB NUMBER
Naval Submarine Base New London	2049 9594 0300

SUBJECT: Bouwer and Rice Slug Test Analysis – 15MW15 Rising Head Test

BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
JRF		WJB	4-1-94 4/8/94

Static water level 3.0' (PVC)

For $H = L_w$: $L_e/r_w = 14.92 \rightarrow C = 1.4$

$L_w = 14.45 - 3.0 = 11.45$

$L_e = 10'$

$r_c = 1''$ or .083

$r_w = 4''$ or .333

$H = 11.45$

$y_0 = 1.89$

$y_t = .225$

$\Delta t = 4.5$

$$\ln R_e/r_w = \frac{1}{\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L_e/r_w}}$$

$$\ln R_e/r_w = \frac{1}{\frac{1.1}{\ln(11.45/.333)} + \frac{1.4}{(10/.333)}}$$

$$K = \frac{r_c^2 \ln R_e/r_w}{2L_e} \frac{1}{t} \ln \frac{y_0}{y_t}$$

$$\ln R_e/r_w = \frac{1}{\left(\frac{1.1}{3.54}\right) + \left(\frac{1.4}{30.03}\right)}$$

$$K = \frac{(.083)^2 (2.79)}{2(10)} \frac{1}{4.5} \ln\left(\frac{1.89}{.225}\right)$$

$$\ln R_e/r_w = \frac{1}{.311 + .047} = 2.79$$

$$K = \frac{(.007)(2.79)}{(20)} (2.22)(2.13)$$

$$K = 4.62 \times 10^{-3} \frac{ft}{min} \frac{1\ min}{60\ sec} \text{ or } 7.69 \times 10^{-5} \frac{ft}{sec} \frac{12\ in}{1\ ft} \frac{2.54\ cm}{1\ in} = 2.34 \times 10^{-3} \frac{cm}{sec}$$

$= 6.65$ ft/day

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB New London WELL/BORING NO.: 15MW15

PROJECT NO.: 9594 GEOLOGIST: J.R. Ferguson

WELL DIAMETER: 2" SCREEN LENGTH/DEPTH: 10' 14.45' TEST NO.: T1.S1

STATIC WATER LEVEL (Depth/Elevation): 3.00' DATE: 3-20-94

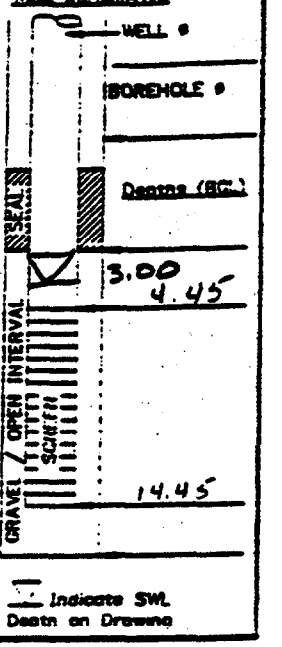
TEST TYPE (Rising/Falling/Constant Head): Rising Head CHECKED:

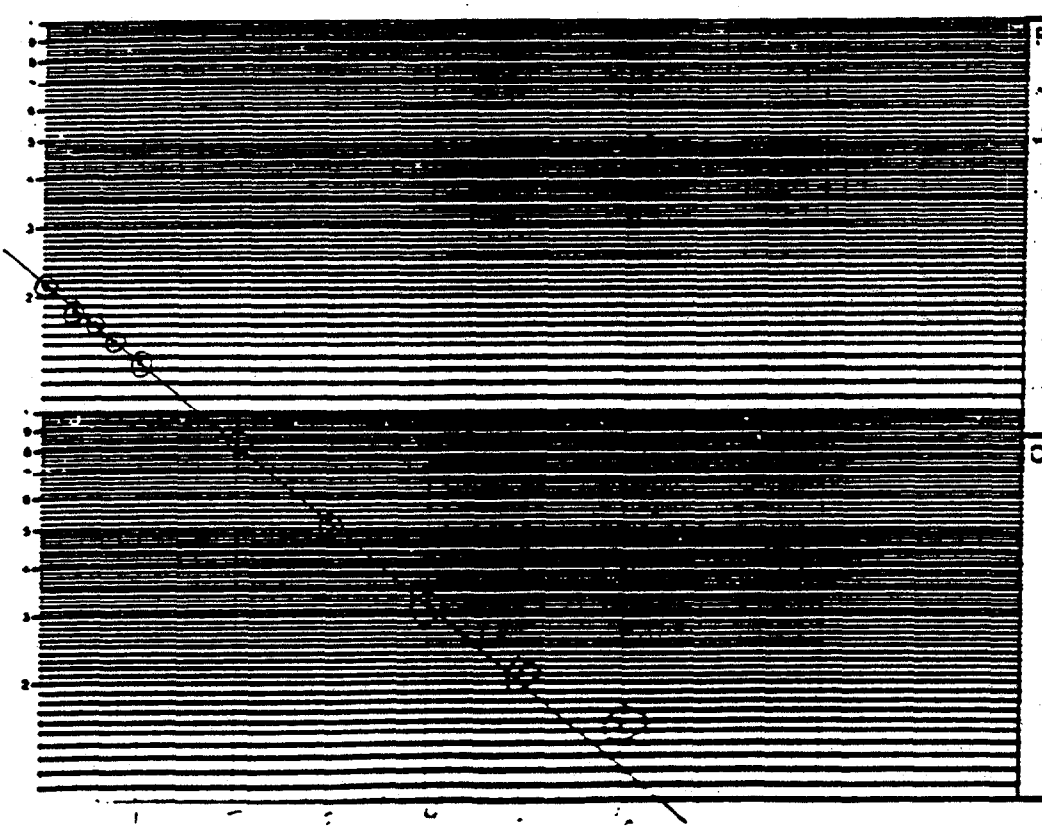
METHOD OF INDUCING WATER LEVEL CHANGE: Removed Solid Slug PAGE 2 OF 8

REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Top of PVC Casing

ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
x .06	2.18				
.10	2.07				
x .300	1.846				
x .500	1.716				
x .700	1.56				
.750	1.52				
x 1.0	1.35				
x 2.0	0.82				
x 3.0	0.52				
x 4.0	0.34				
x 5.0	0.22				
x 6.0	.155				

WELL SCHEMATIC



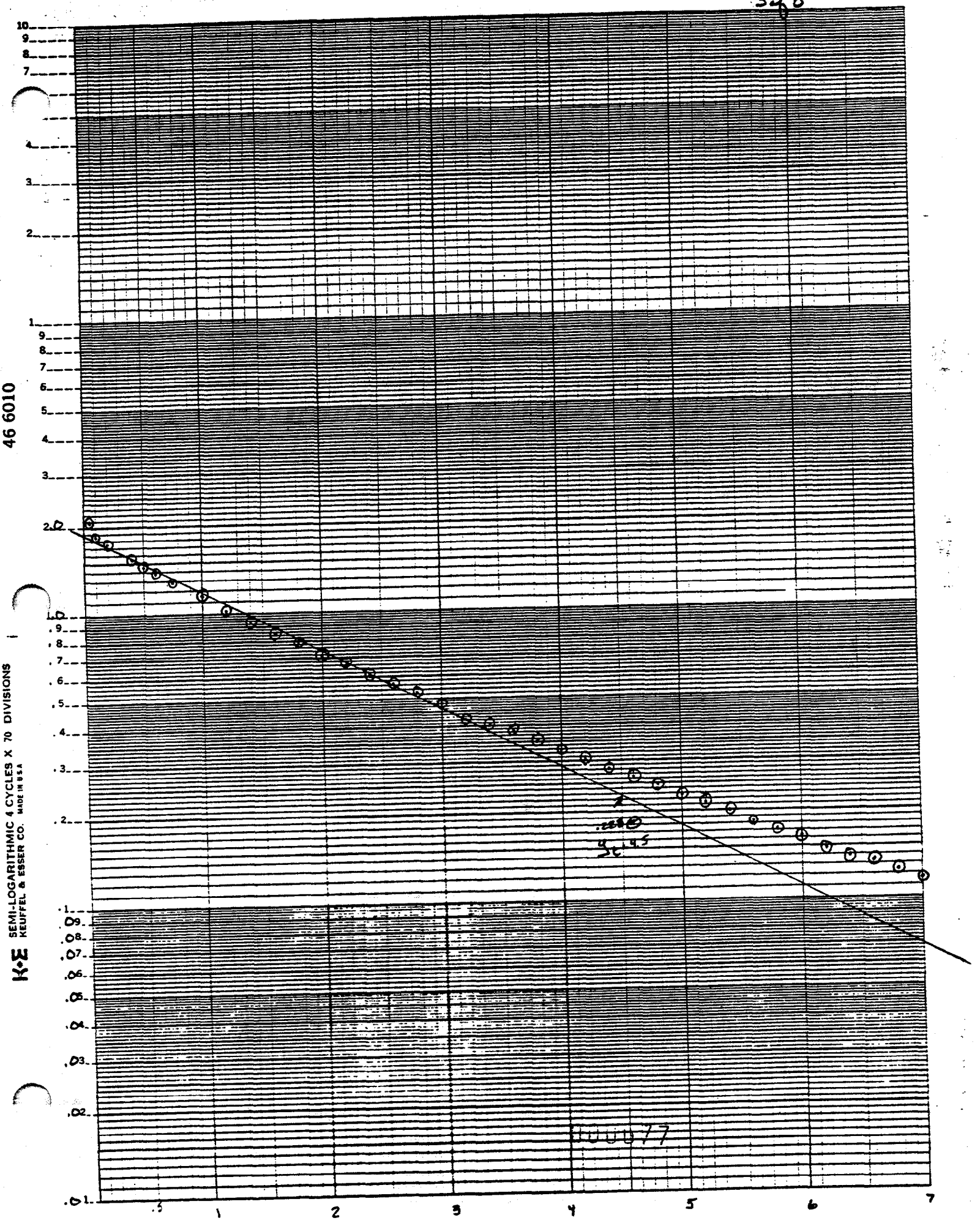


REMARKS:

Static water level at start of test / step 1 = 3.00'

CALCS, SKETCH MAPS, ETC.:

000076


46 6010
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
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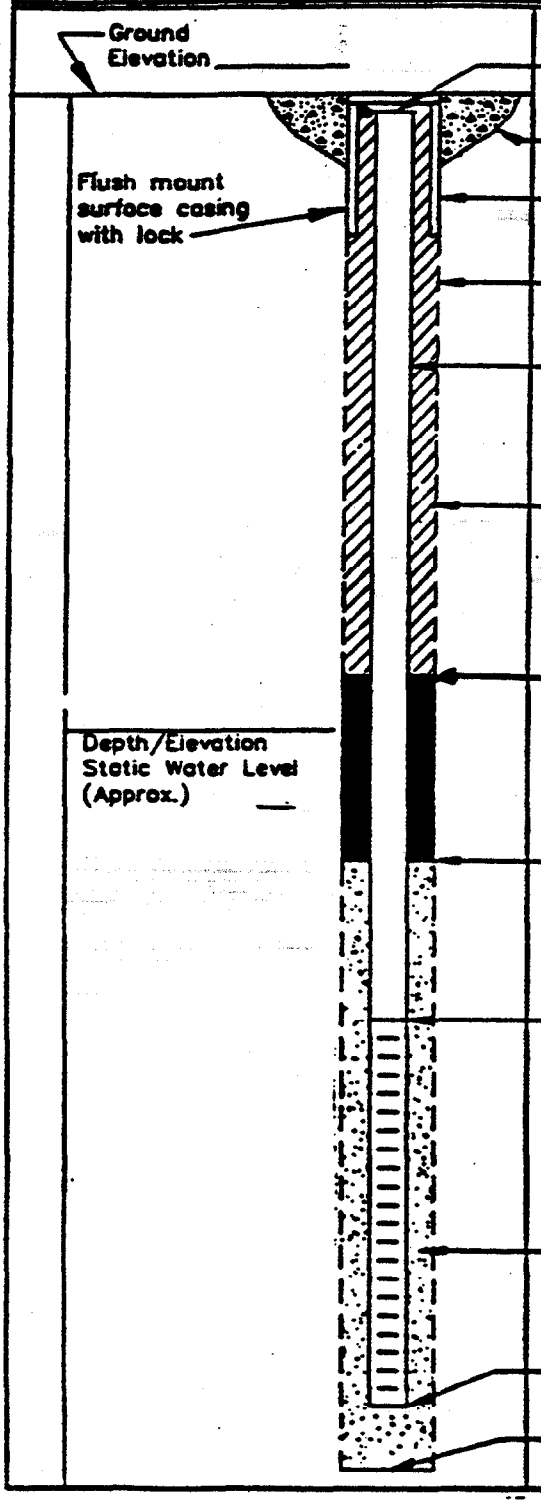
HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW15

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON
LOCATION: Groton, CT
DRILLER: East Coast
PROJECT NO.: 9594
BORING: 15MW15
DRILLING METHOD: HSA
ELEVATION:
DATE: 1-20-94
DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Steel

I.D. OF PROTECTIVE CASING: 4"

BOREHOLE DIAMETER: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION / DEPTH TOP OF SEAL: /1.5'

TYPE OF SEAL: Bentonite Chips

DEPTH/ELEVATION TOP OF SAND: 3.5'/

DEPTH/ELEVATION TOP OF SCREEN: Field meas. (4.45) 5'/

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: 0.010 x 10'

TYPE OF SAND PACK: Silica Sand

DEPTH/ELEVATION BOTTOM OF SCREEN: 15'/

DEPTH/ELEVATION BOTTOM OF SAND: 15'/

DEPTH/ELEVATION BOTTOM OF HOLE: Field meas. (14.45) 15'/

BACKFILL MATERIAL BELOW SAND: N/A

SE1000C
Environmental Logger
03/21 10:54

Unit# 00143 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 1 03/20 14:43:52

Elapsed Time	INPUT 1
0.0000	1.322
0.0033	0.893
0.0066	0.387
0.0100	0.244
0.0133	0.813
0.0166	1.357
0.0200	1.608
0.0233	1.487
0.0266	1.354
0.0300	1.942
0.0333	2.120
0.0366	2.044
0.0400	2.225
0.0433	2.562
0.0466	2.215
0.0500	2.257
0.0533	2.285
0.0566	2.187
0.0600	2.231
0.0633	2.209
0.0666	2.180
0.0700	2.177
0.0733	2.152
0.0766	2.142
0.0800	2.133
0.0833	2.117
0.0866	2.113
0.0900	2.101
0.0933	2.088
0.0966	2.082
0.1000	2.075
0.1033	2.066
0.1066	2.059
0.1100	2.053

0.1133	2.044
0.1166	2.037
0.1200	2.031
0.1233	2.024
0.1266	2.018
0.1300	2.012
0.1333	2.009
0.1366	2.005
0.1400	1.996
0.1433	1.993
0.1466	1.986
0.1500	1.983
0.1533	1.977
0.1566	1.974
0.1600	1.970
0.1633	1.964
0.1666	1.961
0.1700	1.958
0.1733	1.951
0.1766	1.948
0.1800	1.945
0.1833	1.942
0.1866	1.939
0.1900	1.935
0.1933	1.932
0.1966	1.929
0.2000	1.926
0.2033	1.923
0.2066	1.920
0.2100	1.913
0.2133	1.913
0.2166	1.910
0.2200	1.907
0.2233	1.904
0.2266	1.900
0.2300	1.897
0.2333	1.897
0.2366	1.894
0.2400	1.891
0.2433	1.888
0.2466	1.885
0.2500	1.881
0.2533	1.878
0.2566	1.878
0.2600	1.875
0.2633	1.872
0.2666	1.872
0.2700	1.869
0.2733	1.866
0.2766	1.866
0.2800	1.862
0.2833	1.859
0.2866	1.859
0.2900	1.853
0.2933	1.853
0.2966	1.853
0.3000	1.846
0.3033	1.846
0.3066	1.843
0.3100	1.843

0.3133	1.840
0.3166	1.837
0.3200	1.837
0.3233	1.837
0.3266	1.834
0.3300	1.831
0.3333	1.827
0.3500	1.818
0.3666	1.808
0.3833	1.799
0.4000	1.789
0.4166	1.783
0.4333	1.770
0.4500	1.761
0.4666	1.748
0.4833	1.732
0.5000	1.716
0.5166	1.703
0.5333	1.687
0.5500	1.675
0.5666	1.662
0.5833	1.649
0.6000	1.637
0.6166	1.621
0.6333	1.611
0.6500	1.595
0.6666	1.583
0.6833	1.570
0.7000	1.557
0.7166	1.548
0.7333	1.535
0.7500	1.522
0.7666	1.513
0.7833	1.500
0.8000	1.487
0.8166	1.475
0.8333	1.465
0.8500	1.452
0.8666	1.443
0.8833	1.430
0.9000	1.417
0.9166	1.408
0.9333	1.395
0.9500	1.382
0.9666	1.373
0.9833	1.363
1.0000	1.351
1.2000	1.198
1.4000	1.090
1.6000	0.995
1.8000	0.906
2.0000	0.823
2.2000	0.750
2.4000	0.686
2.6000	0.629
2.8000	0.575
3.0000	0.524
3.2000	0.483
3.4000	0.441
3.6000	0.406

3.8000	0.371
4.0000	0.343
4.2000	0.311
4.4000	0.289
4.6000	0.267
4.8000	0.244
5.0000	0.222
5.2000	0.209
5.4000	0.193
5.6000	0.178
5.8000	0.165
6.0000	0.155
6.2000	0.143
6.4000	0.133
6.6000	0.120
6.8000	0.111
7.0000	0.104
7.2000	0.101
7.4000	0.089
7.6000	0.089
7.8000	0.082
8.0000	0.079
8.2000	0.073
8.4000	0.066
8.6000	0.063
8.8000	0.060
9.0000	0.057
9.2000	0.054
9.4000	0.050
9.6000	0.047
9.8000	0.044
10.0000	0.044
12.0000	0.025
14.0000	0.015
16.0000	0.012
18.0000	0.009
20.0000	0.006
22.0000	0.009
24.0000	0.009
26.0000	0.006
28.0000	0.006

END

CALCULATION WORKSHEET

Order No. 19116 (01-91)

CLIENT: NSB New London	JOB NUMBER: 2049 9594 0300
SUBJECT: Bouwer and Rice Slug Test Analysis 15MW35 Falling Head Test	
BASED ON:	DRAWING NUMBER: -
BY: JRF	CHECKED BY:
APPROVED BY: WJB	DATE: 4-4-94 4-8-94

Static Water Level 2.87

L_w: 13.60 - 2.87 = 10.73

L_e: 10'

r_c: 1" or .083'

r_w: 4" or .333

H = 10.73

y_0 = 1.72

y_t = .48

Δt = 7

For $H = L_w$ L_e/r_w = 14.92 C = 1.4

$$\ln R_e/r_w = \frac{1}{\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{(L_e/r_w)}}$$

$$\ln R_e/r_w = \frac{1}{\frac{1.1}{\ln(10.73/.333)} + \frac{1.4}{(10/.333)}}$$

$$\ln R_e/r_w = \frac{1}{\left(\frac{1.1}{3.47}\right) + \left(\frac{1.4}{30.03}\right)} = \frac{1}{(.317 + .046)}$$

$$K = \frac{(r_c)^2}{2(L_e)} \ln R_e/r_w \; \frac{1}{t} \ln \frac{y_0}{y_t}$$

$$K = \frac{(.083)^2}{20}(2.75)\,\frac{1}{7}\ln\left(\frac{1.72}{.48}\right)$$

$\ln R_e/r_w = 2.75$

$$K = \frac{(.007)(2.75)}{(20)}(.143)(1.28)$$

$$K = (9.625\times10^{-4})(.143)(1.28) = 8.76\times10^{-4}\,\frac{ft}{min}\;\frac{1\,min}{60\,sec} = 2.99\times10^{-6}\,\frac{ft}{sec}\;\frac{12\,in}{1\,ft}\;\frac{2.54}{1\,in} = 8.95\times10^{-6}\,\frac{cm}{sec}$$

$= 0.253$ ft/day

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB New London — WELL/BORING NO.: 15MW35

PROJECT NO.: 9594 — GEOLOGIST: J. R. Ferguson

WELL DIAMETER: 2" Ø — SCREEN LENGTH/DEPTH: 10' 13.60 — TEST NO.: TO 50

STATIC WATER LEVEL (Depth/Elevation): 2.87 — DATE: 3-20-94

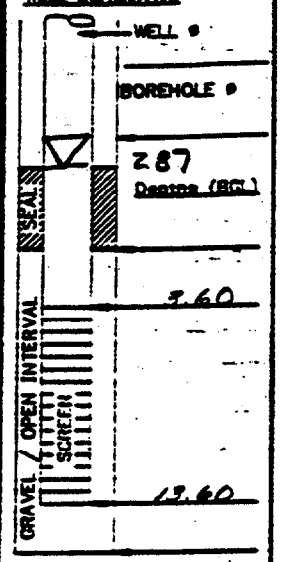
TEST TYPE (Rising/Falling/Constant Head): Falling Head — CHECKED:

METHOD OF INDUCING WATER LEVEL CHANGE: Solid Slug Insertion — PAGE ___ OF ___

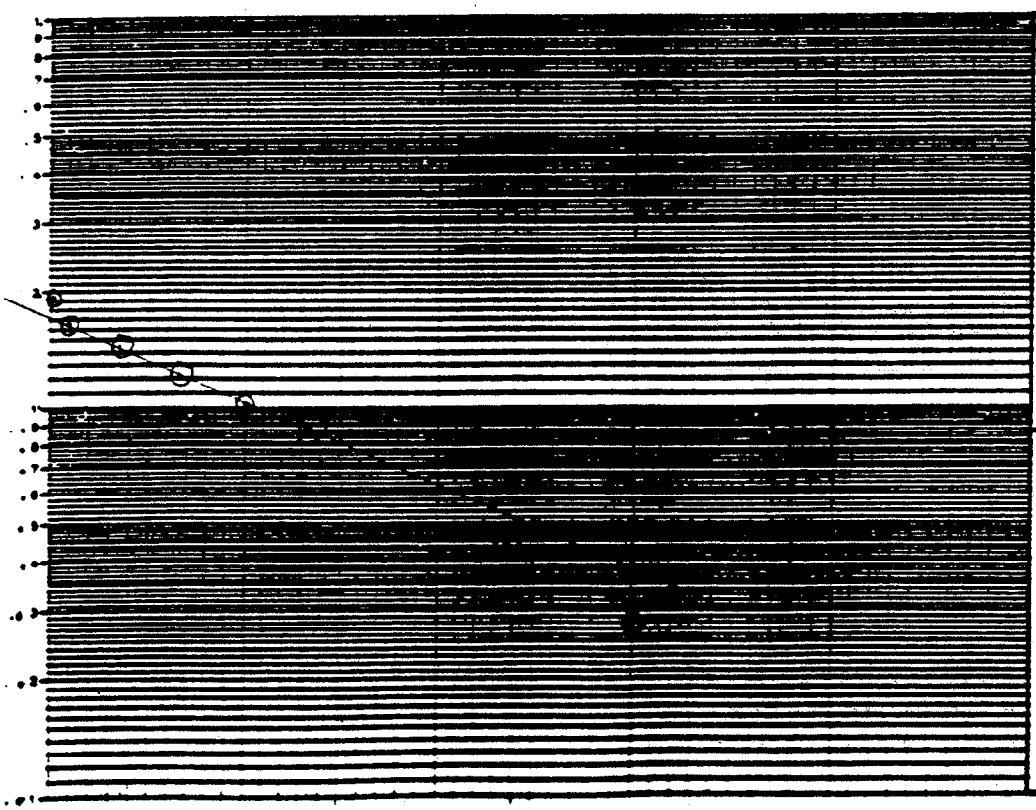
REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Top of PVC Casing

ELAPSED TIME (min or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
.0400	1.92		1.00	1.44	
.0800	1.77		2.00	1.21	
.1200	1.74		3.00	1.03	
.1600	1.72		4.00	0.87	
.2000	1.70		5.00	0.72	
.2500	1.68		7.00	0.48	
.3000	1.65		9.00	0.28	
.3500	1.63		12.00	0.05	
.4500	1.59				
.5500	1.56				
.6500	1.53				
.7500	1.51				

WELL SCHEMATIC



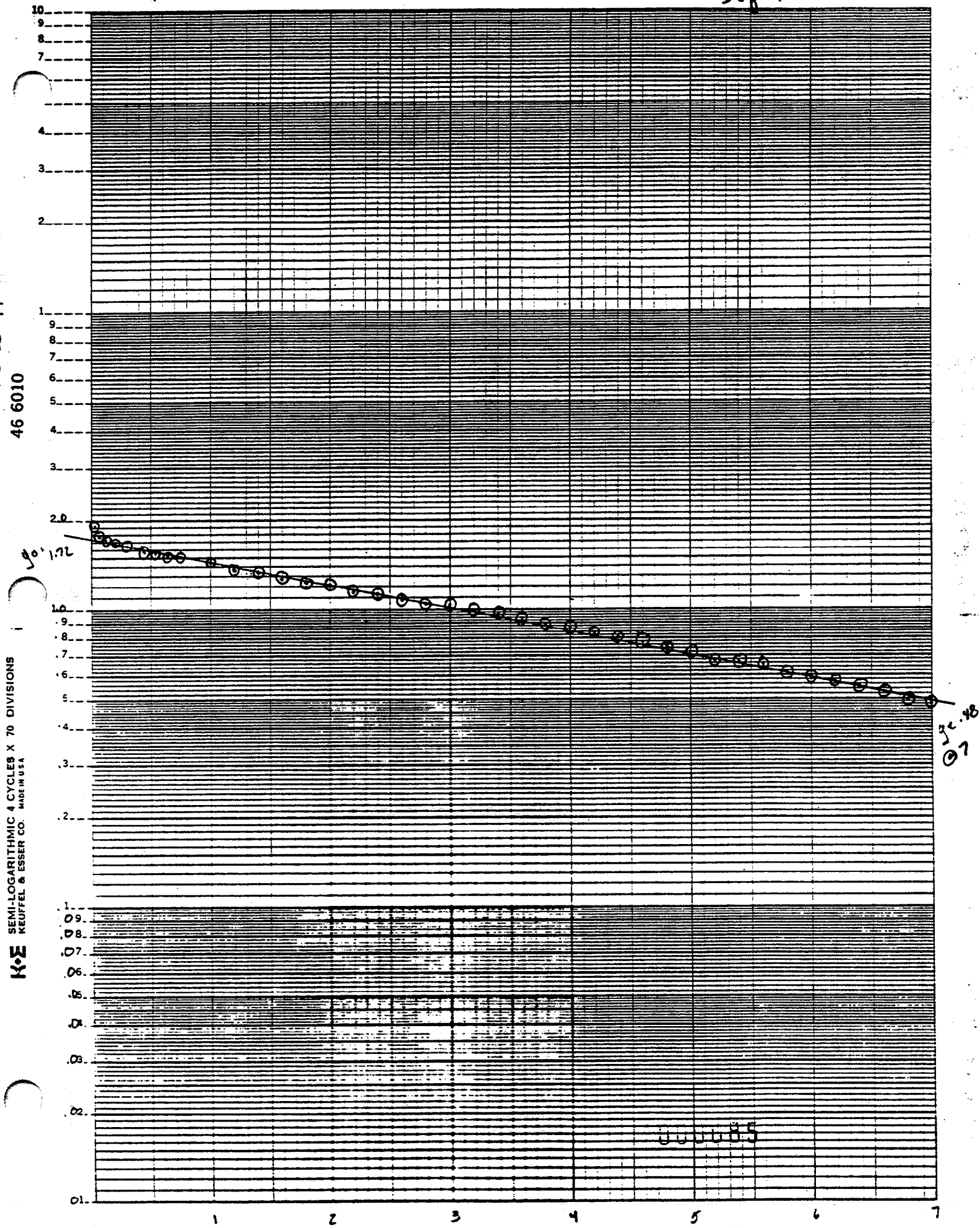
▽ Indicate SWL Depth on Drawing



REMARKS:

CALCS, SKETCH MAPS, ETC.:

000084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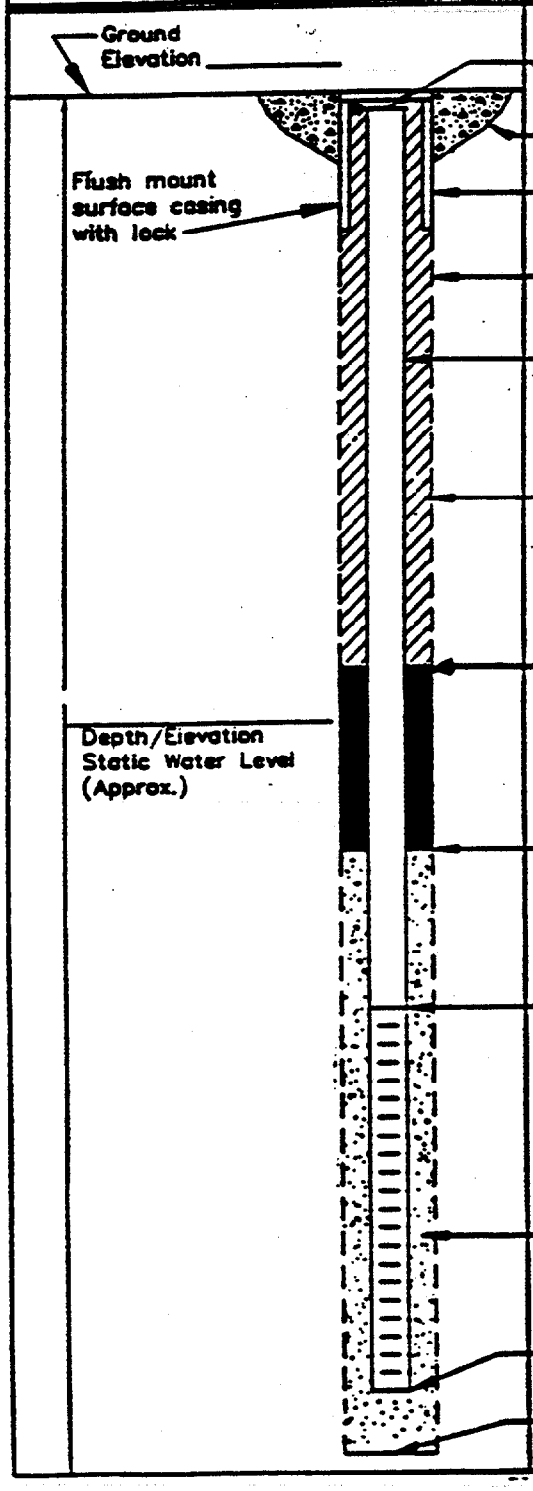
.04
.03
.02
.01
1
2
3
4
5
6
7
go' 1.72
ge .48
01
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 6010
5-20-94

HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW3S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON
LOCATION: Groton CT
DRILLER: East Coast
PROJECT NO.: 9594
BORING: 15MW3S
DRILLING METHOD: HSA
ELEVATION:
DATE: 1-21-94
DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans



ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
TYPE OF PROTECTIVE CASING: Steel
I.D. OF PROTECTIVE CASING: 4"
BOREHOLE DIAMETER: 8"
TYPE OF RISER PIPE: PVC
RISER PIPE I.D.: 2"
TYPE OF BACKFILL/SEAL: Grout
ELEVATION / DEPTH TOP OF SEAL: 12'
TYPE OF SEAL: Bentonite Chips
DEPTH/ELEVATION TOP OF SAND: 3'
DEPTH/ELEVATION TOP OF SCREEN: 5'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
TYPE OF SAND PACK: Silica Sand
DEPTH/ELEVATION BOTTOM OF SCREEN: 15'
DEPTH/ELEVATION BOTTOM OF SAND: 15'
DEPTH/ELEVATION BOTTOM OF HOLE: 15'
BACKFILL MATERIAL BELOW SAND: N/A

SE1000C
Environmental Logger
03/21 10:43

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 0 03/20 09:50:01

Elapsed Time	INPUT 1
0.0000	-2.457
0.0033	-2.778
0.0066	-2.511
0.0100	-2.177
0.0133	-1.675
0.0166	-0.006
0.0200	-1.141
0.0233	-2.228
0.0266	-2.368
0.0300	-1.872
0.0333	-1.541
0.0366	-1.726
0.0400	-1.923
0.0433	-1.872
0.0466	-1.761
0.0500	-1.757
0.0533	-1.812
0.0566	-1.815
0.0600	-1.786
0.0633	-1.780
0.0666	-1.786
0.0700	-1.786
0.0733	-1.780
0.0766	-1.773
0.0800	-1.773
0.0833	-1.773
0.0866	-1.770
0.0900	-1.767
0.0933	-1.764
0.0966	-1.761
0.1000	-1.761
0.1033	-1.757
0.1066	-1.754
0.1100	-1.754
0.1133	-1.754
0.1166	-1.748
0.1200	-1.748

0.1233	-1.745
0.1266	-1.745
0.1300	-1.742
0.1333	-1.738
0.1366	-1.735
0.1400	-1.732
0.1433	-1.732
0.1466	-1.732
0.1500	-1.729
0.1533	-1.726
0.1566	-1.726
0.1600	-1.722
0.1633	-1.722
0.1666	-1.719
0.1700	-1.716
0.1733	-1.716
0.1766	-1.713
0.1800	-1.713
0.1833	-1.710
0.1866	-1.707
0.1900	-1.707
0.1933	-1.703
0.1966	-1.703
0.2000	-1.700
0.2033	-1.700
0.2066	-1.697
0.2100	-1.697
0.2133	-1.694
0.2166	-1.691
0.2200	-1.694
0.2233	-1.691
0.2266	-1.688
0.2300	-1.688
0.2333	-1.684
0.2366	-1.684
0.2400	-1.681
0.2433	-1.678
0.2466	-1.678
0.2500	-1.678
0.2533	-1.675
0.2566	-1.675
0.2600	-1.672
0.2633	-1.672
0.2666	-1.672
0.2700	-1.668
0.2733	-1.668
0.2766	-1.665
0.2800	-1.665
0.2833	-1.662
0.2866	-1.662
0.2900	-1.662
0.2933	-1.659
0.2966	-1.659
0.3000	-1.656
0.3033	-1.656
0.3066	-1.653
0.3100	-1.653
0.3133	-1.649
0.3166	-1.653
0.3200	-1.649

0.3233	-1.646
0.3266	-1.646
0.3300	-1.646
0.3333	-1.643
0.3500	-1.637
0.3666	-1.630
0.3833	-1.624
0.4000	-1.618
0.4166	-1.608
0.4333	-1.602
0.4500	-1.595
0.4666	-1.592
0.4833	-1.589
0.5000	-1.583
0.5166	-1.573
0.5333	-1.570
0.5500	-1.564
0.5666	-1.560
0.5833	-1.554
0.6000	-1.548
0.6166	-1.545
0.6333	-1.538
0.6500	-1.532
0.6666	-1.529
0.6833	-1.525
0.7000	-1.519
0.7166	-1.516
0.7333	-1.510
0.7500	-1.506
0.7666	-1.500
0.7833	-1.497
0.8000	-1.490
0.8166	-1.487
0.8333	-1.484
0.8500	-1.481
0.8666	-1.475
0.8833	-1.471
0.9000	-1.465
0.9166	-1.462
0.9333	-1.455
0.9500	-1.449
0.9666	-1.446
0.9833	-1.443
1.0000	-1.440
1.2000	-1.376
1.4000	-1.332
1.6000	-1.287
1.8000	-1.246
2.0000	-1.208
2.2000	-1.169
2.4000	-1.131
2.6000	-1.096
2.8000	-1.061
3.0000	-1.026
3.2000	-0.995
3.4000	-0.960
3.6000	-0.928
3.8000	-0.896
4.0000	-0.867
4.2000	-0.832

4.4000	-0.807
4.6000	-0.778
4.8000	-0.750
5.0000	-0.724
5.2000	-0.699
5.4000	-0.670
5.6000	-0.645
5.8000	-0.616
6.0000	-0.594
6.2000	-0.569
6.4000	-0.546
6.6000	-0.521
6.8000	-0.499
7.0000	-0.480
7.2000	-0.457
7.4000	-0.435
7.6000	-0.413
7.8000	-0.394
8.0000	-0.375
8.2000	-0.356
8.4000	-0.337
8.6000	-0.317
8.8000	-0.298
9.0000	-0.282
9.2000	-0.267
9.4000	-0.248
9.6000	-0.228
9.8000	-0.216
10.0000	-0.200
12.0000	-0.057
14.0000	0.063
16.0000	0.162
18.0000	0.244
20.0000	0.314
22.0000	0.371
24.0000	0.422
26.0000	0.460
28.0000	0.499
30.0000	0.527
32.0000	0.553
34.0000	0.572
36.0000	0.594
38.0000	0.607
40.0000	0.626
42.0000	0.638
44.0000	0.645
46.0000	0.658
48.0000	0.664
50.0000	0.673
52.0000	0.680
54.0000	0.680
56.0000	0.686
58.0000	0.689
60.0000	0.693
62.0000	0.696
64.0000	0.699
66.0000	0.702
68.0000	0.705
70.0000	0.705
72.0000	0.708

74.0000	0.712
76.0000	0.712
78.0000	0.712
80.0000	0.712
82.0000	0.715
84.0000	0.712
86.0000	0.715

END

CLIENT	JOB NUMBER
NSB New London	2049 9594 0300
SUBJECT: Bouwer and Rice Slug Test Analysis - 15MW35 Rising Head Test	
BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
JRF		WJB	4-4-94 4-8-94

Static Water Level = 2.75'

L_w = 13.60' − 2.85 = 10.85

L_e = 10'

r_c = 1" or .083

r_w = 4" or .333

H = 10.85

y_o = 3.1

y_t = .3

Δt = 45

For H=L: L_e/r_w = 14.92 → C_e 1.4

$$\ln R_e/r_w = \frac{1}{\frac{\ln 1.1}{\ln(L_w/r_w)} + \frac{C}{(L_e/r_w)}}$$

$$\ln R_e/r_w = \frac{1}{\left(\frac{1.1}{\ln(10.85/.333)}\right) + \left(\frac{1.4}{10/.833}\right)} \rightarrow \frac{1}{\left(\frac{1.1}{3.42}\right) + \left(\frac{1.4}{30.33}\right)}$$

$$\ln R_e/r_w = \frac{1}{(.316 + .096)} = 2.76$$

$$K = \frac{(r_c)^2 \ln R_e/r_w}{2(L_e)} \frac{1}{t} \ln \frac{y_o}{y_t}$$

$$K = \frac{(.083)^2(2.76)}{2(10)} \frac{1}{45} \ln\left(\frac{3.1}{.3}\right)$$

$$K = \frac{(.007)(2.76)(.022)(2.33)}{(20)} = (.00096)(.022)(2.33) = 4.92 \times 10^{-5} \frac{ft}{min}$$

$$4.92 \times 10^{-5} \frac{ft}{min} \; \frac{1 min}{60 sec} = 8.20 \times 10^{-7} \frac{ft}{sec} \; \frac{12 in}{1 ft} \; \frac{2.54}{1 in} \rightarrow 2.50 \times 10^{-5} \frac{cm}{sec}$$

= 0.071 ft/day

HYDRAULIC CONDUCTIVITY TESTING DATA SHEET — HALLIBURTON NUS CORPORATION

PROJECT NAME: NSB New London WELL/BORING NO.: 15MW35

PROJECT NO.: 9594 GEOLOGIST: J.R. Ferguson

WELL DIAMETER: 2" ø SCREEN LENGTH/DEPTH: 10' 13.60 TEST NO.: TO 51

STATIC WATER LEVEL (Depth/Elevation): 2.75' @ STEP START DATE: 9-20-94

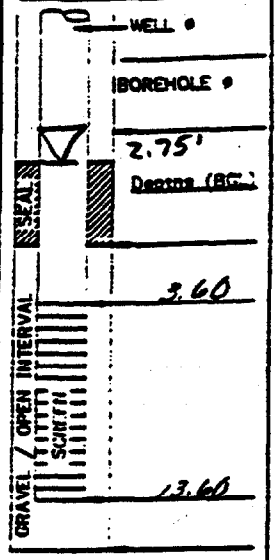
TEST TYPE (Rising/Falling/Constant Head): Rising Head CHECKED:

METHOD OF INDUCING WATER LEVEL CHANGE: Solid Slug Removal PAGE 2 OF 8

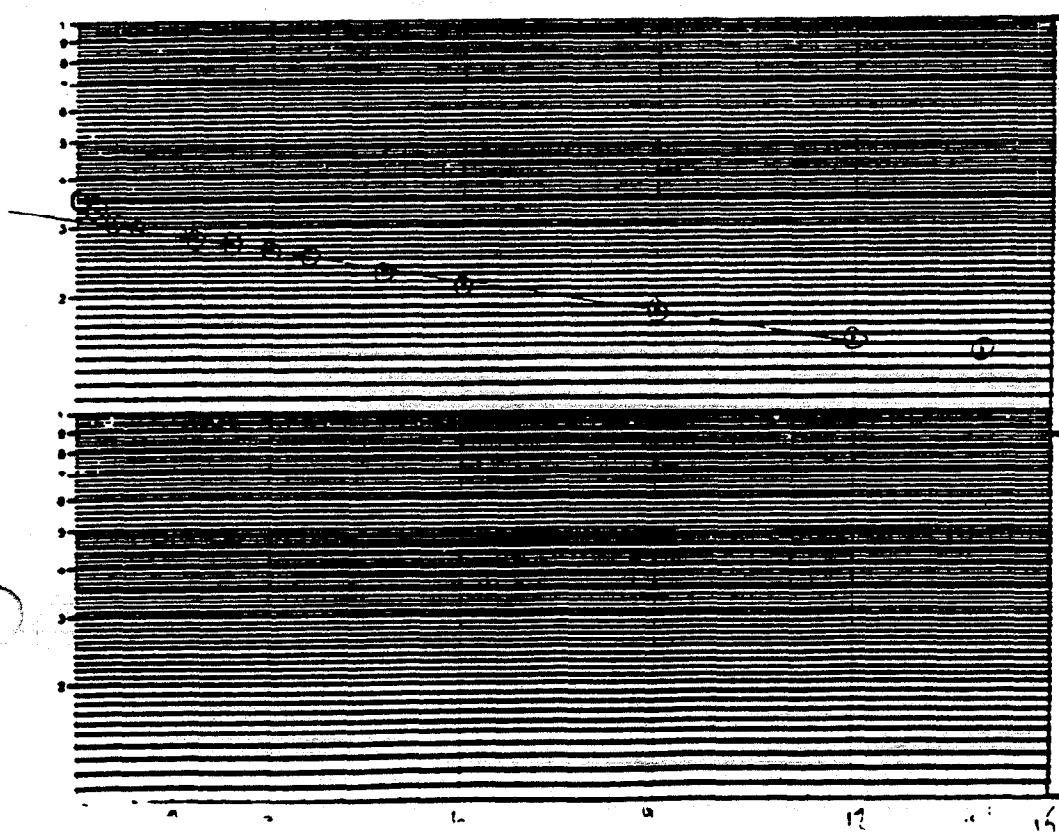
REFERENCE PT. FOR WL MEAS. (Top of Casing, Transducer, etc.): Top of PVC Casing

	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)	ELAPSED TIME (min. or sec.)	MEASURED WATER LEVEL (feet)	DRAWDOWN OR HEAD (ΔH) (feet)
x	.1300	3.54		12.00	1.57	
x	.3000	3.38		14.00	1.44	
x	.6000	3.23				
x	.9000	3.11				
x	1.200	3.01				
x	1.800	2.85				
x	2.400	2.73				
x	3.000	2.62				
x	3.600	2.51				
x	4.800	2.32				
x	6.00	2.16				
x	9.00	1.82				

WELL SCHEMATIC



▽ Indicate SWL Depth on Drawing

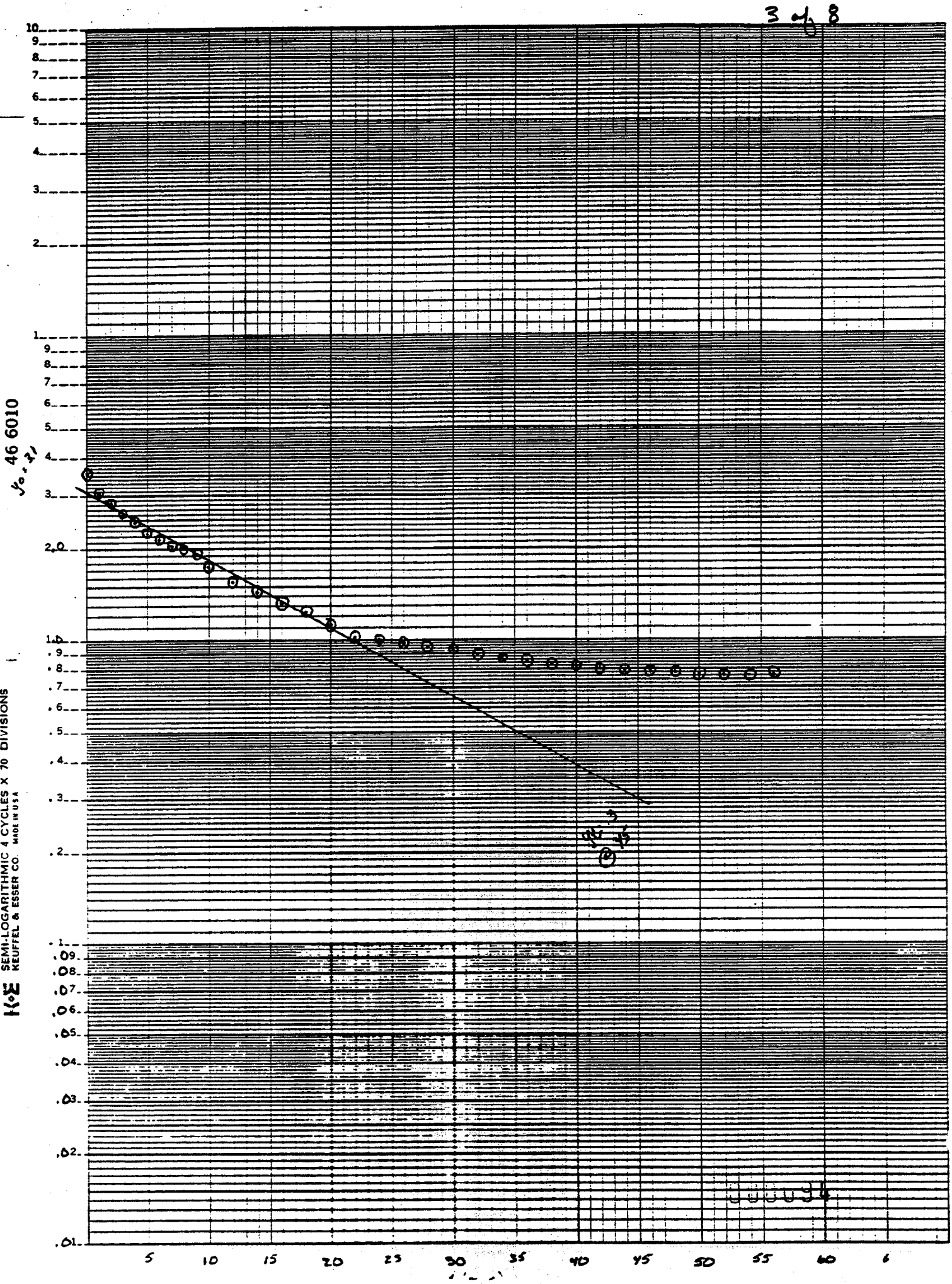


REMARKS:

Static Water Level at Start of Test O Step 1 = 2.75'

CALCS, SKETCH MAPS, ETC.:

000093


3 of 8
3-20-94
46 6010
K+E SEMI-LOGARITHMIC 4 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
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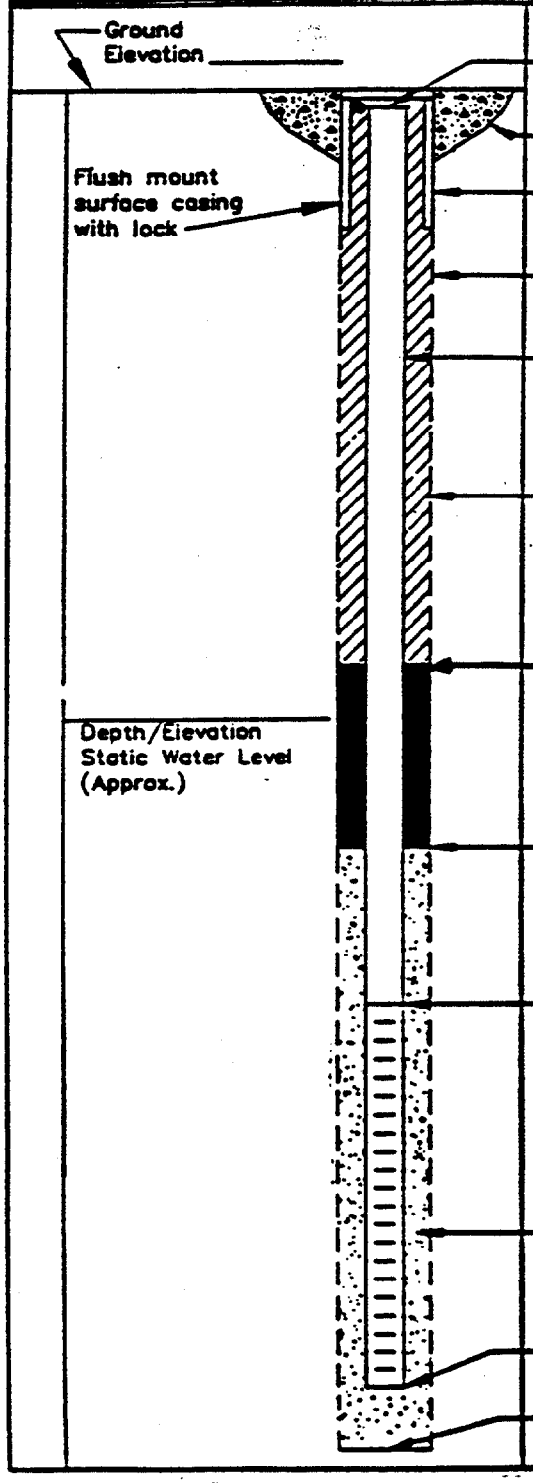
HALLIBURTON NUS
Environmental Corporation

WELL NO.: 15MW3S

OVERBURDEN MONITORING WELL SHEET

PROJECT: NSB-NLON
LOCATION: Groton CT
DRILLER: East Coast
PROJECT NO.: 9594
BORING: 15MW3S
DRILLING METHOD: HSA
ELEVATION:
DATE: 1-21-94
DEVELOPMENT METHOD:
FIELD GEOLOGIST: Tim Evans



ELEVATION TOP OF RISER:
TYPE OF SURFACE SEAL: Concrete
TYPE OF PROTECTIVE CASING: Steel
I.D. OF PROTECTIVE CASING: 4"
BOREHOLE DIAMETER: 8"
TYPE OF RISER PIPE: PVC
RISER PIPE I.D.: 2"
TYPE OF BACKFILL/SEAL: Grout
ELEVATION / DEPTH TOP OF SEAL: 12'
TYPE OF SEAL: Bentonite Chips
DEPTH/ELEVATION TOP OF SAND: 3'
Field measurement
DEPTH/ELEVATION TOP OF SCREEN: 3.60 5'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 0.010 x 10'
TYPE OF SAND PACK: Silica Sand
Field measurement
DEPTH/ELEVATION BOTTOM OF SCREEN: 13.60 15'
DEPTH/ELEVATION BOTTOM OF SAND: 15'
DEPTH/ELEVATION BOTTOM OF HOLE: 15'
BACKFILL MATERIAL BELOW SAND: N/A

3.8000	2.476
4.0000	2.444
4.2000	2.412
4.4000	2.384
4.6000	2.352
4.8000	2.320
5.0000	2.295
5.2000	2.266
5.4000	2.237
5.6000	2.212
5.8000	2.187
6.0000	2.158
6.2000	2.133
6.4000	2.110
6.6000	2.085
6.8000	2.059
7.0000	2.037
7.2000	2.015
7.4000	1.989
7.6000	1.967
7.8000	1.948
8.0000	1.926
8.2000	1.900
8.4000	1.881
8.6000	1.862
8.8000	1.843
9.0000	1.824
9.2000	1.805
9.4000	1.786
9.6000	1.767
9.8000	1.751
10.0000	1.732
12.0000	1.573
14.0000	1.440
16.0000	1.331
18.0000	1.236
20.0000	1.160
22.0000	1.096
24.0000	1.042
26.0000	0.995
28.0000	0.956
30.0000	0.925
32.0000	0.896
34.0000	0.874
36.0000	0.855
38.0000	0.836
40.0000	0.823
42.0000	0.807
44.0000	0.797
46.0000	0.791
48.0000	0.785
50.0000	0.778
52.0000	0.769
54.0000	0.766
56.0000	0.762

END

SE1000C
Environmental Logger
03/21 10:47

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00000
Reference	0.000
Linearity	0.000
Scale factor	10.070
Offset	0.000
Delay mSEC	50.000

Step 1 03/20 11:17:48

Elapsed Time	INPUT 1
0.0000	0.712
0.0033	0.712
0.0066	0.712
0.0100	0.712
0.0133	0.712
0.0166	0.712
0.0200	0.712
0.0233	0.712
0.0266	0.712
0.0300	0.712
0.0333	0.712
0.0366	0.708
0.0400	0.715
0.0433	0.712
0.0466	0.708
0.0500	0.715
0.0533	0.712
0.0566	1.001
0.0600	2.492
0.0633	1.872
0.0666	1.363
0.0700	0.953
0.0733	1.119
0.0766	3.169
0.0800	1.732
0.0833	3.709
0.0866	2.365
0.0900	3.894
0.0933	3.674
0.0966	3.643
0.1000	3.608
0.1033	3.608
0.1066	3.598
0.1100	3.611

0.1133	3.569
0.1166	3.665
0.1200	3.557
0.1233	3.531
0.1266	3.544
0.1300	3.544
0.1333	3.544
0.1366	3.538
0.1400	3.531
0.1433	3.528
0.1466	3.525
0.1500	3.522
0.1533	3.519
0.1566	3.512
0.1600	3.506
0.1633	3.503
0.1666	3.496
0.1700	3.493
0.1733	3.490
0.1766	3.487
0.1800	3.487
0.1833	3.480
0.1866	3.474
0.1900	3.471
0.1933	3.471
0.1966	3.468
0.2000	3.461
0.2033	3.458
0.2066	3.455
0.2100	3.452
0.2133	3.449
0.2166	3.449
0.2200	3.445
0.2233	3.442
0.2266	3.439
0.2300	3.436
0.2333	3.436
0.2366	3.433
0.2400	3.429
0.2433	3.429
0.2466	3.426
0.2500	3.423
0.2533	3.420
0.2566	3.417
0.2600	3.414
0.2633	3.410
0.2666	3.410
0.2700	3.407
0.2733	3.404
0.2766	3.401
0.2800	3.401
0.2833	3.398
0.2866	3.395
0.2900	3.395
0.2933	3.391
0.2966	3.388
0.3000	3.385
0.3033	3.385
0.3066	3.382
0.3100	3.382

0.3133	3.379
0.3166	3.375
0.3200	3.372
0.3233	3.369
0.3266	3.369
0.3300	3.366
0.3333	3.366
0.3500	3.356
0.3666	3.347
0.3833	3.334
0.4000	3.325
0.4166	3.315
0.4333	3.309
0.4500	3.302
0.4666	3.290
0.4833	3.283
0.5000	3.274
0.5166	3.264
0.5333	3.261
0.5500	3.251
0.5666	3.245
0.5833	3.236
0.6000	3.229
0.6166	3.223
0.6333	3.213
0.6500	3.207
0.6666	3.201
0.6833	3.194
0.7000	3.188
0.7166	3.182
0.7333	3.175
0.7500	3.169
0.7666	3.162
0.7833	3.156
0.8000	3.150
0.8166	3.143
0.8333	3.137
0.8500	3.134
0.8666	3.128
0.8833	3.121
0.9000	3.115
0.9166	3.112
0.9333	3.105
0.9500	3.099
0.9666	3.093
0.9833	3.089
1.0000	3.083
1.2000	3.007
1.4000	2.953
1.6000	2.902
1.8000	2.854
2.0000	2.810
2.2000	2.768
2.4000	2.727
2.6000	2.689
2.8000	2.651
3.0000	2.616
3.2000	2.578
3.4000	2.543
3.6000	2.511

APPENDIX C.2

PUMPING TEST CALCULATIONS

CLIENT	JOB NUMBER
NSB-NLON	
SUBJECT: 2LPWIS PUMPING TEST	
BASED ON	DRAWING NUMBER
BY: L. J. GROSS / CHECKED BY: DAY-1-9-95	APPROVED BY / DATE: 1/9/95

2LPWIS – NEUMAN METHOD (FROM KRUSEMAN & RIDDER)

FROM CURVE-MATCH OF LATE DATA

$\Gamma = 2.0$
$1/u_B = 10^0$
$W(u_B, \Gamma) = 1$
$t = 640$ min
$s = 0.44$

$$T = \frac{Q}{4\pi s} W(u_B, \Gamma)$$

$$= \frac{(2.0\ \text{gpm})\left(\frac{24 \cdot 60\ \text{min}}{\text{day}}\right)(1.0)}{4\pi\,(0.44\ \text{ft})}$$

$$= 521\ \frac{\text{gal}}{\text{day-ft}} = 70.0\ \text{ft}^2/\text{day}$$

$$S_y = \frac{4Tt_{u_B}}{r^2} = \frac{4\,(70.0\ \text{ft}^2/\text{day})\left(640\ \text{min} \cdot \frac{1\ \text{day}}{24 \cdot 60\ \text{min}}\right)}{(10.5\ \text{ft})^2}$$

$$= 1.12$$

THE SPECIFIC YIELD ESTIMATION IS TOO HIGH BECAUSE OF THE CLOSE PROXIMITY OF THE OBSERVATION WELL, THE HIGH TRANSMISSIVITY, AND STRONG VERTICAL FLOW COMPONENTS

CURVE MATCH OF EARLY DATA

$\Gamma = 2.0$
$1/u_A = 1.0$
$W(u_A, \Gamma) = 1$
$t = 25.5$ min
$s = 0.395$ ft

CLIENT	JOB NUMBER
NSB-NLON	
SUBJECT: 2LPWIS PUMPING TEST	
BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
L.J. GROSS	DAY 1-9-95		1/9/95

2LOWIS – NEUMAN (CONT)

$$T = \frac{Q}{4\pi s} W(u_A, r)$$

$$= \frac{(2.0\ gpm)(\frac{24.60\ min}{day})(1.0)}{4\pi(0.395\ ft)}$$

$$= 581\ \frac{gal}{day\text{-}ft} = 77.6\ ft^2/day$$

$$S_A = \frac{4Tt u_A}{r^2} = \frac{4(77.6\ ft^2/day)(25.5\ min\ \frac{1\ day}{24.60\ min})}{(10.5\ ft)^2}$$

$$= 0.05$$

$$\frac{S_y}{S_A} = \frac{1.12}{0.05} = 22.4$$ ∴ CONDITION THAT $\frac{S_y}{S_A} > 10$ IS SATISFIED

$$K_H = \frac{T}{b} = \frac{(70.0 + 77.6)/2\ ft^2/day}{21\ ft}$$

$$= 3.5\ ft/day$$

$$K_V = \frac{r b^2 K_H}{r^2} = \frac{(2.0)(21\ ft)^2(3.5\ ft/day)}{(10.5\ ft)^2}$$

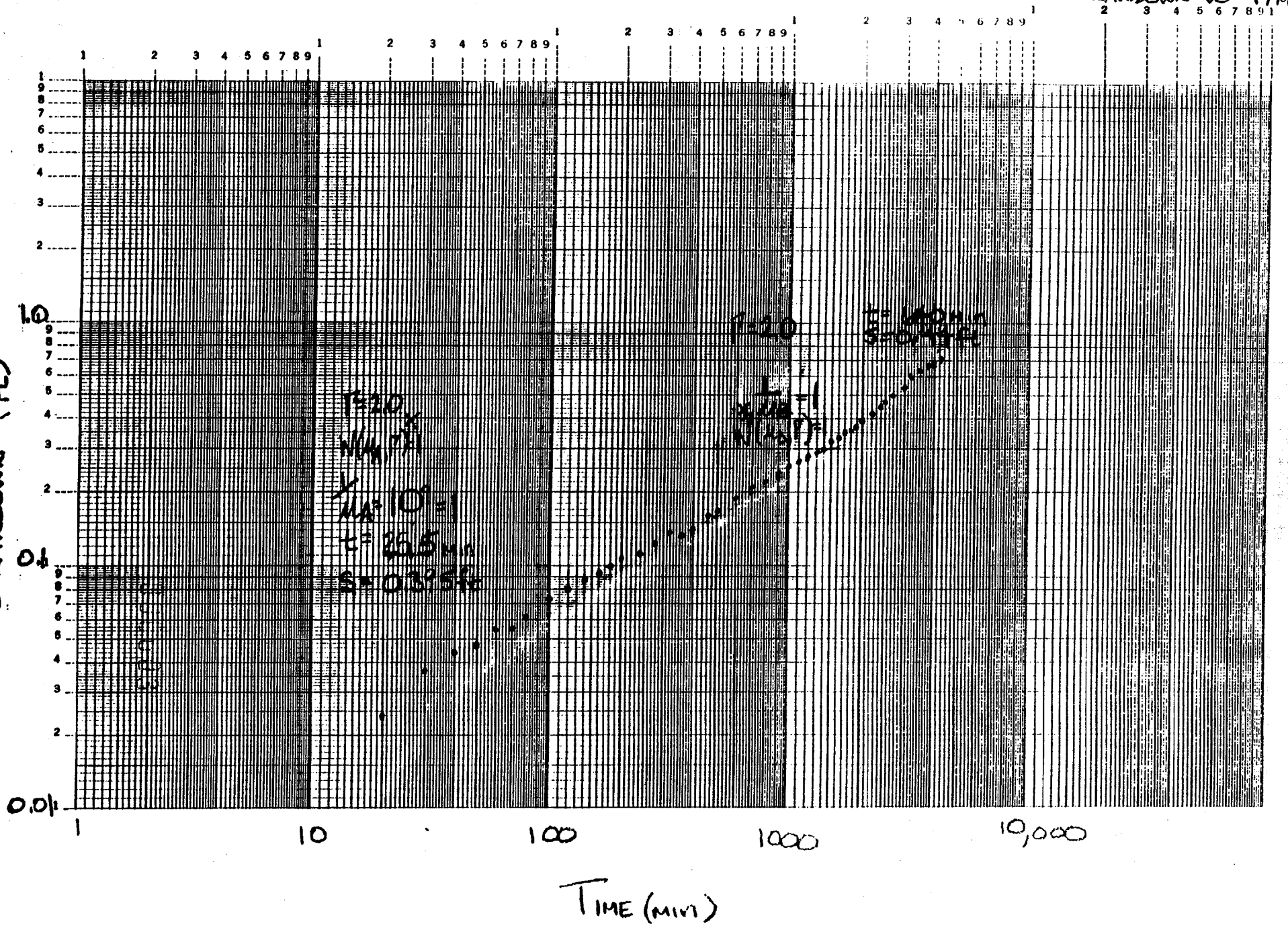
$$= 28.1\ ft/day$$

K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 7522

2LOWIS

2LOWIS - DRAWDOWN VS TIME



2LOWIS PUMPING TEST

3 OF 6

CLIENT	JOB NUMBER
NSB-NLON	
SUBJECT: 2LPWIS PUMPING TEST	
BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
L. J. GROSS	DAY 1-9-95		1/9/95

2LOW2S - NEUMAN METHOD

FROM LATE DATA

$1/u_B = 10^0 = 1$
$W(u_B, \Gamma) = 1$
$\Gamma = 3.0$
$t = 1050$ min
$s = 0.62$ ft

$$T = \frac{Q}{4\pi s} W(u_B, \Gamma)$$

$$= \frac{(2.0\,gpm)\left(\frac{24\cdot 60\,min}{day}\right)}{4\pi\,(0.62\,ft)}(1.0)$$

$$= 364\ \frac{gal}{day\text{-}ft} = 48.6\ ft^2/day$$

$$S_y = \frac{4Tt\mu}{r^2} = \frac{4(48.6\ ft^2/day)(1050\,min \cdot \frac{1\,day}{24\cdot 60\,min})}{(24.5\,ft)^2}$$

$$= 0.24$$

FROM EARLY DATA

$\Gamma = 3.0$
$W(u_A, \Gamma) = 1$
$1/u_A = 1$
$t = 27$ min
$s = 0.80$ ft

$$T = \frac{Q}{4\pi s} W(u_A, \Gamma)$$

$$= \frac{(2.0\,gpm)\left(\frac{24\cdot 60\,min}{day}\right)}{4\pi\,(0.80\,ft)}(1.0)$$

$$= 286.6\ gal/day\text{-}ft = 38.3\ ft^2/day$$

CLIENT	JOB NUMBER
NSB-NLON	
SUBJECT: 2LPW15 PUMPING TEST	
BASED ON	DRAWING NUMBER

BY	CHECKED BY	APPROVED BY	DATE
L.J. GROSS	DAY 1-9-95		1/5/95

$$S_A = \frac{4Tt\mu_A}{r^2} = \frac{4(38.3\ ft^2/day)(27\ min \cdot \frac{1\ day}{2460\ min})}{(24.5\ ft)^2}$$

$$= 4.9 \times 10^{-3}$$

$$= 0.0048$$

$$\frac{S_y}{S_A} = \frac{0.24}{0.0048} = 50:0$$

CONDITION THAT $\frac{S_y}{S_A} > 10$ IS MET.

$$K_H = \frac{T}{b} = \frac{(48.6 + 38.3)/2\ ft^2/day}{21\ ft}$$

$$= 2.1\ ft/day$$

$$K_V = \frac{\Gamma b^2 K_H}{r^2} = \frac{(3.0)(21\ ft)^2(2.1\ ft^2/day)}{(24.5\ ft)^2}$$

$$= 4.6\ ft/day$$

SE2000
Environmental Logger
05/01 14:00

Unit# 479 Test 0

Setups:	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
Type	Level (F)	Level (F)	Level (F)	Level (F)	Level (F)
Mode	Surface	Surface	Surface	Surface	Surface
I.D.	2LPW1S	2LOW1S	2LOW1D	2LOW2S	2LOW3S
Reference	0.000	0.000	0.000	0.000	0.000
SG	1.000	1.000	1.000	1.000	1.000
Linearity	0.027	0.122	0.114	0.113	0.073
Scale factor	10.020	20.114	50.764	50.617	50.316
Offset	-0.012	0.002	-0.025	-0.142	-0.104
Delay mSEC	50.000	50.000	50.000	50.000	50.000

Step 0 04/28 10:00:00

Elapsed Time	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
		(SUBTRACT 0.012)		SUBTRACT 0.047	
0.0000	-0.003	0.012	0.032	0.047	0.000
0.0083	0.000	0.012	0.032	0.047	0.000
0.0166	0.000	0.012	0.032	0.047	0.000
0.0250	0.000	0.012	0.032	0.047	0.000
0.0333	-0.034	0.012	0.032	0.047	0.000
0.0416	0.006	0.012	0.032	0.047	0.000
0.0500	-0.031	0.012	0.032	0.047	0.000
0.0583	-0.050	0.012	0.032	0.047	0.000
0.0666	-0.050	0.012	0.032	0.047	0.000
0.0750	-0.053	0.012	0.032	0.047	0.000
0.0833	-0.063	0.012	0.032	0.047	0.000
0.0916	-0.069	0.012	0.032	0.047	0.000
0.1000	-0.066	0.012	0.032	0.047	0.000
0.1083	-0.075	0.012	0.032	0.047	0.000
0.1166	-0.085	0.012	0.032	0.047	0.000
0.1250	-0.098	0.012	0.032	0.047	0.000
0.1333	-0.101	0.012	0.032	0.047	0.000
0.1416	-0.101	0.012	0.032	0.047	0.000
0.1500	-0.104	0.012	0.032	0.047	0.000
0.1583	-0.101	0.012	0.032	0.031	0.000
0.1666	-0.101	0.012	0.032	0.047	0.000
0.1750	-0.104	0.012	0.032	0.047	0.000
0.1833	-0.120	0.012	0.032	0.031	0.000
0.1916	-0.132	0.012	0.032	0.047	0.000
0.2000	-0.145	0.012	0.032	0.031	0.000
0.2083	-0.145	0.012	0.032	0.047	0.000
0.2166	-0.151	0.012	0.032	0.047	0.000
0.2250	-0.148	0.012	0.032	0.047	0.000
0.2333	-0.145	0.012	0.032	0.047	0.000
0.2416	-0.154	0.012	0.032	0.047	0.000
0.2500	-0.154	0.012	0.032	0.047	0.000
0.2583	-0.164	0.012	0.032	0.047	0.000
0.2666	-0.161	0.012	0.032	0.047	-0.000
0.2750	-0.154	0.012	0.032	0.047	0.000
0.2833	-0.167	0.012	0.032	0.047	0.000
0.2916	-0.170	0.012	0.032	0.047	0.000

DRAWDOWN DATA
AT
PUMP TEST
2LPW1S

000007

0.3000	-0.177	0.012	0.032	0.047	0.000
0.3083	-0.180	0.012	0.032	0.031	0.000
0.3166	-0.180	0.012	0.032	0.047	0.000
0.3250	-0.180	0.012	0.032	0.047	0.000
0.3333	-0.189	0.012	0.032	0.047	0.000
0.3500	-0.208	0.012	0.032	0.047	0.000
0.3666	-0.202	0.012	0.032	0.047	0.000
0.3833	-0.218	0.012	0.032	0.047	0.000
0.4000	-0.218	0.012	0.032	0.047	0.000
0.4166	-0.202	0.012	0.032	0.047	0.000
0.4333	-0.208	0.012	0.032	0.047	0.000
0.4500	-0.218	0.012	0.032	0.047	0.000
0.4666	-0.211	0.012	0.032	0.047	0.000
0.4833	-0.230	0.012	0.032	0.047	0.000
0.5000	-0.221	0.012	0.032	0.047	0.000
0.5166	-0.230	0.012	0.032	0.047	0.000
0.5333	-0.243	0.012	0.032	0.047	0.000
0.5500	-0.240	0.012	0.032	0.047	0.000
0.5666	-0.256	0.012	0.032	0.047	0.000
0.5833	-0.246	0.012	0.032	0.047	0.000
0.6000	-0.246	0.012	0.032	0.047	0.000
0.6166	-0.256	0.012	0.032	0.047	0.000
0.6333	-0.246	0.012	0.032	0.047	0.000
0.6500	-0.249	0.012	0.032	0.047	0.000
0.6666	-0.252	0.012	0.032	0.047	-0.015
0.6833	-0.240	0.012	0.032	0.047	0.000
0.7000	-0.256	0.012	0.032	0.047	0.000
0.7166	-0.249	0.012	0.032	0.047	0.000
0.7333	-0.259	0.012	0.032	0.047	0.000
0.7500	-0.275	0.012	0.032	0.047	0.000
0.7666	-0.265	0.012	0.032	0.047	0.000
0.7833	-0.271	0.012	0.032	0.047	-0.015
0.8000	-0.275	0.012	0.032	0.047	0.000
0.8166	-0.256	0.012	0.032	0.047	0.000
0.8333	-0.265	0.012	0.032	0.047	0.000
0.8500	-0.256	0.012	0.032	0.047	0.000
0.8666	-0.259	0.012	0.032	0.047	0.000
0.8833	-0.268	0.012	0.032	0.047	0.000
0.9000	-0.259	0.012	0.032	0.047	0.000
0.9166	-0.271	0.012	0.032	0.047	0.000
0.9333	-0.271	0.012	0.032	0.047	0.000
0.9500	-0.271	0.012	0.032	0.047	0.000
0.9666	-0.281	0.012	0.032	0.047	0.000
0.9833	-0.278	0.012	0.032	0.047	0.000
1.0000	-0.290	0.012	0.032	0.047	0.000
1.2000	-0.287	0.012	0.032	0.047	-0.015
1.4000	-0.303	0.012	0.032	0.047	0.000
1.6000	-0.316	0.012	0.032	0.047	0.000
1.8000	-0.306	0.012	0.032	0.047	0.000
2.0000	-0.319	0.012	0.032	0.047	0.000
2.2000	-0.316	0.012	0.032	0.047	0.000
2.4000	-0.328	0.012	0.032	0.047	0.000
2.6000	-0.319	0.012	0.032	0.047	0.000
2.8000	-0.319	0.006	0.032	0.047	0.000
3.0000	-0.328	0.006	0.032	0.047	0.000
3.2000	-0.335	0.006	0.032	0.047	0.000
3.4000	-0.335	0.006	0.032	0.047	0.000
3.6000	-0.335	0.006	0.032	0.047	0.000
3.8000	-0.325	0.012	0.032	0.047	0.000
4.0000	-0.325	0.006	0.032	0.047	0.000

		2LDN1S		2LDN2S	
4.2000	-0.331	0.006	0.032	0.047	0.000
4.4000	-0.331	0.006	0.032	0.047	0.000
4.6000	-0.341	0.006	0.032	0.047	0.000
4.8000	-0.344	0.006	0.032	0.047	0.000
5.0000	-0.344	0.006	0.032	0.047	0.000
5.2000	-0.338	0.006	0.032	0.047	0.000
5.4000	-0.335	0.006	0.032	0.047	0.000
5.6000	-0.363	0.006	0.032	0.047	0.000
5.8000	-0.344	0.006	0.032	0.047	0.000
6.0000	-0.360	0.006	0.032	0.047	0.000
6.2000	-0.357	0.006	0.032	0.047	0.000
6.4000	-0.357	0.006	0.032	0.047	0.000
6.6000	-0.363	0.006	0.032	0.047	0.000
6.8000	-0.350	0.006	0.032	0.047	0.000
7.0000	-0.363	0.000	0.032	0.047	0.000
7.2000	-0.376	0.000	0.032	0.047	0.000
7.4000	-0.373	0.000	0.032	0.047	0.000
7.6000	-0.363	0.000	0.032	0.047	0.000
7.8000	-0.363	0.006	0.032	0.047	0.000
8.0000	-0.366	0.006	0.032	0.047	0.000
8.2000	-0.354	0.000	0.032	0.047	0.000
8.4000	-0.366	0.000	0.032	0.047	0.000
8.6000	-0.354	0.000	0.032	0.047	0.000
8.8000	-0.357	0.000	0.032	0.047	0.000
9.0000	-0.360	0.006	0.032	0.047	0.000
9.2000	-0.369	0.000	0.032	0.047	0.000
9.4000	-0.360	0.000	0.032	0.047	0.000
9.6000	-0.354	0.000	0.032	0.047	0.000
9.8000	-0.363	0.000	0.032	0.047	0.000
10.0000	-0.366	0.000	0.032	0.047	0.000
12.0000	-0.357	-0.012	0.016	0.015 -0.032	-0.015
14.0000	-0.366	-0.012	0.016	0.015	-0.031
16.0000	-0.366	-0.012	0.016	0.015	-0.031
18.0000	-0.369	-0.019	0.000	0.015	-0.031
20.0000	-0.369	-0.012	0.016	0.015	-0.031
22.0000	-0.388	-0.019	0.016	0.015	-0.031
24.0000	-0.385	-0.025	0.016	0.015	-0.031
26.0000	-0.395	-0.025	0.016	0.000 -0.047	-0.031
28.0000	-0.376	-0.025	0.000	0.000	-0.031
30.0000	-0.398	-0.025	0.016	0.000	-0.031
32.0000	-0.398	-0.025	0.016	0.000	-0.031
34.0000	-0.395	-0.031	0.000	0.000	-0.031
36.0000	-0.395	-0.031	0.016	0.015	-0.031
38.0000	-0.392	-0.025	0.016	0.015	-0.015
40.0000	-0.398	-0.031	0.016	0.000	-0.031
42.0000	-0.392	-0.038	0.016	0.000	-0.031
44.0000	-0.398	-0.031	0.016	0.000	-0.031
46.0000	-0.398	-0.031	0.016	0.000	-0.031
48.0000	-0.401	-0.025	0.032	0.031	0.000
50.0000	-0.407	-0.038	0.048	0.000	-0.031
52.0000	-0.420	-0.038	0.048	0.000	-0.031
54.0000	-0.398	-0.038	0.032	0.000	-0.031
56.0000	-0.414	-0.038	0.016	0.000	-0.031
58.0000	-0.417	-0.044	0.016	0.000	-0.031
60.0000	-0.426	-0.044	0.016	0.000	-0.031
62.0000	-0.414	-0.044	0.016	0.000	-0.031
64.0000	-0.423	-0.044	0.016	0.000	-0.031
66.0000	-0.420	-0.050	0.016	0.000	-0.031
68.0000	-0.433	-0.050	0.000	0.000	-0.031
70.0000	-0.448	-0.044	-0.016	0.000	-0.031

		2LOWIS		2LOWLS	
72.0000	-0.496	-0.050	-0.016	0.000	-0.031
74.0000	-0.467	-0.038	0.016	0.031	0.000
76.0000	-0.464	-0.057	0.000	-0.015	-0.031
78.0000	-0.436	-0.050	0.016	0.000	-0.031
80.0000	-0.401	-0.050	0.000	0.000	-0.031
82.0000	-0.414	-0.044	0.032	0.031	0.000
84.0000	-0.407	-0.044	0.032	0.031	0.000
86.0000	-0.411	-0.044	0.032	0.031	0.000
88.0000	-0.417	-0.044	0.032	0.015	0.000
90.0000	-0.420	-0.057	0.016	0.000	-0.031
92.0000	-0.420	-0.044	0.032	0.031	0.000
94.0000	-0.417	-0.050	0.032	0.015	0.000
96.0000	-0.417	-0.057	0.016	0.000	-0.015
98.0000	-0.420	-0.057	0.016	-0.015 0.062	-0.031
100.000	-0.423	-0.063	0.016	-0.015	-0.031
120.000	-0.433	-0.069	0.016	-0.015	-0.031
140.000	-0.439	-0.076	0.016	-0.015	-0.031
160.000	-0.452	-0.082	0.016	-0.031 0.078	-0.031
180.000	-0.452	-0.088	0.016	-0.031	-0.031
200.000	-0.456	-0.095	0.016	-0.031	-0.031
220.000	-0.474	-0.095	0.016	-0.031	-0.031
240.000	-0.480	-0.101	0.016	-0.047	-0.031
260.000	-0.499	-0.107	0.016	-0.047 0.094	-0.031
280.000	-0.499	-0.114	0.016	-0.047	-0.031
300.000	-0.493	-0.114	0.032	-0.047	-0.031
320.000	-0.512	-0.126	0.016	-0.063 -0.110	-0.031
340.000	-0.509	-0.126	0.016	-0.063	-0.031
360.000	-0.515	-0.120	0.032	-0.031	0.000
380.000	-0.521	-0.133	0.016	-0.063	-0.031
400.000	-0.518	-0.133	0.000	-0.063	-0.031
420.000	-0.543	-0.139	-0.016	-0.063	-0.031
440.000	-0.553	-0.146	-0.016	-0.079 -0.126	-0.031
460.000	-0.540	-0.152	-0.016	-0.079	-0.031
480.000	-0.553	-0.146	-0.016	-0.079	-0.031
500.000	-0.581	-0.158	-0.016	-0.095 -0.142	-0.015
520.000	-0.575	-0.165	-0.016	-0.095	-0.015
540.000	-0.578	-0.165	-0.016	-0.095	-0.015
560.000	-0.594	-0.171	-0.016	-0.095	-0.015
580.000	-0.588	-0.171	-0.048	-0.095	-0.015
600.000	-0.607	-0.177	-0.048	-0.111 0.158	-0.015
620.000	-0.600	-0.184	-0.048	-0.111	-0.015
640.000	-0.600	-0.177	-0.032	-0.095	0.000
660.000	-0.619	-0.190	-0.048	-0.111	-0.015
680.000	-0.619	-0.196	-0.032	-0.111	-0.015
700.000	-0.632	-0.196	-0.032	-0.127 -0.174	-0.015
720.000	-0.635	-0.196	-0.048	-0.127	-0.015
740.000	-0.635	-0.203	-0.048	-0.127	-0.015
760.000	-0.638	-0.203	-0.048	-0.127	-0.015
780.000	-0.654	-0.209	-0.048	-0.143 -0.19	-0.015
800.000	-0.667	-0.209	-0.048	-0.143	-0.015
820.000	-0.660	-0.215	-0.048	-0.143	-0.015
840.000	-0.676	-0.215	-0.048	-0.143	-0.015
860.000	-0.686	-0.222	-0.048	-0.159 -0.206	-0.015
880.000	-0.686	-0.228	-0.048	-0.159	-0.015
900.000	-0.676	-0.228	-0.048	-0.159	-0.015
920.000	-0.686	-0.228	-0.048	-0.159	-0.015
940.000	-0.698	-0.234	-0.032	-0.159	-0.015
960.000	-0.695	-0.234	-0.032	-0.159	-0.015
980.000	-0.708	-0.241	-0.032	-0.175 0.222	-0.015
1000.00	-0.708	-0.241	-0.016	-0.175	-0.015

000010

SE2000
Environmental Logger
05/01 14:11

Unit# 479 Test 0

Setups:	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
Type	Level (F)	Level (F)	Level (F)	Level (F)	Level (F)
Mode	Surface	Surface	Surface	Surface	Surface
I.D.	2LPW1S	2LOW1S	2LOW1D	2LOW2S	2LOW3S
Reference	0.000	0.000	0.000	0.000	0.000
SG	1.000	1.000	1.000	1.000	1.000
Linearity	0.027	0.122	0.114	0.113	0.073
Scale factor	10.020	20.114	50.764	50.617	50.316
Offset	-0.012	0.002	-0.025	-0.142	-0.104
Delay mSEC	50.000	50.000	50.000	50.000	50.000

Step 0 04/28 10:00:00

Elapsed Time	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
980.000	-0.708	-0.241	-0.032	-0.175	-0.015
1000.00	-0.708	-0.241	-0.016	-0.175	-0.015
1050.00	-0.720	-0.247	-0.016	-0.175	-0.015
1100.00	-0.749	-0.253	-0.032	-0.191 -0.238	-0.015
1150.00	-0.768	-0.260	-0.032	-0.191	-0.015
1200.00	-0.803	-0.272	-0.032	-0.191	-0.015
1250.00	-0.834	-0.272	-0.032	-0.175	0.000
1300.00	-0.834	-0.279	-0.032	-0.191	0.000
1350.00	-0.869	-0.298	-0.032	-0.223 -0.27	-0.015
1400.00	-0.894	-0.304	-0.048	-0.239	-0.015
1450.00	-0.913	-0.311	-0.032	-0.239	-0.015
1500.00	-0.935	-0.323	-0.032	-0.255	-0.015
1550.00	-0.954	-0.330	-0.032	-0.255	-0.015
1600.00	-1.002	-0.336	-0.032	-0.271 -0.318	-0.015
1650.00	-0.999	-0.342	-0.032	-0.271	-0.015
1700.00	-1.033	-0.355	-0.032	-0.287 -0.334	-0.031
1750.00	-1.052	-0.355	0.000	-0.287	-0.015
1800.00	-1.074	-0.361	-0.016	-0.287	-0.015
1850.00	-1.100	-0.368	-0.016	-0.303 -0.35	-0.015
1900.00	-1.147	-0.374	-0.016	-0.303	-0.015
1950.00	-1.157	-0.380	-0.016	-0.319 -0.366	-0.015
2000.00	-1.182	-0.393	-0.016	-0.319	-0.015
2050.00	-1.198	-0.393	-0.016	-0.335 -0.382	-0.015
2100.00	-1.223	-0.406	0.000	-0.335	-0.015
2150.00	-1.318	-0.412	0.000	-0.335	-0.015
2200.00	-1.343	-0.418	-0.016	-0.351 -0.398	-0.015
2250.00	-1.381	-0.431	0.000	-0.351	-0.015
2300.00	-1.390	-0.437	-0.016	-0.367 -0.414	-0.015
2350.00	-1.416	-0.444	-0.016	-0.367	-0.015
2400.00	-1.444	-0.450	-0.016	-0.382 -0.429	-0.015
2450.00	-1.469	-0.457	-0.016	-0.382	-0.015
2500.00	-1.507	-0.469	-0.016	-0.382	-0.015
2550.00	-1.523	-0.476	-0.016	-0.398	-0.015
2600.00	-1.555	-0.482	-0.016	-0.398 -0.445	-0.015
2650.00	-1.609	-0.495	-0.032	-0.414	-0.015
2700.00	-1.672	-0.501	-0.048	-0.414 -0.461	-0.015

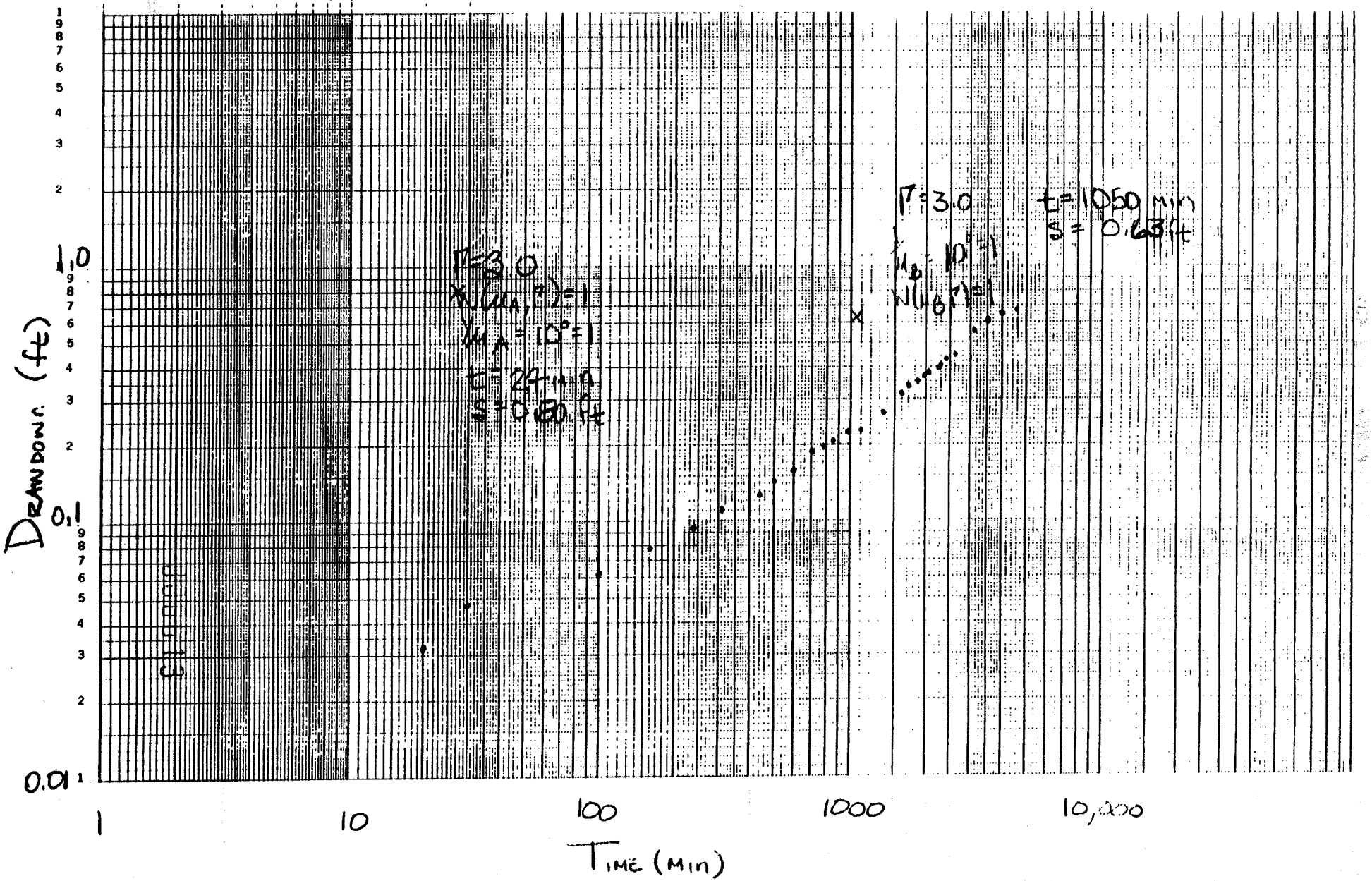
000011

2750.00	-1.691	-0.501	-0.048	-0.398	0.000
2800.00	-1.726	-0.520	-0.064	-0.446 -0.493	0.015
2850.00	-1.760	-0.526	-0.064	-0.446	-0.031
2900.00	-1.801	-0.539	-0.064	-0.462	-0.031
2950.00	-1.827	-0.545	-0.064	-0.462	-0.031
3000.00	-1.890	-0.552	-0.064	-0.462 -0.509	0.015
3050.00	-1.947	-0.558	-0.064	-0.478	-0.031
3100.00	-1.982	-0.564	-0.064	-0.478	-0.015
3150.00	-2.143	-0.577	-0.064	-0.494	-0.015
3200.00	-2.190	-0.590	-0.064	-0.510 -.557	-0.015
3250.00	-2.247	-0.590	-0.080	-0.510	-0.015
3300.00	-2.332	-0.603	-0.080	-0.526	-0.015
3350.00	-2.316	-0.609	-0.080	-0.526	-0.015
3400.00	-2.408	-0.615	-0.080	-0.542 -.589	-0.015
3450.00	-2.465	-0.628	-0.080	-0.542	-0.015
3500.00	-2.914	-0.634	-0.080	-0.558	-0.015
3550.00	-2.958	-0.641	-0.096	-0.558	-0.015
3600.00	-3.185	-0.647	-0.096	-0.558 -0.605	0.015
3650.00	-3.574	-0.653	-0.096	-0.574	0.000
3700.00	-4.054	-0.660	-0.080	-0.574	0.000
3750.00	-4.029	-0.653	-0.064	-0.558	0.000
3800.00	-4.057	-0.672	-0.080	-0.590 -.637	-0.015
3850.00	-4.048	-0.672	-0.064	-0.590	0.000
3900.00	-4.048	-0.679	-0.064	-0.606	-0.015
3950.00	-4.054	-0.685	-0.064	-0.606	-0.015
4000.00	-4.064	-0.685	-0.064	-0.606 -0.653	0.015
4050.00	-4.073	-0.691	-0.064	-0.606	-0.015
4100.00	-4.095	-0.691	-0.064	-0.622	-0.015
4150.00	-4.073	-0.698	-0.080	-0.622	-0.015
4200.00	-4.061	-0.698	-0.080	-0.622	0.000
4250.00	-4.061	-0.698	-0.064	-0.606	0.015
4300.00	-4.064	-0.710	-0.080	-0.638 -0.685	0.015

END

K+E LOGARITHMIC 3 x 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7522

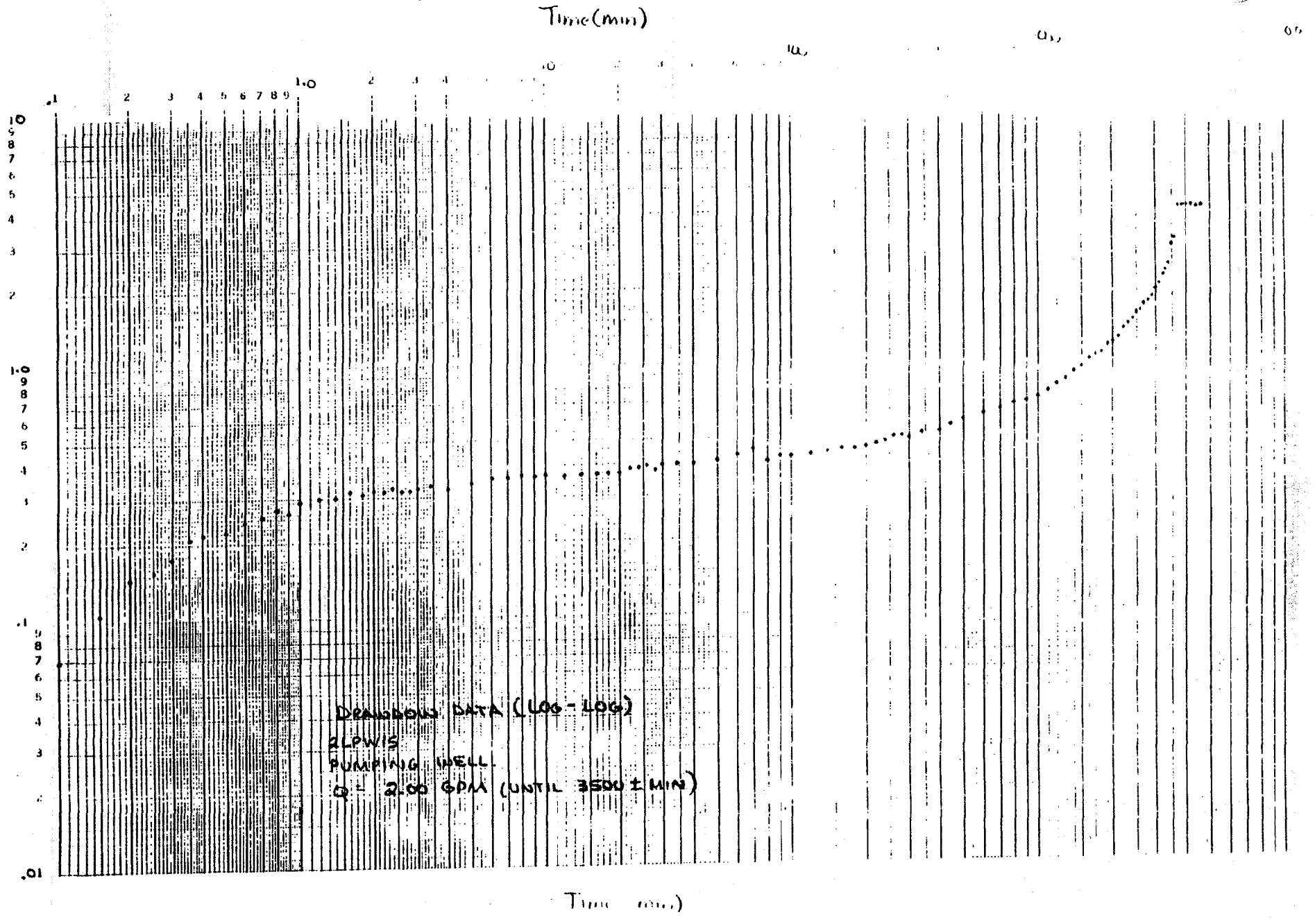
2LOW12 DRAWDOWN vs TIME



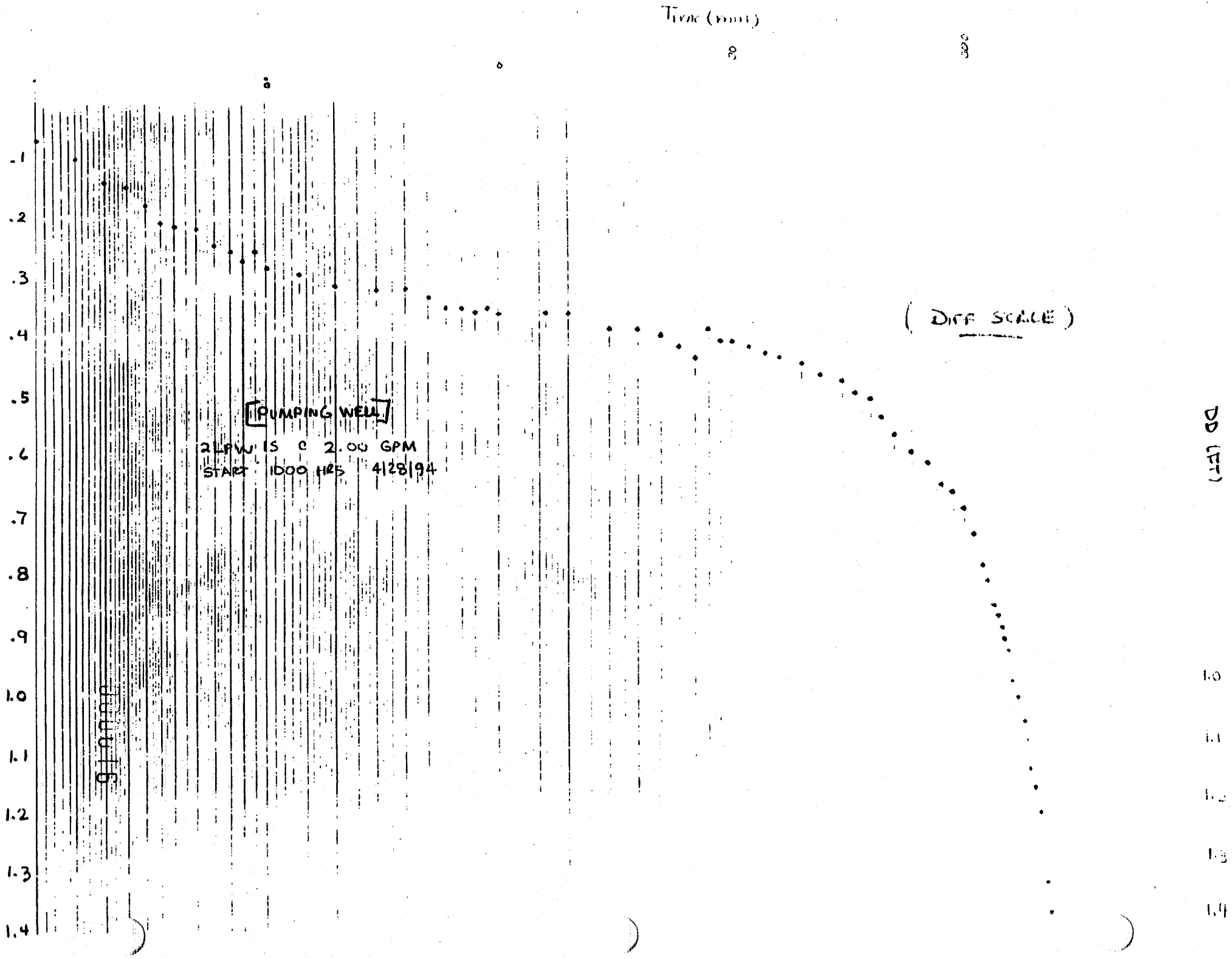
OXFORD PUMPING TEST

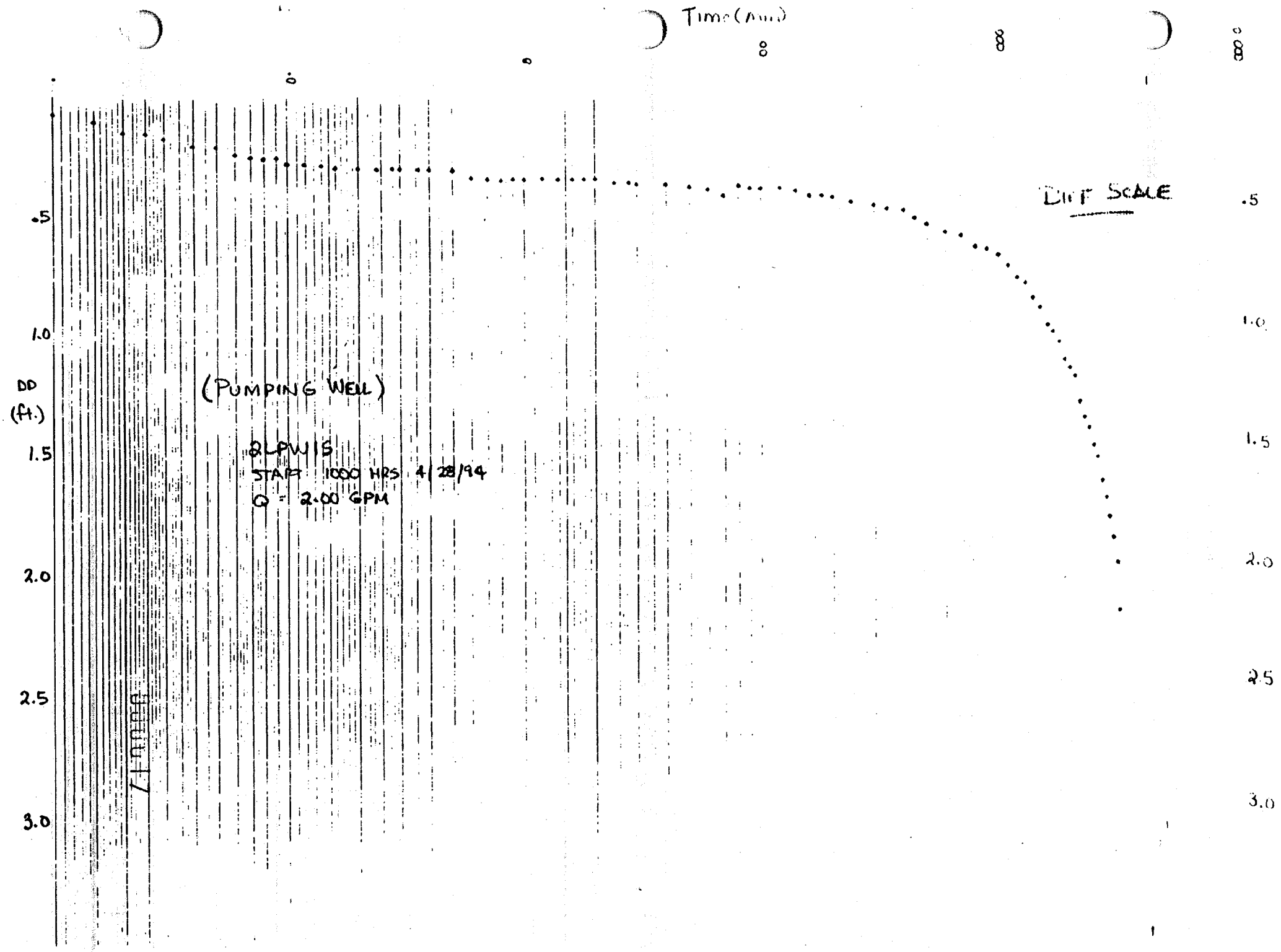
6 OF 6

DRAWDOWN DATA
(PUMPING WELL)
21-PW15 (PUMPING WELL)
START 4/28/94 @ 1000 HRS
Q = 2.00 GPM
2.00 GPM
2.00 GPM
2.00 GPM
2.32 GPM
2.00 GPM
2.00 GPM
2.00 GPM
2.00 GPM
WL - INTAKE OF PUMP
Q = 1.16 → 1.14 GPM
Δ (ft.)
0
1
2
3
4
5


Time(min)
DRAWDOWN DATA (LOG-LOG)
2LPW15
PUMPING WELL
Q = 2.00 GPM (UNTIL 3500 ± MIN)

8 A.)


Time (min)
0
8
30
.1
.2
.3
.4
.5
.6
.7
.8
.9
1.0
1.1
1.2
1.3
1.4
DD (FT)
1.0
1.1
1.2
1.3
1.4
(DIFF SCALE)
PUMPING WELL
2LPW IS @ 2.00 GPM
START 1000 HRS 4/28/94


Time (min)
DIFF SCALE
DD (ft.)
.5
1.0
1.5
2.0
2.5
3.0
(PUMPING WELL)
8LPW15
START 1000 HRS 4/28/94
Q = 2.00 GPM
GROUP 17

INT - CORR w/ XD RDG.

PUMPING TEST DATA SHEET

HALLIBURTON NUS

PROJECT NAME: NSB - NLON
MEASURED WELL: 2LPW1S
PROJECT NO.: 9594
DATE: 4-28-94
PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON
CHECKED:
TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r):
PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 11.36' TPVC (0944)
MONITORING POINT:
TIME PURGE START OR STOP (t_o):
ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	11.36	11.36	0			
1600	360	11.96	11.36	-.60	-.515		
1740	460	11.90	11.36	-.54	-.540		
2200	720	12.09	11.36	-.73	-.635		
0340	1060	12.20	11.36	-.84	-.720		
1330	1650	12.43	11.36	-1.07	-.999		SOC
1730	1890	12.58	11.36	-1.22	-1.147		
2330	2250	12.76	11.36	-1.40	-1.381		
0545	2600 ±	13.07	11.36	-1.71	-1.555		
1250	3050	13.40	11.36	-2.04	-1.947		
1700	3300	13.67	11.36	-2.31	-2.332		
2300	3660	14.97	11.36	-3.61	-3.574		
0940	4300	15.21	11.36	-3.85	-4.064		
		PUMP	OFF @	1015	5-1-94		
1015	0	15.21	11.36	-3.85	-4.064		
1340	205	11.97	11.36	-0.61	-.629		
1240	1585	11.74	11.36	-0.38	-.417 e	1600 min XD	

Maximum Drawdown: ____ ft. Recovery Time: ____ min. Recovery Depth: ____ ft.

Initial 109617 gal

2LPW1S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LOW1S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 10.78 TPVC (0946) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE DTW	STATIC WL	DD (FT.)	(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS 2LOW1S = SCREEN 4-14 G.S. TOTAL DEPTH:
1000	0	10.78	10.78	0			ORG SILT @ ≈ 12' (GR)
1604	364	10.89	10.78	-.11	-.12		b = 3.22' ~
1744	464	10.91	10.78	-.13	-.15		
2202	722	10.98	10.78	-.20	-.196		
0342	1062	11.02	10.78	-.24	-.247		
1331	1651	11.08	10.78	-.30	-.342		SAC
1731	1891	11.14	10.78	-.36	-.374		
2333	2253	11.17	10.78	-.39	-.431		
0546	(2600)	11.20	10.78	-.42	-.482		
[illegible]	3051	11.32	10.78	-.54	-.558		
[illegible]701	3301	11.28	10.78	-.50	-.603		
2302	3662	11.43	10.78	-.65	-.653		
0942	4302	11.47	10.78	-.69	-.710		
		PUMP OFF		1015	5-1-94		
1015	0	11.47	10.78	-.69	-.710		
1341	206	11.33	10.78	-.55	-.603		
1241	1586	11.13	10.78	-.35	-.387 @	1600 min	(XD)

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LOW1S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LOW2S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 11.41 / TPVC (0949) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	11.41	11.41	0			
1607	367	11.59	11.41	-.18	-.031		
1750	470	11.52	11.41	-.11	-.079		
2208	730	11.62	11.41	-.21	-.127		
0348	1068	11.69	11.41	-.28	-.175		
1334	1654	11.69	11.41	-.28	-.271		SOC
1734	1894	11.75	11.41	-.34	-.303		
2237	2257	11.87	11.41	-.46	-.351		
0548	(2600)	11.87	11.41	-.46	-.398		
1255	3055	11.89	11.41	-.48	-.478		
1705	3305	11.95	11.41	-.54	-.526		
2306	3666	11.98	11.41	-.57	-.574		
0945	4305	11.98	11.41	-.57	-.638		
		PUMP	OFF @	1015 -	5-1-94		
1015	0	11.98	11.41	-.57	-.638		
1343	208	11.86	11.41	-.45	-.590		
1243	1588	11.90	11.41	-.49	-.382	@1600 min	(XD)

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LOW2S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LOW1D
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 7.45' TPVC (0943) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	7.45	7.45	0	0		
1603	360	7.45	7.45	0	+ .032		
1748	468	7.49	7.45	-0.04	- .016		
2206	728	7.52	7.45	-0.07	- .048		
0346	1066	7.49	7.45	-0.04	-.016		
1332	1652	7.50	7.45	-0.05	-.032		SJC
1732	1892	7.50	7.45	-0.05	-.016		
2335	2255	7.46	7.45	-0.01	0.00		
0547		7.44	7.45	+0.01	-.016		
[illegible]2	3052	7.55	7.45	-.10	-.064		checked twice SJC
[illegible].102	3302	7.54	7.45	-.09	-.080		
2304	3664	7.56	7.45	-.11	-.096		
0944	4304	7.55	7.45	-.10	-.080		
			PUMP	OFF @	1015 -	5-1-94	
1015	0	7.55	7.45	-.10	-.080		
1342	207	7.58	7.45	-.13	-.096		
1242	1587	7.71	7.45	-.26	-.208 @	1600 min	(XD)

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000021

2LOW1D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LOW 3S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 11.73' TPVC (0947) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	11.73	11.73	0			
4/28 1610	370	11.80	11.73	-.07	.000		
1753	473	11.73	11.73	0	-.031		
2211	733	11.85	11.73	-0.12	-.015		
4/29 0350	1070	11.81	11.73	-0.08	-.015		
1335	1655	11.74	11.73	-0.01	-.015		
1735	1895	11.79	11.73	-0.06	-.015		
2339	2259 (2600)	11.81	11.73	-0.08	-.015		
0550		11.74	11.73	-0.01	-.015		
4/30	4-30-94						
0840		11.73	11.73	-0.00			SJC
1256	3056	11.81	11.73	-0.08	-.031		SJC
1706	3306	11.83	11.73	-0.10	-.015		
2308	3668	11.81	11.73	-.08	-.000		
0948	4308	11.78	11.73	-.05	-.015		
		PUMP	OFF @	1015 -	5-1-94		
1015	0	11.78	11.73	-.05	-.015		
5/1 1345	210	11.76	11.73	-.03	-.015		
1245	1590	11.76	11.73	-.03	-.015		
5/2							

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LOW 3S

EVERY ≈ 600 min ± (5 WELLS) + IRS.D (2) 5

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON
MEASURED WELL: 1MW25
PROJECT NO.: 9594
DATE: 4-28-94
PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON
CHECKED:
TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r):
PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 2.34 TPVC (0930)
MONITORING POINT:
TIME PURGE START OR STOP (t_o):
ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1930	0	2.34	2.34	0			
1940	580	2.39	2.34	-.05			
0540	1180	2.39	2.34	-.05			
1540	1780	2.40	2.34	-.06			
0140	2380	2.41	2.34	-.07			
	SAT, APRIL 30, 1994						
1140	2980	2.43	2.34	-.09			
2140	3580	2.42	2.34	-.06			
0920	4280	2.41	2.34	-.07			
		PUMP	OFF @ 1015	ON	5-1-94		LT. RAIN ON
1015	0	2.41	2.34	-.07			AND OFF STARTING
1315	180	2.42	2.34	-.08			AT 1145 5.1.94
1335	1640	2.54	2.34	-.20			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

1MW25

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW8S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 1.08' TOC (0938) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	1.08	1.08	0			
1942	582	1.13	1.08	-.05			
0542	1182	1.12	1.08	-.04			
1542	1782	1.10	1.08	-.02			
0142	2382	1.12	1.08	-.04			
↓	4/30			↓			
1142	2982	1.19	1.08	-.11			
2142	3582	1.18	1.08	-.10			
0922	4282	1.18	1.08	-.10			
		PUMP	OF 1015	ON	5.1.94		
1015	0	1.18	1.08	-.10			
1317	182	1.17	1.08	-.09			
1337	1642	1.26	1.08	-.18			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000024

2LMW8S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW8D
PROJECT NO.: 9594 DATE: PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 0.00 'TOC (0937) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	0.00	0.00	—			Flowing
1941	581	0.00	"	0			"
4/29 0541	1181	0	0	0			"
1541	1781	0	0	0			"
4/30 0143	2383	0.00	0.00	0.00			"
4/30/94							"
1143	2983	0	0	0			"
2143	3583	0	0	0			
5/1 0923	4283	0	0	0			
PUMP OF 1015					5.1.94		
1015	0	0	0	0			
1318	183	0	0	0			
5/2 1338	1643	0	0	0			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000025

2LMW8D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW8S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 5.87' TPVC (0921) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	5.87	5.87	0			
1945	585	5.88	5.87	-.01			
0545	1185	5.85	5.87	+.02			
1645	1785	5.78	5.87	+.09			
0145	2385	5.72	5.87	+.15			
1145	2985	5.79	5.87	+.08			
2145	3585	5.79	5.87	+.08			
0925	4285	5.77	5.87	+.10			
			PUMP OF	1015	5-1-94		
105	0	5.77	5.87	+.10			
1320	185	5.73	5.87	+.14			
1340	1645	5.84	5.87	+.03			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000026

2LMW 18S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW18D
PROJECT NO.: 9594 DATE: PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 6.35' TOC (0922) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	6.35	6.35	0	—		
1946	586	6.46	6.35	-.11			
7/29 0546	1186	6.54	6.35	-.19			
1646	1786	6.53	6.35	-.18			
0146	2386	6.49	6.35	-.14			
↓	4	30	94	↓			
1146	2986	6.56	6.35	-.21			
2146	3586	6.58	6.35	-.23			
5/1 0926	4286	6.53	6.35	-.18			
		PUMP OFF		1015 @	5-1-94		
.015	0	6.53	6.35	-.18			
1322	187	6.54	6.35	-.19			
5/2 1342	1647	6.78	6.35	-.43			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LMW18D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW13S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 14.56' TPVC (0901) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE DTW	STATIC WL	DD (FT.)	(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS TOTAL DEPTH:
1/28 1000	0	14.56	14.56	0			
1320	200	14.63	14.56	-.07			
40 1640	400	14.65	"	-.09			
00 2000	600*	14.68	"	-.12			
20 2320	800	14.69	14.56	-.13			
29 ~~0240~~	~~1000~~						
0600	1200*	14.71	14.56	-.15			
0920	1400	14.71	14.56	-.15			
10PM ~~1240~~	~~1600~~						
15 PM 1600	1800*	14.64	14.56	-.08			14.52, Then rechecked it got 14.64 ?
20 1920	2000	14.62	14.56	-.06			
40 2240	2200	14.57	14.56	-.01			
30 0200	2400*	14.55	14.56	+.01			
0600	2640	14.53	14.56	+.03			
0840	2800	14.55	14.56	+.01			
1200	3000*	14.57	14.56	-.01			
20 1520	3200	14.55	14.56	+.01			
40 1840	3400	14.55	14.56	+.01			
00 PM 2200	3600*	14.56	14.56	0			
1 10 0120	3800						
0620	4100	14.50	14.56	+.06			
0940	4300*	14.50	14.56	+.06			
100			PUMP OFF @ 1015		ON	5-1-94	
1015	0	14.50	14.56	+.06			
1/1 1315	180	14.50	14.56	+.06			
1/2 1315	1620	14.79	14.56	-.23			
							0000028

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

* READ 5 OUTLYING WELLS.

2LMW13S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW13D
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW15
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 5.51' TOC (0900) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	5.51	5.51	0			
1322	202	5.58	5.51	-.07			
1642	402	5.59	"	-.08			
2002	602	5.61	5.51	-.10			
2322	802	5.63	5.51	-.12			
4/29 0602	1202	5.61	5.51	-.10			
0922	1402	5.66	5.51	-.15			
[illegible]02	1802	5.70	5.51	-.19			
[illegible]922	2002	5.67	5.51	-.16			
2242	2202	5.65	5.51	-.14			
1/30 0202	2402	5.66	5.51	-.15			
0602	2642	5.66	5.51	-.15			
0842	2802	5.58	5.51	-.07			
1202	3002	5.73	5.51	-.22			
1522	3202	5.73	5.51	-.22			
1842	3402	5.74	5.51	-.23			
2202	3602	5.75	5.51	-.24			
5-1 0622	4102	5.78	5.51	-.27			
0942	4302	5.66	5.51				
		PUMP	OFF @	1015	ON	5-1-94	
1015	0	5.66	5.51				
1317	182	5.71	5.51	-.20			
5/2 1317	1622	6.03	5.51	-.52			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LMW13D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW9S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 9.87' TPVC (0902) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	9.87	9.87	0			
1324	204	10.03	9.87				
1645	405	10.05	9.87				
2005	605	10.08	9.87				
2323	803	10.08	9.87	-.21			
0603	1203	10.09	9.87	-.22			
0923	1403	10.15	9.87	-.28			
1603	1803	10.19	9.87	-.32			
1903	2003	10.15	9.87	-.28			
2203	2203	10.20	9.87	-.33			
0204	2404	10.28	9.87	-.41			
0606	2646	10.22	9.87	-.35			
0845	2805	10.12	9.87	-.25			
1205	3005	10.32	9.87	-.45			
1525	3205	10.26	9.87	-.39			
1845	3405	10.30	9.87	-.43			
2205	3605	10.41	9.87	-.54			
0625	4105	10.42	9.87	-.55			
0945	4305	10.46	9.87	-.59			
		PUMP	OFF @	1015	5-1-94		
1015	0	10.46	9.87	-.59			
1319	184	10.47	9.87	-.60			
1319	1624	10.66	9.87	-.79			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LMW9S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW9S-1
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 9.98' TPVC (0904) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	9.98	9.98	0			
1325	205	10.03	9.98	-.05			
1644	404	10.06	9.98	-.08			
2006	606	10.08	9.98	-.10			
2325	805	10.10	9.98	-.12			
0605	1205	10.16	9.98	-.18			
0925	1405	10.11	9.98				
[illegible]	1805	10.25	9.98	-.27			
[illegible]905	2005	10.27	9.98	-.29			
2245	2205	10.28	9.98	-.30			
0205	2405	10.31	9.98	-.33			
0604	2694	10.33	9.98	-.35			
0846	2806	10.33	9.98	-.35			
1206	3006	10.36	9.98	-.38			
1526	3206	10.28	9.98	-.30			
1846	3406	10.33	9.98	-.35			
2206	3606	10.43	9.98	-.45			
0626	4106	10.48	9.98	-.50			
0946	4306	10.48	9.98	-.50			
		PUMP	OFF @	1015	5-1-94		
1015	0	10.48	9.98	-.50			
1320	185	10.42	9.98	-.44			
1320	1625	10.69	9.98	-.71			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LMW9S-1

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW9D
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW15
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 27.55' TOC (0905) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	27.55	27.55	0			
1327	207	27.57	27.55	-0.02			
1647	407	27.56	27.55	-0.01			
2007	607	27.65	27.55	-0.10			
2329	907	27.64	27.55	-0.09			
0610	1210	27.60	27.55	-.05			
0930	1410	27.60	27.55	-.05			
1610	1810	27.52	27.55	+.03			
1910	2010	27.51	27.55	+.04			
2250	2210	27.45	27.55	+.10			
0206	2406	27.35	27.55	+.20			
0607	2607	27.43	27.55	+.12			
0847	2807	27.48	27.55	+.07			
1207	3007	27.46	27.55	+.09			
1527	3207	27.50	27.55	+.05			
1847	3407	27.49	27.55	+.06			
2207	3607	27.51	27.55	+.04			
0627	4107	27.40	27.55	+.15			
0947	4307	27.31	27.55	+.24			
			PUMP OFF @		1015	5-1-94	
0	0	27.31	27.55	+.24			
1321	186	27.32	27.55	+.23			
1321	1626	27.70	27.55	-.15			

Maximum Drawdown: ____ ft. Recovery Time: ____ min. Recovery Depth: ____ ft.

000032

2LMW9D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LOW 4S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 9.35' TPVC (0407) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	9.35	9.35	0			
1330	210	9.42	9.35	-.07			
1650	410	9.42	9.35	-.07			
2010	610	9.41	9.35	-.06			
2330	810	9.43	9.35	-.08			
1/29							
0611	1211	9.43	9.35	-.08			
0931	1411	9.43	9.35	-.08			
[illegible]11	1811	9.41	9.35	-.06			
[illegible]11	2011	9.43	9.35	-.08			
2251	2211	9.42	9.35	-.07			
1/30 0208	2408	9.43	9.35	-.08			
0609	2649	9.38	9.35	-.03			
0849	2809	9.41	9.35	-.06			
1209	3009	9.41	9.35	-.06			
1529	3209	9.42	9.35	-.07			
1849	3409	9.42	9.35	-.07			
2209	3609	9.42	9.35	-.07			
-1 0629	4109	9.39	9.35	-.04			
0949	4309	9.38	9.35	-.03			
		PUMP OFF @ 1015			HRS -	5-1-9	
1015	0	9.38	9.35	-.03			
1322	187	9.40	9.35	-.05			
1322	1627	9.44	9.35	-.09			
2							

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

2LOW 4S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 4MW2S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 5. TPVC (2913) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	5.19	5.19	0			
1332	212	5.25	5.19	-.06			
1653	413	5.28	"	- -.09			
2013	613	5.30	"	- .11			
2333	913	5.33	5.19	- .14			
4/29							
0613	1213	5.36	5.19	-.17			
0933	1413	5.40	5.19	-.21			
1613	1813	5.45	5.19	- -.26			
1913	2013	5.47	5.19	-.28			
2253	2213	5.48	5.19	-.29			
4/30 0210	2410	5.50	5.19	-.31			
0611	2654	5.53	5.19	-.34			
0852	2812	5.52	5.19	-.33			
1212	3012	5.58	5.19	-.39			
1532	3212	5.60	5.19	-.41			
1852	3412	5.62	5.19	-.43			
2212	3612	5.64	5.19	-.45			
5-1 0632	4112	5.67	5.19	-.48			
0952	4312	5.70	5.19	-.51			
		PUMP OFF		@ 1015	ON	5-1-94	
1015	0	5.70	5.19	-.51			
1326	191	5.71	5.19	-.52			
5/2 1326	1631	5.89	5.19	-.70			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000034

4MW2S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 4MW3S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 6.77' TOVC (0914) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	6.77	6.77	0			
1334	214	6.82	6.77	-.05			
1455	415	6.85	6.77	-.08			
2015	615	6.87	6.77	-.10			
2315	815	6.83	6.77	-.06			
19							
0615	1215	6.91	6.77	-.14			
0935	1415	6.95	6.77	-.18			
15	1815	6.99	6.77	-.22			
115	2015	7.01	6.77	-.24			
2255	2215	7.02	6.77	-.25			
1/30 0212	2412	7.04	6.77	-.27			
0613	2653	7.07	6.77	-.30			
0853	2813	7.10	6.77	-.33			
1213	3013	7.11	6.77	-.34			
1533	3213	7.13	6.77	-.36			
1853	3413	7.15	6.77	-.38			
2213	3613	7.17	6.77	-.90			
-1 0633	4113	7.21	6.77	-.44			
0953	4313	7.23	6.77	-.46			
		PUMP OFF @	1015		ON	5-1-94	
1015	0	7.23	6.77	-.46			
1327	192	7.26	6.77	-.49			
1327	1632	7.34	6.77	-.57			
2							

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000035

4MW3S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 4MW4S
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 1.06' TPVC (0915) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	1.06	1.06	0			
1336	216	1.07	1.06	-.01			
1657	417	1.08	1.06	-.02			
2017	617	1.08	1.06	-.02			
2317	817	1.07	1.06	-.01			
4/29 0617	1217	1.10	1.06	-.04			
0937	1417	1.11	1.06	-.05			
1617	1817	1.11	1.06	-.05			
1917	2017	1.12	1.06	-.06			
2257	2217	1.12	1.06	-.06			
4/30 0214	2412	1.13	1.06	-.07			
0615	2655	1.13	1.06	-.07			
0854	2814	1.13	1.06	-.07			
1214	3014	1.14	1.06	-.08			
1534	3214	1.14	1.06	-.08			
1854	3414	1.15	1.06	-.09			
2214	3614	1.16	1.06	-.10			
5-1 0634	4114	1.17	1.06	-.11			
0954	4314	1.18	1.06	-.12			
	PUMP	OFF	@ 1015	ON	5-1-94		
1015	0	1.18	1.06	-.12			
1329	194	1.18	1.06	-.12			
5/2 1329	1634	1.20	1.06	-.14			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

4MW4S

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 4MW4D
PROJECT NO.: 9594 DATE: PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 0.00' TPVC (0916) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1008	0	0.00	0.00	0			Flowing
1337	217	0.00	"	0			"
1657	417	0.00	"	0			"
2017	617	0.00	"	0			"
2318	818	0.00	0	0			
4/29							
0618	1218	0	0	0			
0938	1418	0	0	0			"
1518	1818	0	0	0			"
1918	2018	0	0	0			"
2258	2218	0.00	0	0.00			"
4/30 0216	2416	0.00	0.00	0.00			"
0616	2656	0.00	0.00	0.00			"
0854	2814	"	"	"			"
1214	3014	"	"	"			"
1534	3214	"	"	"			"
1855	3415	"	"	"			"
2215	3615	"	"	"			"
5-1 0634	4104	"	"	"			"
0954	4314	"	"	"			"
		PUMP OFF	@1015	- 5-1994			
1015	0	0.00	0.00	0			FLOWING
1329	194	0.00	0.00	0			"
5/2 1329	1634	0.00	0.00	0			"

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000037

4MW4D

PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW7D
PROJECT NO.: 9594 DATE: 4-28-94 PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI / EVANS / SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 6.00' TOC (0941) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M-SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	6.00	6.06				
1340	220	6.01	"	-.01			
1700	420	6.02	"	-.02			
2020	620	6.06	"	-.06			
2340	820	6.07	6.00	-.07			
4/29							
0620	1220	6.06	6.00	-.06			
0940	1420	6.06	6.00	-.06			
1620	1820	6.03	6.00	-.03			
1920	2020	6.01	6.00	-.01			
2300	2220	6.00	6.00	.00			
4/30 0218	2418	6.00	6.00	.00			
0618	2658	6.02	6.00	-.02			
0857	2817	6.03	6.00	-.03			
1217	3017	6.05	6.00	-.05			
1537	3217	6.04	6.00	-.04			
1857	3417	6.04	6.00	-.04			
2217	3617	6.05	6.00	-.05			
5/1 0637	4117	6.01	6.00	-.01			
0957	4317	6.00	6.00	-.00			
		PUMP OFF @		1015	ON	5-1-94	
1015	0	6.00	6.00	.00			
1330	195	6.02	6.00	-.02			
5/2 1330	1635	6.17	6.00	-.17			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

000038

2LMW7D

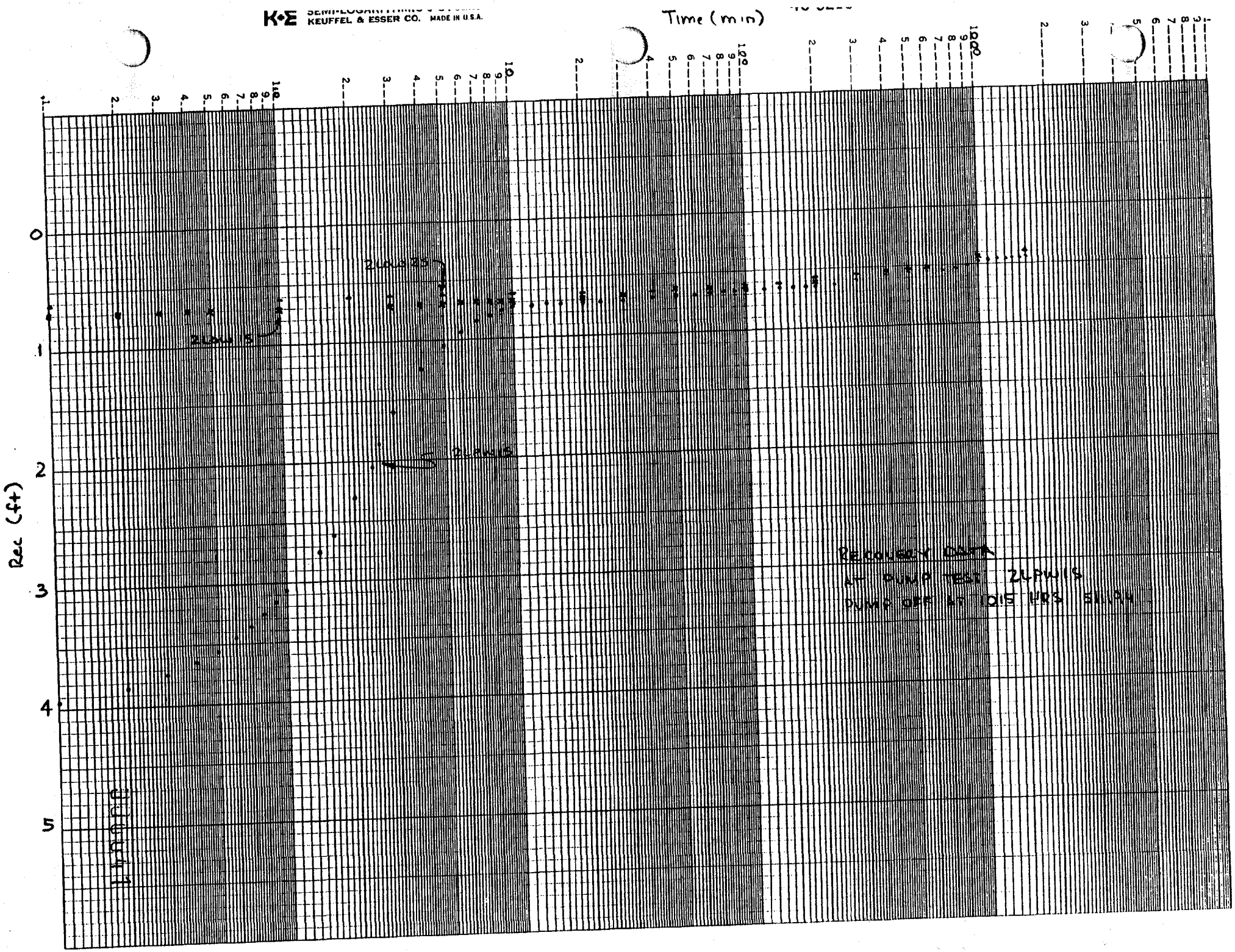
PUMPING TEST DATA SHEET **HALLIBURTON NUS**

PROJECT NAME: NSB - NLON MEASURED WELL: 2LMW7S
PROJECT NO.: 9594 DATE: PUMPING WELL: 2LPW1S
GEOLOGIST: CONTI/ EVANS/ SIMPSON CHECKED: TEST NO.:
DISTANCE FROM PUMPING WELL(ft.)(r): PUMP SETTING, FEET BELOW MONITORING POINT:
STATIC H_2O LEVEL (ft.)(s_o): 10.36' TOPVC (0940) MONITORING POINT:
TIME PURGE START OR STOP (t_o): ELEVATION OF MONITORING POINT (ft. above MSL):

TIME	(t) MIN. SINCE PUMP START OR STOP	WATER LEVEL MEASUREMENTS (ft.) M- SCOPE			(s) DD Or RECOVERY (ft.) (XD)	PUMPING RATE (Q) GPM	REMARKS
		DTW	STATIC WL	DD (FT.)			TOTAL DEPTH:
1000	0	10.36	10.36	0			
1340	220	10.33	"	+ .03			
1659	419	10.38	10.36	-.02			
2019	619	10.39	10.36	-.03			
2341	821	10.39	10.36	-.03			
4/29							
0621	1221	10.42	10.36	-.06			
0941	1421	10.41	10.36	-.05			
1621	1821	10.38	10.36	-.02			
1921	2021	10.40	10.36	-.04			
2301	2221	10.37	10.36	-.01			
4/30 0219	2419	10.37	10.36	-.01			
0619	2659	10.38	10.36	-.02			
0858	2818	10.40	10.36	-.04			
1218	3018	10.41	10.36	-.05			
1538	3218	10.39	10.36	-.03			
1858	3418	10.41	10.36	-.05			
2218	3618	10.37	10.36	-.01			
5/1 0638	4118	10.34	10.36	+.02			
0958	4318	10.29	10.36				
		PUMP OFF @ 1015 ARS					
1015	0	10.29	10.36	+.07			
1331	196	10.39	10.36	-.03			
5/2 1331	1636	10.50	10.36	-.14			

Maximum Drawdown: ft. Recovery Time: min. Recovery Depth: ft.

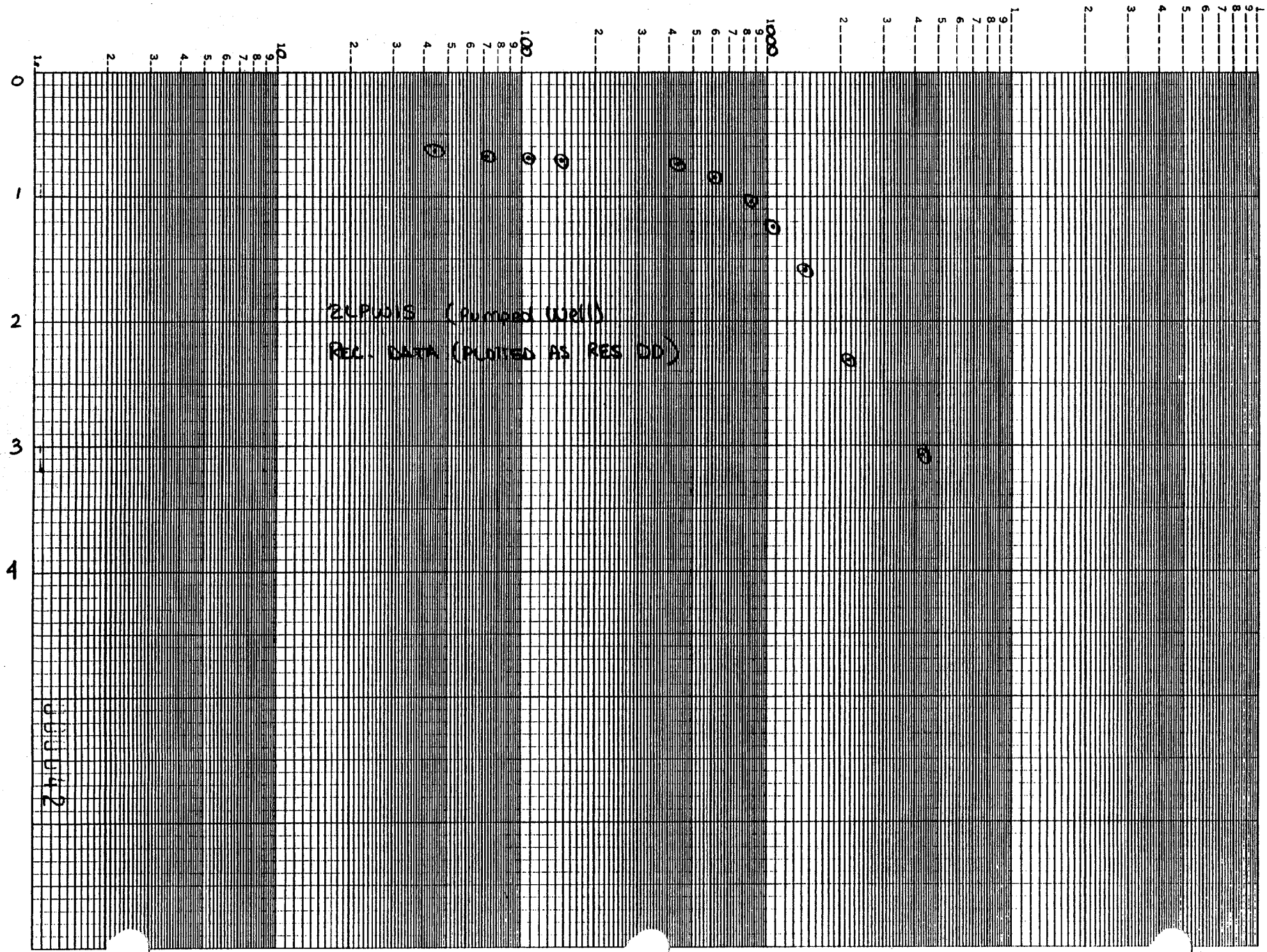
2LMW7S


K+E SEMI-LOGARITHMIC 5 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
Time (min)
Rec (ft)
0
1
2
3
4
5
1
2
3
4
5
6
7
8
9
10
100
1000
2LPW15 RS
2LPW15
2LPW15
RECOVERY DATA
AT PUMP TEST 2LPW15
PUMP OFF AT 1015 HRS 5/1/84

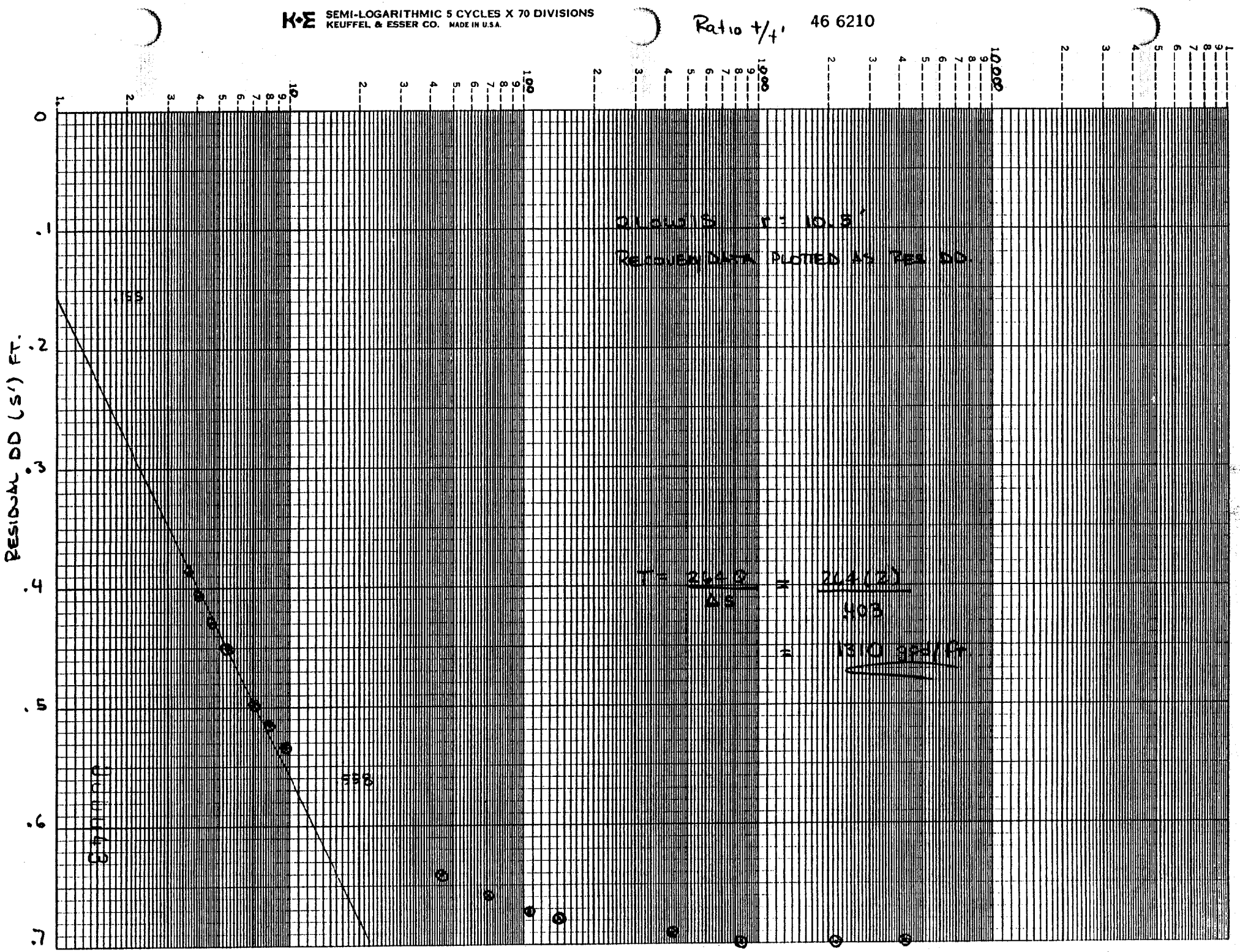
K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

t/t'

46 6210

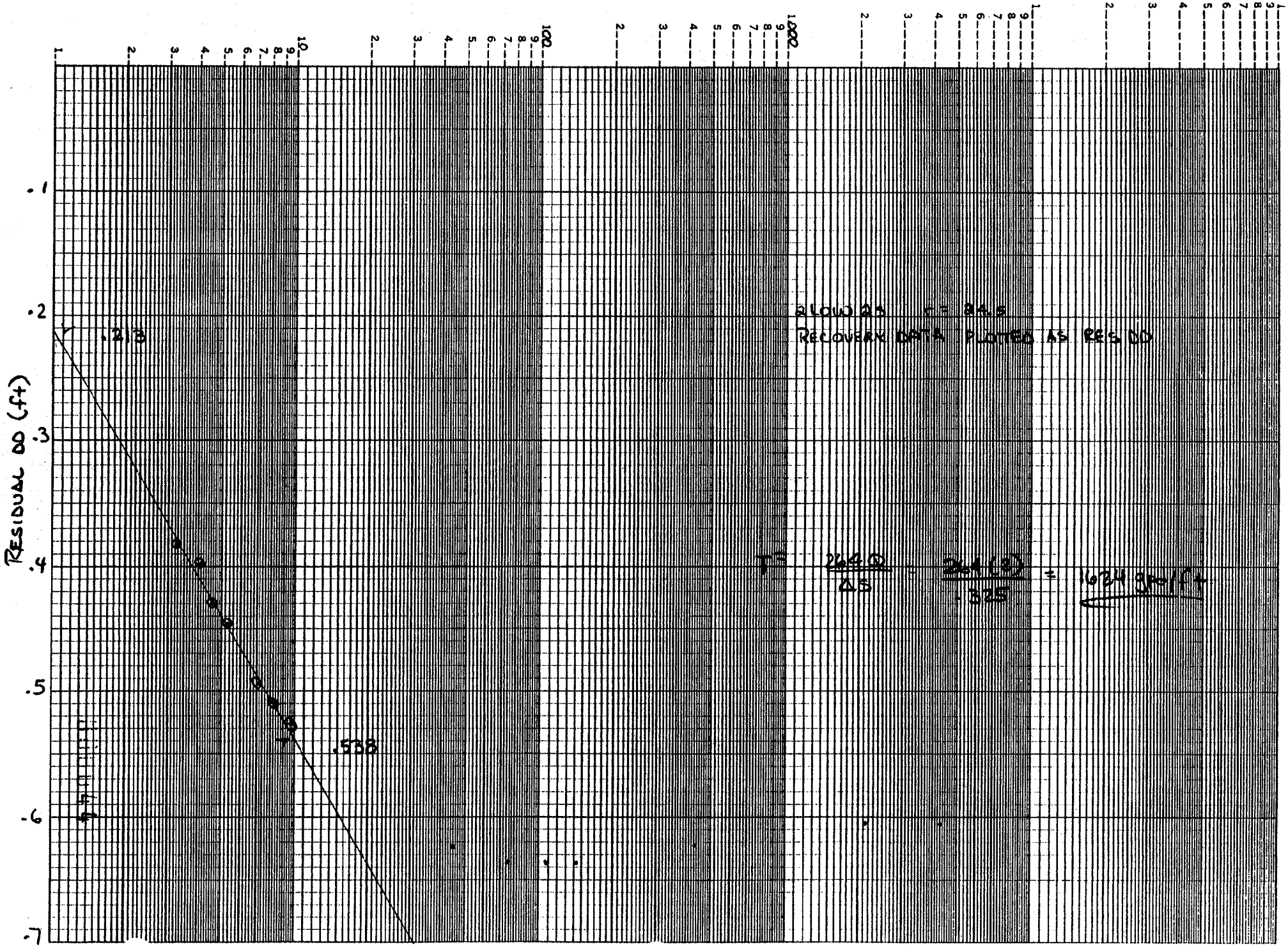


2 4 3 0 0 4 2


K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.
Ratio t/t'
46 6210
RESIDUAL DD (s') FT.
Q = 403 GPM
RECOVERY DATA PLOTTED AS TEST DD.
T = 264 Q / Δs = 264 (2) / 40.3 = 1310 GPD/FT.
.155
.550
CONTROL #3

K+E SEMI-LOGARITHMIC 5 CYCLES X 70 DIVISIONS
KEUFFEL & ESSER CO. MADE IN U.S.A.

Ratio t/t' 46 6210



SE2000
Environmental Logger
05/02 13:41

Unit# 479 Test 0

Setups:	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
Type	Level (F)	Level (F)	Level (F)	Level (F)	Level (F)
Mode	Surface	Surface	Surface	Surface	Surface
I.D.	2LPW1S	2LOW1S	2LOW1D	2LOW2S	2LOW3S
Reference	0.000	0.000	0.000	0.000	0.000
SG	1.000	1.000	1.000	1.000	1.000
Linearity	0.027	0.122	0.114	0.113	0.073
Scale factor	10.020	20.114	50.764	50.617	50.316
Offset	-0.012	0.002	-0.025	-0.142	-0.104
Delay mSEC	50.000	50.000	50.000	50.000	50.000

REC DATA
@
PUMP TEST
2LPW1S

Step 1 05/01 10:15:01

Elapsed Time	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
0.0000	-4.064	-0.698	-0.064	-0.606	0.015
0.0083	-4.086	-0.698	-0.064	-0.606	0.015
0.0166	-4.089	-0.698	-0.064	-0.606	0.015
0.0250	-4.070	-0.698	-0.064	-0.606	0.015
0.0333	-4.045	-0.698	-0.064	-0.606	0.015
0.0416	-4.035	-0.698	-0.064	-0.606	0.015
0.0500	-4.019	-0.698	-0.064	-0.606	0.015
0.0583	-4.010	-0.698	-0.064	-0.606	0.015
0.0666	-3.997	-0.698	-0.064	-0.606	0.000
0.0750	-3.985	-0.698	-0.064	-0.606	0.015
0.0833	-3.975	-0.698	-0.064	-0.606	0.015
0.0916	-3.966	-0.698	-0.064	-0.606	0.000
0.1000	-3.953	-0.698	-0.064	-0.606	0.015
0.1083	-3.940	-0.698	-0.064	-0.606	0.000
0.1166	-3.931	-0.698	-0.048	-0.606	0.015
0.1250	-3.922	-0.698	-0.064	-0.606	0.015
0.1333	-3.909	-0.698	-0.064	-0.606	0.015
0.1416	-3.903	-0.698	-0.064	-0.606	0.015
0.1500	-3.890	-0.698	-0.064	-0.622	0.000
0.1583	-3.884	-0.698	-0.064	-0.606	0.000
0.1666	-3.871	-0.698	-0.064	-0.606	0.015
0.1750	-3.862	-0.698	-0.064	-0.606	0.015
0.1833	-3.852	-0.698	-0.064	-0.606	0.015
0.1916	-3.843	-0.698	-0.064	-0.606	0.015
0.2000	-3.836	-0.698	-0.064	-0.606	0.015
0.2083	-3.827	-0.698	-0.064	-0.606	0.015
0.2166	-3.820	-0.698	-0.064	-0.606	0.015
0.2250	-3.814	-0.698	-0.064	-0.606	0.015
0.2333	-3.805	-0.698	-0.064	-0.606	0.015
0.2416	-3.798	-0.698	-0.064	-0.606	0.015
0.2500	-3.789	-0.698	-0.064	-0.606	0.015
0.2583	-3.783	-0.698	-0.064	-0.606	0.000
0.2666	-3.773	-0.698	-0.064	-0.606	0.015
0.2750	-3.767	-0.698	-0.064	-0.606	0.015
0.2833	-3.757	-0.698	-0.064	-0.606	0.015
0.2916	-3.751	-0.698	-0.064	-0.606	0.015

000045

0.3000	-3.745	-0.698	-0.064	-0.606	0.015
0.3083	-3.735	-0.698	-0.064	-0.606	0.015
0.3166	-3.729	-0.698	-0.064	-0.606	0.015
0.3250	-3.723	-0.698	-0.064	-0.606	0.015
0.3333	-3.713	-0.698	-0.064	-0.606	0.015
0.3500	-3.700	-0.698	-0.064	-0.606	0.015
0.3666	-3.685	-0.698	-0.064	-0.606	0.015
0.3833	-3.669	-0.698	-0.064	-0.606	0.015
0.4000	-3.653	-0.698	-0.064	-0.606	0.000
0.4166	-3.637	-0.698	-0.064	-0.606	0.015
0.4333	-3.621	-0.698	-0.048	-0.606	0.015
0.4500	-3.606	-0.698	-0.064	-0.606	0.015
0.4666	-3.590	-0.698	-0.064	-0.606	0.015
0.4833	-3.574	-0.698	-0.064	-0.606	0.015
0.5000	-3.558	-0.698	-0.064	-0.606	0.015
0.5166	-3.542	-0.698	-0.064	-0.606	0.015
0.5333	-3.527	-0.698	-0.064	-0.606	0.015
0.5500	-3.511	-0.698	-0.064	-0.606	0.015
0.5666	-3.495	-0.698	-0.064	-0.606	0.015
0.5833	-3.479	-0.698	-0.048	-0.606	0.015
0.6000	-3.460	-0.698	-0.064	-0.606	0.000
0.6166	-3.445	-0.698	-0.064	-0.606	0.015
0.6333	-3.429	-0.698	-0.064	-0.606	0.015
0.6500	-3.413	-0.698	-0.064	-0.606	0.015
0.6666	-3.397	-0.698	-0.064	-0.606	0.015
0.6833	-3.381	-0.698	-0.064	-0.606	0.015
0.7000	-3.366	-0.698	-0.048	-0.606	0.015
0.7166	-3.347	-0.698	-0.064	-0.606	0.015
0.7333	-3.331	-0.698	-0.064	-0.606	0.015
0.7500	-3.315	-0.698	-0.064	-0.606	0.015
0.7666	-3.299	-0.698	-0.064	-0.606	0.015
0.7833	-3.283	-0.698	-0.048	-0.606	0.015
0.8000	-3.268	-0.698	-0.048	-0.606	0.015
0.8166	-3.252	-0.698	-0.048	-0.606	0.000
0.8333	-3.233	-0.698	-0.064	-0.606	0.000
0.8500	-3.217	-0.698	-0.048	-0.606	0.015
0.8666	-3.201	-0.698	-0.064	-0.606	0.015
0.8833	-3.185	-0.698	-0.048	-0.606	0.015
0.9000	-3.170	-0.698	-0.064	-0.606	0.000
0.9166	-3.154	-0.698	-0.048	-0.606	0.015
0.9333	-3.138	-0.698	-0.048	-0.606	0.000
0.9500	-3.122	-0.698	-0.064	-0.606	0.015
0.9666	-3.106	-0.698	-0.048	-0.606	0.015
0.9833	-3.091	-0.698	-0.064	-0.606	0.015
1.0000	-3.072	-0.698	-0.064	-0.606	0.015
1.2000	-2.895	-0.698	-0.048	-0.606	0.015
1.4000	-2.746	-0.698	-0.064	-0.606	0.015
1.6000	-2.601	-0.698	-0.048	-0.606	0.000
1.8000	-2.456	-0.698	-0.048	-0.606	0.015
2.0000	-2.310	-0.698	-0.048	-0.606	0.000
2.2000	-2.174	-0.698	-0.048	-0.606	0.000
2.4000	-2.026	-0.698	-0.048	-0.606	0.015
2.6000	-1.858	-0.698	-0.048	-0.606	0.015
2.8000	-1.710	-0.698	-0.048	-0.606	0.015
3.0000	-1.586	-0.698	-0.048	-0.606	0.015
3.2000	-1.492	-0.698	-0.064	-0.606	0.015
3.4000	-1.403	-0.698	-0.048	-0.606	0.015
3.6000	-1.327	-0.691	-0.048	-0.606	0.015
3.8000	-1.267	-0.691	-0.048	-0.606	0.015
4.0000	-1.217	-0.698	-0.048	-0.606	0.000

4.2000	-1.176	-0.698	-0.048	-0.606	0.000
4.4000	-1.138	-0.698	-0.048	-0.606	0.000
4.6000	-1.100	-0.691	-0.048	-0.606	0.015
4.8000	-1.068	-0.691	-0.048	-0.606	0.015
5.0000	-1.036	-0.698	-0.048	-0.606	0.015
5.2000	-1.008	-0.691	-0.048	-0.606	0.015
5.4000	-0.983	-0.691	-0.048	-0.606	0.015
5.6000	-0.961	-0.691	-0.048	-0.606	0.000
5.8000	-0.938	-0.691	-0.048	-0.606	0.015
6.0000	-0.919	-0.691	-0.048	-0.606	0.015
6.2000	-0.904	-0.691	-0.048	-0.606	0.015
6.4000	-0.888	-0.691	-0.048	-0.606	0.015
6.6000	-0.872	-0.691	-0.048	-0.606	0.015
6.8000	-0.859	-0.691	-0.048	-0.606	0.000
7.0000	-0.847	-0.691	-0.048	-0.606	0.015
7.2000	-0.837	-0.691	-0.048	-0.606	0.015
7.4000	-0.825	-0.691	-0.048	-0.606	0.015
7.6000	-0.818	-0.691	-0.048	-0.606	0.015
7.8000	-0.809	-0.691	-0.048	-0.606	0.015
8.0000	-0.799	-0.691	-0.048	-0.606	0.015
8.2000	-0.793	-0.691	-0.048	-0.606	0.015
8.4000	-0.787	-0.691	-0.048	-0.606	0.015
8.6000	-0.780	-0.691	-0.048	-0.606	0.015
8.8000	-0.774	-0.691	-0.048	-0.606	0.015
9.0000	-0.771	-0.691	-0.048	-0.606	0.015
9.2000	-0.768	-0.691	-0.048	-0.606	0.015
9.4000	-0.761	-0.691	-0.048	-0.606	0.015
9.6000	-0.758	-0.691	-0.048	-0.606	0.015
9.8000	-0.755	-0.691	-0.048	-0.606	0.015
10.0000	-0.752	-0.691	-0.048	-0.622	0.000
12.0000	-0.736	-0.698	-0.064	-0.638	-0.015
14.0000	-0.730	-0.698	-0.080	-0.638	-0.015
16.0000	-0.723	-0.691	-0.080	-0.638	-0.015
18.0000	-0.720	-0.691	-0.080	-0.638	-0.015
20.0000	-0.717	-0.691	-0.080	-0.638	-0.015
22.0000	-0.714	-0.685	-0.080	-0.638	-0.015
24.0000	-0.711	-0.685	-0.080	-0.638	-0.015
26.0000	-0.711	-0.685	-0.080	-0.638	0.000
28.0000	-0.708	-0.685	-0.080	-0.638	-0.015
30.0000	-0.708	-0.679	-0.080	-0.638	-0.015
32.0000	-0.705	-0.679	-0.064	-0.638	-0.015
34.0000	-0.705	-0.679	-0.080	-0.638	-0.015
36.0000	-0.705	-0.679	-0.080	-0.638	-0.015
38.0000	-0.701	-0.679	-0.080	-0.638	-0.015
40.0000	-0.698	-0.672	-0.080	-0.638	-0.015
42.0000	-0.698	-0.672	-0.080	-0.638	-0.015
44.0000	-0.695	-0.672	-0.080	-0.638	-0.015
46.0000	-0.695	-0.672	-0.080	-0.638	-0.015
48.0000	-0.692	-0.666	-0.080	-0.638	-0.015
50.0000	-0.692	-0.666	-0.080	-0.638	-0.015
52.0000	-0.692	-0.666	-0.080	-0.638	-0.015
54.0000	-0.689	-0.666	-0.080	-0.622	-0.015
56.0000	-0.686	-0.660	-0.080	-0.622	-0.015
58.0000	-0.686	-0.660	-0.080	-0.638	-0.015
60.0000	-0.686	-0.660	-0.080	-0.638	-0.015
62.0000	-0.686	-0.660	-0.080	-0.622	-0.015
64.0000	-0.682	-0.660	-0.080	-0.622	-0.015
66.0000	-0.682	-0.660	-0.080	-0.638	-0.015
68.0000	-0.679	-0.653	-0.080	-0.622	-0.015
70.0000	-0.679	-0.660	-0.080	-0.622	-0.015

72.0000	-0.679	-0.653	-0.080	-0.622	-0.015
74.0000	-0.676	-0.653	-0.080	-0.622	-0.015
76.0000	-0.676	-0.653	-0.080	-0.622	-0.015
78.0000	-0.676	-0.653	-0.096	-0.622	-0.015
80.0000	-0.676	-0.647	-0.096	-0.622	-0.015
82.0000	-0.673	-0.653	-0.096	-0.622	-0.015
84.0000	-0.670	-0.647	-0.096	-0.622	-0.015
86.0000	-0.667	-0.647	-0.096	-0.622	-0.015
88.0000	-0.670	-0.647	-0.096	-0.622	-0.015
90.0000	-0.667	-0.647	-0.080	-0.622	-0.015
92.0000	-0.667	-0.647	-0.080	-0.622	-0.015
94.0000	-0.667	-0.647	-0.080	-0.622	-0.015
96.0000	-0.667	-0.647	-0.080	-0.622	-0.015
98.0000	-0.663	-0.641	-0.080	-0.622	-0.015
100.000	-0.663	-0.641	-0.080	-0.622	-0.015
120.000	-0.657	-0.634	-0.080	-0.622	-0.015
140.000	-0.651	-0.628	-0.080	-0.606	-0.015
160.000	-0.641	-0.615	-0.080	-0.606	-0.015
180.000	-0.635	-0.609	-0.080	-0.590	-0.015
200.000	-0.629	-0.603	-0.096	-0.590	-0.015
220.000	-0.616	-0.583	-0.080	-0.558	0.015
240.000	-0.613	-0.583	-0.080	-0.558	0.000
260.000	-0.610	-0.583	-0.096	-0.574	-0.015
280.000	-0.603	-0.583	-0.096	-0.574	-0.015
300.000	-0.597	-0.577	-0.112	-0.558	-0.015
320.000	-0.597	-0.571	-0.112	-0.558	-0.015
340.000	-0.594	-0.564	-0.112	-0.558	-0.015
360.000	-0.591	-0.564	-0.112	-0.558	-0.015
380.000	-0.581	-0.558	-0.112	-0.558	-0.015
400.000	-0.575	-0.552	-0.112	-0.542	-0.015
420.000	-0.575	-0.552	-0.112	-0.542	-0.015
440.000	-0.569	-0.545	-0.112	-0.542	-0.015
460.000	-0.565	-0.539	-0.112	-0.542	-0.015
480.000	-0.559	-0.533	-0.128	-0.526	-0.015
500.000	-0.553	-0.533	-0.128	-0.526	-0.015
520.000	-0.550	-0.526	-0.128	-0.526	-0.015
540.000	-0.546	-0.520	-0.128	-0.526	-0.015
560.000	-0.543	-0.520	-0.128	-0.510	-0.015
580.000	-0.543	-0.514	-0.144	-0.510	-0.015
600.000	-0.540	-0.514	-0.160	-0.510	-0.015
620.000	-0.537	-0.507	-0.160	-0.510	-0.015
640.000	-0.534	-0.507	-0.176	-0.494	-0.015
660.000	-0.527	-0.501	-0.176	-0.494	0.000
680.000	-0.527	-0.501	-0.176	-0.494	-0.015
700.000	-0.524	-0.495	-0.192	-0.494	-0.015
720.000	-0.521	-0.495	-0.192	-0.494	0.000
740.000	-0.518	-0.488	-0.192	-0.478	-0.015
760.000	-0.515	-0.488	-0.192	-0.478	-0.015
780.000	-0.512	-0.482	-0.192	-0.478	0.000
800.000	-0.509	-0.482	-0.192	-0.478	-0.015
820.000	-0.505	-0.476	-0.208	-0.478	-0.015
840.000	-0.505	-0.476	-0.208	-0.478	0.000
860.000	-0.502	-0.476	-0.192	-0.462	0.000
880.000	-0.499	-0.469	-0.192	-0.462	0.000
900.000	-0.496	-0.469	-0.192	-0.462	0.000
920.000	-0.493	-0.463	-0.192	-0.462	0.000
940.000	-0.493	-0.463	-0.176	-0.446	0.000
960.000	-0.486	-0.457	-0.192	-0.446	0.000
980.000	-0.486	-0.457	-0.192	-0.446	0.000
1000.00	-0.483	-0.450	-0.192	-0.446	0.000

1050.00	-0.477	-0.450	-0.208	-0.430	0.000
1100.00	-0.471	-0.444	-0.208	-0.430	0.000
1150.00	-0.464	-0.431	-0.208	-0.430	0.000
1200.00	-0.458	-0.431	-0.224	-0.430	0.000
1250.00	-0.455	-0.425	-0.240	-0.414	-0.015
1300.00	-0.455	-0.418	-0.240	-0.414	-0.015
1350.00	-0.448	-0.418	-0.240	-0.414	-0.015
1400.00	-0.439	-0.406	-0.224	-0.398	0.000
1450.00	-0.436	-0.399	-0.224	-0.398	-0.015
1500.00	-0.429	-0.399	-0.224	-0.398	0.000
1550.00	-0.423	-0.393	-0.224	-0.382	-0.015
1600.00	-0.417	-0.387	-0.208	-0.382	-0.015

END

SE1000C
Environmental Logger
05/02 14:16

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00018
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 0 04/25 15:00:01

Elapsed Time	INPUT 1
0.0000	-0.006
30.0000	0.018
60.0000	0.012
90.0000	0.006
120.000	-0.009
150.000	-0.009
180.000	-0.022
210.000	-0.012
240.000	-0.018
270.000	-0.009
300.000	-0.009
330.000	-0.003
360.000	-0.012
390.000	-0.022
420.000	-0.025
450.000	-0.022
480.000	-0.018
510.000	0.022
540.000	0.000
570.000	-0.003
600.000	0.003
630.000	-0.012
660.000	0.015
690.000	0.006
720.000	0.009
750.000	0.009
780.000	0.018
810.000	0.025
840.000	0.025
870.000	0.018
900.000	0.003
930.000	0.018
960.000	0.022
990.000	0.022
1020.00	0.025
1050.00	0.018
1080.00	0.025

Trend Data
Pump Test @ 2LPW15

A: NSBPT.TRN - Header file
A: NSBTRN.NUM - Numeric file

Rec Data

A: NSBPT.REC - Header File
A: NSBREC.NUM - Numeric File

DD Data

A: NSBPT.DD - Header File
A: NSBDD.NUM - Numeric

4-25 MON (15:00) > 24 HRS
4-26 TUE > 24 HRS
4-27 WED
4-28 THURS (10:00)

4020 MIN.

000051

1110.00	0.015
1140.00	0.018
1170.00	0.022
1200.00	0.028
1230.00	0.034
1260.00	0.034
1290.00	0.037
1320.00	0.034
1350.00	0.053
1380.00	0.056
1410.00	0.053
1440.00	0.063
1470.00	0.085
1500.00	0.078
1530.00	0.104
1560.00	0.107
1590.00	0.100
1620.00	0.091
1650.00	0.085
1680.00	0.082
1710.00	0.082
1740.00	0.072
1770.00	0.063
1800.00	0.069
1830.00	0.044
1860.00	0.047
1890.00	0.063
1920.00	0.050
1950.00	0.056
1980.00	0.069
2010.00	0.047
2040.00	0.059
2070.00	0.069
2100.00	0.075
2130.00	0.085
2160.00	0.100
2190.00	0.100
2220.00	0.107
2250.00	0.107
2280.00	0.113
2310.00	0.116
2340.00	0.113
2370.00	0.104
2400.00	0.085
2430.00	0.097
2460.00	0.088
2490.00	0.075
2520.00	0.091
2550.00	0.097
2580.00	0.104
2610.00	0.088
2640.00	0.107
2670.00	0.110
2700.00	0.094
2730.00	0.088
2760.00	0.091
2790.00	0.082
2820.00	0.072
2850.00	0.104
2880.00	0.122

2910.00	0.126
2940.00	0.146
2970.00	0.173
3000.00	0.163
3030.00	0.160
3060.00	0.138
3090.00	0.094
3120.00	0.119
3150.00	0.126
3180.00	0.113
3210.00	0.122
3240.00	0.094
3270.00	0.091
3300.00	0.075
3330.00	0.066
3360.00	0.069
3390.00	0.078
3420.00	0.082
3450.00	0.059
3480.00	0.050
3510.00	0.044
3540.00	0.040
3570.00	0.050
3600.00	0.056
3630.00	0.037
3660.00	0.022
3690.00	0.025
3720.00	-0.003
3750.00	-0.003
3780.00	-0.009
3810.00	-0.044
3840.00	-0.028
3870.00	-0.031
3900.00	-0.031
3930.00	-0.050
3960.00	-0.044
3990.00	-0.063
4020.00	-0.059
4050.00	-0.063
4080.00	-0.059
4110.00	-0.056
4140.00	-0.050
4170.00	-0.037
4200.00	-0.044
4230.00	-0.044
4260.00	-0.037
4290.00	-0.025
4320.00	-0.034
4350.00	-0.028
4380.00	-0.025
4410.00	-0.034
4440.00	-0.050
4470.00	-0.037
4500.00	-0.031
4530.00	-0.040
4560.00	-0.018
4590.00	-0.044
4620.00	-0.056
4650.00	-0.053
4680.00	-0.053

4710.00	-0.050
4740.00	-0.053
4770.00	-0.044
4800.00	-0.050
4830.00	-0.053
4860.00	-0.050
4890.00	-0.056
4920.00	-0.056
4950.00	-0.044
4980.00	-0.028
5010.00	-0.025
5040.00	-0.018
5070.00	-0.009
5100.00	-0.012
5130.00	-0.015
5160.00	-0.006
5190.00	-0.006
5220.00	0.003
5250.00	-0.015
5280.00	-0.009
5310.00	-0.009
5340.00	-0.006
5370.00	-0.006
5400.00	-0.003
5430.00	-0.003
5460.00	0.000
5490.00	0.009
5520.00	0.009
5550.00	0.012
5580.00	0.009
5610.00	0.009
5640.00	0.022
5670.00	0.003
5700.00	0.006
5730.00	0.006
5760.00	0.015
5790.00	0.031
5820.00	0.031
5850.00	0.040
5880.00	0.040
5910.00	0.031
5940.00	0.031
5970.00	0.040
6000.00	0.040
6030.00	0.031
6060.00	0.047
6090.00	0.047
6120.00	0.063
6150.00	0.063
6180.00	0.072
6210.00	0.063
6240.00	0.069
6270.00	0.085
6300.00	0.085
6330.00	0.107
6360.00	0.100
6390.00	0.107
6420.00	0.135
6450.00	0.129
6480.00	0.145

6510.00	0.122
6540.00	0.122
6570.00	0.138
6600.00	0.141
6630.00	0.138
6660.00	0.129
6690.00	0.113
6720.00	0.094
6750.00	0.078
6780.00	0.075
6810.00	0.082
6840.00	0.088
6870.00	0.085
6900.00	0.088
6930.00	0.094
6960.00	0.072
6990.00	0.063
7020.00	0.078
7050.00	0.078
7080.00	0.091
7110.00	0.069
7140.00	0.069
7170.00	0.069
7200.00	0.075
7230.00	0.059
7260.00	0.066
7290.00	0.066
7320.00	0.066
7350.00	0.063
7380.00	0.059
7410.00	0.059
7440.00	0.063
7470.00	0.059
7500.00	0.053
7530.00	0.053
7560.00	0.056
7590.00	0.056
7620.00	0.063
7650.00	0.056
7680.00	0.053
7710.00	0.050
7740.00	0.063
7770.00	0.072
7800.00	0.097
7830.00	0.094
7860.00	0.113
7890.00	0.097
7920.00	0.104
7950.00	0.113
7980.00	0.135
8010.00	0.132
8040.00	0.141
8070.00	0.119
8100.00	0.119
8130.00	0.119
8160.00	0.107
8190.00	0.129
8220.00	0.110
8250.00	0.116
8280.00	0.094

8310.00	0.094
8340.00	0.110
8370.00	0.104
8400.00	0.097
8430.00	0.145
8460.00	0.119
8490.00	0.116
8520.00	0.129
8550.00	0.116
8580.00	0.104
8610.00	0.122
8640.00	0.116
8670.00	0.116
8700.00	0.107
8730.00	0.097
8760.00	0.082
8790.00	0.075
8820.00	0.075
8850.00	0.053
8880.00	0.078
8910.00	0.063
8940.00	0.028
8970.00	0.015
9000.00	0.012
9030.00	0.015
9060.00	0.006
9090.00	0.000
9120.00	-0.015
9150.00	-0.025
9180.00	-0.028
9210.00	-0.028
9240.00	-0.034
9270.00	-0.028
9300.00	-0.018
9330.00	-0.009
9360.00	-0.028
9390.00	-0.037
9420.00	-0.037
9450.00	-0.047
9480.00	-0.040
9510.00	-0.044
9540.00	-0.053
9570.00	-0.053
9600.00	-0.053
9630.00	-0.047
9660.00	-0.044
9690.00	-0.047
9720.00	-0.037
9750.00	-0.037
9780.00	-0.025
9810.00	-0.025
9840.00	-0.037
9870.00	-0.028
9900.00	-0.025
9930.00	-0.015
9960.00	-0.006

END

APPENDIX C.3

MONTHLY HYDROGRAPHS

NORTHEAST
REGIONAL
CLIMATE
CENTER

1123 Bradfield Hall
Cornell University
Ithaca, NY 14853-1901

Phone: (607) 255-1751
Fax: (607) 255-2106

Internet mail: nrcc@cornell.edu

Date: February 24, 1995

To: Bert Hubbard
Brown & Root Environmental
661 Anderson Drive
Pittsburgh, PA 15220

From: Kathryn Vreeland
Assistant Climatologist

The enclosed information is being sent in response to your recent request for climate data. A bill is enclosed to cover the cost of these data. Please return the bottom portion of the bill with your payment. If you have any questions or need additional data, you can contact our office at the address or phone numbers listed above.

DAILY PRECIPITATION (INCHES) FOR GROTON
YEAR: 1994

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	0.06	0.00	0.08	0.02	Tr	0.00	0.00	Tr	0.16	0.28	0.00
2	Tr	0.00	0.15	0.00	0.00	0.00	0.00	Tr	0.00	0.00	0.02	0.00
3	0.17	Tr	0.85	Tr	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
4	0.86	0.00	0.00	Tr	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Tr	0.00	0.00	0.00	0.32	0.00	0.00	0.78	0.00	0.00	0.00	1.21
6	Tr	0.00	0.00	0.21	0.15	0.75	Tr	0.04	0.00	0.00	0.16	0.00
7	0.42	0.00	Tr	0.09	Tr	0.00	0.00	0.00	0.00	0.00	0.00	0.10
8	0.56	0.30	0.42	0.00	0.36	0.00	0.10	0.00	0.00	0.00	0.00	0.00
9	0.00	0.63	0.30	0.00	0.00	0.00	0.00	0.00	0.19	Tr	0.02	0.13
10	0.00	0.00	2.43	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.75
11	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
12	0.20	Tr	0.00	0.23	Tr	Tr	0.00	0.38	0.00	0.00	0.00	0.00
13	0.00	Tr	0.00	0.80	0.00	0.04	0.00	0.46	0.00	0.00	0.00	0.00
14	0.02	Tr	0.00	0.00	0.00	0.07	Tr	0.46	0.29	0.00	0.00	Tr
15	Tr	0.00	0.11	0.00	Tr	0.35	0.35	0.16	0.00	0.00	0.00	0.00
16	0.00	0.00	Tr	0.04	0.52	0.00	0.00	0.00	Tr	0.00	0.00	0.00
17	0.30	0.00	Tr	Tr	0.12	0.00	0.00	Tr	Tr	0.00	0.00	0.45
18	1.17	0.00	0.17	0.00	Tr	0.00	0.05	1.18	0.81	Tr	1.13	0.23
19	0.00	0.00	0.00	0.12	0.03	0.00	0.00	0.07	0.00	0.20	0.92	0.00
20	0.00	0.00	0.00	0.00	Tr	0.00	0.00	0.00	0.00	0.09	0.00	0.00
21	0.00	0.16	0.05	0.00	0.00	0.02	0.00	2.58	0.00	0.00	0.28	0.00
22	0.00	0.00	1.14	0.00	0.00	0.06	0.00	0.45	0.17	0.00	0.11	0.00
23	Tr	0.25	0.00	0.00	0.20	0.00	0.20	0.00	1.82	0.70	Tr	0.78
24	0.00	0.24	0.00	0.00	0.00	Tr	0.00	0.00	0.13	0.00	0.00	1.28
25	0.00	0.00	Tr	0.05	0.72	0.02	0.00	0.00	0.00	0.00	0.00	0.00
26	0.20	0.50	0.00	0.00	0.04	0.00	Tr	0.00	Tr	0.00	0.00	0.00
27	Tr	0.00	0.76	0.07	0.00	Tr	Tr	0.00	0.58	0.00	0.09	0.00
28	1.06	0.00	0.60	0.00	0.00	0.00	0.15	0.00	Tr	0.00	1.90	0.00
29	0.00		0.70	Tr	0.00	0.22	0.00	0.37	0.00	0.00	0.00	0.00
30	0.00		Tr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00		0.00		0.00		0.00	0.00		0.00		0.04
TOTAL	4.96	3.09	7.68	2.17	2.51	1.53	0.85	6.95	3.99	1.15	5.49	5.19

---- = missing data
Tr = a trace

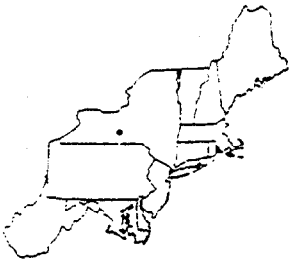
This report was prepared by the Northeast Regional Climate Center.

NORTHEAST
REGIONAL
CLIMATE
CENTER

1123 Bradfield Hall
Cornell University
Ithaca, NY 14853-1901

Phone: (607) 255-1751
Fax: (607) 255-2106

Internet mail: nrcc@cornell.edu



Date: January 5, 1996

To: Corey Rich
Brown & Root Environmental
Foster Plaza 7
661 Andersen Drive
Pittsburgh, PA 15220

From: Kathryn Vreeland
Assistant Climatologist

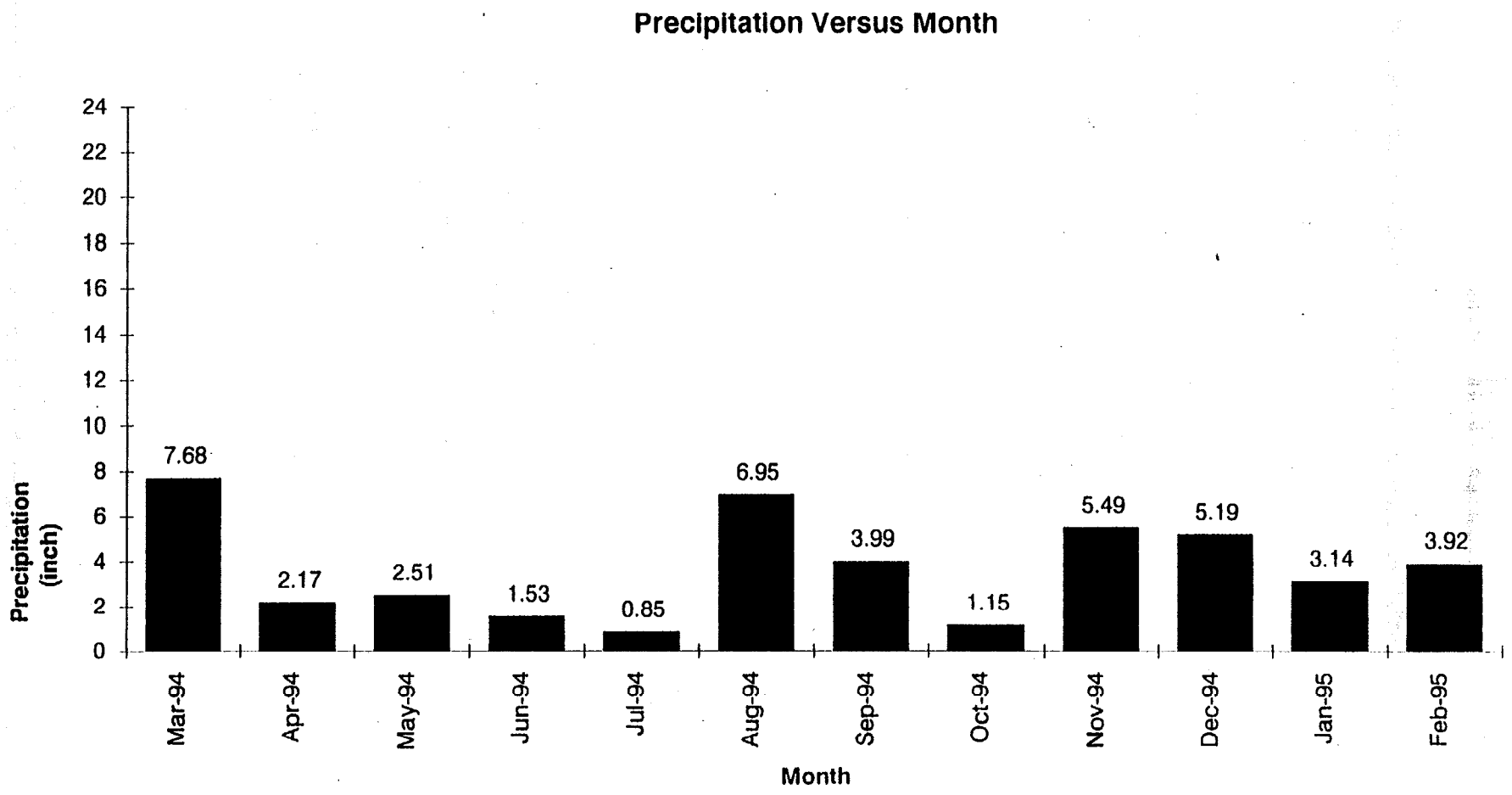
The enclosed information is being sent in response to your recent request for climate data. A bill is enclosed to cover the cost of these data. Please return the bottom portion of the bill with your payment. If you have any questions or need additional data, you can contact our office at the address or phone numbers listed above.

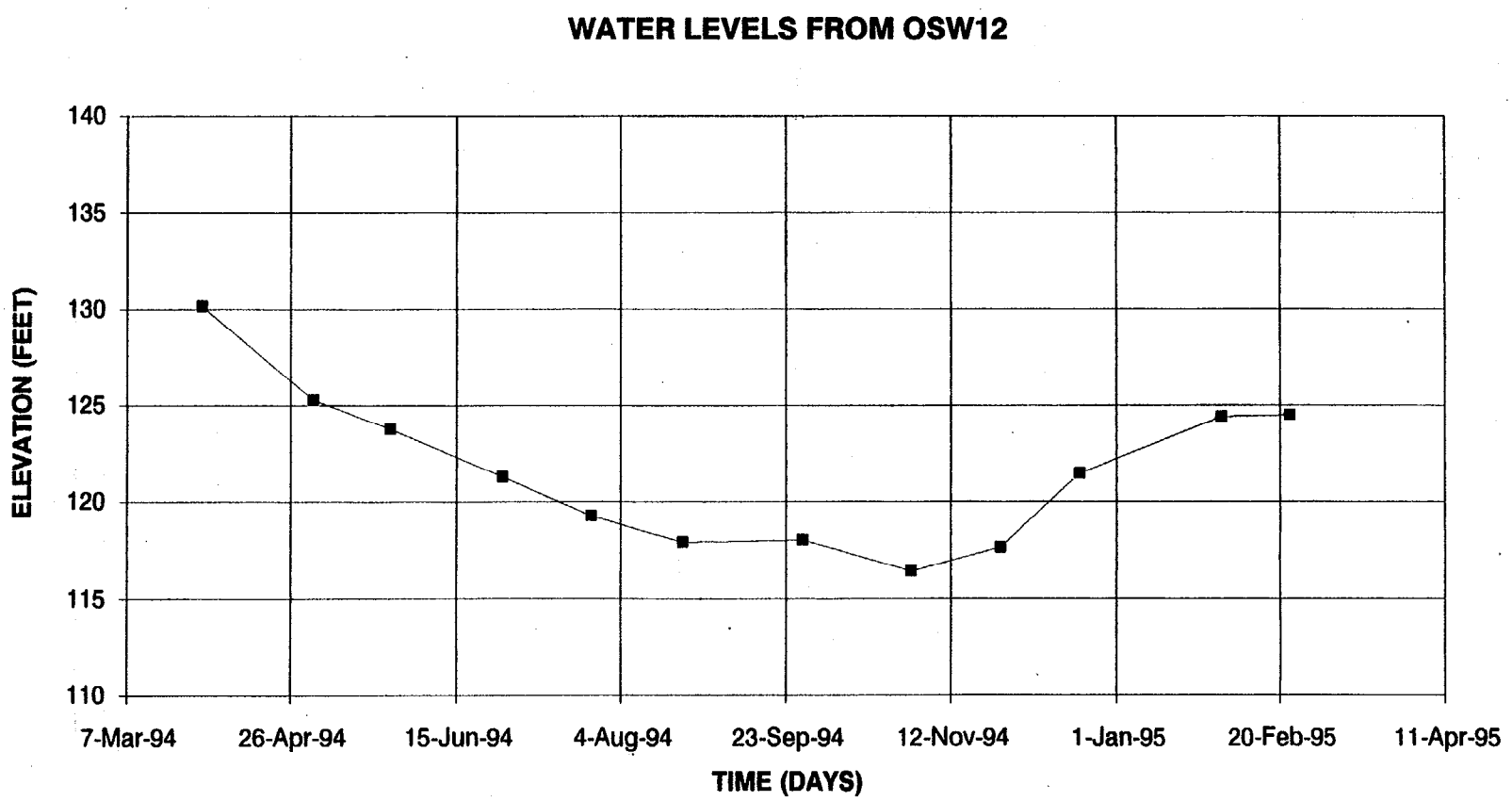
DAILY PRECIPITATION (INCHES) FOR GROTON
YEAR: 1995

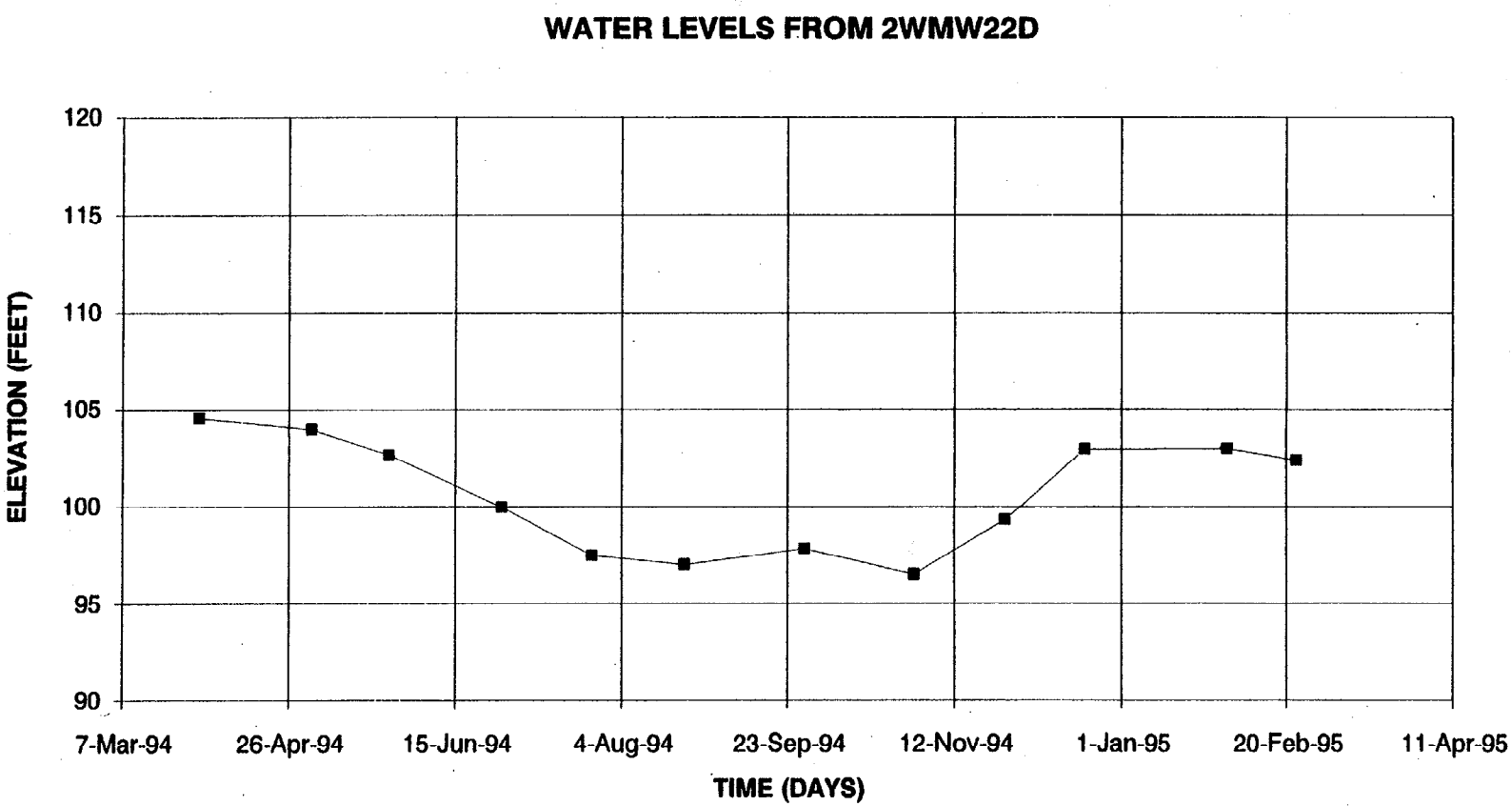
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.53	0.00	0.00	0.00	0.70	0.00	Tr	0.00	0.00	0.00	0.02	----
2	0.13	0.00	0.00	0.00	Tr	0.00	0.01	0.00	0.00	0.00	0.79	----
3	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.03	----
4	0.02	0.95	0.00	Tr	0.00	0.06	0.00	0.55	0.00	Tr	0.03	----
5	0.00	Tr	Tr	0.00	Tr	0.00	0.00	0.65	Tr	1.00	0.00	----
6	0.12	0.00	0.00	0.00	0.00	Tr	0.00	0.46	0.00	1.71	0.00	----
7	0.62	0.00	Tr	0.06	0.00	1.09	0.00	0.01	0.00	0.09	1.13	----
8	0.00	0.00	0.02	0.35	0.00	Tr	Tr	0.00	0.00	0.00	0.00	----
9	0.00	0.00	0.80	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	----
10	0.00	0.00	0.00	0.45	0.27	0.00	0.00	0.00	0.00	0.00	0.00	----
11	0.15	0.00	0.00	0.00	1.40	0.06	Tr	0.00	0.00	0.00	0.06	----
12	0.29	0.00	0.00	0.12	0.20	0.55	0.00	0.00	0.00	0.00	0.55	----
13	0.00	0.00	0.00	0.64	0.01	0.32	0.00	0.00	0.06	0.00	Tr	----
14	0.01	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.22	Tr	0.55	----
15	0.08	0.50	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.57	0.26	----
16	0.16	0.48	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	----
17	0.01	0.00	0.15	0.00	0.66	0.00	Tr	0.00	3.43	0.00	0.00	----
18	0.01	0.00	0.00	0.00	Tr	0.00	2.01	0.00	0.00	0.00	0.06	----
19	0.00	0.00	0.00	1.06	0.32	0.00	0.00	0.00	0.00	0.00	0.25	----
20	0.82	0.00	0.00	0.00	0.00	Tr	0.00	0.00	0.00	0.20	0.00	----
21	0.02	Tr	0.98	0.20	0.00	0.00	0.01	0.00	0.00	1.45	Tr	----
22	0.02	0.02	0.06	Tr	0.00	0.00	0.00	0.00	0.66	0.00	0.00	----
23	0.15	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	Tr	----
24	Tr	0.21	0.00	0.01	0.00	Tr	0.00	0.00	0.00	0.00	Tr	----
25	Tr	0.00	0.00	0.00	0.04	0.21	Tr	0.00	0.02	0.00	0.00	----
26	0.00	0.00	0.00	0.00	Tr	0.05	0.00	0.00	0.45	0.00	0.00	----
27	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	Tr	0.00	0.00	----
28	0.00	1.55	0.00	Tr	Tr	0.00	0.43	0.00	0.00	0.92	0.00	----
29	0.00		0.00	Tr	0.53	0.00	0.14	0.00	0.00	0.00	0.23	----
30	0.00		0.04	0.38	0.62	0.00	0.00	0.00	0.00	0.00	0.00	----
31	0.00		Tr		0.00		0.00	0.00		Tr		----
TOTAL	3.14	3.92	2.07	3.33	5.16	2.58	2.60	1.67	4.90	5.94	3.96	0.00

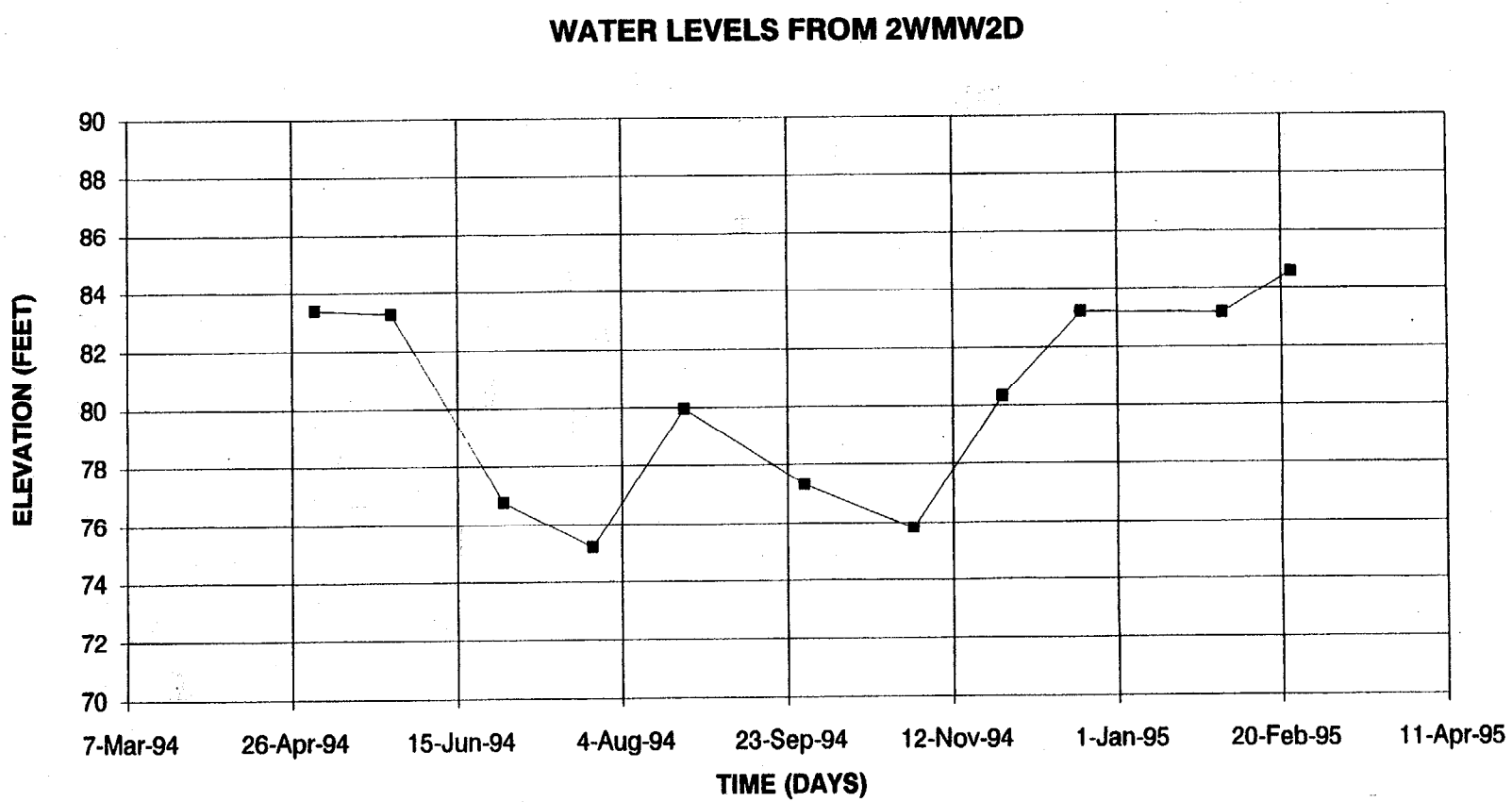
---- = missing data
Tr = a trace
A = accumulation over one or more previous days
S = value is included in a subsequent value

This report was prepared by the Northeast Regional Climate Center.

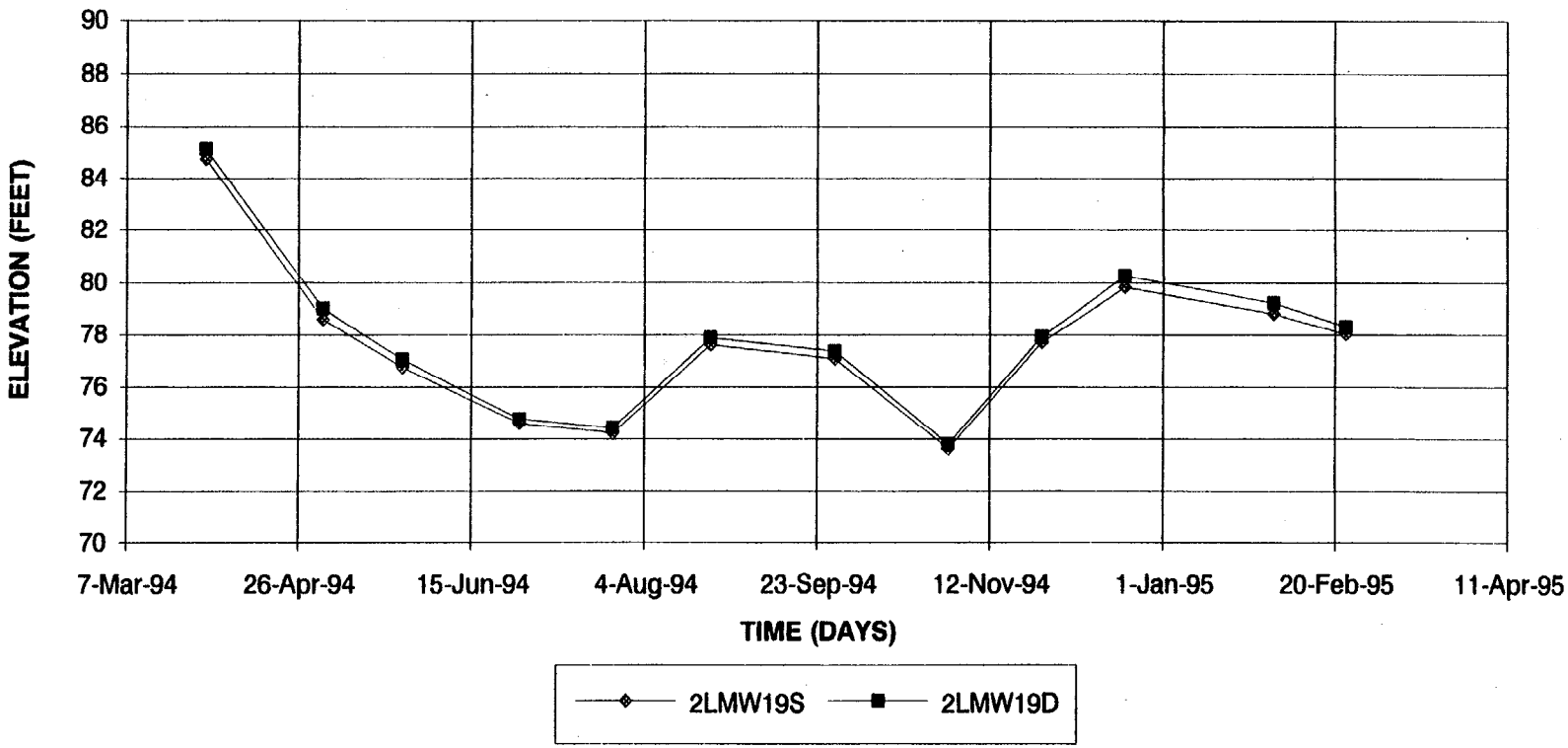

Precipitation Versus Month
Precipitation (inch)
24
22
20
18
16
14
12
10
8
6
4
2
0
7.68
2.17
2.51
1.53
0.85
6.95
3.99
1.15
5.49
5.19
3.14
3.92
Mar-94
Apr-94
May-94
Jun-94
Jul-94
Aug-94
Sep-94
Oct-94
Nov-94
Dec-94
Jan-95
Feb-95
Month

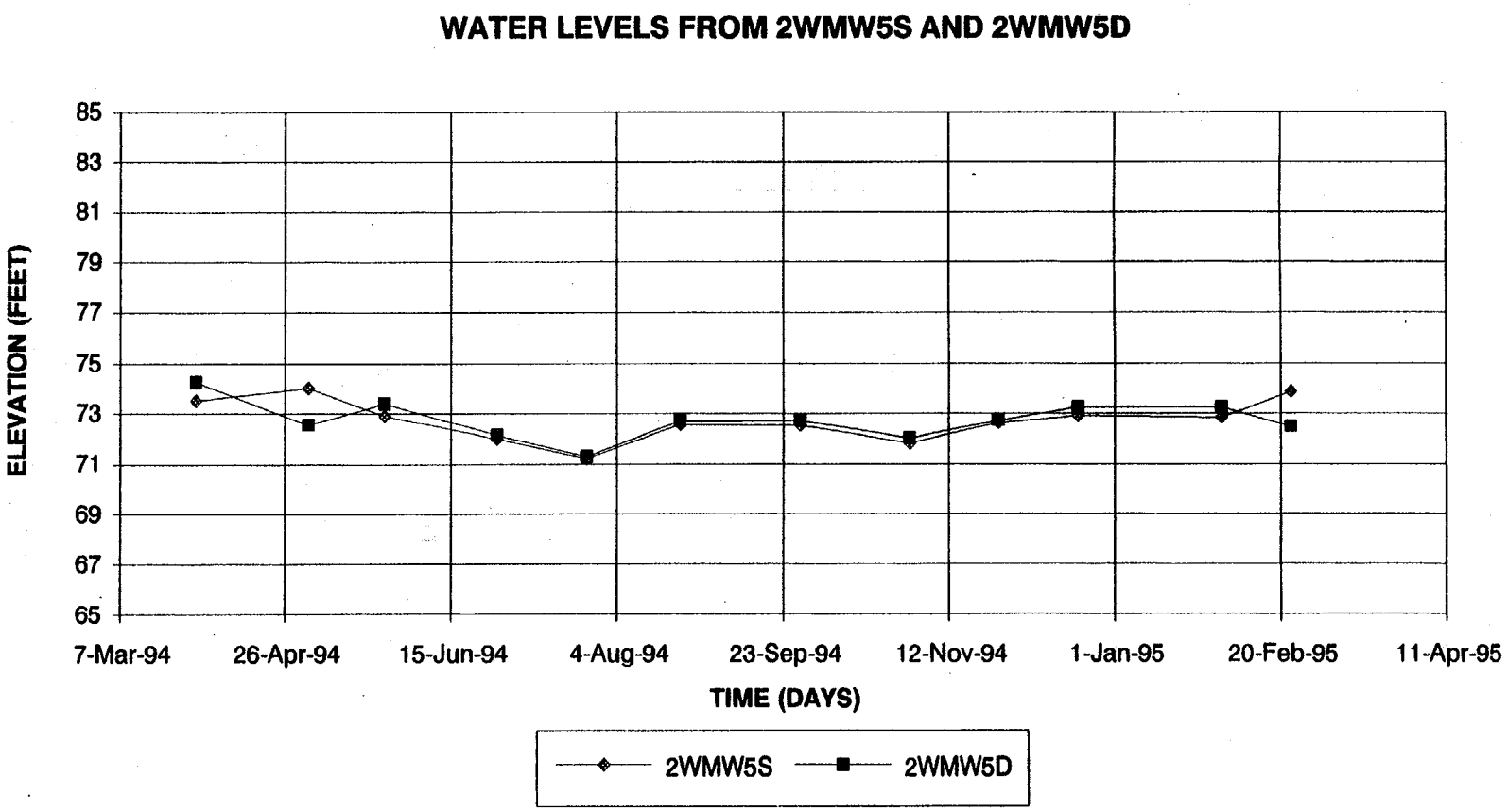

WATER LEVELS FROM OSW12
ELEVATION (FEET)
140
135
130
125
120
115
110
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)

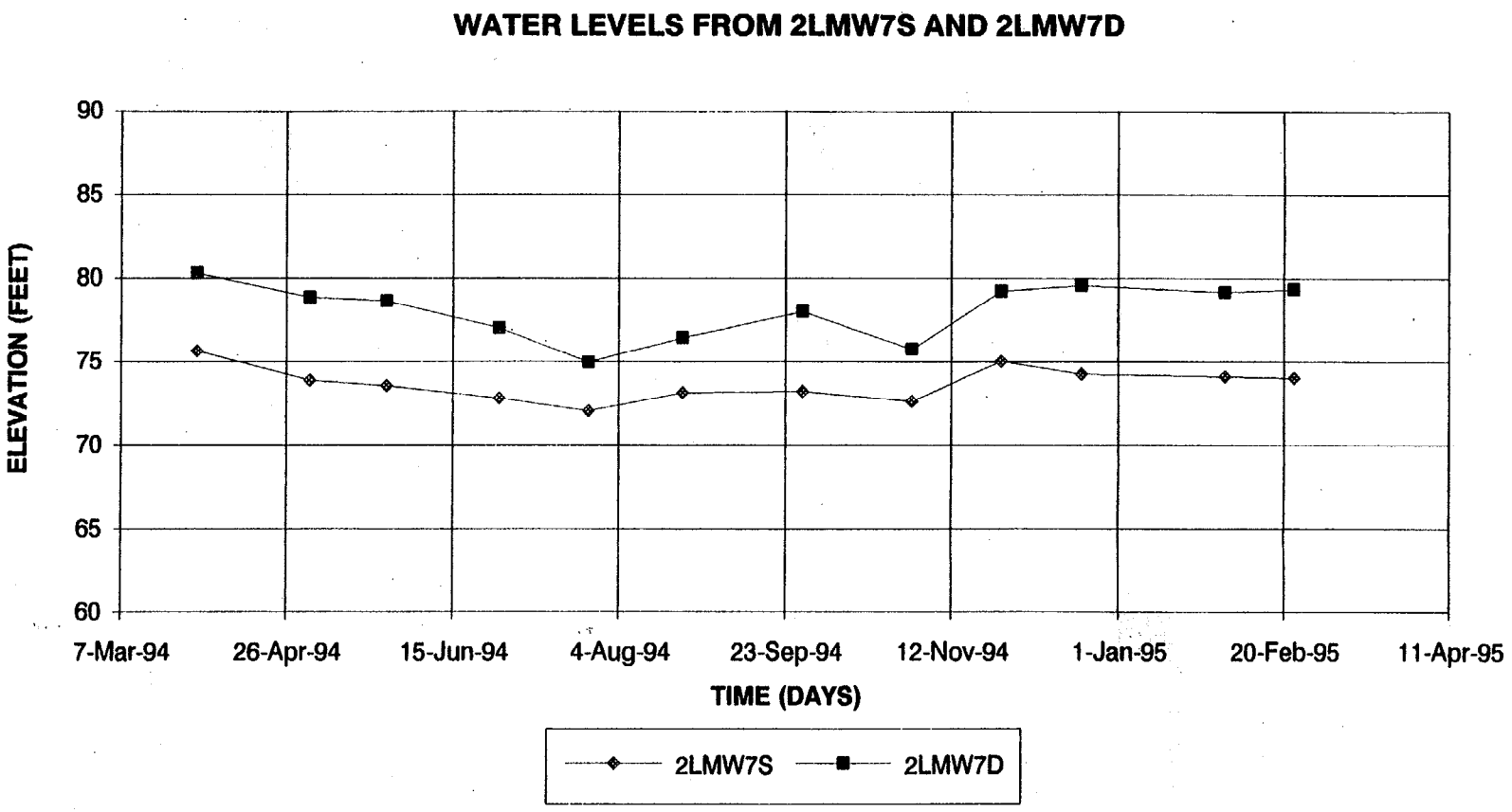

WATER LEVELS FROM 2WMW22D
ELEVATION (FEET)
120
115
110
105
100
95
90
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)

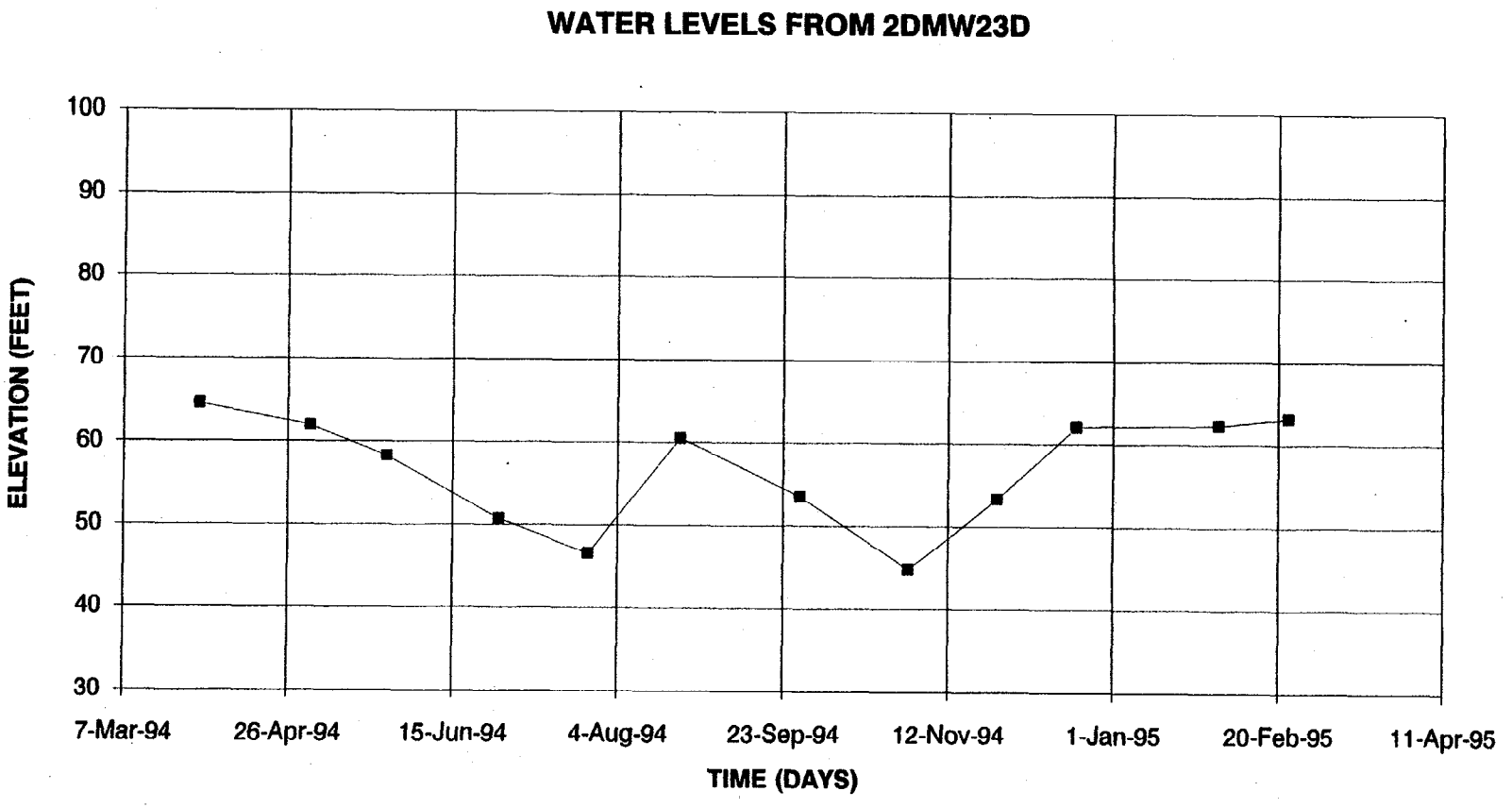

WATER LEVELS FROM 2WMW2D
ELEVATION (FEET)
90
88
86
84
82
80
78
76
74
72
70
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)

WATER LEVELS FROM 2LMW19S AND 2LMW19D

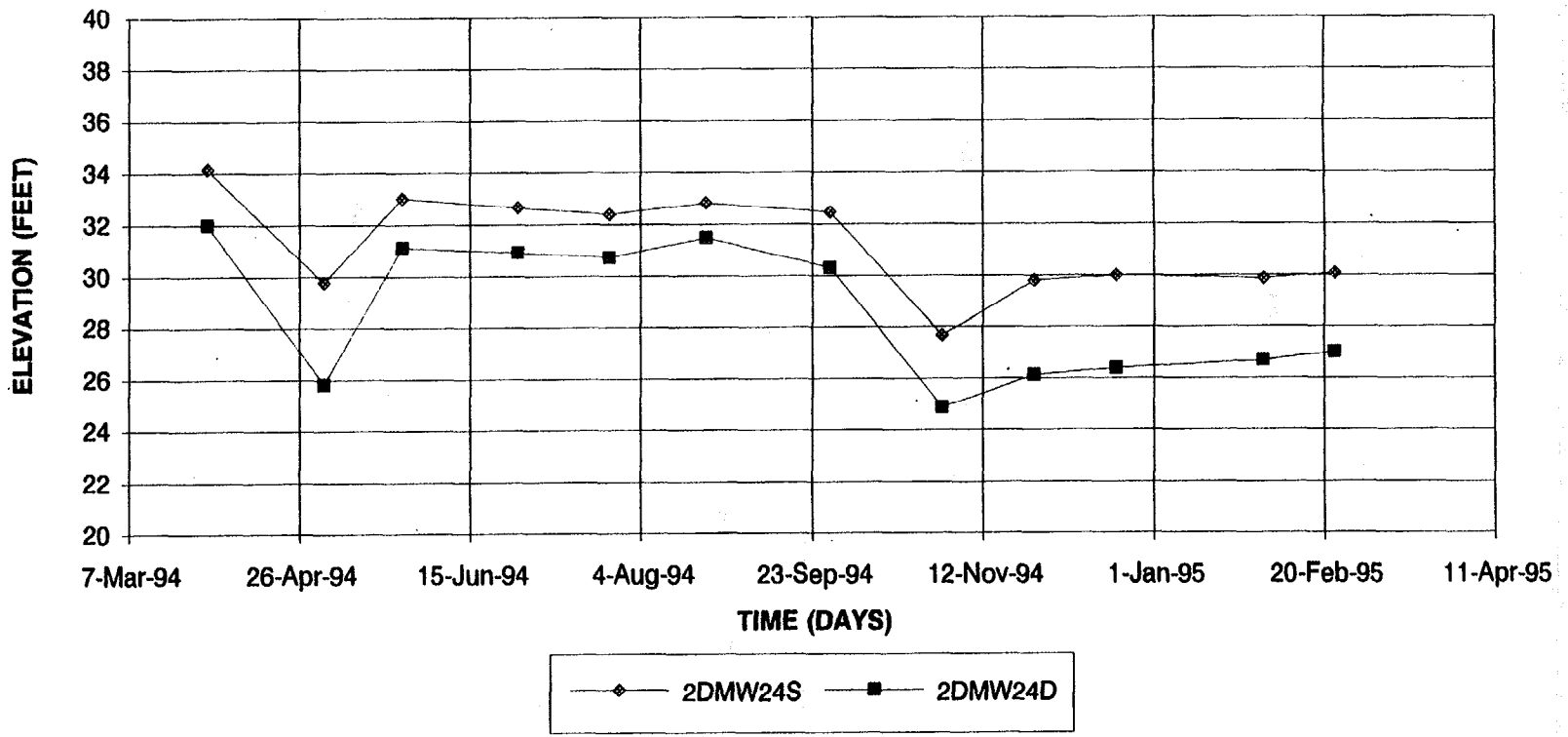


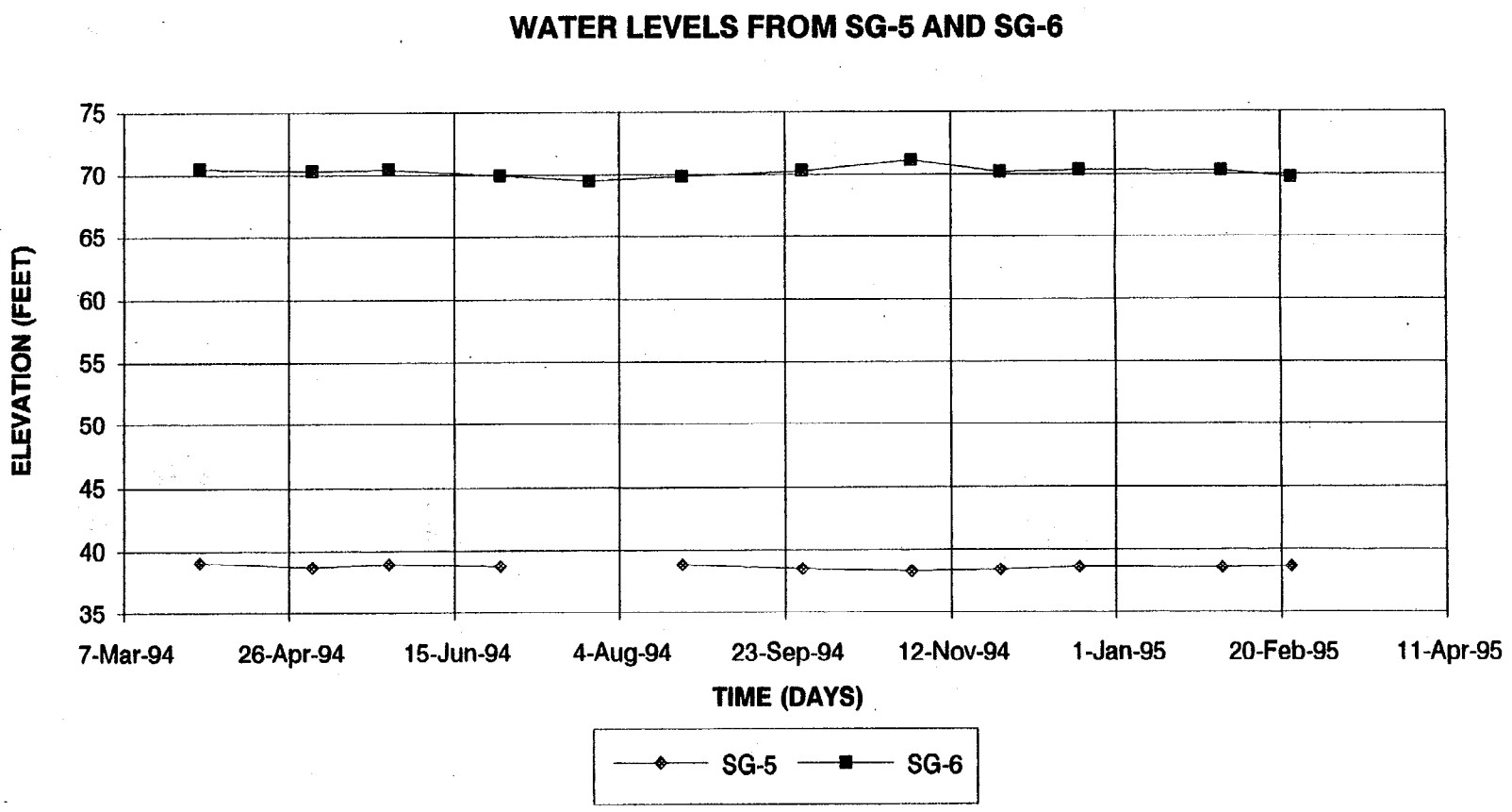

WATER LEVELS FROM 2WMW5S AND 2WMW5D
ELEVATION (FEET)
85
83
81
79
77
75
73
71
69
67
65
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)
2WMW5S
2WMW5D


WATER LEVELS FROM 2LMW7S AND 2LMW7D
ELEVATION (FEET)
90
85
80
75
70
65
60
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)
2LMW7S
2LMW7D

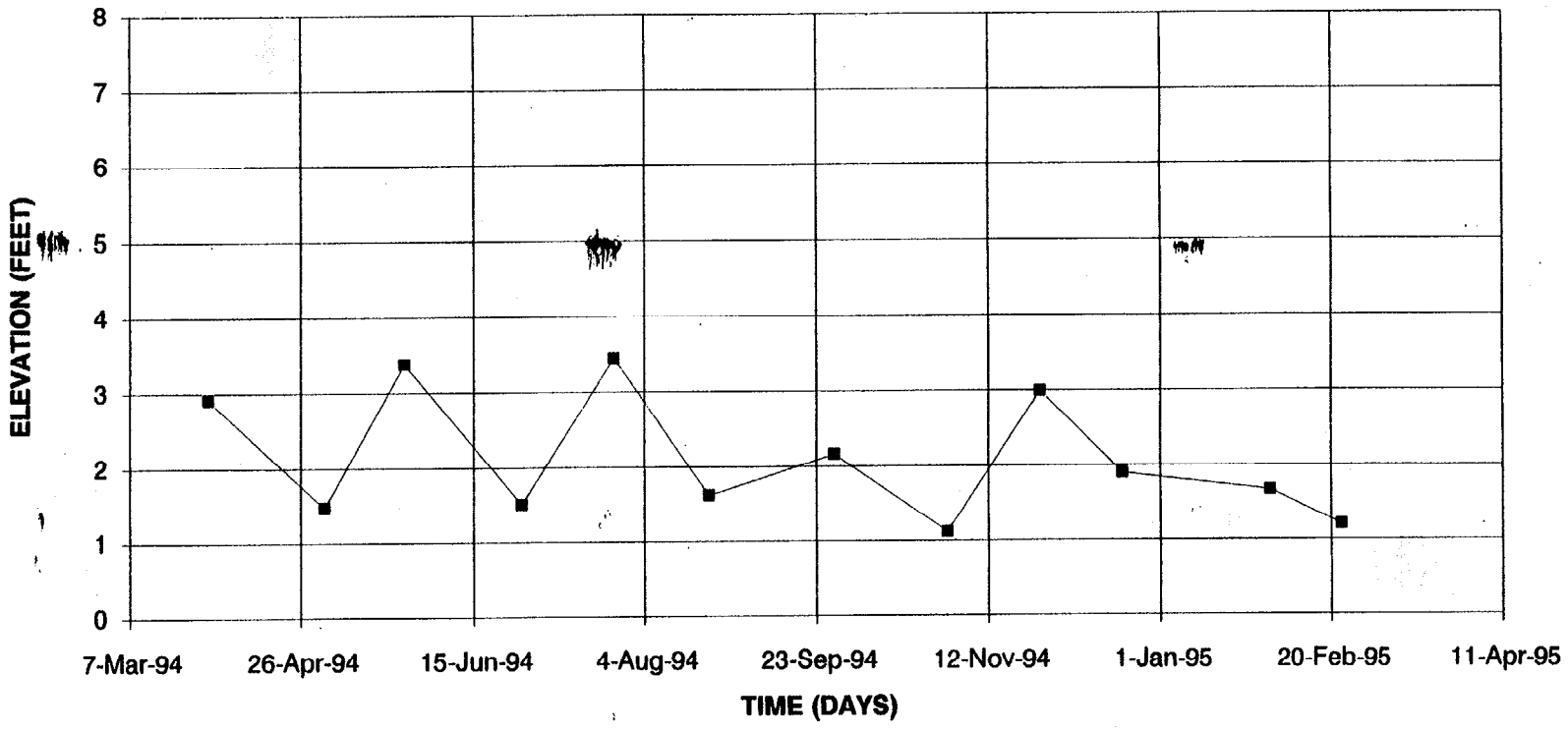

WATER LEVELS FROM 2DMW23D
ELEVATION (FEET)
100
90
80
70
60
50
40
30
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)

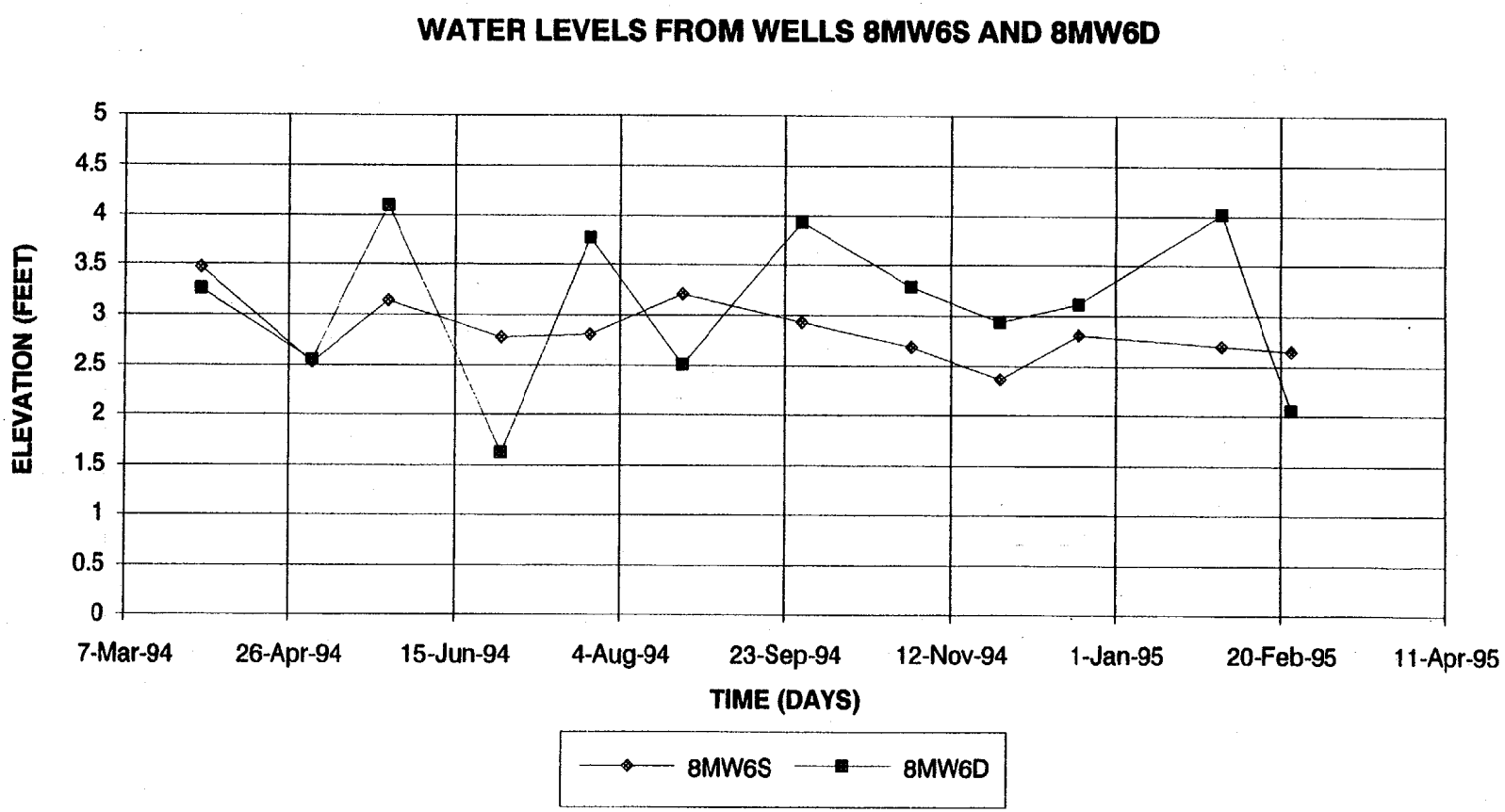
WATER LEVELS FROM 2DMW24S AND 2DMW24D



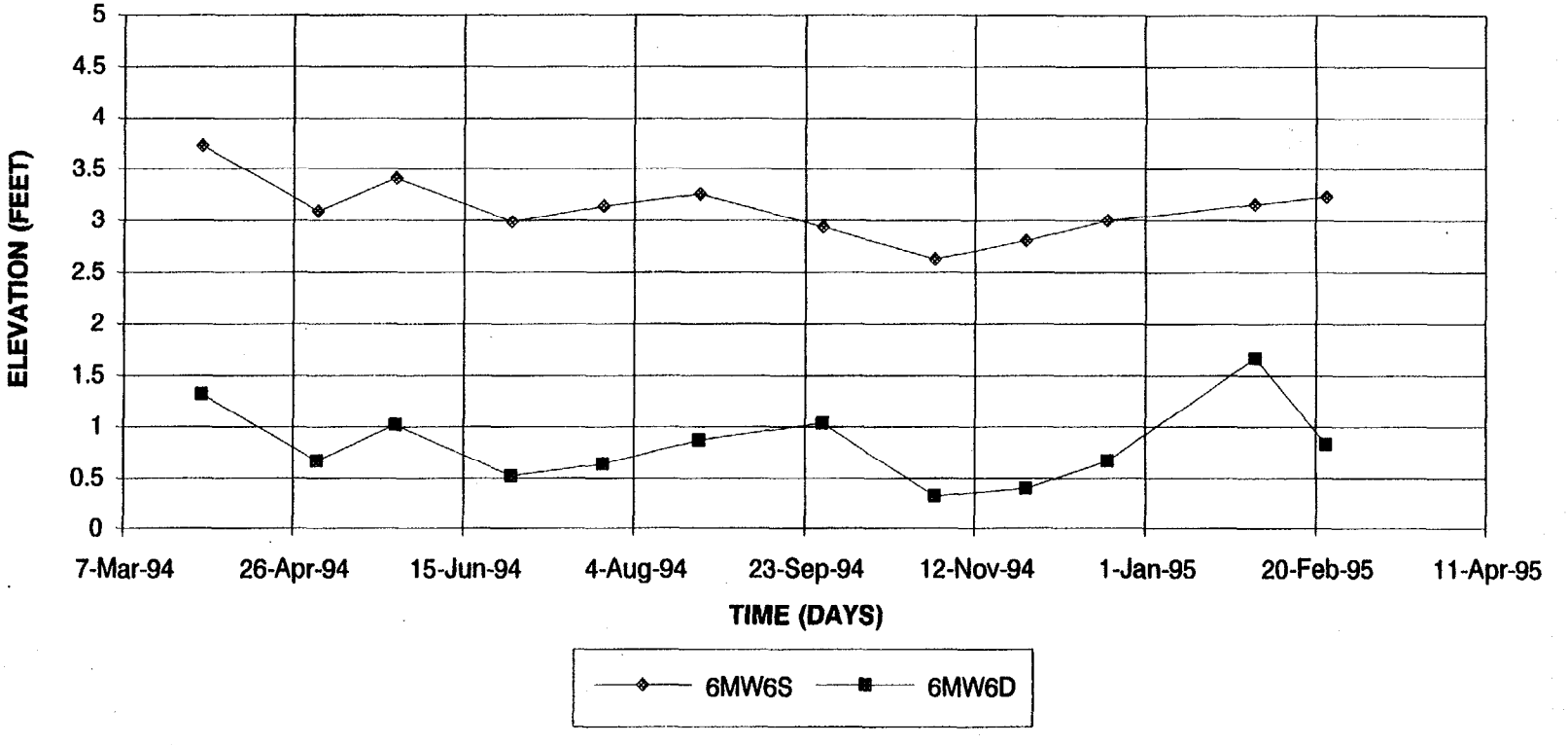

WATER LEVELS FROM SG-5 AND SG-6
ELEVATION (FEET)
75
70
65
60
55
50
45
40
35
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)
SG-5
SG-6

WATER LEVELS FROM 13MW8




WATER LEVELS FROM WELLS 8MW6S AND 8MW6D
ELEVATION (FEET)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
7-Mar-94
26-Apr-94
15-Jun-94
4-Aug-94
23-Sep-94
12-Nov-94
1-Jan-95
20-Feb-95
11-Apr-95
TIME (DAYS)
8MW6S
8MW6D

WATER LEVELS FROM 6MW6S AND 6MW6D

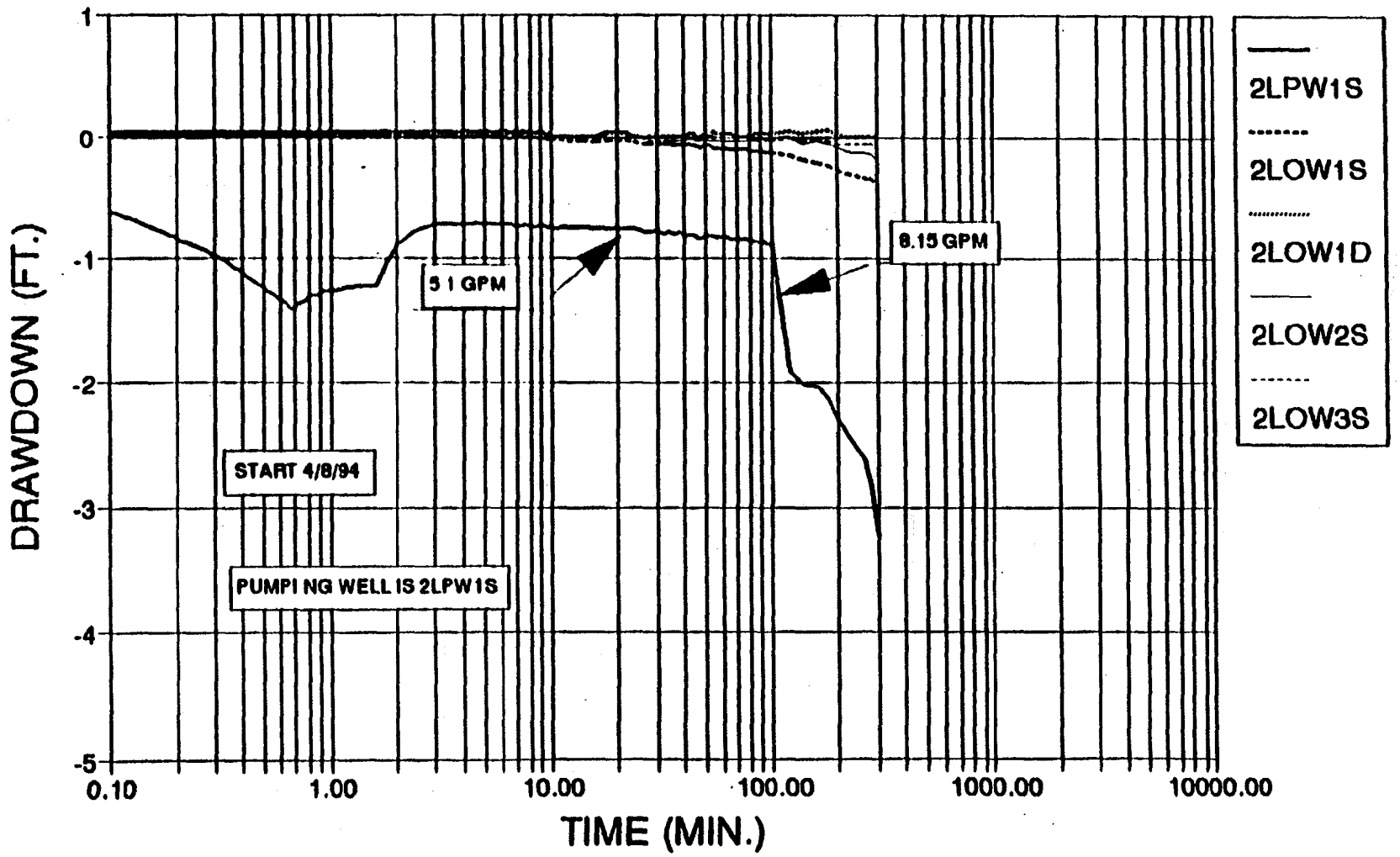


APPENDIX C.4

STEP DRAWDOWN TESTS

NSB NLON

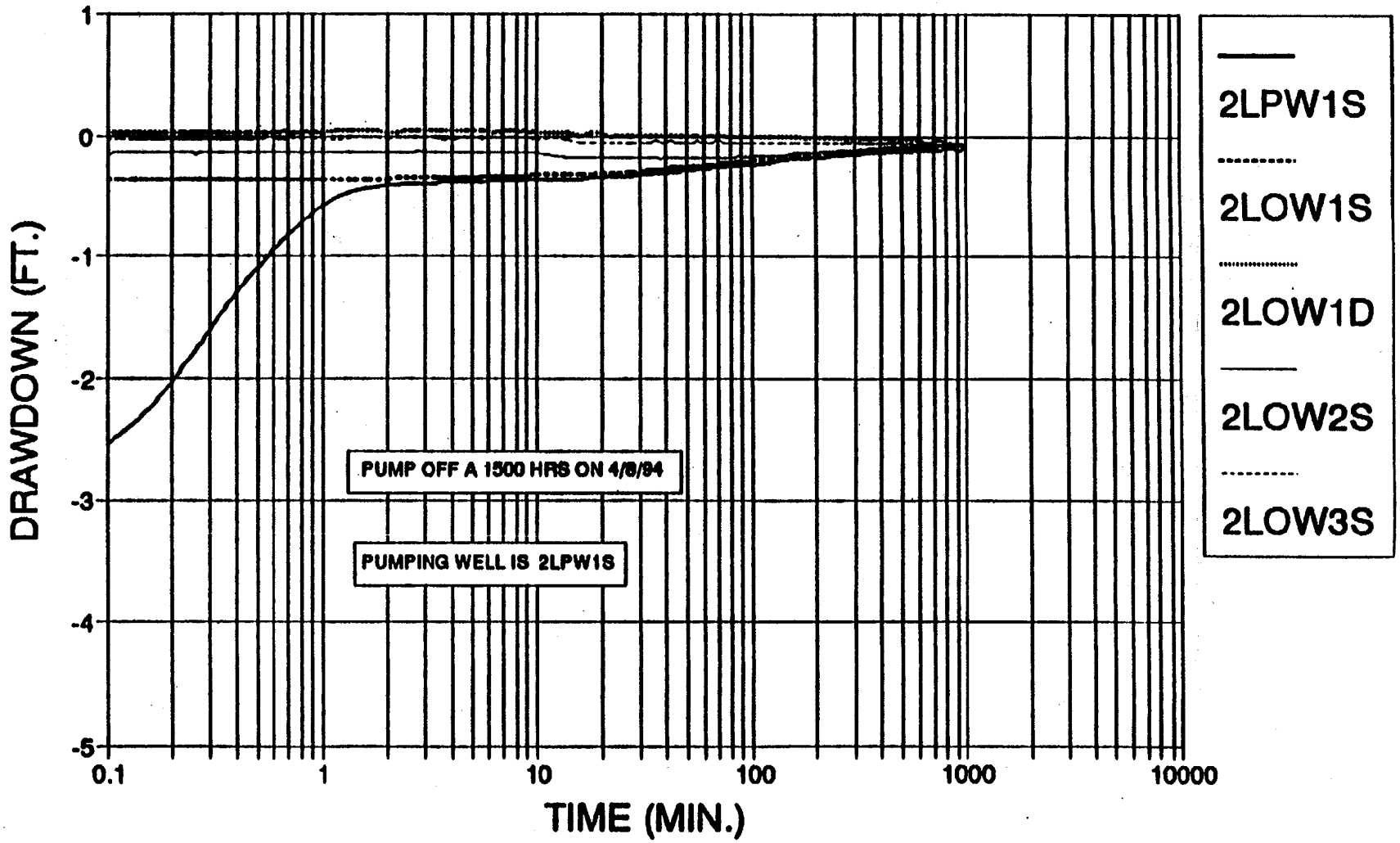
STEP DRAWDOWN TEST



000001

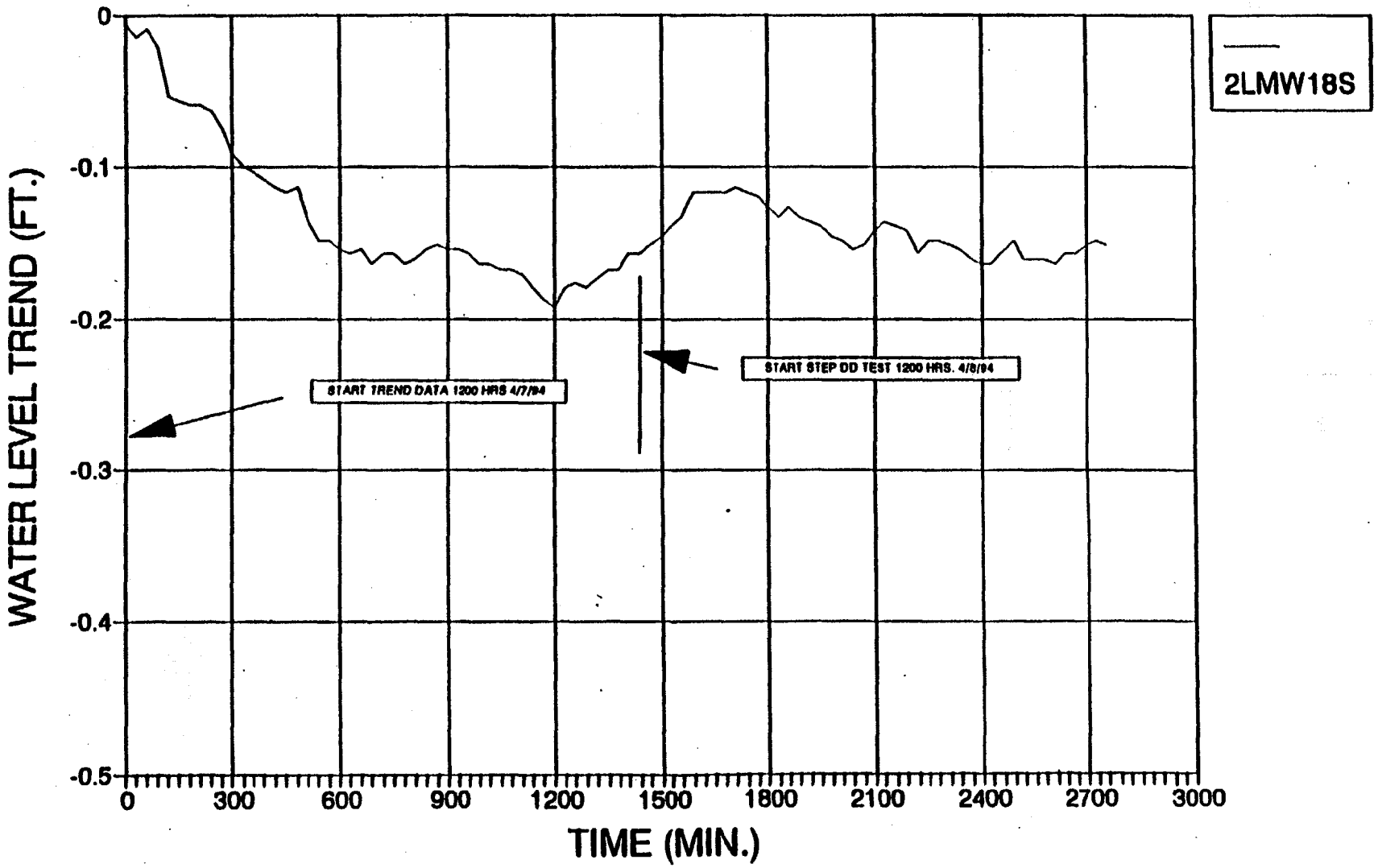
NSB NLON

STEP DRAWDOWN TEST RECOVERY



000002

NSB NLON
TREND DATA



000003

RE2000 Impact
Environmental

04/05 17:00

Unit# 422 Test 0

HEADER FILE
A: PWIS.DD

NUM.FILE DD
A: PWIS.NUM

Return:	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
Type	Level (F)	Level (F)	Level (F)	Level (F)	Level (F)
Mode	Surface	Surface	Surface	Surface	Surface
I.D.	2LPW1S	2LOW1S	2LOW1D	2LOW2S	2LOW3S
Reference	0.000	0.000	0.000	0.000	0.000
SG	1.000	1.000	1.000	1.000	1.000
Linearity	0.027	0.122	0.114	0.113	0.073
Scale factor	10.020	20.114	50.764	50.617	50.316
Offset	-0.012	0.002	-0.025	-0.142	-0.104
Delay mSEC	50.000	50.000	50.000	50.000	50.000

Step 0 04/05 12:00:00

Elapsed Time	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
0.0000 5.1 Gam	-0.079	0.006	0.032	0.047	0.000
0.0083	-0.167	0.006	0.032	0.047	-0.015
0.0166	-0.253	0.006	0.032	0.047	-0.015
0.0250	-0.341	0.006	0.032	0.047	-0.015
0.0333	-0.414	0.006	0.032	0.047	-0.015
0.0416	-0.464	0.006	0.032	0.047	0.000
0.0500	-0.480	0.006	0.032	0.047	-0.015
0.0583	-0.509	0.006	0.032	0.047	-0.015
0.0666	-0.537	0.006	0.032	0.047	-0.015
0.0750	-0.565	0.006	0.032	0.047	-0.015
0.0833	-0.584	0.006	0.032	0.047	-0.015
0.0916	-0.600	0.006	0.032	0.047	-0.015
0.1000	-0.616	0.006	0.032	0.047	-0.015
0.1083	-0.635	0.006	0.032	0.047	-0.015
0.1166	-0.654	0.006	0.032	0.047	-0.015
0.1250	-0.670	0.006	0.032	0.047	-0.015
0.1333	-0.692	0.006	0.032	0.047	-0.015
0.1416	-0.711	0.006	0.032	0.047	-0.015
0.1500	-0.730	0.006	0.032	0.047	-0.015
0.1583	-0.749	0.006	0.032	0.047	-0.015
0.1666	-0.768	0.006	0.032	0.047	-0.015
0.1750	-0.774	0.006	0.032	0.047	-0.015
0.1833	-0.799	0.006	0.032	0.047	-0.015
0.1916	-0.812	0.006	0.032	0.047	-0.015
0.2000	-0.825	0.006	0.032	0.047	-0.015
0.2083	-0.847	0.006	0.032	0.047	-0.015
0.2166	-0.860	0.006	0.032	0.047	0.000
0.2250	-0.863	0.006	0.032	0.047	-0.015
0.2333	-0.876	0.006	0.032	0.047	-0.015
0.2416	-0.888	0.006	0.032	0.047	-0.015
0.2500	-0.904	0.006	0.032	0.047	-0.015
0.2583	-0.913	0.006	0.032	0.047	-0.015
0.2666	-0.920	0.006	0.032	0.047	-0.015
0.2750	-0.935	0.006	0.032	0.047	-0.015
0.2833	-0.951	0.006	0.032	0.047	-0.015
0.2916	-0.961	0.006	0.032	0.047	-0.015

STEP DD TEST
DD DATA

161

0.3000	-0.973	0.006	0.032	0.047	-0.015
0.3083	-0.983	0.006	0.032	0.047	0.000
0.3166	-0.992	0.006	0.032	0.047	-0.015
0.3250	-1.011	0.006	0.032	0.047	0.000
0.3333	-1.011	0.006	0.032	0.047	-0.015
0.3500	-1.049	0.006	0.032	0.047	-0.015
0.3666	-1.068	0.006	0.032	0.047	0.000
0.3833	-1.090	0.006	0.032	0.047	-0.015
0.4000	-1.106	0.006	0.032	0.047	0.000
0.4166	-1.138	0.006	0.032	0.047	-0.015
0.4333	-1.157	0.006	0.032	0.047	-0.015
0.4500	-1.179	0.006	0.032	0.047	-0.015
0.4666	-1.191	0.006	0.032	0.047	-0.015
0.4833	-1.223	0.006	0.032	0.047	0.000
0.5000	-1.236	0.006	0.032	0.047	-0.015
0.5166	-1.255	0.006	0.032	0.047	-0.015
0.5333	-1.270	0.006	0.032	0.047	-0.015
0.5500	-1.283	0.006	0.032	0.047	-0.015
0.5666	-1.302	0.006	0.032	0.047	-0.015
0.5833	-1.318	0.006	0.032	0.047	-0.015
0.6000	-1.334	0.006	0.032	0.047	-0.015
0.6166	-1.346	0.006	0.032	0.047	0.000
0.6333	-1.372	0.006	0.032	0.047	-0.015
0.6500	-1.384	0.006	0.032	0.047	-0.015
0.6666	-1.403	0.006	0.032	0.047	-0.015
0.6833	-1.403	0.006	0.032	0.047	0.000
0.7000	-1.391	0.006	0.032	0.047	-0.015
0.7166	-1.368	0.006	0.032	0.047	-0.015
0.7333	-1.385	0.006	0.032	0.047	-0.015
0.7500	-1.340	0.006	0.032	0.047	0.000
0.7666	-1.340	0.006	0.032	0.047	0.000
0.7833	-1.334	0.006	0.032	0.047	-0.015
0.8000	-1.308	0.006	0.032	0.047	-0.015
0.8166	-1.302	0.006	0.032	0.047	-0.015
0.8333	-1.296	0.006	0.032	0.047	-0.015
0.8500	-1.293	0.006	0.032	0.047	-0.015
0.8666	-1.283	0.006	0.032	0.047	-0.015
0.8833	-1.293	0.006	0.032	0.047	-0.015
0.9000	-1.277	0.006	0.032	0.047	0.000
0.9166	-1.270	0.006	0.032	0.047	-0.015
0.9333	-1.261	0.006	0.032	0.047	-0.015
0.9500	-1.270	0.006	0.032	0.047	-0.015
0.9666	-1.261	0.006	0.032	0.047	-0.015
0.9833	-1.255	0.006	0.032	0.047	-0.015
1.0000	-1.264	0.006	0.032	0.047	-0.015
1.2000	-1.233	0.006	0.032	0.047	-0.015
1.4000	-1.220	0.006	0.032	0.047	-0.015
1.6000	-1.214	0.006	0.032	0.047	-0.015
1.8000	-1.037	0.006	0.032	0.063	-0.015
2.0000	-0.882	0.000	0.032	0.047	-0.015
2.2000	-0.822	0.000	0.032	0.047	-0.015
2.4000	-0.771	0.000	0.032	0.047	-0.015
2.6000	-0.746	0.000	0.032	0.047	-0.015
2.8000	-0.730	0.000	0.032	0.063	-0.015
3.0000	-0.711	0.000	0.032	0.063	-0.015
3.2000	-0.714	0.000	0.032	0.047	-0.015
3.4000	-0.714	0.000	0.032	0.047	-0.015
3.6000	-0.717	0.000	0.032	0.047	-0.015
3.8000	-0.711	0.000	0.032	0.047	-0.015
4.0000	-0.714	0.000	0.032	0.047	-0.015

4.2000	-0.720	0.000	0.032	0.063	-0.015
4.4000	-0.717	0.000	0.032	0.047	0.000
4.6000	-0.705	-0.006	0.032	0.047	-0.015
4.8000	-0.717	0.000	0.032	0.063	-0.015
5.0000	-0.711	-0.006	0.032	0.047	-0.015
5.2000	-0.717	-0.006	0.032	0.063	-0.015
5.4000	-0.714	-0.006	0.032	0.047	-0.015
5.6000	-0.717	-0.006	0.032	0.047	-0.015
5.8000	-0.720	-0.006	0.032	0.063	0.000
6.0000	-0.714	0.000	0.032	0.063	0.000
6.2000	-0.717	-0.006	0.032	0.063	-0.015
6.4000	-0.720	-0.012	0.032	0.047	0.000
6.6000	-0.714	-0.012	0.032	0.047	-0.015
6.8000	-0.733	-0.006	0.032	0.047	0.000
7.0000	-0.724	-0.006	0.032	0.063	0.000
7.2000	-0.724	-0.006	0.032	0.047	0.000
7.4000	-0.730	-0.006	0.032	0.063	0.000
7.6000	-0.711	-0.012	0.032	0.047	-0.015
7.8000	-0.730	-0.006	0.032	0.047	-0.015
8.0000	-0.739	-0.012	0.032	0.047	-0.015
8.2000	-0.724	-0.006	0.032	0.047	-0.015
8.4000	-0.736	-0.006	0.032	0.047	-0.015
8.6000	-0.730	-0.006	0.032	0.047	0.000
8.8000	-0.724	-0.012	0.032	0.063	0.000
9.0000	-0.720	-0.006	0.032	0.063	0.000
9.2000	-0.727	-0.012	0.032	0.047	-0.015
9.4000	-0.727	-0.012	0.016	0.031	-0.031
9.6000	-0.746	-0.012	0.016	0.031	-0.031
9.8000	-0.724	-0.012	0.016	0.031	-0.031
10.0000	-0.746	-0.012	0.016	0.015	-0.031
12.0000	-0.739	-0.025	0.016	0.015	-0.031
14.0000	-0.743	-0.031	0.016	0.015	-0.031
16.0000	-0.755	-0.035	0.016	0.015	-0.031
18.0000	-0.752	-0.031	0.032	0.047	-0.015
20.0000	-0.758	-0.031	0.032	0.047	-0.015
22.0000	-0.758	-0.031	0.032	0.047	-0.015
24.0000	-0.752	[illegible]	0.016	0.015	-0.031
26.0000	-0.774	[illegible]	[illegible]	0.015	-0.047
28.0000	-0.771	[illegible]	0.016	0.015	-0.031
30.0000	-0.765	-0.057	0.016	0.015	-0.031
32.0000	-0.787	-0.057	0.016	0.015	-0.031
34.0000	-0.771	-0.057	0.016	0.015	-0.031
36.0000	-0.796	-0.063	0.016	0.015	-0.031
38.0000	-0.780	-0.063	0.016	0.015	-0.031
40.0000	-0.812	-0.063	0.016	0.015	-0.031
42.0000	-0.799	-0.057	0.032	0.031	-0.015
44.0000	-0.803	-0.063	0.032	0.031	-0.015
46.0000	-0.822	-0.076	0.000	0.000	-0.031
48.0000	-0.828	-0.082	0.016	0.015	-0.031
50.0000	-0.815	-0.069	0.032	0.031	-0.015
52.0000	-0.815	-0.063	0.016	0.015	-0.031
54.0000	-0.812	-0.082	0.048	0.015	-0.031
56.0000	-0.822	-0.089	0.032	0.000	-0.031
58.0000	-0.815	-0.088	0.032	0.000	-0.031
60.0000	-0.825	-0.088	0.032	0.000	-0.031
62.0000	-0.818	-0.088	0.032	0.000	-0.031
64.0000	-0.834	-0.095	0.032	0.000	-0.031
66.0000	-0.841	-0.095	0.032	0.000	-0.031
68.0000	-0.837	-0.101	0.016	0.000	-0.031
70.0000	-0.834	-0.095	0.016	0.000	-0.031

72.0000		-0.837	-0.101	0.016	0.000	-0.031
74.0000		-0.841	-0.101	0.016	0.000	-0.031
76.0000		-0.844	-0.101	0.016	0.000	-0.031
78.0000		-0.837	-0.101	0.016	0.000	-0.031
80.0000		-0.860	-0.107	0.016	-0.015	-0.031
82.0000		-0.856	-0.114	0.016	-0.015	-0.031
84.0000		-0.856	-0.107	0.032	-0.015	-0.031
86.0000		-0.853	-0.114	0.032	-0.015	-0.031
88.0000		-0.872	-0.114	0.032	-0.015	-0.031
90.0000		-0.866	-0.107	0.048	0.015	-0.015
92.0000		-0.856	-0.114	0.032	0.000	-0.015
94.0000		-0.875	-0.120	0.032	-0.015	-0.031
96.0000		-0.872	-0.120	0.032	0.000	-0.031
98.0000		-0.872	-0.120	0.032	-0.015	-0.031
100.000	— 815 GPM	-0.869	-0.120	0.032	-0.015	-0.031
120.000		-1.918	-0.152	0.048	0.015	-0.015
140.000		-2.013	-0.190	0.032	-0.047	-0.031
160.000		-2.048	-0.215	0.048	-0.031	-0.015
180.000		-2.143	-0.241	0.064	-0.047	-0.031
200.000		-2.304	-0.272	0.032	-0.079	-0.047
220.000		-2.424	-0.298	0.016	-0.111	-0.047
240.000		-2.532	-0.317	0.016	-0.127	-0.047
260.000		-2.620	-0.336	0.016	-0.127	-0.047
280.000		-2.825	-0.349	0.016	-0.143	-0.047
300.000		-3.236	-0.368	0.016	-0.175	-0.047

END

RECOVERY FILES

A: PWIS.REC

A: PWIS.REC.NUM

SE2000
Environmental Logger
04/09 09:20

Unit# 479 Test 0

Setups:	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
Type	Level (F)	Level (F)	Level (F)	Level (F)	Level (F)
Mode	Surface	Surface	Surface	Surface	Surface
I.D.	2LPW1S	2LOW1S	2LOW1D	2LOW2S	2LOW3S
Reference	0.000	0.000	0.000	0.000	0.000
SG	1.000	1.000	1.000	1.000	1.000
Linearity	0.027	0.122	0.114	0.113	0.073
Scale factor	10.020	20.114	50.764	50.617	50.316
Offset	-0.012	0.002	-0.025	-0.142	-0.104
Delay mSEC	50.000	50.000	50.000	50.000	50.000

Step 1 04/09 17:00:16

STEP DO TEST
REC PORTION

Elapsed Time	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
0.0000	-3.107	-0.361	0.032	-0.143	-0.031
0.0083	-3.059	-0.361	0.032	-0.143	-0.031
0.0166	-3.012	-0.361	0.032	-0.143	-0.031
0.0250	-2.965	-0.361	0.032	-0.143	-0.031
0.0333	-2.917	-0.361	0.032	-0.143	-0.031
0.0416	-2.870	-0.361	0.032	-0.143	-0.031
0.0500	-2.822	-0.361	0.032	-0.143	-0.031
0.0583	-2.775	-0.361	0.032	-0.143	-0.031
0.0666	-2.728	-0.361	0.032	-0.143	-0.031
0.0750	-2.680	-0.361	0.032	-0.143	-0.031
0.0833	-2.636	-0.361	0.032	-0.143	-0.031
0.0916	-2.592	-0.361	0.032	-0.143	-0.031
0.1000	-2.547	-0.361	0.032	-0.159	-0.031
0.1083	-2.503	-0.361	0.032	-0.143	-0.031
0.1166	-2.458	-0.361	0.032	-0.143	-0.031
0.1250	-2.415	-0.361	0.032	-0.143	-0.031
0.1333	-2.370	-0.361	0.032	-0.143	-0.031
0.1416	-2.329	-0.361	0.032	-0.143	-0.031
0.1500	-2.285	-0.361	0.032	-0.143	-0.031
0.1583	-2.244	-0.361	0.032	-0.143	-0.031
0.1666	-2.200	-0.361	0.032	-0.143	-0.031
0.1750	-2.159	-0.361	0.032	-0.143	-0.031
0.1833	-2.118	-0.361	0.032	-0.143	-0.031
0.1916	-2.080	-0.361	0.032	-0.143	-0.031
0.2000	-2.039	-0.361	0.032	-0.143	-0.031
0.2083	-2.001	-0.361	0.032	-0.143	-0.031
0.2166	-1.960	-0.361	0.032	-0.143	-0.031
0.2250	-1.922	-0.361	0.032	-0.143	-0.031
0.2333	-1.884	-0.361	0.032	-0.143	-0.031
0.2416	-1.849	-0.361	0.032	-0.143	-0.031
0.2500	-1.811	-0.361	0.032	-0.143	-0.031
0.2583	-1.776	-0.361	0.032	-0.159	-0.031
0.2666	-1.741	-0.361	0.032	-0.143	-0.031
0.2750	-1.707	-0.361	0.032	-0.143	-0.031
0.2833	-1.675	-0.361	0.032	-0.143	-0.031
0.2916	-1.640	-0.361	0.032	-0.143	-0.031

0.3000	-1.609	-0.361	0.032	-0.143	-0.031
0.3083	-1.577	-0.361	0.032	-0.143	-0.031
0.3166	-1.545	-0.361	0.032	-0.143	-0.031
0.3250	-1.517	-0.361	0.032	-0.143	-0.031
0.3333	-1.489	-0.361	0.032	-0.143	-0.031
0.3500	-1.435	-0.361	0.032	-0.143	-0.031
0.3666	-1.384	-0.361	0.032	-0.143	-0.031
0.3833	-1.340	-0.361	0.032	-0.143	-0.031
0.4000	-1.299	-0.361	0.032	-0.143	-0.031
0.4166	-1.258	-0.361	0.032	-0.143	-0.031
0.4333	-1.223	-0.361	0.032	-0.143	-0.031
0.4500	-1.188	-0.361	0.032	-0.143	-0.031
0.4666	-1.157	-0.361	0.032	-0.143	-0.031
0.4833	-1.125	-0.361	0.032	-0.143	-0.031
0.5000	-1.097	-0.361	0.032	-0.143	-0.015
0.5166	-1.068	-0.361	0.032	-0.143	-0.031
0.5333	-1.043	-0.361	0.032	-0.143	-0.031
0.5500	-1.014	-0.361	0.032	-0.143	-0.015
0.5666	-0.992	-0.361	0.032	-0.143	-0.015
0.5833	-0.967	-0.361	0.032	-0.143	-0.015
0.6000	-0.942	-0.361	0.032	-0.143	-0.015
0.6166	-0.920	-0.361	0.032	-0.143	-0.031
0.6333	-0.897	-0.361	0.032	-0.143	-0.031
0.6500	-0.875	-0.361	0.032	-0.143	-0.031
0.6666	-0.853	-0.361	0.048	-0.143	-0.031
0.6833	-0.834	-0.361	0.032	-0.143	-0.031
0.7000	-0.815	-0.361	0.032	-0.143	-0.015
0.7166	-0.798	-0.361	0.032	-0.143	-0.015
0.7333	-0.780	-0.361	0.032	-0.143	-0.031
0.7500	-0.761	-0.361	0.032	-0.143	-0.015
0.7666	-0.748	-0.361	0.032	-0.143	-0.015
0.7833	-0.730	-0.361	0.032	-0.143	-0.015
0.8000	-0.717	-0.361	0.032	-0.143	-0.031
0.8166	-0.701	-0.361	0.032	-0.143	-0.031
0.8333	-0.686	-0.361	0.032	-0.143	-0.015
0.8500	-0.673	-0.361	0.048	-0.143	-0.015
0.8666	-0.663	-0.361	0.032	-0.143	-0.015
0.8833	-0.651	-0.361	0.032	-0.143	-0.015
0.9000	-0.632	-0.361	0.032	-0.143	-0.015
0.9166	-0.629	-0.355	0.032	-0.143	-0.015
0.9333	-0.616	-0.361	0.048	-0.143	-0.031
0.9500	-0.607	-0.361	0.032	-0.143	-0.015
0.9666	-0.597	-0.361	0.032	-0.143	-0.015
0.9833	-0.588	-0.361	0.032	-0.143	-0.015
1.0000	-0.581	-0.361	0.032	-0.143	-0.031
1.2000	-0.502	-0.355	0.048	-0.143	-0.031
1.4000	-0.458	-0.355	0.048	-0.143	-0.015
1.6000	-0.433	-0.355	0.048	-0.143	-0.015
1.8000	-0.420	-0.355	0.048	-0.143	-0.015
2.0000	-0.411	-0.355	0.032	-0.143	-0.031
2.2000	-0.404	-0.349	0.032	-0.143	-0.015
2.4000	-0.398	-0.349	0.048	-0.143	-0.015
2.6000	-0.398	-0.349	0.048	-0.143	-0.015
2.8000	-0.395	-0.349	0.048	-0.127	-0.015
3.0000	-0.392	-0.349	0.048	-0.143	-0.015
3.2000	-0.392	-0.349	0.048	-0.143	-0.015
3.4000	-0.392	-0.349	0.048	-0.143	-0.015
3.6000	-0.388	-0.349	0.048	-0.143	-0.031
3.8000	-0.388	-0.342	0.048	-0.143	-0.031
4.0000	-0.388	-0.342	0.048	-0.143	-0.015

4.2000	-0.385	-0.342	0.048	-0.143	-0.031
4.4000	-0.385	-0.342	0.048	-0.143	-0.015
4.6000	-0.385	-0.342	0.048	-0.143	-0.015
4.8000	-0.382	-0.342	0.048	-0.143	-0.015
5.0000	-0.382	-0.342	0.048	-0.143	-0.015
5.2000	-0.379	-0.342	0.048	-0.143	-0.015
5.4000	-0.379	-0.342	0.048	-0.143	-0.015
5.6000	-0.379	-0.336	0.048	-0.143	-0.031
5.8000	-0.379	-0.336	0.048	-0.143	-0.015
6.0000	-0.376	-0.336	0.048	-0.143	-0.015
6.2000	-0.376	-0.336	0.032	-0.143	-0.015
6.4000	-0.376	-0.336	0.032	-0.143	-0.015
6.6000	-0.376	-0.336	0.048	-0.143	-0.015
6.8000	-0.373	-0.336	0.032	-0.143	-0.015
7.0000	-0.373	-0.336	0.048	-0.143	-0.015
7.2000	-0.373	-0.330	0.048	-0.143	-0.015
7.4000	-0.369	-0.330	0.048	-0.143	-0.015
7.6000	-0.369	-0.330	0.048	-0.143	-0.015
7.8000	-0.369	-0.330	0.048	-0.143	-0.015
8.0000	-0.369	-0.330	0.048	-0.143	-0.015
8.2000	-0.369	-0.330	0.048	-0.143	-0.015
8.4000	-0.366	-0.330	0.032	-0.143	-0.015
8.6000	-0.369	-0.330	0.048	-0.143	-0.015
8.8000	-0.363	-0.330	0.048	-0.143	-0.015
9.0000	-0.363	-0.330	0.048	-0.143	-0.015
9.2000	-0.363	-0.330	0.032	-0.143	-0.015
9.4000	-0.363	-0.323	0.032	-0.143	-0.015
9.6000	-0.363	-0.323	0.048	-0.143	-0.031
9.8000	-0.363	-0.323	0.032	-0.143	-0.015
10.0000	-0.363	-0.323	0.032	-0.143	-0.031
12.0000	-0.357	-0.317	0.032	-0.159	-0.015
14.0000	-0.354	-0.323	0.032	-0.175	-0.031
16.0000	-0.354	-0.323	0.016	-0.175	-0.047
18.0000	-0.344	-0.317	0.032	-0.175	-0.047
20.0000	-0.344	-0.311	0.032	-0.175	-0.047
22.0000	-0.335	-0.304	0.000	-0.175	-0.047
24.0000	-0.335	-0.304	0.016	-0.175	-0.047
26.0000	-0.332	-0.298	0.016	-0.175	-0.047
28.0000	-0.328	-0.292	0.016	-0.175	-0.047
30.0000	-0.322	-0.292	0.016	-0.175	-0.047
32.0000	-0.319	-0.285	0.016	-0.175	-0.047
34.0000	-0.316	-0.285	0.016	-0.175	-0.047
36.0000	-0.313	-0.279	0.016	-0.175	-0.031
38.0000	-0.309	-0.279	0.016	-0.181	-0.047
40.0000	-0.306	-0.272	0.016	-0.175	-0.047
42.0000	-0.300	-0.266	0.016	-0.175	-0.031
44.0000	-0.297	-0.266	0.016	-0.175	-0.047
46.0000	-0.294	-0.260	0.016	-0.175	-0.047
48.0000	-0.287	-0.260	0.016	-0.175	-0.047
50.0000	-0.287	-0.260	0.016	-0.175	-0.047
52.0000	-0.284	-0.253	0.016	-0.175	-0.047
54.0000	-0.281	-0.253	0.016	-0.175	-0.047
56.0000	-0.278	-0.247	0.016	-0.175	-0.031
58.0000	-0.275	-0.247	0.000	-0.175	-0.047
60.0000	-0.275	-0.241	0.000	-0.175	-0.031
62.0000	-0.268	-0.241	0.016	-0.175	-0.047
64.0000	-0.268	-0.241	0.016	-0.175	-0.047
66.0000	-0.265	-0.234	0.016	-0.175	-0.047
68.0000	-0.262	-0.234	0.016	-0.175	-0.031
70.0000	-0.262	-0.234	0.000	-0.175	-0.031

72.0000	-0.259	-0.228	0.016	-0.175	-0.031
74.0000	-0.258	-0.228	0.016	-0.175	-0.047
76.0000	-0.258	-0.228	0.000	-0.175	-0.047
78.0000	-0.249	-0.222	0.000	-0.175	-0.047
80.0000	-0.249	-0.222	0.000	-0.175	-0.047
82.0000	-0.249	-0.222	0.000	-0.175	-0.047
84.0000	-0.246	-0.215	0.000	-0.175	-0.047
86.0000	-0.243	-0.215	0.000	-0.159	-0.047
88.0000	-0.243	-0.215	0.000	-0.159	-0.047
90.0000	-0.240	-0.215	0.016	-0.159	-0.047
92.0000	-0.237	-0.209	0.000	-0.175	-0.047
94.0000	-0.237	-0.209	0.000	-0.159	-0.047
96.0000	-0.233	-0.209	0.000	-0.175	-0.047
98.0000	-0.233	-0.209	0.000	-0.159	-0.047
100.000	-0.230	-0.203	0.000	-0.159	-0.047
120.000	-0.218	-0.190	0.000	-0.159	-0.047
140.000	-0.202	-0.177	0.000	-0.159	-0.047
160.000	-0.192	-0.165	0.000	-0.143	-0.047
180.000	-0.183	-0.158	-0.016	-0.143	-0.047
200.000	-0.177	-0.146	-0.016	-0.143	-0.047
220.000	-0.170	-0.139	-0.016	-0.127	-0.047
240.000	-0.164	-0.133	-0.016	-0.127	-0.047
260.000	-0.158	-0.126	-0.016	-0.111	-0.047
280.000	-0.154	-0.126	-0.032	-0.111	-0.047
300.000	-0.151	-0.120	-0.032	-0.111	-0.047
320.000	-0.146	-0.114	-0.032	-0.111	-0.047
340.000	-0.142	-0.114	-0.016	-0.111	-0.047
360.000	-0.142	-0.107	-0.032	-0.095	-0.047
380.000	-0.139	-0.107	-0.016	-0.095	-0.047
400.000	-0.135	-0.107	-0.016	-0.095	-0.047
420.000	-0.132	-0.101	-0.016	-0.095	-0.047
440.000	-0.129	-0.101	-0.032	-0.095	-0.047
460.000	-0.126	-0.101	-0.032	-0.079	-0.047
480.000	-0.126	-0.095	-0.032	-0.095	-0.047
500.000	-0.126	-0.095	-0.032	-0.095	-0.047
520.000	-0.123	-0.095	-0.032	-0.079	-0.063
540.000	-0.120	-0.095	-0.016	-0.095	-0.047
560.000	-0.120	-0.089	-0.032	-0.079	-0.063
580.000	-0.116	-0.089	-0.032	-0.079	-0.063
600.000	-0.116	-0.089	-0.032	-0.079	-0.063
620.000	-0.116	-0.082	-0.032	-0.079	-0.063
640.000	-0.113	-0.082	-0.048	-0.079	-0.063
660.000	-0.113	-0.082	-0.048	-0.079	-0.063
680.000	-0.113	-0.082	-0.048	-0.079	-0.063
700.000	-0.110	-0.082	-0.048	-0.079	-0.063
720.000	-0.107	-0.082	-0.032	-0.079	-0.063
740.000	-0.107	-0.076	-0.032	-0.079	-0.063
760.000	-0.107	-0.076	-0.032	-0.079	-0.063
780.000	-0.104	-0.076	-0.048	-0.079	-0.063
800.000	-0.104	-0.076	-0.048	-0.063	-0.063
820.000	-0.104	-0.076	-0.048	-0.063	-0.063
840.000	-0.104	-0.076	-0.048	-0.063	-0.063
860.000	-0.104	-0.076	-0.048	-0.063	-0.063
880.000	-0.104	-0.076	-0.064	-0.063	-0.063
900.000	-0.107	-0.076	-0.064	-0.079	-0.063
920.000	-0.107	-0.076	-0.064	-0.079	-0.063
940.000	-0.107	-0.076	-0.064	-0.079	-0.063
960.000	-0.104	-0.076	-0.048	-0.063	-0.079

END

SE1000C
Environmental Logger
04/09 10:31

Unit# 00143 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00018
Reference	0.000
Linearity	0.000
Scale factor	9.990
Offset	0.040
Delay mSEC	50.000

Step 0 04/07 12:00:01

Elapsed Time	INPUT 1
0.0000	-0.006
30.0000	-0.015
60.0000	-0.009
90.0000	-0.022
120.000	-0.053
150.000	-0.056
180.000	-0.059
210.000	-0.059
240.000	-0.063
270.000	-0.075
300.000	-0.091
330.000	-0.100
360.000	-0.104
390.000	-0.113
420.000	-0.113
450.000	-0.116
480.000	-0.113
510.000	-0.135
540.000	-0.148
570.000	-0.148
600.000	-0.154
630.000	-0.157
660.000	-0.154
690.000	-0.163
720.000	-0.157
750.000	-0.157
780.000	-0.163
810.000	-0.160
840.000	-0.154
870.000	-0.151
900.000	-0.154
930.000	-0.154
960.000	-0.157
990.000	-0.163
1020.00	-0.163
1050.00	-0.167
1080.00	-0.167

START STEP DD
@1200 HRS ON 4/8/94

TREND DATA AT WELL
2LMW 18S.

START 1200 HRS ON 4/7/94
PRIOR TO RUNNING STEP DD
TEST. HAD TO PULL XD AS
WE HAD TO RUN SLUG TESTS

1110.00	-0.170
1140.00	-0.172
1170.00	-0.186
1200.00	-0.182
1230.00	-0.170
1260.00	-0.176
1290.00	-0.173
1320.00	-0.173
1350.00	-0.167
1380.00	-0.167
1410.00	-0.157
1440.00	-0.157 ← START STEP DD TEST
1470.00	-0.151
1500.00	-0.145
1530.00	-0.138
1560.00	-0.132
1590.00	-0.116
1620.00	-0.116
1650.00	-0.116
1680.00	-0.116
1710.00	-0.113
1740.00	-0.116
1770.00	-0.119
1800.00	-0.126
1830.00	-0.132
1860.00	-0.126
1890.00	-0.132
1920.00	-0.135
1950.00	-0.138
1980.00	-0.145
2010.00	-0.148
2040.00	-0.154
2070.00	-0.151
2100.00	-0.141
2130.00	-0.135
2160.00	-0.138
2190.00	-0.141
2220.00	-0.157
2250.00	-0.149
2280.00	-0.143
2310.00	-0.151
2340.00	-0.154
2370.00	-0.160
2400.00	-0.163
2430.00	-0.163
2460.00	-0.154
2490.00	-0.146
2520.00	-0.160
2550.00	-0.160
2580.00	-0.160
2610.00	-0.163
2640.00	-0.157
2670.00	-0.157
2700.00	-0.151
2730.00	-0.148
2760.00	-0.151

END

APPENDIX C.5

SECWA WATER QUALITY PARAMETERS DETECTED IN GROUNDWATER IN 1991 AND 1994

Southeastern Connecticut Water Authority • P.O. Box 415, Gales Ferry, CT 06335-0415 • Phone (860) 464-0232 • Fax (860) 464-2876

TO: Matthew G. Cochran
Brown & Root Environmental
Foster Plaza VII
661 Anderson Drive
Pittsburg PA 15200-2745

DATE: Dec. 15, 1995
RE: Water Quality Data

Attention:

Dear Mr. Cochran:

I am sending you X Enclosed ___ Under Separate Cover ___ Via Mail:

___ Prints ___ Shop Drawings ___ Data Sheets ___ _____
___ Sketches ___ Specifications ___ Brochures ___ _____

COPIES	PREPARED BY	REFERENCE NO.	DESCRIPTION
1	—	—	Inorganic Chemical lab Reports 1991 & 1994
1	—	—	SCWA Systems

THESE ARE TRANSMITTED AS CHECKED BELOW:

X As Requested
___ For Your Use
___ For Review and Comment
___ For Your Information
___ _____

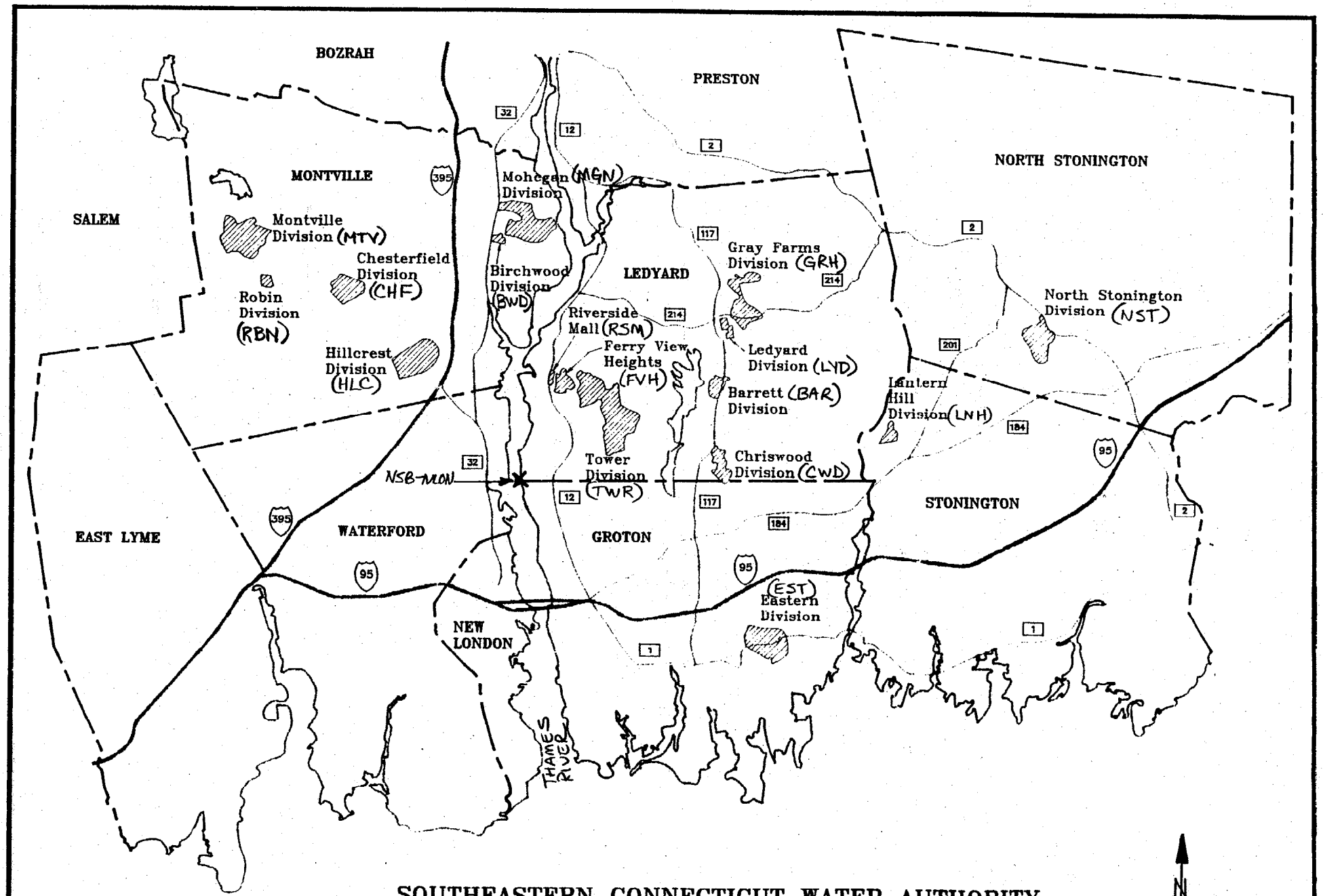
REMARKS: hand written abbreviations on map correspond w/ reports

Copies to: _____

Sincerely,
Southeastern Connecticut Water Authority

Name Gregory C. Leonard
Title General Manager

Water For Your Future



SOUTHEASTERN CONNECTICUT WATER AUTHORITY
DIVISION LOCATION MAP

LENARD ENGINEERING, INC.

LABORATORY RESOURCES, INC.

EASTERN SCIENTIFIC DIVISION
RTE 205 THE REGIONAL BLDG.
P.O. BOX 700
BROOKLYN, CT 06234
TEL.-(203)774-6814 FAX-(203)774-2689

Report to: D.R. CRANDALL, MANAGER
SOUTHEASTERN CT WATER AUTH.
P.O. BOX 415-D
GALES FERRY, CT 06335

Work ID: SAMPLES AS NOTED
Work Order #: E109784

Date Received: 09/30/91

PO Number:

Analysis Performed	Results	Detection Limits	Date of Analysis	Method of Analysis
Sample ID: #1 12 OAKWOOD DR. TWR.		Date Collected: 09/27/91		
CHLORIDE	18	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	1.9	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/03/91	EPA 335.3
Sample ID: #2 19 NUGGET HILL DR. FVH.		Date Collected: 09/27/91		
CHLORIDE	17	1	10/08/91	EPA 325.2
FLUORIDE	0.3	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	1.9	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/03/91	EPA 335.3
Sample ID: #3 35 BARTON LANE CWD.		Date Collected: 09/27/91		
CHLORIDE	4	1	10/08/91	EPA 325.2
FLUORIDE	0.4	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	0.3	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/03/91	EPA 335.3
Sample ID: #4 36 LAKE ST. BAR		Date Collected: 09/27/91		
CHLORIDE	39	1	10/08/91	EPA 325.2
FLUORIDE	0.2	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	6.4	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/03/91	EPA 335.3
Sample ID: #5 4 COLBY DR. LYD.		Date Collected: 09/27/91		
CHLORIDE	10	1	10/08/91	EPA 325.2
FLUORIDE	0.6	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	2.8	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/03/91	EPA 335.3

All measurements are in mg/l unless otherwise specified
ND = None Detected/Below stated detection limit

Analysis Performed	Results	Detection Limits	Date of Analysis	Method of Analysis
Sample ID: #6 BOOSTER STATION GRF.		Date Collected: 09/27/91		
CHLORIDE	26	1	10/08/91	EPA 325.2
FLUORIDE	0.2	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	0.6	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
Sample ID: #7 22 RAVENWOOD DR. NST.		Date Collected: 09/27/91		
CHLORIDE	5	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	0.9	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
MERCURY	ND	0.0010	10/01/91	EPA 245.1
Sample ID: #8 176 MARJORIE ST. LNH.		Date Collected: 09/27/91		
CHLORIDE	20	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	3.1	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
Sample ID: #9 270 RIDGEWOOD DR. EST.		Date Collected: 09/27/91		
CHLORIDE	23	1	10/08/91	EPA 325.2
FLUORIDE	0.2	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	1.2	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
Sample ID: #10 103 PARK AVE EXT. MGN.		Date Collected: 09/27/91		
CHLORIDE	15	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	3.5	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
Sample ID: #11 37 FLORIDA DR. MTV.		Date Collected: 09/27/91		
CHLORIDE	10	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	0.8	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3

All measurements are in mg/l unless otherwise specified
ND = None Detected/Below stated detection limit

Analysis Performed	Results	Detection Limits	Date of Analysis	Method of Analysis
Sample ID: #12 YARD HYDRANT BWD.		**Date Collected: 09/27/91**		
CHLORIDE	2	1	10/08/91	EPA 325.2
FLUORIDE	0.2	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	0.4	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3
Sample ID: #13 37 COTTONWOOD DR. CHF.		**Date Collected: 09/27/91**		
CHLORIDE	19	1	10/08/91	EPA 325.2
FLUORIDE	0.1	0.10	10/01/91	EPA 340.2
NITRITE-N	ND	0.002	10/01/91	EPA 353.1
NITRATE + NITRITE NITROGEN	1.0	0.1	10/08/91	EPA 353.1
CYANIDE, TOTAL	ND	0.02	10/05/91	EPA 335.3

All measurements are in mg/l unless otherwise specified
ND = None Detected/Below stated detection limit

Report is an accurate analysis of sample received at this laboratory.

T.F. McCommas 10/9/91

T.F. McCommas, Director Date
Robert LaFerriere, Tech. Lab. Director
CT Laboratory PH 0465

ENVIRONMENTAL SCIENCE CORPORATION
362 Industrial Park Rd.
Middletown, CT 06457
(203) 632-0600, FAX (203) 632-7743

LABORATORY REPORT

LAB. REPORT NO.
C-19377

State Certification No. PH-0476
EPA Number CT013

CLIENT

Mr. Gregory C. Leonard
Southeastern CT Water Author.
P.O. Box 415, 1649 Route 12
Gales Ferry, CT 06335

DATE RECEIVED	08/18/94
PURCHASE ORDER NO.	9383
CLIENT I.D.	SE CT WATER
CLIENT PROJECT NO.	
TELEPHONE NO.	464-0232

SAMPLE ID:	1A RSM DIV.	2A HLC DIV.	3A TWR DIV.	4A BWD DIV.	5A EST DIV.
LOCATION:	PUMPHOUSE DIST.	26 HILLCREST DR.	16 LAUREL LEAF	YARD HYDRANT #2	270 RIDGEWOOD DR
TYPE:	WATER	WATER	WATER	WATER	WATER
DATE:	08/17/94	08/17/94	08/17/94	08/17/94	08/17/94
** TEST ** (ALL UNITS ARE mg/l)					
** DRINKING WATER INORGANICS					
Antimony	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic	<0.003	<0.003	<0.003	<0.003	<0.003
[illegible]ium	<0.02	<0.02	<0.02	<0.02	0.02
[illegible]/llium	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium Total	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	<0.002	<0.002	<0.002	<0.002	<0.002
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	23	6	23	5	24
Thallium	<0.002	<0.002	<0.002	<0.002	<0.002
Chloride	35	7	31	4	37
Fluoride	0.36	0.12	<0.1	0.13	0.16
Sulfate	21	5	11	4	20
Nitrate & Nitrite Nitrogen	1.19	0.45	2.25	0.31	1.32
Nitrite Nitrogen	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide, Total	<0.02	<0.02	<0.02	<0.02	<0.02

< - Below Minimum Detectable Level

09/20/94
DATE REPORTED

Thomas F. McGlew
LABORATORY DIRECTOR

ENVIRONMENTAL SCIENCE CORPORATION
362 Industrial Park Rd.
Middletown, CT 06457
(203) 632-0600, FAX (203) 632-7743

LABORATORY REPORT

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PURCHASE ORDER NO.	9383
CLIENT I.D.	SE CT WATER
CLIENT PROJECT NO.	
TELEPHONE NO.	464-0232

CLIENT

Mr. Gregory C. Leonard
Southeastern CT Water Author.
P.O. Box 415, 1649 Route 12
Gales Ferry, CT 06335

SAMPLE ID:	6A LNH DIV.	7A CWD DIV.	8A RBN DIV.	9A MGN DIV.	10A GRF DIV.
LOCATION:	15 MARJORIE ST.	41 CHRISWOOD TR	231BLK.ASH.SWMP	103 PARK AVE EXT	81 SPICER HILL
TYPE:	WATER	WATER	WATER	WATER	WATER
DATE:	08/17/94	08/17/94	08/17/94	08/17/94	08/17/94
** TEST ** (ALL UNITS ARE mg/l)					
** DRINKING WATER INORGANICS					
Antimony	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic	<0.003	<0.003	<0.003	<0.003	<0.003
[illegible]ium	0.02	<0.02	<0.02	<0.02	<0.02
[illegible]llium	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium Total	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	<0.002	<0.002	<0.002	<0.002	<0.002
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	32	10	6	11	23
Thallium	<0.002	<0.002	<0.002	<0.002	<0.002
Chloride	20	8	5	22	24
Fluoride	<0.1	0.92	<0.1	0.12	0.19
Sulfate	5	9	14	7	10
Nitrate & Nitrite Nitrogen	1.78	0.26	0.11	3.34	0.74
Nitrite Nitrogen	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide, Total	<0.02	<0.02	<0.02	<0.02	<0.02

< - Below Minimum Detectable Level

09/20/94
DATE REPORTED

Thomas F. McGlynn
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P.O. Box 415, 1649 Route 12
Gales Ferry, CT 06335

DATE RECEIVED	08/18/94
PURCHASE ORDER NO.	9383
CLIENT I.D.	SE CT WATER
CLIENT PROJECT NO.	
TELEPHONE NO.	464-0232

SAMPLE ID:	11A LYD DIV.	12A FVH DIV.	13A CHF DIV.	14A MTV DIV.	15A NST DIV.
LOCATION:	1 COLBY DR.	6 NUGGET HILL DR	37 COTTONWOOD LN	32 FLORIDA DR.	42 OLD COLONY DR
TYPE:	WATER	WATER	WATER	WATER	WATER
DATE:	08/17/94	08/17/94	08/17/94	08/17/94	08/17/94
** TEST ** (ALL UNITS ARE mg/l)					
** DRINKING WATER INORGANICS					
Antimony	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic	<0.003	<0.003	<0.003	<0.003	<0.003
P[illegible]um	0.13	<0.02	<0.02	<0.02	<0.02
L[illegible]llium	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium Total	<0.01	<0.01	<0.01	<0.01	<0.01
Mercury	<0.002	<0.002	<0.002	<0.002	<0.002
Nickel	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005
Silver	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	10	17	16	13	6
Thallium	<0.002	<0.002	<0.002	<0.002	<0.002
Chloride	14	23	26	24	12
Fluoride	0.66	0.23	0.12	0.10	<0.1
Sulfate	2	16	14	12	7
Nitrate & Nitrite Nitrogen	2.53	2.34	1.22	0.81	0.82
Nitrite Nitrogen	<0.005	<0.005	<0.005	<0.005	<0.005
Cyanide, Total	<0.02	<0.02	<0.02	<0.02	<0.02

< - Below Minimum Detectable Level

09/20/94
DATE REPORTED

Thomas F. McGlynn
LABORATORY DIRECTOR

ENVIRONMENTAL SCIENCE CORPORATION
362 Industrial Park Rd.
Middletown, CT 06457
(203) 632-0600, FAX (203) 632-7743

LABORATORY REPORT

LAB. REPORT NO.
C-19377

State Certification No. PH-0476
EPA Number CT013

CLIENT

Mr. Gregory C. Leonard
Southeastern CT Water Author.
P.O. Box 415, 1649 Route 12
Gales Ferry, CT 06335

DATE RECEIVED	08/18/94
PURCHASE ORDER NO.	9383
CLIENT I.D.	SE CT WATER
CLIENT PROJECT NO.	
TELEPHONE NO.	464-0232

SAMPLE ID: 16A BAR DIV.
LOCATION: 28 LAKE ST.
TYPE: WATER
DATE: 08/17/94

** TEST ** (ALL UNITS ARE mg/l)	
** DRINKING WATER INORGANICS	
Antimony	<0.005
Arsenic	<0.003
Barium	0.04
Beryllium	<0.005
Cadmium	<0.01
Chromium Total	<0.01
Mercury	<0.002
Nickel	<0.01
Selenium	<0.005
Silver	<0.01
Sodium	16
Thallium	<0.002
Chloride	43
Fluoride	0.11
Sulfate	15
Nitrate & Nitrite Nitrogen	8.76
Nitrite Nitrogen	<0.005
Cyanide, Total	<0.02

< - Below Minimum Detectable Level

09/20/94
DATE REPORTED

Thomas J. McGlynn
LABORATORY DIRECTOR

APPENDIX D

DATABASE

D.1 SITE 1 - CBU DRUM STORAGE AREA
D.2 SITE 2 - AREA A LANDFILL
D.3 SITE 2 - AREA A WETLAND
D.4 SITE 20 - AREA A WEAPONS CENTER
D.5 SITE 3 - AREA A DOWNSTREAM WATERCOURSES/OBDA
D.6 SITE 4 - RUBBLE FILL AT BUNKER A86
D.7 SITE 6 - DRMO
D.8 SITE 7 - TORPEDO SHOPS
D.9 SITE 8 - GOSS COVE LANDFILL
D.10 LOWER SUBASE
D.11 SITE 14 - OBDANE
D.12 SITE 15 - SPENT ACID STORAGE AND DISPOSAL AREA
D.13 THAMES RIVER
D.14 WELL PURGING PARAMETERS

APPENDIX D.1

SITE 1 - CBU DRUM STORAGE AREA

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U		28 U		
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U		28 U		
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U		28 U		
1,1-DICHLOROETHANE	6 U	6 U	6 U		28 U		
1,1-DICHLOROETHENE	6 U	6 U	6 U		28 U		
1,2-DICHLOROETHANE	6 U	6 U	6 U		28 U		
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	6 U		28 U		
1,2-DICHLOROPROPANE	6 U	6 U	6 U		28 U		
2-BUTANONE	11 U	11 U	11 U		56 U		
2-HEXANONE	11 U	11 U	11 U		56 U		
4-METHYL-2-PENTANONE	11 U	11 U	11 U		56 U		
ACETONE	11 U	11 U	6 U		56 U		
BENZENE	6 U	6 U	6 U		28 U		
BROMODICHLOROMETHANE	6 U	6 U	6 U		28 U		
BROMOFORM	6 U	6 U	6 U		28 U		
BROMOMETHANE	11 U	11 U	11 U		56 U		
CARBON DISULFIDE	6 U	6 U	6 U		28 U		
CARBON TETRACHLORIDE	6 U	6 U	6 U		28 U		
CHLOROBENZENE	6 U	6 U	6 U		28 U		
CHLOROETHANE	11 U	11 U	11 U		56 U		
CHLOROFORM	6 U	6 U	6 U		28 U		
CHLOROMETHANE	11 U	11 U	11 U		56 U		
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U		28 U		
DIBROMOCHLOROMETHANE	6 U	6 U	6 U		28 U		
ETHYLBENZENE	6 U	6 U	6 U		6 J		
METHYLENE CHLORIDE	6 U	6 U	1 J		28 U		
STYRENE	6 U	6 U	6 U		28 U		
TETRACHLOROETHENE	6 U	6 U	6 U		28 U		
TOLUENE	6 U	6 U	6 U		28 U		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U		28 U		
TRICHLOROETHENE	6 U	6 U	6 U		28 U		
VINYL ACETATE	11 U	11 U	11 U		56 U		
VINYL CHLORIDE	11 U	11 U	11 U		56 U		
XYLENES, TOTAL	6 U	6 U	6 U		300		
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE							2000 U
1,2-DICHLOROBENZENE							2000 U
1,3-DICHLOROBENZENE							2000 U
1,4-DICHLOROBENZENE							2000 U
2,4,5-TRICHLOROPHENOL							9800 U
2,4,6-TRICHLOROPHENOL							2000 U
2,4-DICHLOROPHENOL							2000 U
2,4-DIMETHYLPHENOL							2000 U
2,4-DINITROPHENOL							9800 U
2,4-DINITROTOLUENE							2000 U
2,6-DINITROTOLUENE							2000 U
2-CHLORONAPHTHALENE							2000 U
2-CHLOROPHENOL							2000 U
2-METHYLNAPHTHALENE							2000 U
2-METHYLPHENOL							2000 U
2-NITROANILINE							9800 U
2-NITROPHENOL							2000 U
3,3'-DICHLOROBENZIDINE							4000 U
3-NITROANILINE							9800 U
4,6-DINITRO-2-METHYLPHENOL							9800 U
4-BROMOPHENYL PHENYL ETHER							2000 U
4-CHLORO-3-METHYLPHENOL							2000 U
4-CHLOROANILINE							2000 U
4-CHLOROPHENYL PHENYL ETHER							2000 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL							2000 U
4-NITROANILINE							9800 U
4-NITROPHENOL							9800 U
ACENAPHTHENE							2000 U
ACENAPHTHYLENE							2000 U
ANTHRACENE							2000 U
BENZO(A)ANTHRACENE							2000 U
BENZO(A)PYRENE							2000 U
BENZO(B)FLUORANTHENE							2000 U
BENZO(G,H,I)PERYLENE							2000 U
BENZO(K)FLUORANTHENE							2000 U
BENZOIC ACID							9800 U
BENZYL ALCOHOL							2000 U
BIS(2-CHLOROETHOXY)METHANE							2000 U
BIS(2-CHLOROETHYL)ETHER							2000 U
BIS(2-CHLOROISOPROPYL) ETHER							2000 U
BIS(2-ETHYLHEXYL)PHTHALATE							2000 U
BUTYL BENZYL PHTHALATE							2000 U
CHRYSENE							2000 U
DI-N-BUTYL PHTHALATE							2000 U
DI-N-OCTYL PHTHALATE							2000 U
DIBENZO(A,H)ANTHRACENE							2000 U
DIBENZOFURAN							2000 U
DIETHYL PHTHALATE							2000 U
DIMETHYL PHTHALATE							2000 U
FLUORANTHENE							450 J
FLUORENE							2000 U
HEXACHLOROBENZENE							2000 U
HEXACHLOROBUTADIENE							2000 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE							2000 U
HEXACHLOROETHANE							2000 U
INDENO(1,2,3-CD)PYRENE							2000 U
ISOPHORONE							2000 U
N-NITROSO-DI-N-PROPYLAMINE							2000 U
N-NITROSODIPHENYLAMINE							2000 U
NAPHTHALENE							2000 U
NITROBENZENE							2000 U
PENTACHLOROPHENOL							9800 U
PHENANTHRENE							2000 U
PHENOL							2000 U
PYRENE							370 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD							55
4,4'-DDE							20 U
4,4'-DDT							20 U
ALDRIN							10 U
ALPHA-BHC							10 U
ALPHA-CHLORDANE							100 U
AROCLOR-1016							100 U
AROCLOR-1221							100 U
AROCLOR-1232							100 U
AROCLOR-1242							100 U
AROCLOR-1248							100 U
AROCLOR-1254							200 U
AROCLOR-1260							200 U
BETA-BHC							10 U
DELTA-BHC							10 U
DIELDRIN							20 U
ENDOSULFAN II							20 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AI

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE							20 U
ENDOSULFAN-I							10 U
ENDRIN							20 U
ENDRIN KETONE							20 U
GAMMA-BHC (LINDANE)							10 U
GAMMA-CHLORDANE							100 U
HEPTACHLOR							10 U
HEPTACHLOR EPOXIDE							10 U
METHOXYCHLOR							100 U
TOXAPHENE							200 U
INORGANICS (MG/KG)							
ALUMINUM							8730
ANTIMONY							5.8 UR
ARSENIC							2.1
BARIUM							42.8
BERYLLIUM							0.59 J
BORON							46.0 R
CADMIUM							2.1
CALCIUM							2830
CHROMIUM							16.1
COBALT							6.8
COPPER							30.9 J
CYANIDE							1.4 U
IRON							12300
LEAD							59.3
MAGNESIUM							4070
MANGANESE							228
MERCURY							0.12 U
NICKEL							13.7
POTASSIUM							255 J

000005

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1D	1SS1S	1SS2D	1SS2S	1SS3D	1SS3S	1SS4C
DEPTH (feet):	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
LOCATION:	1SS1	1SS1	1SS2	1SS2	1SS3	1SS3	1SS4C
SAMPLE DATE:	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM							0.93 J
SILVER							1.6 U
SODIUM							93.2 J
THALLIUM							0.46 U
VANADIUM							16.2
ZINC							64.9 J
TOTAL PETROLEUM HYDROCARBONS (MG/KG)							
TPH	730	130 J	140	110	9800	220	

000006

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507	-	-
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7		
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3	/ /	/ /
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94		
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	11 U	16 U	13 U	11 U	1 J		
1,1,2,2-TETRACHLOROETHANE	11 UJ	16 U	13 U	11 UJ	12 UJ		
1,1,2-TRICHLOROETHANE	11 U	16 U	13 U	11 U	12 UJ		
1,1-DICHLOROETHANE	11 U	16 U	13 U	11 U	12 UJ		
1,1-DICHLOROETHENE	11 U	16 U	13 U	11 U	12 UJ		
1,2-DICHLOROETHANE	11 U	16 U	13 U	11 U	12 UJ		
1,2-DICHLOROETHENE (TOTAL)	11 U	16 U	13 U	11 U	12 UJ		
1,2-DICHLOROPROPANE	11 U	16 U	13 U	11 U	12 UJ		
2-BUTANONE	20	16	13 U	15	170 J		
2-HEXANONE	11 UJ	16 U	13 U	11 UJ	12 UJ		
4-METHYL-2-PENTANONE	11 UJ	16 U	13 U	11 UJ	12 UJ		
ACETONE	90 U	55 U	16 U	56 U	200 U		
BENZENE	11 U	16 U	13 U	11 U	12 UJ		
BROMODICHLOROMETHANE	11 U	16 U	13 U	11 U	12 UJ		
BROMOFORM	11 U	16 U	13 U	11 U	12 UJ		
BROMOMETHANE	11 U	16 U	13 U	11 U	12 UJ		
CARBON DISULFIDE	11 U	16 U	13 U	11 U	12 U		
CARBON TETRACHLORIDE	11 U	16 U	13 U	11 U	12 UJ		
CHLOROBENZENE	11 UJ	16 U	13 U	11 UJ	12 UJ		
CHLOROETHANE	11 U	16 U	13 U	11 U	12 UJ		
CHLOROFORM	11 U	16 U	13 U	11 U	12 UJ		
CHLOROMETHANE	11 U	16 U	13 U	11 U	12 UJ		
CIS-1,3-DICHLOROPROPENE	11 U	16 U	13 U	11 U	12 UJ		
DIBROMOCHLOROMETHANE	11 U	16 U	13 U	11 U	12 UJ		
ETHYLBENZENE	11 UJ	23	13 U	23 J	79 J		
METHYLENE CHLORIDE	11 U	16 U	13 U	11 U	28 J		
STYRENE	11 UJ	16 U	13 U	11 UJ	12 UJ		
TETRACHLOROETHENE	11 UJ	16 U	13 U	2 J	4 J		
TOLUENE	11 U	16 U	13 U	11 U	17 U		

000007

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507	-	-
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7		
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3		
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94	/ /	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	11 U	16 U	13 U	11 U	12 UJ		
TRICHLOROETHENE	11 U	16 U	13 U	2 J	3 J		
VINYL ACETATE	11 UJ	16 U	13 U	11 UJ	12 UJ		
VINYL CHLORIDE	11 U	16 U	13 U	11 U	12 UJ		
XYLENES, TOTAL	38 J	97	1 J	29 J	380 J		
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	370 U	520 UJ	430 U	370 U	3800 U		
1,2-DICHLOROBENZENE	370 U	520 U	430 U	370 U	3800 U		
1,3-DICHLOROBENZENE	370 U	520 U	430 U	370 U	3800 U		
1,4-DICHLOROBENZENE	110 J	520 U	430 U	370 U	3800 U		
2,4,5-TRICHLOROPHENOL	890 U	1300 UJ	1000 U	890 U	9300 U		
2,4,6-TRICHLOROPHENOL	370 U	520 UJ	430 U	370 U	3800 U		
2,4-DICHLOROPHENOL	370 U	520 UJ	430 U	370 U	3800 U		
2,4-DIMETHYLPHENOL	370 U	520 UJ	430 U	370 U	3800 U		
2,4-DINITROPHENOL	890 U	1300 UJ	1000 U	890 U	9300 U		
2,4-DINITROTOLUENE	370 U	520 UJ	430 U	370 U	3800 U		
2,6-DINITROTOLUENE	370 U	520 UJ	430 U	370 U	3800 U		
2-CHLORONAPHTHALENE	370 U	520 UJ	430 U	370 U	3800 U		
2-CHLOROPHENOL	370 U	520 U	430 U	370 U	3800 U		
2-METHYLNAPHTHALENE	2100	12000	430 U	25 J	3800 U		
2-METHYLPHENOL	370 U	520 U	430 U	370 U	3800 U		
2-NITROANILINE	890 U	1300 UJ	1000 U	890 U	9300 U		
2-NITROPHENOL	370 U	520 UJ	430 U	370 U	3800 U		
3,3'-DICHLOROBENZIDINE	370 U	520 U	430 UJ	370 UJ	3800 UJ		
3-NITROANILINE	890 U	1300 UJ	1000 U	890 U	9300 U		
4,6-DINITRO-2-METHYLPHENOL	890 U	1300 UJ	1000 U	890 U	9300 U		
4-BROMOPHENYL PHENYL ETHER	370 U	520 UJ	430 U	370 U	3800 U		
4-CHLORO-3-METHYLPHENOL	370 U	520 UJ	430 U	370 U	3800 U		
4-CHLOROANILINE	370 U	520 UJ	430 U	370 U	3800 U		
4-CHLOROPHENYL PHENYL ETHER	370 U	520 UJ	430 U	370 U	3800 U		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507		
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7	-	-
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3		
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94	/ /	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	370 U	520 U	430 U	370 U	3800 U		
4-NITROANILINE	890 U	1300 UJ	1000 U	890 U	9300 U		
4-NITROPHENOL	890 U	1300 UJ	1000 U	890 U	9300 U		
ACENAPHTHENE	370 U	2800 J	430 U	370 U	240 J		
ACENAPHTHYLENE	370 U	520 UJ	430 U	35 J	3800 U		
ANTHRACENE	190 J	2800 J	430 U	86 J	500 J		
BENZO(A)ANTHRACENE	680	2300	430 U	230 J	1100 J		
BENZO(A)PYRENE	380 J	850	430 U	250 J	1100 J		
BENZO(B)FLUORANTHENE	630 J	1600	29 J	440	2200 J		
BENZO(G,H,I)PERYLENE	220 J	280 J	430 U	180 J	3800 U		
BENZO(K)FLUORANTHENE	610 J	520 U	430 U	370 U	3800 U		
BENZOIC ACID	1800 U	2500 UJ	1800 U	1800 U	18000 U		
BENZYL ALCOHOL	370 U	520 U	430 U	370 U	3800 U		
BIS(2-CHLOROETHOXY)METHANE	370 U	520 UJ	430 U	370 U	3800 U		
BIS(2-CHLOROETHYL)ETHER	370 U	520 U	430 U	370 U	3800 U		
BIS(2-CHLOROISOPROPYL) ETHER	370 U	520 U	430 U	370 U	3800 U		
BIS(2-ETHYLHEXYL)PHTHALATE	1300 U	2200 U	430 U	370 U	3800 U		
BUTYL BENZYL PHTHALATE	370 U	520 U	430 U	820 J	3800 U		
CARBAZOLE	370 U	700 J	430 U	35 J	240 J		
CHRYSENE	1100	1900	430 U	290 J	1600 J		
DI-N-BUTYL PHTHALATE	970	460 J	430 U	370 U	3800 U		
DI-N-OCTYL PHTHALATE	370 UJ	520 U	430 U	370 U	3800 U		
DIBENZO(A,H)ANTHRACENE	370 UJ	520 U	430 U	59 J	3800 U		
DIBENZOFURAN	370 U	2500 J	430 U	24 J	3800 U		
DIETHYL PHTHALATE	370 U	520 UJ	430 U	370 U	3800 U		
DIMETHYL PHTHALATE	370 U	520 UJ	430 U	370 U	3800 U		
FLUORANTHENE	1300 J	13000	42 J	650	3300 J		
FLUORENE	260 J	3600 J	430 U	43 J	300 J		
HEXACHLOROBENZENE	370 U	520 UJ	430 U	370 U	3800 U		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507		
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7	-	-
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3		
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94	/ /	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROBUTADIENE	370 U	520 UJ	430 U	370 U	3800 U		
HEXACHLOROCYCLOPENTADIENE	370 U	520 UJ	430 U	370 U	3800 U		
HEXACHLOROETHANE	370 U	520 U	430 U	370 U	3800 U		
INDENO(1,2,3-CD)PYRENE	200 J	290 J	430 U	210 J	950 J		
ISOPHORONE	370 U	520 UJ	430 U	370 U	3800 U		
N-NITROSO-DI-N-PROPYLAMINE	370 U	520 U	430 U	370 U	3800 U		
N-NITROSODIPHENYLAMINE	370 U	520 UJ	430 U	370 U	3800 U		
NAPHTHALENE	930	6500	430 U	370 U	3800 U		
NITROBENZENE	370 U	520 UJ	430 U	370 U	3800 U		
PENTACHLOROPHENOL	890 U	1300 UJ	1000 U	890 U	9300 U		
PHENANTHRENE	410	16000	53 J	430	2600 J		
PHENOL	370 U	520 U	430 U	370 U	3800 U		
PYRENE	1400	9000	37 J	560	2600 J		
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	3900	2100	24 J	37 U	38 U		
4,4'-DDE	58 J	25 J	43 UJ	37 U	38 U		
4,4'-DDT	26 J	7.9 J	140 J	37 U	38 U		
ALDRIN	19 U	2.6 J	22 UJ	19 U	20 U		
ALPHA-BHC	19 U	27 U	22 UJ	19 U	20 U		
ALPHA-CHLORDANE	28	9.9 J	22 UJ	19 U	20 U		
AROCLOR-1016	370 U	520 U	430 UJ	370 U	380 U		
AROCLOR-1221	740 U	1100 U	880 UJ	740 U	780 U		
AROCLOR-1232	370 U	520 U	430 UJ	370 U	380 U		
AROCLOR-1242	370 U	520 U	430 UJ	370 U	380 U		
AROCLOR-1248	370 U	520 U	430 UJ	370 U	360 J		
AROCLOR-1254	420 J	520 U	430 UJ	370 U	380 U		
AROCLOR-1260	370 U	520 U	430 UJ	370 U	380 U		
BETA-BHC	19 U	27 U	22 UJ	19 U	20 U		
DELTA-BHC	19 U	27 U	22 UJ	19 U	20 U		
DIELDRIN	29 J	31 J	43 UJ	37 U	38 U		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507		
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7	-	-
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3		
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94	/ /	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN II	37 U	52 U	43 UJ	37 U	38 U		
ENDOSULFAN SULFATE	37 U	52 U	43 UJ	37 U	38 U		
ENDOSULFAN-I	19 U	27 U	22 UJ	19 U	20 U		
ENDRIN	4.1 J	3.5 J	43 UJ	37 U	38 U		
ENDRIN ALDEHYDE	37 U	52 U	43 UJ	37 U	38 U		
ENDRIN KETONE	37 U	52 U	43 UJ	37 U	38 U		
GAMMA-BHC (LINDANE)	19 U	1.8 J	22 UJ	19 U	20 U		
GAMMA-CHLORDANE	7.6 J	27 U	22 UJ	19 U	20 U		
HEPTACHLOR	19 U	3.4 J	22 UJ	19 U	20 U		
HEPTACHLOR EPOXIDE	19 U	27 J	22 UJ	19 U	20 U		
METHOXYCHLOR	190 U	270 U	220 UJ	190 U	200 U		
TOXAPHENE	1900 U	2700 U	2200 UJ	1900 U	2000 U		
INORGANICS (MG/KG)							
ALUMINUM	10100	18900	14800	7110	7760		
ANTIMONY	6.8 J	17.4 J	5.5 J	5.3 J	11.8 J		
ARSENIC	4.8	10.2	5.4	2.7 U	3.3 J		
BARIUM	75.7 J	93.9 J	51.5 J	40.7 J	78.6 J		
BERYLLIUM	1.0 J	0.87 J	0.68 J	0.36 J	1.6		
BORON	11.4 U	19.7 J	13.0 U	11.4 U	14.6 J		
CADMIUM	1.2 J	2.6 J	0.81 J	0.73 J	1.7 J		
CALCIUM	3460 J	3520 J	1760 J	4240 J	9130 J		
CHROMIUM	34.1	42.9	19.1	14.7	34.7		
COBALT	6.2 J	9.3 J	6.1 J	4.7 J	9.5 J		
COPPER	115 J	147 J	14.1 J	31.3 J	164 J		
IRON	19100	31200	15700	12000	15800		
LEAD	104	366	32.4	4.8	207		
MAGNESIUM	2880	5610	3240	2490	2680		
MANGANESE	215	290	165	166	191		
MERCURY	0.21 J	0.18 U	0.15 J	0.47	0.61		
NICKEL	33.8	23.8 J	9.6 J	9.1 J	46.6		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1TB1-0002	1TB1-0608	1TB2-1214	1TB3-0002	1TB3-0507		
DEPTH (feet):	0 - 2	6 - 8	12 - 14	0 - 2	5 - 7	-	-
LOCATION:	1TB1	1TB1	1TB2	1TB3	1TB3		
SAMPLE DATE:	01/18/94	01/18/94	01/12/94	01/12/94	01/12/94	/ /	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
POTASSIUM	1660 J	3550 J	1390 J	1750 J	1460 J		
SELENIUM	0.5 U	0.71 U	0.52 U	0.46 U	0.46 U		
SILVER	0.45 U	0.71 U	0.52 U	0.46 U	0.46 U		
SODIUM	342 J	582 J	305 J	270 J	394 J		
THALLIUM	0.68 UJ	10.7 U	0.78 UJ	0.68 U	0.69 U		
VANADIUM	186	55.4	30.5	19.1 J	25.9		
ZINC	460 J	134 J	67.0 J	39.6 J	709 J		
TOTAL PETROLEUM HYDROCARBONS (MG/KG)							
TPH	2570	7510	67.6	514	41		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U				
1,1,2,2-TETRACHLOROETHANE	10 U		10 U				
1,1,2-TRICHLOROETHANE	10 U		10 U				
1,1-DICHLOROETHANE	10 U		10 U				
1,1-DICHLOROETHENE	10 U		10 U				
1,2-DICHLOROETHANE	10 U		10 U				
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U				
1,2-DICHLOROPROPANE	10 U		10 U				
2-BUTANONE	10 U		10 U				
2-HEXANONE	10 U		10 UJ				
4-METHYL-2-PENTANONE	10 U		10 U				
ACETONE	10 U		10 U				
BENZENE	10 U		10 U				
BROMODICHLOROMETHANE	10 U		10 U				
BROMOFORM	10 U		10 U				
BROMOMETHANE	10 U		10 U				
CARBON DISULFIDE	10 U		10 U				
CARBON TETRACHLORIDE	10 U		10 U				
CHLOROBENZENE	12		10 U				
CHLOROETHANE	10 U		10 U				
CHLOROFORM	10 U		10 U				
CHLOROMETHANE	10 U		10 U				
CIS-1,3-DICHLOROPROPENE	10 U		10 U				
DIBROMOCHLOROMETHANE	10 U		10 U				
ETHYLBENZENE	10 U		10 U				
METHYLENE CHLORIDE	10 U		10 U				
STYRENE	10 U		10 U				
TETRACHLOROETHENE	10 U		10 U				
TOLUENE	10 U		10 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
VOLATILES (UG/L)							
TRANS-1,3-DICHLOROPROPENE	10 U		10 U				
TRICHLOROETHENE	10 U		10 U				
VINYL ACETATE	10 U		10 U				
VINYL CHLORIDE	10 U		10 U				
XYLENES, TOTAL	24		10 U				
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U				
1,2-DICHLOROBENZENE	10 U		10 U				
1,3-DICHLOROBENZENE	10 U		10 U				
1,4-DICHLOROBENZENE	10 U		10 U				
2,4,5-TRICHLOROPHENOL	25 U		25 U				
2,4,6-TRICHLOROPHENOL	10 U		10 U				
2,4-DICHLOROPHENOL	10 U		10 U				
2,4-DIMETHYLPHENOL	10 U		10 U				
2,4-DINITROPHENOL	25 U		25 U				
2,4-DINITROTOLUENE	10 U		10 U				
2,6-DINITROTOLUENE	10 U		10 U				
2-CHLORONAPHTHALENE	10 U		10 U				
2-CHLOROPHENOL	10 U		10 U				
2-METHYLNAPHTHALENE	1 J		12				
2-METHYLPHENOL	10 U		10 U				
2-NITROANILINE	25 U		25 U				
2-NITROPHENOL	10 U		10 U				
3,3'-DICHLOROBENZIDINE	10 U		10 U				
3-NITROANILINE	25 U		25 U				
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U				
4-BROMOPHENYL PHENYL ETHER	10 U		10 U				
4-CHLORO-3-METHYLPHENOL	10 U		10 U				
4-CHLOROANILINE	10 U		10 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U				
4-METHYLPHENOL	1 J		0.6 J				
4-NITROANILINE	25 U		25 U				
4-NITROPHENOL	25 U		25 U				
ACENAPHTHENE	2 J		8 J				
ACENAPHTHYLENE	10 U		10 U				
ANTHRACENE	1 J		3 J				
BENZO(A)ANTHRACENE	10 U		10 U				
BENZO(A)PYRENE	10 U		10 U				
BENZO(B)FLUORANTHENE	10 U		10 U				
BENZO(G,H,I)PERYLENE	10 U		10 U				
BENZO(K)FLUORANTHENE	10 U		10 U				
BENZOIC ACID	50 U		50 U				
BENZYL ALCOHOL	10 U		10 U				
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U				
BIS(2-CHLOROETHYL)ETHER	10 U		10 U				
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U				
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U				
BUTYL BENZYL PHTHALATE	10 U		10 U				
CARBAZOLE	7 J		19				
CHRYSENE	10 U		10 U				
DI-N-BUTYL PHTHALATE	10 U		0.6 J				
DI-N-OCTYL PHTHALATE	10 U		10 U				
DIBENZO(A,H)ANTHRACENE	10 U		10 U				
DIBENZOFURAN	2 J		13				
DIETHYL PHTHALATE	1 J		1 J				
DIMETHYL PHTHALATE	10 U		10 U				
FLUORANTHENE	10 U		3 J				
FLUORENE	2 J		13				

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROBENZENE	10 U		10 U				
HEXACHLOROBUTADIENE	10 U		10 U				
HEXACHLOROCYCLOPENTADIENE	10 U		10 U				
HEXACHLOROETHANE	10 U		10 U				
INDENO(1,2,3-CD)PYRENE	10 U		10 U				
ISOPHORONE	10 U		10 U				
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U				
N-NITROSODIPHENYLAMINE	10 U		10 U				
NAPHTHALENE	9 J		31				
NITROBENZENE	10 U		10 U				
PENTACHLOROPHENOL	25 U		25 U				
PHENANTHRENE	4 J		22				
PHENOL	10 U		10 U				
PYRENE	10 U		1 J				
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U		0.1 UJ				
4,4'-DDE	0.1 U		0.1 UJ				
4,4'-DDT	0.1 U		0.1 UJ				
ALDRIN	0.05 U		0.05 UJ				
ALPHA-BHC	0.05 U		0.05 UJ				
ALPHA-CHLORDANE	0.05 U		0.05 UJ				
AROCLOR-1016	1 U		1 UJ				
AROCLOR-1221	2 U		2 UJ				
AROCLOR-1232	1 U		1 UJ				
AROCLOR-1242	1 U		1 UJ				
AROCLOR-1248	1 U		1 UJ				
AROCLOR-1254	1 U		1 UJ				
AROCLOR-1260	1 U		1 UJ				
BETA-BHC	0.05 U		0.05 UJ				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
DELTA-BHC	0.05 U		0.05 UJ				
DIELDRIN	0.1 U		0.1 UJ				
ENDOSULFAN II	0.1 U		0.1 UJ				
ENDOSULFAN SULFATE	0.1 U		0.1 UJ				
ENDOSULFAN-I	0.05 U		0.05 UJ				
ENDRIN	0.1 U		0.1 UJ				
ENDRIN ALDEHYDE	0.1 U		0.1 UJ				
ENDRIN KETONE	0.1 U		0.1 UJ				
GAMMA-BHC (LINDANE)	0.05 U		0.05 UJ				
GAMMA-CHLORDANE	0.05 U		0.05 UJ				
HEPTACHLOR	0.05 U		0.05 UJ				
HEPTACHLOR EPOXIDE	0.05 U		0.05 UJ				
METHOXYCHLOR	0.5 U		0.5 UJ				
TOXAPHENE	5 U		5 UJ				
INORGANICS (UG/L)							
ALUMINUM	132 U	66.0 U	94.9	22.7 U			
ANTIMONY	15.0 U	15.0 UJ	3.0 U	12.0 U			
ARSENIC	2.4 J	4.0 J	3.5	4.4			
BARIUM	35.5 J	32.1	92.5	90.6			
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U			
BORON	54.5 J	57.1 J	130	112			
CADMIUM	2.0 U	2.0 U	1.0 U	2.0 U			
CALCIUM	29900	29600	68500	67700			
CHROMIUM	4.5 U	3.0 U	1.6 J	3.0 U			
COBALT	7.6 U	4.8 U	1.0 U	3.0 U			
COPPER	2.0 U	2.0 U	2.2 U	2.0 U			
IRON	13400	13300	27600	27100			
LEAD	2.0 U	2.0 UJ	2.0 UJ	2.0 U			
MAGNESIUM	4290	4320	5400	5220			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1GW2S	1GW2S	1GW2S-2	1GW2S-2			
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2			
SAMPLE DATE:	03/20/94	03/20/94	06/26/94	06/26/94	/ /	/ /	/ /
LOCATION:	1MW2S	1MW2S	1MW2S	1MW2S			
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow			
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered			
DUPLICATE OF:							
INORGANICS (UG/L)							
MANGANESE	409	406	527	520			
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U			
NICKEL	10.0 U	10.0 U	12.0 U	7.0 U			
POTASSIUM	3490	2940	3930	4060			
SELENIUM	3.0 U	3.0 UJ	2.0 U	2.0 U			
SILVER	2.0 UJ	3.9 U	1.0 U	2.2			
SODIUM	17400	17900	28300	27500			
THALLIUM	1.0 UR	1.0 UR	20.0 UR	2.0 U			
VANADIUM	5.0 U	5.0 U	1.0 U	3.0 U			
ZINC	9.8 U	12.4	8.0	2.8			
TOTAL PETROLEUM HYDROCARBONS (UG/L)							
TPH	500 U		1200				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	96		180				

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 1 - CONSTRUCTION BATALLION UNIT DRUM STORAGE AREA

SAMPLE NUMBER:	1SS1S	1SS2S	1SS3S				
INVESTIGATION:	PH1	PH1	PH1				
SAMPLE DATE:	11/28/90	11/28/90	11/28/90				
LOCATION:	1SS1	1SS2	1SS3				
SAMPLE TYPE:	GRAB	GRAB	GRAB				
TCLP PCBS (MG/L)*							
AROCLOR-1016 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1221 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1232 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1242 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1248 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1254 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
AROCLOR-1260 (NA/0.005)	0.0004 U	0.0004 U	0.0004 U				
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.300 U	0.300 U	0.300 U				
BARIUM (100.0/1.0)	0.310 J	0.220 J	0.330 J				
CADMIUM (1.0/0.005)	0.0050 U	0.0050 U	0.0050 U				
CHROMIUM (5.0/0.05)	0.0500 U	0.0500 U	0.0500 U				
LEAD (5.0/0.015)	0.600	0.300 U	0.300 U				
MERCURY (0.2/0.002)	0.0020 U	0.0020 U	0.0020 U				
SELENIUM (1.0/0.05)	0.0020 U	0.0021 J	0.0021 U				
SILVER (5.0/0.036)	0.0070 UR	0.0070 UR	0.0070 UR				

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* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

APPENDIX D.2

SITE 2 - AREA A LANDFILL

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
1,1,2,2-TETRACHLOROETHANE	6 U	5 U	6 U	22	5 U	6 U	5 U
1,1,2-TRICHLOROETHANE	6 U	5 U	6 U	11	5 U	6 U	5 U
1,1-DICHLOROETHANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
1,1-DICHLOROETHENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
1,2-DICHLOROETHANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
1,2-DICHLOROETHENE (TOTAL)	6 U	5 U	6 U	6 U	5 U	6 U	5 U
1,2-DICHLOROPROPANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
2-BUTANONE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
2-HEXANONE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
4-METHYL-2-PENTANONE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
ACETONE	96	62	70	12 U	24 U	57 U	11 U
BENZENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
BROMODICHLOROMETHANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
BROMOFORM	6 U	5 U	6 U	6 U	5 U	6 U	5 U
BROMOMETHANE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
CARBON DISULFIDE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
CARBON TETRACHLORIDE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
CHLOROBENZENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
CHLOROETHANE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
CHLOROFORM	6 U	5 U	6 U	6 U	5 U	6 U	5 U
CHLOROMETHANE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
CIS-1,3-DICHLOROPROPENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
DIBROMOCHLOROMETHANE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
ETHYLBENZENE	6 U	5 U	6 U	6 U	5 U	29	5 U
METHYLENE CHLORIDE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
STYRENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
TETRACHLOROETHENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
TOLUENE	6 U	5 U	6 U	9 U	5 U	6 U	5 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	6 U	5 U	6 U	6 U	5 U	6 U	5 U
TRICHLOROETHENE	6 U	5 U	6 U	2 J	5 U	6 U	5 U
VINYL ACETATE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
VINYL CHLORIDE	11 U	11 U	12 U	12 U	11 U	11 U	11 U
XYLENES, TOTAL	6 U	5 U	6 U	6 U	4 J	200	5 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
1,2-DICHLOROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
1,3-DICHLOROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
1,4-DICHLOROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2,4,5-TRICHLOROPHENOL	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
2,4,6-TRICHLOROPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2,4-DICHLOROPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2,4-DIMETHYLPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2,4-DINITROPHENOL	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
2,4-DINITROTOLUENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2,6-DINITROTOLUENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2-CHLORONAPHTHALENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2-CHLOROPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2-METHYLNAPHTHALENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2-METHYLPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
2-NITROANILINE	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
2-NITROPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
3,3'-DICHLOROBENZIDINE	740 U	720 U	790 U	820 U	690 U	750 U	690 U
3-NITROANILINE	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
4,6-DINITRO-2-METHYLPHENOL	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
4-BROMOPHENYL PHENYL ETHER	370 U	360 U	390 U	410 U	350 U	370 U	350 U
4-CHLORO-3-METHYLPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
4-CHLOROANILINE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
4-CHLOROPHENYL PHENYL ETHER	370 U	360 U	390 U	410 U	350 U	370 U	350 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
4-NITROANILINE	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
4-NITROPHENOL	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
ACENAPHTHENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
ACENAPHTHYLENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
ANTHRACENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
BENZO(A)ANTHRACENE	370 U	360 U	390 U	410 U	350 U	370 U	97 J
BENZO(A)PYRENE	370 U	360 U	390 U	410 U	46 J	370 U	350 U
BENZO(B)FLUORANTHENE	370 U	360 U	390 U	410 U	350 U	370 U	130 J
BENZO(G,H,I)PERYLENE	370 U	360 U	390 U	410 U	44 J	370 U	350 U
BENZO(K)FLUORANTHENE	370 U	360 U	390 U	410 U	57 J	370 U	84 J
BENZOIC ACID	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
BENZYL ALCOHOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
BIS(2-CHLOROETHOXY)METHANE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
BIS(2-CHLOROETHYL)ETHER	370 U	360 U	390 U	410 U	350 U	370 U	350 U
BIS(2-CHLOROISOPROPYL) ETHER	370 U	360 U	390 U	410 U	350 U	370 U	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	370 U	360 U	1900 U	78 J	350 U	910 U	390
BUTYL BENZYL PHTHALATE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
CHRYSENE	370 U	360 U	390 U	410 U	37 J	370 U	120 J
DI-N-BUTYL PHTHALATE	370 U	360 U	390 U	410 U	61 J	370 U	350 U
DI-N-OCTYL PHTHALATE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
DIBENZO(A,H)ANTHRACENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
DIBENZOFURAN	370 U	360 U	390 U	410 U	350 U	370 U	350 U
DIETHYL PHTHALATE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
DIMETHYL PHTHALATE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
FLUORANTHENE	370 U	360 U	390 U	410 U	49 J	370 U	120 J
FLUORENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
HEXACHLOROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
HEXACHLOROBUTADIENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
HEXACHLOROETHANE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
INDENO(1,2,3-CD)PYRENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
ISOPHORONE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
N-NITROSO-DI-N-PROPYLAMINE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
N-NITROSODIPHENYLAMINE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
NAPHTHALENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
NITROBENZENE	370 U	360 U	390 U	410 U	350 U	370 U	350 U
PENTACHLOROPHENOL	1800 U	1700 U	1900 U	2000 U	1700 U	1800 U	1700 U
PHENANTHRENE	370 U	360 U	390 U	410 U	350 U	370 U	76 J
PHENOL	370 U	360 U	390 U	410 U	350 U	370 U	350 U
PYRENE	370 U	360 U	390 U	410 U	57 J	370 U	140 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	18 U	17 U	19 U	80 U	170 U	180 U	17 U
4,4'-DDE	18 U	17 U	19 U	80 U	170 U	180 U	17 U
4,4'-DDT	18 U	17 U	19 U	80 U	170 U	180 U	21 J
ALDRIN	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
ALPHA-BHC	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
ALPHA-CHLORDANE	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1016	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1221	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1232	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1242	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1248	90 U	87 U	95 U	400 U	860 U	900 U	84 U
AROCLOR-1254	180 U	170 U	190 U	800 U	1700 U	1800 U	170 U
AROCLOR-1260	180 U	170 U	190 U	800 U	1700 U	1800 U	170 U
BETA-BHC	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
DELTA-BHC	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
DIELDRIN	18 U	17 U	19 U	80 U	170 U	180 U	17 U
ENDOSULFAN II	18 U	17 U	19 U	80 U	170 U	180 U	17 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	18 U	17 U	19 U	80 U	170 U	180 U	17 U
ENDOSULFAN-I	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
ENDRIN	18 U	17 U	19 U	80 U	170 U	180 U	17 U
ENDRIN KETONE	18 U	17 U	19 U	80 U	170 U	180 U	17 U
GAMMA-BHC (LINDANE)	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
GAMMA-CHLORDANE	90 U	87 U	95 U	400 U	860 U	900 U	84 U
HEPTACHLOR	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
HEPTACHLOR EPOXIDE	9 U	8.7 U	9.5 U	40 U	86 U	90 U	8.4 U
METHOXYCHLOR	90 U	87 U	95 U	400 U	860 U	900 U	84 U
TOXAPHENE	180 U	170 U	190 U	800 U	1700 U	1800 U	170 U
INORGANICS (MG/KG)							
ALUMINUM	12700	13600	15100	13300 J	8710	6740	6670
ANTIMONY	1.8 UJ	1.9 UJ	1.9 UJ	14.9 UR	12.8 UJ	13.4 UJ	12.5 UJ
ARSENIC	3.9	3.5	3.3	4.6 J	1.8	2.7	3.7 J
BARIUM	43.5	44.8	47.2	18.4 J	57.5	32.8	49.0
BERYLLIUM	0.54	0.63	0.62	0.54 J	0.42	0.46	0.65
BORON	46.0 R	47.0 R	48.0 R	50.0 R	43.0 R	45.0 R	50.0 R
CADMIUM	4.3	4.8	4.9	3.7 J	3.3	6.9	2.7
CALCIUM	1170 J	1130 J	1410 J	856 J	1320	971	1690 J
CHROMIUM	19.8 J	22.0 J	22.7 J	18.9 J	14.4 J	17.3 J	16.2
COBALT	6.8	6.8	7.2	5.7 J	6.5	4.5 U	6.6
COPPER	15.8 J	17.8 J	18.2 J	12.4 J	31.2 J	45.5 J	103 J
CYANIDE	1.4 U	1.5 U	1.5 U	1.5 UJ	1.4 U	1.4 U	1.3 U
IRON	12600	13100	13700	11500 J	10900	8260	9890 J
LEAD	5.9 J	5.9 J	5.5 J	6.8 J	18.1 J	25.3 J	95.8 J
MAGNESIUM	3410	3370	3900	2460 J	3440	1740	2250 J
MANGANESE	133 J	134 J	157 J	74.0 J	144 J	101 J	132 J
MERCURY	0.11 U	0.11 U	0.11 U	0.12 U	0.09 U	3.6	0.11 U
NICKEL	13.2 J	16.2 J	14.2 J	12.4 J	15.6 J	12.4 J	36.3 J
POTASSIUM	1420 J	1400 J	1340 J	549 J	1770 J	861 J	1250

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
DEPTH (feet):	2 - 4	2 - 4	6 - 8	5 - 7	0 - 2	4 - 8	0 - 2
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		082290-2LMW13(2-4)					
INORGANICS (MG/KG)							
SELENIUM	0.46 U	0.47 U	0.48 U	0.48 UJ	0.42 U	0.45 U	0.41 U
SILVER	3.1 J	1.9 U	1.9 U	2.0 UR	1.7 UJ	1.8 UJ	1.7 U
SODIUM	115 J	205 J	152 J	110 J	210 J	211 J	108 J
THALLIUM	0.92 U	0.94 U	0.95 U	0.96 UJ	0.83 U	0.91 U	0.82 U
VANADIUM	28.3	29.8	33.0	24.9 J	24.4	13.9	36.2
ZINC	45.5 J	32.9 J	50.0 J	27.5 J	75.6 J	93.8 J	349 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - 10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,1,2-TRICHLOROETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,1-DICHLOROETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,1-DICHLOROETHENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,2-DICHLOROETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,2-DICHLOROETHENE (TOTAL)	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
1,2-DICHLOROPROPANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
2-BUTANONE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
2-HEXANONE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
4-METHYL-2-PENTANONE	12	11 U	75 U	11 U	11 U	11 U	5300 U
ACETONE	58	11 U	75 U	11 U	11 U	11 U	5300 U
BENZENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
BROMODICHLOROMETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
BROMOFORM	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
BROMOMETHANE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
CARBON DISULFIDE	5 J	5 U	37 U	5 U	5 U	6 U	2600 U
CARBON TETRACHLORIDE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
CHLOROBENZENE	5 U	5 U	37 U	5 U	5 U	6 U	4500
CHLOROETHANE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
CHLOROFORM	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
CHLOROMETHANE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
DIBROMOCHLOROMETHANE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
ETHYLBENZENE	15	5 U	37 U	5 U	5 U	6 U	14000
METHYLENE CHLORIDE	1 J	5 U	37 U	5 U	5 U	6 U	2600 U
STYRENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
TETRACHLOROETHENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
TOLUENE	5 U	5 U	11 J	5 U	5 U	6 U	2600 U

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SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - 10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
TRICHLOROETHENE	5 U	5 U	37 U	5 U	5 U	6 U	2600 U
VINYL ACETATE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
VINYL CHLORIDE	11 U	11 U	75 U	11 U	11 U	11 U	5300 U
XYLENES, TOTAL	180	5 U	37 U	5 U	5 U	6 U	75000
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
1,2-DICHLOROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
1,3-DICHLOROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
1,4-DICHLOROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2,4,5-TRICHLOROPHENOL	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
2,4,6-TRICHLOROPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2,4-DICHLOROPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2,4-DIMETHYLPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2,4-DINITROPHENOL	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
2,4-DINITROTOLUENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2,6-DINITROTOLUENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2-CHLORONAPHTHALENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2-CHLOROPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2-METHYLNAPHTHALENE	1800 U	350 U	53 J	1800 U	1800 U	3700 U	340 U
2-METHYLPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
2-NITROANILINE	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
2-NITROPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
3,3'-DICHLOROBENZIDINE	3500 U	690 U	990 U	3600 U	3600 U	7400 U	680 U
3-NITROANILINE	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
4,6-DINITRO-2-METHYLPHENOL	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
4-BROMOPHENYL PHENYL ETHER	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
4-CHLORO-3-METHYLPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
4-CHLOROANILINE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
4-CHLOROPHENYL PHENYL ETHER	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - 10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
4-NITROANILINE	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
4-NITROPHENOL	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
ACENAPHTHENE	1800 U	350 U	50 J	1800 U	1800 U	3700 U	340 U
ACENAPHTHYLENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
ANTHRACENE	230 J	350 U	260 J	1800 U	1800 U	3700 U	340 U
BENZO(A)ANTHRACENE	370 J	99 J	290 J	490 J	570 J	360 J	130 J
BENZO(A)PYRENE	310 J	350 U	250 J	1800 U	1800 U	430 J	340 U
BENZO(B)FLUORANTHENE	1800 U	70 J	260 J	280 J	1800 U	370 J	220 J
BENZO(G,H,I)PERYLENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
BENZO(K)FLUORANTHENE	1800 U	120 J	210 J	560 J	1800 U	640 J	96 J
BENZOIC ACID	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
BENZYL ALCOHOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
BIS(2-CHLOROETHOXY)METHANE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
BIS(2-CHLOROETHYL)ETHER	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
BIS(2-CHLOROISOPROPYL) ETHER	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
BIS(2-ETHYLHEXYL)PHTHALATE	1500 J	1200 U	990	1900	1800 U	3700 U	350 U
BUTYL BENZYL PHTHALATE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
CHRYSENE	350 J	100 J	380 J	460 J	460 J	410 J	160 J
DI-N-BUTYL PHTHALATE	1800 U	76 J	490 U	1800 U	1800 U	3700 U	340 U
DI-N-OCTYL PHTHALATE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
DIBENZO(A,H)ANTHRACENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
DIBENZOFURAN	1800 U	350 U	83 J	1800 U	1800 U	3700 U	340 U
DIETHYL PHTHALATE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
DIMETHYL PHTHALATE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
FLUORANTHENE	940 J	170 J	780	600 J	670 J	750 J	160 J
FLUORENE	1800 U	350 U	130 J	1800 U	1800 U	3700 U	340 U
HEXACHLOROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
HEXACHLOROBUTADIENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - 10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
HEXACHLOROETHANE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
INDENO(1,2,3-CD)PYRENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
ISOPHORONE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
N-NITROSO-DI-N-PROPYLAMINE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
N-NITROSODIPHENYLAMINE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
NAPHTHALENE	360 J	350 U	120 J	1800 U	1800 U	3700 U	340 U
NITROBENZENE	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
PENTACHLOROPHENOL	8600 U	1700 U	2400 U	8700 U	8800 U	18000 U	1600 U
PHENANTHRENE	780 J	140 J	680	380 J	390 J	410 J	66 J
PHENOL	1800 U	350 U	490 U	1800 U	1800 U	3700 U	340 U
PYRENE	820 J	200 J	550	680 J	970 J	590 J	110 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	24 J	190	190 J	170 U	180 U	180 U	17 U
4,4'-DDE	24 J	16 J	80 U	170 U	180 U	180 U	17 U
4,4'-DDT	83 J	47 J	80 U	170 U	180 U	180 U	71 J
ALDRIN	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
ALPHA-BHC	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
ALPHA-CHLORDANE	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1016	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1221	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1232	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1242	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1248	86 U	830 U	400 U	860 U	910 U	900 U	86 U
AROCLOR-1254	170 U	1700 U	800 U	1700 U	1800 U	1800 U	170 U
AROCLOR-1260	170 U	1700 U	800 U	1700 U	1800 U	1800 U	350 J
BETA-BHC	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
DELTA-BHC	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
DIELDRIN	17 U	170 U	80 U	170 U	180 U	180 U	17 U
ENDOSULFAN II	17 U	170 U	80 U	170 U	180 U	180 U	17 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - 10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	17 U	170 U	80 U	170 U	180 U	180 U	17 U
ENDOSULFAN-I	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
ENDRIN	17 U	170 U	80 U	170 U	180 U	180 U	17 U
ENDRIN KETONE	17 U	170 U	80 U	170 U	180 U	180 U	17 U
GAMMA-BHC (LINDANE)	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
GAMMA-CHLORDANE	86 U	830 U	400 U	860 U	910 U	900 U	86 U
HEPTACHLOR	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
HEPTACHLOR EPOXIDE	8.6 U	83 U	40 U	86 U	91 U	90 U	8.6 U
METHOXYCHLOR	86 U	830 U	400 U	860 U	910 U	900 U	86 U
TOXAPHENE	170 U	1700 U	800 U	1700 U	1800 U	1800 U	170 U
INORGANICS (MG/KG)							
ALUMINUM	7790	4450	9680 J	6470	7020	7130	6160
ANTIMONY	15.7 UJ	12.2 UJ	15.6 UR	12.5 UJ	12.8 U	13.2 U	5.3 UR
ARSENIC	1.9 J	1.2	8.0 J	1.9	2.2	1.6	2.0
BARIUM	116	25.4	42.5 J	47.2	62.3	79.5	56.4
BERYLLIUM	3.9	0.25	0.53 J	1.2	3.0	2.1	1.5 J
BORON	130 R	41.0 R	1882 R	52.0 R	45.0 R	82.0 R	43.0 R
CADMIUM	6.2	2.3	12.1 J	4.3	4.5	6.0	4.4
CALCIUM	3680 J	2140	5800 J	1650	1990	2590	1900
CHROMIUM	31.2	8.8 J	40.2 J	19.6 J	15.7 J	23.1 J	21.2
COBALT	20.5	4.3	8.5 J	14.9	23.8	22.0	8.1
COPPER	507 J	14.1 J	30.0 J	210	378	300	120
CYANIDE	1.6 U	1.3 U	1.8 UJ	1.4 U	1.4 U	1.4 U	1.3 U
IRON	20000 J	8370	49700 J	12300	15200	17700	12800
LEAD	277 J	7.6 J	32.9 J	114 J	118 J	160 J	85.7
MAGNESIUM	2310 J	2550	5020 J	2660	2970	2570	2160
MANGANESE	288 J	109 J	332 J	241 J	228	244	151
MERCURY	0.47	0.1 U	0.14 U	0.1 U	0.1 U	0.11 U	0.11 U
NICKEL	159 J	9.6 J	24.9 J	44.6 J	76.2 J	55.7 J	29.8
POTASSIUM	1230	902 J	2370 J	782 J	1120 J	1120 J	935 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
DEPTH (feet):	2 - 6	7 - .10	6 - 10	2 - 8	0 - 4	0 - 4	0 - 0.5
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						081790-2LMW9(0-4)	
INORGANICS (MG/KG)							
SELENIUM	0.5 U	0.41 U	0.77 J	0.43 U	0.43 U	0.44 U	0.47 J
SILVER	2.69 U	1.6 UJ	2.1 UR	1.7 UJ	1.7 U	1.8 U	1.5 U
SODIUM	427 J	220 J	600 J	273 J	306 J	363 J	204 J
THALLIUM	1.0 U	0.82 U	1.1 UJ	0.87 U	0.85 U	0.88 U	0.43 U
VANADIUM	24.5	16.2	30.6 J	17.4	19.6	20.0	19.7
ZINC	2640 J	30.0 J	229 J	902 J	1480 J	2450 J	299

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2,2-TETRACHLOROETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2-TRICHLOROETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-DICHLOROETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-DICHLOROETHENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-DICHLOROETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-DICHLOROETHENE (TOTAL)	5 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-DICHLOROPROPANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
2-BUTANONE	2 J	11 U	12 U	11 U	11 U	11 U	12 U
2-HEXANONE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
4-METHYL-2-PENTANONE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
ACETONE	11 U	9 J	14	12	15	11 U	13
BENZENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
BROMODICHLOROMETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
BROMOFORM	5 U	11 U	12 U	11 U	11 U	11 U	12 U
BROMOMETHANE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
CARBON DISULFIDE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
CARBON TETRACHLORIDE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
CHLOROBENZENE	43 J	11 U	12 U	11 U	11 U	11 U	12 U
CHLOROETHANE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
CHLOROFORM	5 U	11 U	12 U	11 U	11 U	11 U	12 U
CHLOROMETHANE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
CIS-1,3-DICHLOROPROPENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
DIBROMOCHLOROMETHANE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
ETHYLBENZENE	2 J	11 U	12 U	11 U	11 U	11 U	12 U
METHYLENE CHLORIDE	3 J	5 J	6 J	5 J	6 J	5 J	6 J
STYRENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
TETRACHLOROETHENE	4 J	11 U	12 U	11 U	11 U	11 U	12 U
TOLUENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	5 U	11 U	12 U	11 U	11 U	11 U	12 U
TRICHLOROETHENE	2 J	11 U	12 U	11 U	11 U	11 U	12 U
VINYL ACETATE	11 U						
VINYL CHLORIDE	11 U	11 U	12 U	11 U	11 U	11 U	12 U
XYLENES, TOTAL	4 J	11 U	12 U	11 U	11 U	11 U	12 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
1,2-DICHLOROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
1,3-DICHLOROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
1,4-DICHLOROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2,2'-OXYBIS(1-CHLOROPROPANE)		380 U	400 U	380 U	380 U	360 U	380 U
2,4,5-TRICHLOROPHENOL	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
2,4,6-TRICHLOROPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2,4-DICHLOROPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2,4-DIMETHYLPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2,4-DINITROPHENOL	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
2,4-DINITROTOLUENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2,6-DINITROTOLUENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2-CHLORONAPHTHALENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2-CHLOROPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2-METHYLNAPHTHALENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2-METHYLPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
2-NITROANILINE	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
2-NITROPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
3,3'-DICHLOROBENZIDINE	19000 U	380 U	400 U	380 U	380 U	360 U	380 U
3-NITROANILINE	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
4,6-DINITRO-2-METHYLPHENOL	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
4-BROMOPHENYL PHENYL ETHER	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
4-CHLORO-3-METHYLPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
4-CHLOROANILINE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
SEMIVOLATILES (UG/KG)							
4-CHLOROPHENYL PHENYL ETHER	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
4-METHYLPHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
4-NITROANILINE	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
4-NITROPHENOL	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
ACENAPHTHENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
ACENAPHTHYLENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
ANTHRACENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
BENZO(A)ANTHRACENE	9300 U	380 U	400 U	380 U	120 J	360 U	380 U
BENZO(A)PYRENE	9300 U	380 U	400 U	380 U	140 J	360 U	380 U
BENZO(B)FLUORANTHENE	9300 U	380 U	400 U	380 U	170 J	360 U	380 U
BENZO(G,H,I)PERYLENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
BENZO(K)FLUORANTHENE	9300 U	380 U	400 U	380 U	89 J	360 U	380 U
BENZOIC ACID	45000 U						
BENZYL ALCOHOL	9300 U						
BIS(2-CHLOROETHOXY)METHANE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
BIS(2-CHLOROETHYL)ETHER	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
BIS(2-CHLOROISOPROPYL) ETHER	9300 U						
BIS(2-ETHYLHEXYL)PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
BUTYL BENZYL PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
CARBAZOLE		380 U	400 U	380 U	380 U	360 U	380 U
CHRYSENE	9300 U	380 U	400 U	380 U	120 J	360 U	380 U
DI-N-BUTYL PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
DI-N-OCTYL PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
DIBENZO(A,H)ANTHRACENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
DIBENZOFURAN	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
DIETHYL PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
DIMETHYL PHTHALATE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
FLUORANTHENE	9300 U	380 U	400 U	140 J	230 J	360 U	380 U
FLUORENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
SEMIVOLATILES (UG/KG)							
HEXACHLOROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
HEXACHLOROBUTADIENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
HEXACHLOROCYCLOPENTADIENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
HEXACHLOROETHANE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
INDENO(1,2,3-CD)PYRENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
ISOPHORONE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
N-NITROSO-DI-N-PROPYLAMINE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
N-NITROSODIPHENYLAMINE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
NAPHTHALENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
NITROBENZENE	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
PENTACHLOROPHENOL	45000 U	930 U	970 U	920 U	930 U	880 U	930 U
PHENANTHRENE	9300 U	380 U	400 U	380 U	150 J	360 U	380 U
PHENOL	9300 U	380 U	400 U	380 U	380 U	360 U	380 U
PYRENE	1100 J	380 U	400 U	160 J	270 J	360 U	380 U
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
4,4'-DDE	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
4,4'-DDT	2300 J	3.9 U	4 U	3.8 U	6.8	3.7 U	3.9 U
ALDRIN	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
ALPHA-BHC	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
ALPHA-CHLORDANE	860 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
AROCLOR-1016	860 U	39 U	40 U	38 U	39 U	37 U	39 U
AROCLOR-1221	860 U	78 U	81 U	78 U	79 U	74 U	79 U
AROCLOR-1232	860 U	39 U	40 U	38 U	39 U	37 U	39 U
AROCLOR-1242	860 U	39 U	40 U	38 U	39 U	37 U	39 U
AROCLOR-1248	860 U	39 U	40 U	38 U	39 U	37 U	39 U
AROCLOR-1254	1700 U	39 U	40 U	15 J	20 J	37 U	39 U
AROCLOR-1260	12000	39 U	40 U	38 U	39 U	37 U	39 U
BETA-BHC	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
DELTA-BHC	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
PESTICIDES/PCBs (UG/KG)							
DIELDRIN	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
ENDOSULFAN II	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
ENDOSULFAN SULFATE	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
ENDOSULFAN-I	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
ENDRIN	170 U	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
ENDRIN ALDEHYDE		3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
ENDRIN KETONE	570	3.9 U	4 U	3.8 U	3.9 U	3.7 U	3.9 U
GAMMA-BHC (LINDANE)	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
GAMMA-CHLORDANE	860 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
HEPTACHLOR	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
HEPTACHLOR EPOXIDE	86 U	2 U	2.1 U	2 U	2 U	1.9 U	2 U
METHOXYCHLOR	860 U	20 U	21 U	20 U	20 U	19 U	20 U
TOXAPHENE	1700 U	200 U	210 U	200 U	200 U	190 U	200 U
INORGANICS (MG/KG)							
ALUMINUM	5910	7150	12200	6180	8220	8580	5680
ANTIMONY	5.3 UR	2.6 U	3.2 U	2.9 U	3.0 U	2.4 U	2.3 U
ARSENIC	1.1	0.5	2.2	1.2	1.9	1.1	0.59
BARIUM	53.7	54.5	36.6	38.8	48.1	42.5	49.1
BERYLLIUM	0.53 J	0.31	0.5	0.36	0.34	0.37	0.24
BORON	42.0 R	2.9 U	3.6 U	3.3 U	3.4 U	2.7 U	2.6 U
CADMIUM	3.9	0.35 U	0.43 U	0.39 U	0.41 U	0.33 U	0.31 U
CALCIUM	1610	1300	794	1500	6090	969	1100
CHROMIUM	15.6	8.2	12.7	9.2	10.7	9.7	6.5
COBALT	5.6	5.7	5.2	4.5	5.4	5.3	4.6
COPPER	56.7 J	4.3	7.3	15.5	9.4	6.2	3.1
CYANIDE	1.2 U	0.11 U	0.11 U	0.09	0.11 U	0.09 U	0.1 U
IRON	11800	10100	11700	7660	10100	10200	7960
LEAD	36.2	5.0	7.4	13.6	15.9	5.0	4.9
MAGNESIUM	1990	3960	2610	2320	2990	3120	3070
MANGANESE	136	247	145	177	179	254	213

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LSS20 (0-1)	2LSS21 (0-1)	2LSS22 (0-1)	2LSS23 (0-1)	2LSS24 (0-1)	2LSS30 (0-1)
DEPTH (feet):	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2LSS2	2LSS20	2LSS21	2LSS22	2LSS23	2LSS24	2LSS30
SAMPLE DATE:	11/28/90	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94	03/28/94
INVESTIGATION:	PH1	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LSS20 (0-1)
INORGANICS (MG/KG)							
MERCURY	0.11 U	0.02 U	0.04 U	0.04 U	0.03	0.03 U	0.02 U
NICKEL	26.7	5.6	7.6	7.4	7.2	5.9	4.9
POTASSIUM	1050 J	3110	1270	1470	1830	1930	2370
SELENIUM	0.36 J	0.28 U	0.35 U	0.32 U	0.33 U	0.26 U	0.25 U
SILVER	1.5 U	0.59 U	0.74 U	0.68 U	0.7 U	0.56 U	0.53 U
SODIUM	170 J	37.4	34.3	42.5	113	38.6	33.6
THALLIUM	0.43 U	0.46 U	0.57 U	0.53 U	0.55 U	0.44 U	0.41 U
VANADIUM	23.9	17.9	24.5	15.6	19.7	18.0	15.0
ZINC	128	34.0	24.5	74.4	46.6	28.7	29.6

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	11 U						
1,1,2,2-TETRACHLOROETHANE	11 U						
1,1,2-TRICHLOROETHANE	11 U						
1,1-DICHLOROETHANE	11 U						
1,1-DICHLOROETHENE	11 U						
1,2-DICHLOROETHANE	11 U						
1,2-DICHLOROETHENE (TOTAL)	11 U						
1,2-DICHLOROPROPANE	11 U						
2-BUTANONE	11 U						
2-HEXANONE	11 U						
4-METHYL-2-PENTANONE	11 U						
ACETONE	24 U						
BENZENE	11 U						
BROMODICHLOROMETHANE	11 U						
BROMOFORM	11 U						
BROMOMETHANE	11 U						
CARBON DISULFIDE	11 U						
CARBON TETRACHLORIDE	11 U						
CHLOROBENZENE	11 U						
CHLOROETHANE	11 U						
CHLOROFORM	11 U						
CHLOROMETHANE	11 U						
CIS-1,3-DICHLOROPROPENE	11 U						
DIBROMOCHLOROMETHANE	11 U						
ETHYLBENZENE	11 U						
METHYLENE CHLORIDE	12 U						
STYRENE	11 U						
TETRACHLOROETHENE	11 U						
TOLUENE	11 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	11 U						
TRICHLOROETHENE	11 U						
VINYL CHLORIDE	11 U						
XYLENES, TOTAL	11 U						
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	350 U						
1,2-DICHLOROBENZENE	350 U						
1,3-DICHLOROBENZENE	350 U						
1,4-DICHLOROBENZENE	350 U						
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U						
2,4,5-TRICHLOROPHENOL	840 U						
2,4,6-TRICHLOROPHENOL	350 U						
2,4-DICHLOROPHENOL	350 U						
2,4-DIMETHYLPHENOL	350 U						
2,4-DINITROPHENOL	840 U						
2,4-DINITROTOLUENE	350 U						
2,6-DINITROTOLUENE	350 U						
2-CHLORONAPHTHALENE	350 U						
2-CHLOROPHENOL	350 U						
2-METHYLNAPHTHALENE	350 U						
2-METHYLPHENOL	350 U						
2-NITROANILINE	840 U						
2-NITROPHENOL	350 U						
3,3'-DICHLOROBENZIDINE	350 U						
3-NITROANILINE	840 U						
4,6-DINITRO-2-METHYLPHENOL	840 U						
4-BROMOPHENYL PHENYL ETHER	350 U						
4-CHLORO-3-METHYLPHENOL	350 U						
4-CHLOROANILINE	350 U						
4-CHLOROPHENYL PHENYL ETHER	350 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	350 U						
4-NITROANILINE	840 U						
4-NITROPHENOL	840 U						
ACENAPHTHENE	350 U						
ACENAPHTHYLENE	350 U						
ANTHRACENE	350 U						
BENZO(A)ANTHRACENE	350 U						
BENZO(A)PYRENE	350 U						
BENZO(B)FLUORANTHENE	350 U						
BENZO(G,H,I)PERYLENE	350 U						
BENZO(K)FLUORANTHENE	350 U						
BIS(2-CHLOROETHOXY)METHANE	350 U						
BIS(2-CHLOROETHYL)ETHER	350 U						
BIS(2-ETHYLHEXYL)PHTHALATE	350 U						
BUTYL BENZYL PHTHALATE	350 U						
CARBAZOLE	350 U						
CHRYSENE	350 U						
DI-N-BUTYL PHTHALATE	350 U						
DI-N-OCTYL PHTHALATE	350 U						
DIBENZO(A,H)ANTHRACENE	350 U						
DIBENZOFURAN	350 U						
DIETHYL PHTHALATE	350 U						
DIMETHYL PHTHALATE	350 U						
FLUORANTHENE	350 U						
FLUORENE	350 U						
HEXACHLOROBENZENE	350 U						
HEXACHLOROBUTADIENE	350 U						
HEXACHLOROCYCLOPENTADIENE	350 U						
HEXACHLOROETHANE	350 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
INDENO(1,2,3-CD)PYRENE	350 U						
ISOPHORONE	350 U						
N-NITROSO-DI-N-PROPYLAMINE	350 U						
N-NITROSODIPHENYLAMINE	350 U						
NAPHTHALENE	350 U						
NITROBENZENE	350 U						
PENTACHLOROPHENOL	840 U						
PHENANTHRENE	350 U						
PHENOL	350 U						
PYRENE	350 U						
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	96 J						
4,4'-DDE	45 J						
4,4'-DDT	110 J						
ALDRIN	3.6 UJ						
ALPHA-BHC	3.6 UJ						
ALPHA-CHLORDANE	12 J						
AROCLOR-1016	69 UJ						
AROCLOR-1221	140 UJ						
AROCLOR-1232	69 UJ						
AROCLOR-1242	69 UJ						
AROCLOR-1248	69 UJ		780	94	62	130	51
AROCLOR-1254	220 J		263.6 U	200	110	241.08 U	130
AROCLOR-1260	69 UJ						
BETA-BHC	3.6 UJ						
DELTA-BHC	3.6 UJ						
DIELDRIN	6.9 UJ						
ENDOSULFAN II	6.9 UJ						
ENDOSULFAN SULFATE	6.9 UJ						
ENDOSULFAN-I	3.6 UJ						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDRIN	6.9 UJ						
ENDRIN ALDEHYDE	6.9 UJ						
ENDRIN KETONE	6.9 UJ						
GAMMA-BHC (LINDANE)	3.6 UJ						
GAMMA-CHLORDANE	12 J						
HEPTACHLOR	3.6 UJ						
HEPTACHLOR EPOXIDE	3.6 UJ						
METHOXYCHLOR	36 UJ						
TOXAPHENE	360 UJ						
DIOXINS/FURANS (UG/KG)							
1,2,3,4,6,7,8-HPCDD	0.464 U	0.32 UJ					
1,2,3,4,6,7,8-HPCDF	0.301 U	0.08 UJ					
1,2,3,4,7,8,9-HPCDF	0.219 U	0.09 UJ					
1,2,3,4,7,8-HXCDD	0.127 U	0.26 UJ					
1,2,3,4,7,8-HXCDF	0.334 U	0.2 UJ					
1,2,3,6,7,8-HXCDD	0.157 U	0.2 UJ					
1,2,3,6,7,8-HXCDF	0.055 U	0.19 UJ					
1,2,3,7,8,9-HXCDD	0.314 U	0.16 UJ					
1,2,3,7,8,9-HXCDF	0.062 U	0.17 UJ					
1,2,3,7,8-PECDD	0.29 U	0.06 U					
1,2,3,7,8-PECDF	0.222 U	0.15 U					
2,3,4,6,7,8-HXCDF	0.12 U	0.11 UJ					
2,3,4,7,8-PECDF	0.08 U	0.09 U					
2,3,7,8-TCDD	0.183 U	0.07 U					
2,3,7,8-TCDF	0.068 U	0.05 U					
OCDD	1.592	2.5 J					
OCDF	0.379 U	0.15 UJ					
TOTAL HPCDD		0.3 U					
TOTAL HPCDF		0.08 U					
TOTAL HXCDD		0.2 U					

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
DIOXINS/FURANS (UG/KG)							
TOTAL HXCDF		0.1 U					
TOTAL PECDD		0.06 U					
TOTAL PECDF		0.09 U					
TOTAL TCDD		0.07 U					
TOTAL TCDF		0.05 U					
INORGANICS (MG/KG)							
ALUMINUM	5450						
ANTIMONY	3.6 UJ						
ARSENIC	0.95 UJ						
BARIUM	43.1 J						
BERYLLIUM	0.83						
BORON	2.6 U						
CADMIUM	0.91 J						
CALCIUM	1490						
CHROMIUM	12.1 J						
COBALT	8.0						
COPPER	101 J						
CYANIDE	0.09 U						
IRON	10300						
LEAD	119						
MAGNESIUM	2400						
MANGANESE	134 J						
MERCURY	0.22						
NICKEL	26.0 J						
POTASSIUM	1330						
SELENIUM	0.22 UJ						
SILVER	0.41 U						
SODIUM	421						
THALLIUM	0.26 U						
VANADIUM	17.3						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB13 (0-2)	2LTB13-0001	2LTB13-0001A(FIELD)	2LTB13-0102(FIELD)	2LTB13-0204(FIELD)	2LTB13-0406(FIELD)	2LTB13-0608(FIELD)
DEPTH (feet):	0 - 2	0 - 1	0 - 1	1 - 2	2 - 4	4 - 6	6 - 8
LOCATION:	2LTB13-FFS	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2	2LTB13-PH2
SAMPLE DATE:	11/09/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
ZINC	270 J						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
1,1,2,2-TETRACHLOROETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
1,1,2-TRICHLOROETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
1,1-DICHLOROETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
1,1-DICHLOROETHENE	12 U	11 U	10 U	11 U		28 U	3000 U
1,2-DICHLOROETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
1,2-DICHLOROETHENE (TOTAL)	12 U	11 U	10 U	11 U		28 U	3000 U
1,2-DICHLOROPROPANE	12 U	11 U	10 U	11 U		28 U	3000 U
2-BUTANONE	12 U	12 U	13 U	11 U		57 U	3000 U
2-HEXANONE	12 U	11 U	10 U	11 U		57 U	3000 U
4-METHYL-2-PENTANONE	12 U	11 U	10 U	11 U		57 U	3000 U
ACETONE	65 UJ	71 UJ	75 UJ	44 U		250 J	3000 U
BENZENE	12 U	11 U	10 U	11 U		28 U	3000 U
BROMODICHLOROMETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
BROMOFORM	12 U	11 U	10 U	11 U		28 U	3000 U
BROMOMETHANE	12 U	11 U	10 U	11 U		57 U	3000 U
CARBON DISULFIDE	12 U	11 U	10 U	11 U		28 U	3000 U
CARBON TETRACHLORIDE	12 U	11 U	10 U	11 U		28 U	3000 U
CHLOROBENZENE	12 U	11 U	10 U	11 U		28 U	3000 U
CHLOROETHANE	12 U	11 U	10 U	11 U		57 U	3000 U
CHLOROFORM	12 U	11 U	10 U	11 U		28 U	3000 U
CHLOROMETHANE	12 U	11 U	10 U	11 U		57 U	3000 U
CIS-1,3-DICHLOROPROPENE	12 U	11 U	10 U	11 U		28 U	3000 U
DIBROMOCHLOROMETHANE	12 U	11 U	10 U	11 U		28 U	3000 U
ETHYLBENZENE	5 J	11 U	10 U	11 U		68 J	7700
METHYLENE CHLORIDE	12 U	11 U	10 U	25		28 U	3000 U
STYRENE	12 U	11 U	10 U	11 U		28 U	3000 U
TETRACHLOROETHENE	12 U	11 U	10 U	11 U		28 U	3000 U
TOLUENE	16	10 J	4 J	11 U		6 J	3000 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	12 U	11 U	10 U	11 U		28 U	3000 U
TRICHLOROETHENE	12 U	11 U	10 U	11 U		28 U	3000 U
VINYL ACETATE						57 U	
VINYL CHLORIDE	12 U	11 U	10 U	11 U		57 U	3000 U
XYLENES, TOTAL	12 U	11 U	8 J	7 J		690 J	8800
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
1,2-DICHLOROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
1,3-DICHLOROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
1,4-DICHLOROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2,2'-OXYBIS(1-CHLOROPROPANE)	9300 UJ	11000 UJ	9900 UJ	350 U			12000 U
2,4,5-TRICHLOROPHENOL	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
2,4,6-TRICHLOROPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2,4-DICHLOROPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2,4-DIMETHYLPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2,4-DINITROPHENOL	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
2,4-DINITROTOLUENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2,6-DINITROTOLUENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2-CHLORONAPHTHALENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2-CHLOROPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2-METHYLNAPHTHALENE	9300 UJ	11000 UJ	9900 U	430		1300 J	12000 U
2-METHYLPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
2-NITROANILINE	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
2-NITROPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
3,3'-DICHLOROBENZIDINE	9300 UJ	11000 UJ	9900 U	350 U		15000 U	12000 U
3-NITROANILINE	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
4,6-DINITRO-2-METHYLPHENOL	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
4-BROMOPHENYL PHENYL ETHER	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
4-CHLORO-3-METHYLPHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
4-CHLOROANILINE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-CHLOROPHENYL PHENYL ETHER	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
4-METHYLPHENOL	9300 UJ	11000 UJ	9900 U	340 J		7500 U	12000 U
4-NITROANILINE	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
4-NITROPHENOL	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
ACENAPHTHENE	9300 UJ	11000 UJ	9900 U	620		7500 U	8400 J
ACENAPHTHYLENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
ANTHRACENE	9300 UJ	11000 UJ	9900 U	500		7500 U	19000
BENZO(A)ANTHRACENE	9300 UJ	11000 UJ	9900 U	950		7500 U	23000
BENZO(A)PYRENE	9300 UJ	11000 UJ	9900 U	750		7500 U	15000
BENZO(B)FLUORANTHENE	9300 UJ	11000 UJ	9900 U	860		7500 U	15000
BENZO(G,H,I)PERYLENE	9300 UJ	11000 UJ	9900 U	280 J		7500 U	12000 U
BENZO(K)FLUORANTHENE	9300 UJ	11000 UJ	9900 U	540		7500 U	14000 J
BENZOIC ACID						36000 U	
BENZYL ALCOHOL						7500 U	
BIS(2-CHLOROETHOXY)METHANE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
BIS(2-CHLOROETHYL)ETHER	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
BIS(2-CHLOROISOPROPYL) ETHER						7500 U	
BIS(2-ETHYLHEXYL)PHTHALATE	9300 UJ	11000 UJ	9900 U	480		1000 U	12000 U
BUTYL BENZYL PHTHALATE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
CARBAZOLE	9300 UJ	11000 UJ	9900 U	410			9800 J
CHRYSENE	9300 UJ	11000 UJ	9900 U	920		7500 U	19000
DI-N-BUTYL PHTHALATE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
DI-N-OCTYL PHTHALATE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
DIBENZO(A,H)ANTHRACENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
DIBENZOFURAN	9300 UJ	11000 UJ	9900 U	490		7500 U	13000
DIETHYL PHTHALATE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
DIMETHYL PHTHALATE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
FLUORANTHENE	9300 UJ	11000 UJ	9900 U	1800		7500 U	47000
FLUORENE	9300 UJ	11000 UJ	9900 U	790		7500 U	17000

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
HEXACHLOROBUTADIENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
HEXACHLOROCYCLOPENTADIENE	9300 UJ	11000 UJ	9900 R	350 U		7500 U	12000 U
HEXACHLOROETHANE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
INDENO(1,2,3-CD)PYRENE	9300 UJ	11000 UJ	9900 U	230 J		7500 U	12000 U
ISOPHORONE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
N-NITROSO-DI-N-PROPYLAMINE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
N-NITROSODIPHENYLAMINE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
NAPHTHALENE	9300 UJ	11000 UJ	9900 U	1000		7500 U	20000
NITROBENZENE	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
PENTACHLOROPHENOL	23000 UJ	27000 UJ	25000 U	850 U		36000 U	31000 U
PHENANTHRENE	9300 UJ	11000 UJ	9900 U	1800		860 J	61000
PHENOL	9300 UJ	11000 UJ	9900 U	350 U		7500 U	12000 U
PYRENE	9300 UJ	11000 UJ	9900 U	1700		7500 U	40000
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	79 J	110	110 UJ	180 J		180 U	34 J
4,4'-DDE	20 J	28 J	67 J	140 J		180 U	4.1 U
4,4'-DDT	7.3 UJ	12 J	3.5 U	14 J		180 U	13 J
ALDRIN	0.56 J	1.9 U	1.8 UJ	1.8 U		91 U	2.1 U
ALPHA-BHC	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	2.1 U
ALPHA-CHLORDANE	39 J	16 J	1.8 UJ	1.8 U		910 U	2.1 U
AROCLOR-1016	37 UJ	36 U	35 UJ	35 U		910 U	41 U
AROCLOR-1221	74 UJ	73 U	72 UJ	72 U		910 U	83 U
AROCLOR-1232	37 UJ	36 U	35 UJ	35 U		910 U	41 U
AROCLOR-1242	37 UJ	36 U	35 UJ	35 U		910 U	41 U
AROCLOR-1248	37 UJ	36 U	35 UJ	35 U		910 U	41 U
AROCLOR-1254	150 J	87 J	490 J	920 J		1800 U	300 J
AROCLOR-1260	230 J	36 U	35 U	35 U		1800 U	41 U
BETA-BHC	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	2.1 U
DELTA-BHC	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	2.1 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
DIELDRIN	4.4 J	4.5 J	3.5 UJ	3.5 U		180 U	4.1 U
ENDOSULFAN II	3.7 UJ	2 J	3.5 U	3.5 U		180 U	4.1 U
ENDOSULFAN SULFATE	3.7 UJ	3.6 U	3.5 U	3.5 U		180 U	4.1 U
ENDOSULFAN-I	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	2 J
ENDRIN	2.4 J	0.89 J	3.5 U	3.7 J		180 U	3.9 J
ENDRIN ALDEHYDE	3.7 UJ	19 J	3.5 U	3.5 U			91
ENDRIN KETONE	3.7 UJ	3.6 U	3.5 U	3.5 U		180 U	5.9 J
GAMMA-BHC (LINDANE)	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	2.1 U
GAMMA-CHLORDANE	61 J	11 J	1.8 UJ	1.8 U		910 U	2.1 U
HEPTACHLOR	1.9 UJ	1.9 U	1.8 U	0.51 J		91 U	2.1 U
HEPTACHLOR EPOXIDE	1.9 UJ	1.9 U	1.8 UJ	1.8 U		91 U	0.66 J
METHOXYCHLOR	19 UJ	19 J	18 U	18 U		910 U	21 U
TOXAPHENE	190 UJ	190 U	180 U	180 U		1800 U	210 U
INORGANICS (MG/KG)							
ALUMINUM	8710	5990	5150	7000		7470	7140
ANTIMONY	3.2 UJ	17.7 UJ	14.3 UJ	44.6 J		13.3 UJ	58.8 J
ARSENIC	2.0 J	1.5 UJ	2.7	2.1 J		4.5	5.0 J
BARIUM	49.0 J	199 J	87.4	115 J		75.4	103 J
BERYLLIUM	0.44	1.9	2.2	0.63		0.4	1.5
BORON	2.7 U	10.3 U	11.6 U	14.9 U		44.0 R	9.4 U
CADMIUM	1.5 J	4.7 J	3.5	2.2 J		3.5	0.56 J
CALCIUM	4680	5580	3560 J	8140		1750	7520
CHROMIUM	14.0 J	26.5 J	18.1	31.4 J		17.5 J	30.0 J
COBALT	6.4	14.7	10.4	7.7		5.9	6.6
COPPER	47.9 J	345 J	871 J	815 J		69.5 J	174 J
CYANIDE	0.08	0.22	0.1 J	0.09 U		1.4 U	0.11 U
IRON	12400	15600	12200 J	26400		12500	29500
LEAD	38.2	449	244 J	307		170 J	663
MAGNESIUM	2960	3570	2120	1910		2980	1570
MANGANESE	176 J	277 J	285 J	465 J		149 J	216 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB16 (0-2)	2LTB17 (0-2)	2LTB18 (0-2)	2LTB19 (2-4)	2LTB19 (4-6)	2LTB2(2-8)	2LTB20 (6-8)
DEPTH (feet):	0 - 2	0 - 2	0 - 2	2 - 4	4 - 6	2 - 8	6 - 8
LOCATION:	2LTB16	2LTB17	2LTB18	2LTB19	2LTB19	2LTB2	2LTB20
SAMPLE DATE:	11/04/93	11/03/93	11/02/93	11/10/93	11/14/93	08/16/90	11/09/93
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	PH1	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
MERCURY	0.09 U	0.24 U	0.61	0.24		0.1 U	0.02 U
NICKEL	10.0 J	47.8 J	31.8	81.4 J		15.4 J	58.9 J
POTASSIUM	1560	1310	1120	1080		2150 J	994
SELENIUM	0.23 UJ	0.34 UJ	0.46 U	0.46 UJ		0.44 U	0.21 UJ
SILVER	0.38 U	2.3 U	1.3 UJ	38.9		1.8 UJ	0.26 U
SODIUM	441	2030	354	4120		268 J	367 J
THALLIUM	0.28 U	0.4 U	0.44 U	0.29 U		0.88 U	0.24 UJ
VANADIUM	23.5	31.7	16.4 J	16.8 J		20.7	138
ZINC	81.2 J	1020 J	5340	975 J		149 J	499 J
MISCELLANEOUS PARAMETERS ()							
ASH (%)		92			93.5		
CATION EX. CAPACITY (meq/100g)		4.9			3.9		
PH		8.08 J			8.56 J		
SPECIFIC GRAVITY (g/cm3)		2.4			2.3		
TOTAL ORGANIC CARBON (MG/KG)		4500			2900		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	17 U		3300 U	4500 U			
1,1,2,2-TETRACHLOROETHANE	17 U		3300 U	4500 U			
1,1,2-TRICHLOROETHANE	17 U		3300 U	4500 U			
1,1-DICHLOROETHANE	17 U		3300 U	4500 U			
1,1-DICHLOROETHENE	17 U		3300 U	4500 U			
1,2-DICHLOROETHANE	17 U		3300 U	4500 U			
1,2-DICHLOROETHENE (TOTAL)	17 U		3300 U	4500 U			
1,2-DICHLOROPROPANE	17 U		3300 U	4500 U			
2-BUTANONE	19 U		3300 U	4500 U			
2-HEXANONE	17 U		3300 U	4500 U			
4-METHYL-2-PENTANONE	17 U		3300 U	4500 U			
ACETONE	80 UJ		3300 U	4500 U			
BENZENE	17 U		3300 U	4500 U			
BROMODICHLOROMETHANE	17 U		3300 U	4500 U			
BROMOFORM	17 U		3300 U	4500 U			
BROMOMETHANE	17 U		3300 U	4500 U			
CARBON DISULFIDE	17 U		3300 U	4500 U			
CARBON TETRACHLORIDE	17 U		3300 U	4500 U			
CHLOROBENZENE	17 U		3300 U	4500 J			
CHLOROETHANE	17 U		3300 U	4500 U			
CHLOROFORM	17 U		3300 U	4500 U			
CHLOROMETHANE	17 U		3300 U	4500 U			
CIS-1,3-DICHLOROPROPENE	17 U		3300 U	4500 U			
DIBROMOCHLOROMETHANE	17 U		3300 U	4500 U			
ETHYLBENZENE	17 U		14000 J	28000			
METHYLENE CHLORIDE	22		3300 U	4500 U			
STYRENE	17 U		3300 U	4500 U			
TETRACHLOROETHENE	17 U		3300 U	4500 U			
TOLUENE	27		1800 J	3200 J			

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	17 U		3300 U	4500 U			
TRICHLOROETHENE	17 U		3300 U	4500 U			
VINYL CHLORIDE	17 U		3300 U	4500 U			
XYLENES, TOTAL	17 U		75000 J	140000 J			
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	2200 U		1500 U	370 U			
1,2-DICHLOROBENZENE	2200 U		1500 U	370 U			
1,3-DICHLOROBENZENE	2200 U		1500 U	370 U			
1,4-DICHLOROBENZENE	2200 U		1500 U	370 U			
2,2'-OXYBIS(1-CHLOROPROPANE)	2200 U		1500 U	370 U			
2,4,5-TRICHLOROPHENOL	5400 U		3500 U	900 U			
2,4,6-TRICHLOROPHENOL	2200 U		1500 U	370 U			
2,4-DICHLOROPHENOL	2200 U		1500 U	370 U			
2,4-DIMETHYLPHENOL	2200 U		1500 UJ	190 J			
2,4-DINITROPHENOL	5400 U		3500 U	900 U			
2,4-DINITROTOLUENE	2200 U		1500 U	370 U			
2,6-DINITROTOLUENE	2200 U		1500 U	370 U			
2-CHLORONAPHTHALENE	2200 U		1500 U	370 U			
2-CHLOROPHENOL	2200 U		1500 U	370 U			
2-METHYLNAPHTHALENE	2200 U		1500 U	310 J			
2-METHYLPHENOL	2200 U		1500 U	370 U			
2-NITROANILINE	5400 U		3500 U	900 U			
2-NITROPHENOL	2200 U		1500 U	370 U			
3,3'-DICHLOROBENZIDINE	2200 U		1500 U	370 U			
3-NITROANILINE	5400 U		3500 U	900 U			
4,6-DINITRO-2-METHYLPHENOL	5400 U		3500 U	900 U			
4-BROMOPHENYL PHENYL ETHER	2200 U		1500 U	370 U			
4-CHLORO-3-METHYLPHENOL	2200 U		1500 U	370 U			
4-CHLOROANILINE	2200 U		1500 U	370 U			
4-CHLOROPHENYL PHENYL ETHER	2200 U		1500 U	370 U			

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	2200 U		2000 J	820 J			
4-NITROANILINE	5400 U		3500 U	900 U			
4-NITROPHENOL	5400 U		3500 U	900 U			
ACENAPHTHENE	2200 U		1500 U	370 U			
ACENAPHTHYLENE	2200 U		1500 U	370 U			
ANTHRACENE	2200 U		1500 U	370 U			
BENZO(A)ANTHRACENE	2400		1500 U	370 U			
BENZO(A)PYRENE	2100 J		1500 U	370 UJ			
BENZO(B)FLUORANTHENE	2400 J		1500 U	170 J			
BENZO(G,H,I)PERYLENE	2200 UJ		1500 U	370 UJ			
BENZO(K)FLUORANTHENE	1700 J		1500 U	130 J			
BIS(2-CHLOROETHOXY)METHANE	2200 U		1500 U	370 U			
BIS(2-CHLOROETHYL)ETHER	2200 U		1500 U	370 U			
BIS(2-ETHYLHEXYL)PHTHALATE	2200 U		1500 U	370 U			
BUTYL BENZYL PHTHALATE	2200 U		1500 U	370 U			
CARBAZOLE	2200 U		1500 U	370 U			
CHRYSENE	2600		1500 U	370 U			
DI-N-BUTYL PHTHALATE	2200 U		1500 U	370 U			
DI-N-OCTYL PHTHALATE	2200 UJ		1500 U	370 UJ			
DIBENZO(A,H)ANTHRACENE	2200 UJ		1500 U	370 UJ			
DIBENZOFURAN	2200 U		1500 U	370 U			
DIETHYL PHTHALATE	2200 U		1500 U	370 U			
DIMETHYL PHTHALATE	2200 U		1500 U	370 U			
FLUORANTHENE	4100		1500 U	230 J			
FLUORENE	2200 U		1500 U	370 U			
HEXACHLOROBENZENE	2200 U		1500 U	370 U			
HEXACHLOROBUTADIENE	2200 U		1500 U	370 U			
HEXACHLOROCYCLOPENTADIENE	2200 U		1500 U	370 U			
HEXACHLOROETHANE	2200 U		1500 U	370 U			

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SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
SEMIVOLATILES (UG/KG)							
INDENO(1,2,3-CD)PYRENE	2200 UJ		1500 U	370 UJ			
ISOPHORONE	2200 U		1500 U	370 U			
N-NITROSO-DI-N-PROPYLAMINE	2200 U		1500 U	370 U			
N-NITROSODIPHENYLAMINE	2200 U		1500 U	370 U			
NAPHTHALENE	2200 U		920 J	350 J			
NITROBENZENE	2200 U		1500 U	370 U			
PENTACHLOROPHENOL	5400 U		3500 U	900 U			
PHENANTHRENE	3700		1500 U	310 J			
PHENOL	2200 U		1500 U	370 U			
PYRENE	4900		1500 UJ	450 J			
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD		24 J	360 U	370 U			
4,4'-DDE		16	360 U	370 U			
4,4'-DDT		13 J	360 U	370 U			
ALDRIN		2 U	190 U	190 U			
ALPHA-BHC		2 U	190 U	190 U			
ALPHA-CHLORDANE		2.4	190 U	190 U			
AROCLOR-1016		40 U	3600 U	3700 U			
AROCLOR-1221		81 U	7300 U	7400 U			
AROCLOR-1232		40 U	3600 U	3700 U			
AROCLOR-1242		40 U	3600 U	3700 U			
AROCLOR-1248		40 U	3600 U	3700 U	35.86 U		3700
AROCLOR-1254		99 J	51000	100000 J	340		19400
AROCLOR-1260		40 U	3600 U	3700 U			
BETA-BHC		2 U	190 U	190 U			
DELTA-BHC		2 U	190 U	190 U			
DIELDRIN		1.2 J	360 U	370 U			
ENDOSULFAN II		4 U	360 U	370 U			
ENDOSULFAN SULFATE		4 U	360 U	370 U			
ENDOSULFAN-I		2 U	190 UJ	340 J			

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
PESTICIDES/PCBs (UG/KG)							
ENDRIN		4 U	470 J	200 J			
ENDRIN ALDEHYDE		4 U	360 U	370 U			
ENDRIN KETONE		4 U	360 U	370 U			
GAMMA-BHC (LINDANE)		2 U	190 U	190 U			
GAMMA-CHLORDANE		3 J	190 U	190 U			
HEPTACHLOR		2 U	79. J	190 U			
HEPTACHLOR EPOXIDE		2 U	190 U	190 U			
METHOXYCHLOR		20 U	1900 U	1900 U			
TOXAPHENE		200 U	19000 U	19000 U			
DIOXINS/FURANS (UG/KG)							
1,2,3,4,6,7,8-HPCDD			0.653 U	0.447 U		0.15 U	
1,2,3,4,6,7,8-HPCDF			0.254 U	0.246		0.16 U	
1,2,3,4,7,8,9-HPCDF			0.918 U	0.137 U		0.34 U	
1,2,3,4,7,8-HXCDD			1.153 U	0.115 U		0.36 U	
1,2,3,4,7,8-HXCDF			0.256 U	0.306		0.62 U	
1,2,3,6,7,8-HXCDD			1.169 U	0.214 U		0.32 U	
1,2,3,6,7,8-HXCDF			0.742 U	0.153		0.58 U	
1,2,3,7,8,9-HXCDD			1.698 U	0.298 U		0.17 U	
1,2,3,7,8,9-HXCDF			0.374 U	0.411 U		0.33 U	
1,2,3,7,8-PECDD			0.458 U	0.113 U		0.15 U	
1,2,3,7,8-PECDF			0.178 U	0.148 U		0.12 U	
2,3,4,6,7,8-HXCDF			1.086 U	0.085 U		0.11 U	
2,3,4,7,8-PECDF			0.079 U	0.095 U		0.11 U	
2,3,7,8-TCDD			0.21 U	0.039 U		0.07 U	
2,3,7,8-TCDF			0.422 U	189 U		0.12 U	
OCDD			1.982 U	1.626		1.7 J	
OCDF			0.992 U	1.029 U		0.3 UJ	
TOTAL HPCDD						0.2 U	
TOTAL HPCDF						0.2 U	
TOTAL HXCDD						0.2 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
DIOXINS/FURANS (UG/KG)							
TOTAL HXCDF						0.1 U	
TOTAL PECDD						0.1 U	
TOTAL PECDF						0.1 U	
TOTAL TCDD						0.07 U	
TOTAL TCDF						0.1 U	
INORGANICS (MG/KG)							
ALUMINUM	9000		7840	8970			
ANTIMONY	134 J		26.9 UJ	31.7 J			
ARSENIC	10.6 J		3.0 J	2.1 J			
BARIUM	420 J		667 J	272 J			
BERYLLIUM	1.7		0.84	1.7			
BORON	79.8		19.0 U	35.7			
CADMIUM	5.2 J		10.0 J	12.1 J			
CALCIUM	17200		9960	9760			
CHROMIUM	289 J		36.6 J	86.5 J			
COBALT	122		14.6	18.3			
COPPER	21600 J		3900 J	1710 J			
CYANIDE	0.25 U		0.27 U	0.35			
IRON	157000		21500	32000			
LEAD	1780		705	612			
MAGNESIUM	4780		6290	9330			
MANGANESE	1150 J		376 J	465 J			
MERCURY	0.47		1.1	1.2			
NICKEL	1440 J		63.4 J	89.6 J			
POTASSIUM	1490		1260	1310			
SELENIUM	0.36 UJ		0.93 UJ	0.72 UJ			
SILVER	12.6		12.2	9.6			
SODIUM	1610 J		3770	3950			
THALLIUM	2.1 U		0.31 UJ	0.28 U			
VANADIUM	73.2 J		32.6	41.4			

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB22 (6-8)	2LTB22 (8-10)	2LTB23 (4-8)	2LTB33 (4-8)	2LTB23-0002(FIELD)	2LTB23-0406	2LTB23-0406(FIELD)
DEPTH (feet):	6 - 8	8 - 10	4 - 8	4 - 8	0 - 2	4 - 6	4 - 6
LOCATION:	2LTB22	2LTB22	2LTB23-FFS	2LTB23-FFS	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2
SAMPLE DATE:	11/05/93	11/02/93	11/08/93	11/08/93	12/03/93	12/03/93	12/03/93
INVESTIGATION:	FFS	FFS	FFS	FFS	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:				2LTB23 (4-8)			
INORGANICS (MG/KG)							
ZINC	9850 J		1550 J	1650 J			

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SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE				11 U	12 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE				11 U	12 U	12 U	12 U
1,1,2-TRICHLOROETHANE				11 U	12 U	12 U	12 U
1,1-DICHLOROETHANE				11 U	12 U	12 U	12 U
1,1-DICHLOROETHENE				11 U	12 U	12 U	12 U
1,2-DICHLOROETHANE				11 U	12 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)				11 U	12 U	12 U	12 U
1,2-DICHLOROPROPANE				11 U	12 U	12 U	12 U
2-BUTANONE				11 U	12 U	12 U	12 U
2-HEXANONE				11 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE				11 U	12 U	12 U	12 U
ACETONE				57 U	37 U	44 U	35 U
BENZENE				11 U	12 U	12 U	12 U
BROMODICHLOROMETHANE				11 U	12 U	12 U	12 U
BROMOFORM				11 U	12 U	12 U	12 U
BROMOMETHANE				11 U	12 U	12 U	12 U
CARBON DISULFIDE				11 U	12 U	12 U	12 U
CARBON TETRACHLORIDE				11 U	12 U	12 U	12 U
CHLOROBENZENE				11 U	12 U	12 U	12 U
CHLOROETHANE				11 U	12 U	12 U	12 U
CHLOROFORM				11 U	12 U	12 U	12 U
CHLOROMETHANE				11 U	12 U	12 U	12 U
CIS-1,3-DICHLOROPROPENE				11 U	12 U	12 U	12 U
DIBROMOCHLOROMETHANE				11 U	12 U	12 U	12 U
ETHYLBENZENE				11 U	12 U	12 U	12 U
METHYLENE CHLORIDE				11 U	12 U	12 U	12 U
STYRENE				11 U	12 U	12 U	12 U
TETRACHLOROETHENE				11 U	12 U	12 U	12 U
TOLUENE				19	13	12 J	12 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE				11 U	12 U	12 U	12 U
TRICHLOROETHENE				11 U	12 U	12 U	12 U
VINYL CHLORIDE				11 U	12 U	12 U	12 U
XYLENES, TOTAL				11 U	12 U	12 U	12 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE				720 U	380 U	400 U	410 U
1,2-DICHLOROBENZENE				720 U	380 U	400 U	410 U
1,3-DICHLOROBENZENE				720 U	380 U	400 U	410 U
1,4-DICHLOROBENZENE				720 U	380 U	400 U	410 U
2,2'-OXYBIS(1-CHLOROPROPANE)				720 U	380 U	400 U	410 U
2,4,5-TRICHLOROPHENOL				1700 U	930 U	970 U	990 U
2,4,6-TRICHLOROPHENOL				720 U	380 U	400 U	410 U
2,4-DICHLOROPHENOL				720 U	380 U	400 U	410 U
2,4-DIMETHYLPHENOL				720 U	380 U	400 U	410 U
2,4-DINITROPHENOL				1700 U	930 U	970 U	990 U
2,4-DINITROTOLUENE				720 U	380 U	400 U	410 U
2,6-DINITROTOLUENE				720 U	380 U	400 U	410 U
2-CHLORONAPHTHALENE				720 U	380 U	400 U	410 U
2-CHLOROPHENOL				720 U	380 U	400 U	410 U
2-METHYLNAPHTHALENE				370 J	380 U	400 U	410 U
2-METHYLPHENOL				720 U	380 U	400 U	410 U
2-NITROANILINE				1700 U	930 U	970 U	990 U
2-NITROPHENOL				720 U	380 U	400 U	410 U
3,3'-DICHLOROBENZIDINE				720 U	380 U	400 U	410 U
3-NITROANILINE				1700 U	930 U	970 U	990 U
4,6-DINITRO-2-METHYLPHENOL				1700 U	930 U	970 U	990 U
4-BROMOPHENYL PHENYL ETHER				720 U	380 U	400 U	410 U
4-CHLORO-3-METHYLPHENOL				720 U	380 U	400 U	410 U
4-CHLOROANILINE				720 U	380 U	400 U	410 U
4-CHLOROPHENYL PHENYL ETHER				720 U	380 U	400 U	410 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL				720 U	380 U	400 U	410 U
4-NITROANILINE				1700 U	930 U	970 U	990 U
4-NITROPHENOL				1700 U	930 U	970 U	990 U
ACENAPHTHENE				750	380 U	400 U	410 U
ACENAPHTHYLENE				720 U	220 J	400 U	410 U
ANTHRACENE				1600	380 U	400 U	410 U
BENZO(A)ANTHRACENE				2800	610	510 J	930 J
BENZO(A)PYRENE				2100 J	620 J	530	780 J
BENZO(B)FLUORANTHENE				2400 J	640 J	550	780 J
BENZO(G,H,I)PERYLENE				590 J	230 J	320 J	310 J
BENZO(K)FLUORANTHENE				1600 J	530 J	400 J	630 J
BIS(2-CHLOROETHOXY)METHANE				720 U	380 U	400 U	410 U
BIS(2-CHLOROETHYL)ETHER				720 U	380 U	400 U	410 U
BIS(2-ETHYLHEXYL)PHTHALATE				720 U	380 U	400 U	600 U
BUTYL BENZYL PHTHALATE				720 U	380 U	400 U	410 U
CARBAZOLE				970	380 U	400 U	410 U
CHRYSENE				2500	810	520	830
DI-N-BUTYL PHTHALATE				720 U	380 U	400 U	410 U
DI-N-OCTYL PHTHALATE				720 UJ	380 UJ	400 U	410 UJ
DIBENZO(A,H)ANTHRACENE				720 UJ	380 UJ	400 U	410 UJ
DIBENZOFURAN				690 J	380 U	400 U	410 U
DIETHYL PHTHALATE				720 U	380 U	400 U	410 U
DIMETHYL PHTHALATE				720 U	380 U	400 U	410 U
FLUORANTHENE				4800	1000	520 J	990 J
FLUORENE				1400	380 U	400 U	410 U
HEXACHLOROBENZENE				720 U	380 U	400 U	410 U
HEXACHLOROBUTADIENE				720 U	380 U	400 U	410 U
HEXACHLOROCYCLOPENTADIENE				720 U	380 U	400 U	410 U
HEXACHLOROETHANE				720 U	380 U	400 U	410 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
SEMIVOLATILES (UG/KG)							
INDENO(1,2,3-CD)PYRENE				640 J	240 J	310 J	330 J
ISOPHORONE				720 U	380 U	400 U	410 U
N-NITROSO-DI-N-PROPYLAMINE				720 U	380 U	400 U	410 U
N-NITROSODIPHENYLAMINE				720 U	380 U	400 U	410 U
NAPHTHALENE				390 J	380 U	400 U	410 U
NITROBENZENE				720 U	380 U	400 U	410 U
PENTACHLOROPHENOL				1700 U	930 U	970 U	990 U
PHENANTHRENE				5700	570	400 UJ	460 J
PHENOL				720 U	380 U	400 U	410 U
PYRENE				4600	1200	650 J	1300 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD				9.6 J	490 J	360	2200 J
4,4'-DDE				4.2 J	270 J	220 J	280 J
4,4'-DDT				3.6 UJ	58 UJ	770 J	1300 J
ALDRIN				1.9 UJ	18 U	18 U	20 U
ALPHA-BHC				1.9 UJ	18 U	18 U	20 U
ALPHA-CHLORDANE				2 J	18 U	86	100
AROCLOR-1016				36 UJ	350 U	360 U	380 U
AROCLOR-1221				73 UJ	720 U	720 U	770 U
AROCLOR-1232				36 UJ	350 U	360 U	380 U
AROCLOR-1242				36 UJ	350 U	360 U	380 U
AROCLOR-1248	390	165	26.8 U	36 UJ	350 U	360 U	380 U
AROCLOR-1254	1360	520	26.6 U	49 J	8100	490 J	380 UJ
AROCLOR-1260				36 UJ	2500	360 U	380 U
BETA-BHC				1.9 UJ	18 U	18 U	20 U
DELTA-BHC				1.9 UJ	18 U	18 U	20 U
DIELDRIN				3.6 UJ	35 U	27 J	35 J
ENDOSULFAN II				3.6 UJ	35 U	36 U	38 U
ENDOSULFAN SULFATE				3.6 UJ	35 U	36 U	38 U
ENDOSULFAN-I				1.9 UJ	31 J	18 U	20 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
PESTICIDES/PCBs (UG/KG)							
ENDRIN				3.6 UJ	20 J	36 U	38 U
ENDRIN ALDEHYDE				3.6 UJ	35 U	36 UJ	40 J
ENDRIN KETONE				3.6 UJ	35 U	36 U	38 U
GAMMA-BHC (LINDANE)				1.9 UJ	18 U	18 U	20 U
GAMMA-CHLORDANE				1.9 UJ	18 U	84 J	95 J
HEPTACHLOR				1.9 UJ	5 J	18 U	20 U
HEPTACHLOR EPOXIDE				1.9 UJ	18 U	4.3 J	5.3 J
METHOXYCHLOR				19 UJ	180 U	180 U	200 U
TOXAPHENE				190 UJ	1800 U	1800 U	2000 U
INORGANICS (MG/KG)							
ALUMINUM				6590	6840	8250	7410
ANTIMONY				7.3 UJ	17.6 UJ	56.7 J	59.0 J
ARSENIC				1.5 J	2.5	4.5 J	4.1 J
BARIUM				55.3 J	65.8 J	233 J	223 J
BERYLLIUM				0.35	0.29	1.8	2.2
BORON				2.1 U	30.0	38.5	25.1
CADMIUM				0.68 J	1.4 J	3.1 J	2.8 J
CALCIUM				2510	2680	5590	3570
CHROMIUM				14.3 J	26.2 J	44.7 J	43.8 J
COBALT				6.1	6.8	23.5	19.8
COPPER				107 J	300 J	2830 J	2300 J
CYANIDE				0.1 U	0.1 U	0.74	0.42
IRON				11300	64400	67300	83300
LEAD				69.8	463	720	645
MAGNESIUM				2650	1880	2120	1990
MANGANESE				178 J	318 J	503 J	458 J
MERCURY				0.16	0.14	0.91	0.82
NICKEL				12.9 J	28.0 J	118 J	115 J
POTASSIUM				1780	1060	1110	1000
SELENIUM				0.33 UJ	0.2 UJ	0.13 UJ	0.19 UJ

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB23-0608(FIELD)	2LTB23-0810(FIELD)	2LTB23-1012(FIELD)	2LTB26 (4-6)	2LTB28 (4-6)	2LTB29 (10-12)	2LTB39 (10-12)
DEPTH (feet):	6 - 8	8 - 10	10 - 12	4 - 6	4 - 6	10 - 12	10 - 12
LOCATION:	2LTB23-PH2	2LTB23-PH2	2LTB23-PH2	2LTB26	2LTB28	2LTB29	2LTB29
SAMPLE DATE:	12/03/93	12/03/93	12/03/93	11/12/93	11/12/93	11/14/93	11/14/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2LTB29 (10-12)
INORGANICS (MG/KG)							
SILVER				1.0 U	2.8	9.2	9.2
SODIUM				267 U	406 J	2770	2250
THALLIUM				0.25 U	0.24 UJ	0.76 U	0.77 U
VANADIUM				22.0	20.5 J	27.9 J	31.4 J
ZINC				190 J	378 J	4030 J	1980 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
1,1,2,2-TETRACHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
1,1,2-TRICHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
1,1-DICHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
1,1-DICHLOROETHENE	13 U	10 U	16 U	11 U	13 U		
1,2-DICHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
1,2-DICHLOROETHENE (TOTAL)	13 U	10 U	16 U	11 U	13 U		
1,2-DICHLOROPROPANE	13 U	10 U	16 U	11 U	13 U		
2-BUTANONE	13 U	10 U	16 U	11 U	13 U		
2-HEXANONE	13 U	10 U	16 U	11 U	13 U		
4-METHYL-2-PENTANONE	13 U	10 U	16 U	11 U	13 U		
ACETONE	63 U	19 UJ	18 J	11 U	13 U		
BENZENE	13 U	10 U	16 U	11 U	13 U		
BROMODICHLOROMETHANE	13 U	10 U	16 U	11 U	13 U		
BROMOFORM	13 U	10 U	16 U	11 U	13 U		
BROMOMETHANE	13 U	10 U	16 U	11 U	13 U		
CARBON DISULFIDE	13 U	10 U	8 J	11 U	13 U		
CARBON TETRACHLORIDE	13 U	10 U	16 U	11 U	13 U		
CHLOROBENZENE	13 U	10 U	16 U	11 U	13 U		
CHLOROETHANE	13 U	10 U	16 U	11 U	13 U		
CHLOROFORM	13 U	10 U	16 U	11 U	13 U		
CHLOROMETHANE	13 U	10 U	16 U	11 U	13 U		
CIS-1,3-DICHLOROPROPENE	13 U	10 U	16 U	11 U	13 U		
DIBROMOCHLOROMETHANE	13 U	10 U	16 U	11 U	13 U		
ETHYLBENZENE	13 U	10 U	16 U	11 U	13 U		
METHYLENE CHLORIDE	16 U	10 U	8 J	2 J	2 J		
STYRENE	13 U	10 U	16 U	11 U	13 U		
TETRACHLOROETHENE	13 U	10 U	16 U	11 U	13 U		
TOLUENE	19	8 J	16 U	11 U	13 U		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	13 U	10 U	16 U	11 U	13 U		
TRICHLOROETHENE	13 U	10 U	16 U	11 U	13 U		
VINYL CHLORIDE	13 U	10 U	16 U	11 U	13 U		
XYLENES, TOTAL	13 U	10 U	16 U	11 U	13 U		
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	420 U	350 U	540 UJ	370 U	420 UJ		
1,2-DICHLOROBENZENE	420 U	350 U	540 UJ	370 U	420 UJ		
1,3-DICHLOROBENZENE	420 U	350 U	540 UJ	370 U	420 UJ		
1,4-DICHLOROBENZENE	420 U	350 U	540 UJ	370 U	420 UJ		
2,2'-OXYBIS(1-CHLOROPROPANE)	420 U	350 U	540 UJ	370 UJ	420 UJ		
2,4,5-TRICHLOROPHENOL	1000 U	860 U	1300 U	900 U	1000 UJ		
2,4,6-TRICHLOROPHENOL	420 U	350 U	540 U	370 U	420 UJ		
2,4-DICHLOROPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
2,4-DIMETHYLPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
2,4-DINITROPHENOL	1000 U	860 U	1300 U	900 U	1000 UJ		
2,4-DINITROTOLUENE	420 U	350 U	540 U	370 U	420 UJ		
2,6-DINITROTOLUENE	420 U	350 U	540 U	370 U	420 UJ		
2-CHLORONAPHTHALENE	420 U	350 U	540 U	370 U	420 UJ		
2-CHLOROPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
2-METHYLNAPHTHALENE	420 U	350 U	540 UJ	370 U	420 UJ		
2-METHYLPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
2-NITROANILINE	1000 U	860 U	1300 U	900 U	1000 UJ		
2-NITROPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
3,3'-DICHLOROBENZIDINE	420 UJ	350 U	540 U	370 U	420 U		
3-NITROANILINE	1000 U	860 U	1300 U	900 U	1000 UJ		
4,6-DINITRO-2-METHYLPHENOL	1000 U	860 U	1300 U	900 U	1000 UJ		
4-BROMOPHENYL PHENYL ETHER	420 U	350 U	540 U	370 U	420 UJ		
4-CHLORO-3-METHYLPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
4-CHLOROANILINE	420 U	350 U	540 UJ	370 U	420 UJ		
4-CHLOROPHENYL PHENYL ETHER	420 U	350 U	540 U	370 U	420 UJ		

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SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
4-NITROANILINE	1000 U	860 U	1300 U	900 U	1000 UJ		
4-NITROPHENOL	1000 U	860 U	1300 UJ	900 UJ	1000 UJ		
ACENAPHTHENE	420 U	350 U	540 U	370 U	420 UJ		
ACENAPHTHYLENE	420 U	350 U	540 U	370 U	420 UJ		
ANTHRACENE	420 U	350 U	540 U	370 U	420 UJ		
BENZO(A)ANTHRACENE	400 J	200 J	540 U	370 U	420 U		
BENZO(A)PYRENE	450 J	190 J	310 J	370 U	420 U		
BENZO(B)FLUORANTHENE	440 J	180 J	540 U	370 U	420 U		
BENZO(G,H,I)PERYLENE	420 UJ	350 U	540 U	370 U	420 U		
BENZO(K)FLUORANTHENE	480 J	210 J	540 U	370 U	420 U		
BIS(2-CHLOROETHOXY)METHANE	420 U	350 U	540 UJ	370 U	420 UJ		
BIS(2-CHLOROETHYL)ETHER	420 U	350 U	540 UJ	370 U	420 UJ		
BIS(2-ETHYLHEXYL)PHTHALATE	420 UJ	350 U	540 U	370 U	420 U		
BUTYL BENZYL PHTHALATE	420 UJ	350 U	540 U	370 U	420 U		
CARBAZOLE	420 U	350 U	540 U	370 U	420 UJ		
CHRYSENE	540 J	190 J	540 U	370 U	420 U		
DI-N-BUTYL PHTHALATE	420 U	350 U	540 U	370 U	420 UJ		
DI-N-OCTYL PHTHALATE	420 UJ	350 U	540 U	370 U	420 U		
DIBENZO(A,H)ANTHRACENE	420 UJ	350 U	540 U	370 U	420 U		
DIBENZOFURAN	420 U	350 U	540 U	370 U	420 UJ		
DIETHYL PHTHALATE	420 U	350 U	540 U	370 U	420 UJ		
DIMETHYL PHTHALATE	420 U	350 U	540 U	370 U	420 UJ		
FLUORANTHENE	570	300 J	540 U	370 U	420 UJ		
FLUORENE	420 U	350 U	540 U	370 U	420 UJ		
HEXACHLOROBENZENE	420 U	350 U	540 U	370 U	420 UJ		
HEXACHLOROBUTADIENE	420 U	350 U	540 UJ	370 U	420 UJ		
HEXACHLOROCYCLOPENTADIENE	420 U	350 U	540 U	370 U	420 UJ		
HEXACHLOROETHANE	420 U	350 U	540 UJ	370 U	420 UJ		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
INDENO(1,2,3-CD)PYRENE	420 UJ	350 U	540 U	370 U	420 U		
ISOPHORONE	420 U	350 U	540 UJ	370 U	420 UJ		
N-NITROSO-DI-N-PROPYLAMINE	420 U	350 U	540 UJ	370 U	420 UJ		
N-NITROSODIPHENYLAMINE	420 U	350 U	540 U	370 U	420 UJ		
NAPHTHALENE	420 U	350 U	540 UJ	370 U	420 UJ		
NITROBENZENE	420 U	350 U	540 UJ	370 U	420 UJ		
PENTACHLOROPHENOL	1000 U	860 U	1300 U	900 U	1000 UJ		
PHENANTHRENE	390 J	350 U	540 U	370 U	420 UJ		
PHENOL	420 U	350 U	540 UJ	370 U	420 UJ		
PYRENE	890 J	310 J	30 J	370 U	420 U		
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	410 J	230 J	5.4 UJ	3.7 UJ	4.2 UJ		
4,4'-DDE	450	60	5.4 UJ	3.7 UJ	4.2 UJ		
4,4'-DDT	410 J	71 J	5.4 UJ	3.7 UJ	4.2 UJ		
ALDRIN	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
ALPHA-BHC	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
ALPHA-CHLORDANE	19 U	25 J	2.8 UJ	1.9 UJ	2.2 UJ		
AROCLOR-1016	380 U	35 U	54 UJ	37 UJ	42 UJ		
AROCLOR-1221	760 U	72 U	110 UJ	75 UJ	85 UJ		
AROCLOR-1232	380 U	35 U	54 UJ	37 UJ	42 UJ		
AROCLOR-1242	1700	35 U	54 UJ	37 UJ	42 UJ		
AROCLOR-1248	380 U	35 U	54 UJ	37 UJ	42 UJ		
AROCLOR-1254	2100	160 J	54 UJ	37 UJ	42 UJ		
AROCLOR-1260	380 U	35 U	54 UJ	37 UJ	42 UJ		
BETA-BHC	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
DELTA-BHC	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
DIELDRIN	38 U	7.5	5.4 UJ	3.7 UJ	4.2 UJ		
ENDOSULFAN II	38 U	3.5 U	5.4 UJ	3.7 UJ	4.2 UJ		
ENDOSULFAN SULFATE	38 U	3.5 U	5.4 UJ	3.7 UJ	4.2 UJ		
ENDOSULFAN-I	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDRIN	38 U	1.6 J	5.4 UJ	3.7 UJ	4.2 UJ		
ENDRIN ALDEHYDE	63	3.5 U	5.4 UJ	3.7 UJ	4.2 UJ		
ENDRIN KETONE	38 U	3.5 U	5.4 UJ	3.7 UJ	4.2 UJ		
GAMMA-BHC (LINDANE)	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
GAMMA-CHLORDANE	19 U	31	2.8 UJ	1.9 UJ	2.2 UJ		
HEPTACHLOR	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
HEPTACHLOR EPOXIDE	19 U	1.8 U	2.8 UJ	1.9 UJ	2.2 UJ		
METHOXYCHLOR	190 U	18 U	28 UJ	19 UJ	22 UJ		
TOXAPHENE	1900 U	180 U	280 UJ	190 UJ	220 UJ		
INORGANICS (MG/KG)							
ALUMINUM	9280	5600	15200	9780	18400		
ANTIMONY	25.6 J	1.3 UJ	1.3 U	0.67 U	1.0 U		
ARSENIC	8.6 J	0.87 UJ	9.0	0.94 J	4.5		
BARIUM	193 J	29.5 J	43.3	114	51.2		
BERYLLIUM	0.48	0.29	0.77	0.29 J	0.7		
BORON	22.7	0.95 U					
CADMIUM	5.3 J	0.48 J	0.32 J	0.22 U	0.26 U		
CALCIUM	6930	876	8530	1660	1070		
CHROMIUM	127 J	8.3 J	36.1	17.8	23.3		
COBALT	54.4	3.8	10.2	8.7	9.5		
COPPER	819 J	23.0 J	13.5	13.1	13.8		
CYANIDE	0.53	0.12 U	0.8 U	0.54 U	0.65 U		
IRON	146000	8860	25600	15200	17800		
LEAD	1290	13.7	8.6	8.1	9.6		
MAGNESIUM	3320	1680	8060	4750	3790		
MANGANESE	1040 J	93.9 J	326	298	248		
MERCURY	0.65	0.05 U	0.16 U	0.11 U	0.13 U		
NICKEL	245 J	13.6 J	20.9	9.5	11.2		
POTASSIUM	1750	1070	4500	3700	1150		
SELENIUM	0.16 UJ	0.13 J	2.3	0.81	1.4		

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A LANDFILL

SAMPLE NUMBER:	2LTB31 (8-10)	2LTB9 (0-2)	LF-SB03-18.5-20.5	LF-SB04-0810	LF-SB05-12.5-14.5		
DEPTH (feet):	8 - 10	0 - 2	18.5 - 20.5	8 - 10	12.5 - 14.5	-	-
LOCATION:	2LTB31	2LTB9	LF-SB03	LF-SB04	LF-SB05		
SAMPLE DATE:	11/14/93	11/05/93	02/16/95	02/17/95	02/18/95	/ /	/ /
INVESTIGATION:	FFS	FFS	LFGEO	LFGEO	LFGEO		
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB		
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SILVER	4.8	0.15 U	0.64 U	0.44 U	0.52 U		
SODIUM	500 J	140 U	7190	99.9	93.7		
THALLIUM	0.92 UJ	0.16 U	1.8	0.87 U	1.0 U		
VANADIUM	22.6 J	13.8	40.3	29.1	38.2		
ZINC	7570 J	36.4 J	57.3	47.7	38.3		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1,2,2-TETRACHLOROETHANE	140	52		62		10 U	
1,1,2-TRICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1-DICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1-DICHLOROETHENE	5 U	10 U		10 U		10 U	
1,2-DICHLOROETHANE	5 U	10 U		10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)	1 J	2 J		1 J		2 J	
1,2-DICHLOROPROPANE	5 U	10 U		10 U		10 U	
2-BUTANONE	10 U	10 U		10 U		10 U	
2-HEXANONE	10 U	10 U		10 U		10 U	
4-METHYL-2-PENTANONE	10 U	10 U		10 U		10 U	
ACETONE	10 U	11 U		10 U		10 U	
BENZENE	5 U	10 U		10 U		10 U	
BROMODICHLOROMETHANE	5 U	10 U		10 U		10 U	
BROMOFORM	5 U	10 U		10 U		10 U	
BROMOMETHANE	10 U	10 U		10 U		10 U	
CARBON DISULFIDE	5 U	10 U		10 U		1 J	
CARBON TETRACHLORIDE	5 U	10 U		10 U		10 U	
CHLOROBENZENE	5 U	10 U		10 U		10 U	
CHLOROETHANE	10 U	10 U		10 U		10 U	
CHLOROFORM	5 U	10 U		10 U		10 U	
CHLOROMETHANE	10 U	10 U		10 U		10 U	
CIS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		10 U	
DIBROMOCHLOROMETHANE	5 U	10 U		10 U		10 U	
ETHYLBENZENE	5 U	10 U		10 U		10 U	
METHYLENE CHLORIDE	5 U	10 U		1 J		10 U	
STYRENE	5 U	10 U		10 U		10 U	
TETRACHLOROETHENE	5 U	10 U		3 J		10 U	
TOLUENE	5 U	10 U		10 U		10 U	
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10	4 J		23		10 U	
VINYL ACETATE	10 U	10 U		10 U		10 U	
VINYL CHLORIDE	10 U	10 U		10 U		10 U	
XYLENES, TOTAL	5 U	10 U		10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,2-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,3-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,4-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
2,4,5-TRICHLOROPHENOL	50 U	25 U		25 U		25 U	
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 U		10 U	
2,4-DICHLOROPHENOL	10 U	10 U		10 U		10 U	
2,4-DIMETHYLPHENOL	10 U	10 U		10 U		10 U	
2,4-DINITROPHENOL	50 U	25 U		25 U		25 U	
2,4-DINITROTOLUENE	10 U	10 U		10 U		10 U	
2,6-DINITROTOLUENE	10 U	10 U		10 U		10 U	
2-CHLORONAPHTHALENE	10 U	10 U		10 U		10 U	
2-CHLOROPHENOL	10 U	10 U		10 U		10 U	
2-METHYLNAPHTHALENE	10 U	10 U		10 U		10 U	
2-METHYLPHENOL	10 U	10 U		10 U		10 U	
2-NITROANILINE	50 U	25 U		25 U		25 U	
2-NITROPHENOL	10 U	10 U		10 U		10 U	
3,3'-DICHLOROBENZIDINE	20 U	10 U		10 U		10 U	
3-NITROANILINE	50 U	25 U		25 U		25 U	
4,6-DINITRO-2-METHYLPHENOL	50 U	25 U		25 U		25 U	
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U		10 U	
4-CHLOROANILINE	10 U	10 U		10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	
4-METHYLPHENOL	10 U	10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	25 U		25 U		25 UJ	
4-NITROPHENOL	50 U	25 U		25 U		25 U	
ACENAPHTHENE	10 U	10 U		10 U		10 U	
ACENAPHTHYLENE	10 U	10 U		10 U		10 U	
ANTHRACENE	10 U	10 U		10 U		10 U	
BENZO(A)ANTHRACENE	10 U	10 U		10 U		10 U	
BENZO(A)PYRENE	10 U	10 U		10 U		10 U	
BENZO(B)FLUORANTHENE	10 U	10 U		10 U		10 U	
BENZO(G,H,I)PERYLENE	10 U	10 U		10 U		10 U	
BENZO(K)FLUORANTHENE	10 U	10 U		10 U		10 U	
BENZOIC ACID	50 U	50 UJ		2 J		1 J	
BENZYL ALCOHOL	10 U	10 U		10 U		10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U		10 U		10 U	
BIS(2-CHLOROETHYL)ETHER	10 U	10 U		10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U		10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U		10 U		20	
BUTYL BENZYL PHTHALATE	10 U	10 U		10 U		10 U	
CARBAZOLE		10 U		10 U		10 UJ	
CHRYSENE	10 U	10 U		10 U		10 U	
DI-N-BUTYL PHTHALATE	10 U	10 U		10 U		10 U	
DI-N-OCTYL PHTHALATE	10 U	10 U		10 U		10 U	
DIBENZO(A,H)ANTHRACENE	10 U	10 U		10 U		10 U	
DIBENZOFURAN	10 U	10 U		10 U		10 U	
DIETHYL PHTHALATE	10 U	10 U		10 U		10 U	
DIMETHYL PHTHALATE	10 U	10 U		10 U		10 U	
FLUORANTHENE	10 U	10 U		10 U		10 U	
FLUORENE	10 U	10 U		10 U		10 U	
HEXACHLOROBENZENE	10 U	10 U		10 U		10 U	
HEXACHLOROBUTADIENE	10 U	10 U		10 U		10 U	
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U		10 U		10 U	
INDENO(1,2,3-CD)PYRENE	10 U	10 U		10 U		10 U	
ISOPHORONE	10 U	10 U		10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U		10 U		10 U	
N-NITROSODIPHENYLAMINE	10 U	10 U		10 U		10 U	
NAPHTHALENE	10 U	10 U		10 U		10 U	
NITROBENZENE	10 U	10 U		10 U		10 U	
PENTACHLOROPHENOL	50 U	25 U		25 U		25 U	
PHENANTHRENE	10 U	10 U		10 U		10 U	
PHENOL	10 U	10 U		10 U		10 U	
PYRENE	10 U	10 U		10 U		10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U						
4,4'-DDE	0.1 U						
4,4'-DDT	0.1 U						
ALDRIN	0.05 U						
ALPHA-BHC	0.05 U						
ALPHA-CHLORDANE	0.5 U						
AROCLOR-1016	0.5 U						
AROCLOR-1221	0.5 U						
AROCLOR-1232	0.5 U						
AROCLOR-1242	0.5 U						
AROCLOR-1248	0.5 U						
AROCLOR-1254	1 U						
AROCLOR-1260	1 U						
BETA-BHC	0.05 U						
DELTA-BHC	0.05 U						
DIELDRIN	0.1 U						
ENDOSULFAN II	0.1 U						
ENDOSULFAN SULFATE	0.1 U						

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.05 U						
ENDRIN	0.1 U						
ENDRIN KETONE	0.1 U						
GAMMA-BHC (LINDANE)	0.05 U						
GAMMA-CHLORDANE	0.5 U						
HEPTACHLOR	0.05 U						
HEPTACHLOR EPOXIDE	0.05 U						
METHOXYCHLOR	0.5 U						
TOXAPHENE	1 U						
INORGANICS (UG/L)							
ALUMINUM	30.0 U	255	24.3 U	240 U	61.9 U	89300	35.8 U
ANTIMONY	25.0 U	15.0 U	15.0 UJ	17.9 U	12.0 U	77.4 R	34.1
ARSENIC	3.0 U	2.0 U	2.0 UJ	3.6 U	5.0 U	19.6 J	7.3 J
BARIUM	33.4	63.0	61.5	87.9	87.5	418	37.4
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.2	1.0 U
BORON	5.4 R	50.0 U	50.0 U	40.9 U	28.0	123 U	131 U
CADMIUM	44.8 J	2.0 U	2.0 U	2.7 J	2.0 U	2.0 U	2.0 U
CALCIUM	36100	50000	49900	61300	65100	41700	28300
CHROMIUM	5.0 U	3.0 UJ	3.0 U	3.0 U	3.5 U	142	3.0 U
COBALT	5.0 U	9.0 U	4.0 U	3.0 U	3.0 U	35.5	4.0 U
COPPER	5.0 U	2.0 U	2.0 U	6.6	4.7 U	125	4.2
CYANIDE	5.0 U						
IRON	3760 J	10800	4350	14100	3100	117000	43900
LEAD	2.0 UJ	2.0 U	2.0 UJ	3.6 J	2.0 U	51.1	1.0 UJ
MAGNESIUM	4510	6620	6570	8120	8470	31400	5910
MANGANESE	408	186	178	281	277	2570	1810
MERCURY	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.32	0.2 U
NICKEL	21.7 J	18.4 U	10.0 U	8.4 U	7.0 U	79.5	10.0 U
POTASSIUM	1950	3100	3240	4390	4200	10700	2800
SELENIUM	1.0 U	3.0 U	3.0 UJ	3.0 U	5.0 UJ	30.0 U	3.0 UJ

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW13D	2LGW13D	2LGW13D	2LGW13D-2	2LGW13D-2	2LGW13S	2LGW13S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/08/94	07/08/94	01/25/94	01/25/94
LOCATION:	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13D	2LMW13S	2LMW13S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	7.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
SODIUM	26500	45600	45600	60100	63300	39600	39900
THALLIUM	2.0 U	10.0 UR	10.0 UR	4.0 J	5.0 U	10.0 UJ	1.0 UJ
VANADIUM	20.0 U	5.0 U	5.0 U	3.8 U	3.0 U	182	5.0 U
ZINC	10.8 J	8.2 U	2.0 U	12.3 U	12.6 U	211	5.3 U
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)		ND		ND			
GROSS ALPHA	17.9 +/- 4.20	12 +/- 3.00 J		24 +/- 5.00 U			
GROSS BETA	24.1 +/- 3.90	19 +/- 3.00 J		42 +/- 4.00			
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		156		182		600	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		5 U	10 U		10 U
1,1,2,2-TETRACHLOROETHANE	5 U	10 U		1 J	10 U		10 U
1,1,2-TRICHLOROETHANE	5 U	10 U		5 U	10 U		10 U
1,1-DICHLOROETHANE	5 U	10 U		5 U	10 U		10 U
1,1-DICHLOROETHENE	5 U	10 U		5 U	10 U		10 U
1,2-DICHLOROETHANE	5 U	10 U		5 U	10 U		10 U
1,2-DICHLOROETHENE (TOTAL)	5 U	10 U		5 U	10 U		10 U
1,2-DICHLOROPROPANE	5 U	10 U		5 U	10 U		10 U
2-BUTANONE	10 U	10 U		10 U	10 U		10 U
2-HEXANONE	10 U	10 U		10 U	10 U		10 U
4-METHYL-2-PENTANONE	10 U	10 U		10 U	10 U		49
ACETONE	10 U	10 U		10 U	10 U		23 U
BENZENE	5 U	10 U		5 U	10 U		10 U
BROMODICHLOROMETHANE	5 U	10 U		5 U	10 U		10 U
BROMOFORM	5 U	10 U		5 U	10 U		10 U
BROMOMETHANE	10 U	10 U		10 U	10 U		10 U
CARBON DISULFIDE	5 U	1 J		5 U	10 U		1 J
CARBON TETRACHLORIDE	5 U	10 U		5 U	10 U		10 U
CHLOROBENZENE	5 U	10 U		5 U	10 U		10 U
CHLOROETHANE	10 U	10 U		10 U	10 U		10 U
CHLOROFORM	5 U	10 U		5 U	10 U		10 U
CHLOROMETHANE	10 U	10 U		10 U	10 U		10 U
CIS-1,3-DICHLOROPROPENE	5 U	10 U		5 U	10 U		10 U
DIBROMOCHLOROMETHANE	5 U	10 U		5 U	10 U		10 U
ETHYLBENZENE	5 U	10 U		5 U	10 U		10 U
METHYLENE CHLORIDE	5 U	10 U		5 U	10 U		19 U
STYRENE	5 U	10 U		5 U	10 U		10 U
TETRACHLOROETHENE	5 U	10 U		5 U	10 U		10 U
TOLUENE	5 U	10 U		5 U	10 U		10 U
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		5 U	10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	5 U	10 U		5 U	10 U		10 U
VINYL ACETATE	10 U	10 U		10 U	10 U		10 U
VINYL CHLORIDE	10 U	10 U		10 U	10 U		10 U
XYLENES, TOTAL	5 U	10 U		5 U	10 U		2 J
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U	10 U		20 U
1,2-DICHLOROBENZENE	10 U	10 U		10 U	10 U		20 U
1,3-DICHLOROBENZENE	10 U	10 U		10 U	10 U		20 U
1,4-DICHLOROBENZENE	10 U	10 U		10 U	10 U		20 U
2,4,5-TRICHLOROPHENOL	50 U	25 U		50 U	25 U		50 U
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 U	10 U		20 U
2,4-DICHLOROPHENOL	10 U	10 U		10 U	10 U		20 U
2,4-DIMETHYLPHENOL	10 U	10 U		10 U	10 U		20 U
2,4-DINITROPHENOL	50 U	25 U		50 U	25 U		50 U
2,4-DINITROTOLUENE	10 U	10 U		10 U	10 U		20 U
2,6-DINITROTOLUENE	10 U	10 U		10 U	10 U		20 U
2-CHLORONAPHTHALENE	10 U	10 U		10 U	10 U		20 U
2-CHLOROPHENOL	10 U	10 U		10 U	10 U		20 U
2-METHYLNAPHTHALENE	10 U	10 U		10 U	10 U		20 U
2-METHYLPHENOL	10 U	10 U		10 U	10 U		20 U
2-NITROANILINE	50 U	25 U		50 U	25 U		50 U
2-NITROPHENOL	10 U	10 U		10 U	10 U		20 U
3,3'-DICHLOROBENZIDINE	20 U	10 U		20 U	10 U		20 U
3-NITROANILINE	50 U	25 U		50 U	25 U		50 U
4,6-DINITRO-2-METHYLPHENOL	50 U	25 U		50 U	25 U		50 U
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 U	10 U		20 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U	10 U		20 U
4-CHLOROANILINE	10 U	10 U		10 U	10 U		20 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 U	10 U		20 U
4-METHYLPHENOL	10 U	10 U		10 U	10 U		6 J

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	25 U		50 U	25 U		50 U
4-NITROPHENOL	50 U	25 U		50 U	25 U		50 U
ACENAPHTHENE	10 U	10 U		10 U	10 U		20 U
ACENAPHTHYLENE	10 U	10 U		10 U	10 U		20 U
ANTHRACENE	10 U	10 U		10 U	10 U		20 U
BENZO(A)ANTHRACENE	10 U	10 U		10 U	10 U		20 U
BENZO(A)PYRENE	10 U	10 U		10 U	10 U		20 U
BENZO(B)FLUORANTHENE	10 U	10 U		10 U	10 U		20 U
BENZO(G,H,I)PERYLENE	10 U	10 U		10 U	10 U		20 U
BENZO(K)FLUORANTHENE	10 U	10 U		10 U	10 U		20 U
BENZOIC ACID	50 U	50 U		50 U	50 UJ		50 U
BENZYL ALCOHOL	10 U	10 U		10 U	10 U		20 U
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U		10 U	10 U		20 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U		10 U	10 U		20 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U		10 U	10 U		20 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U		10 U	10 U		8 J
BUTYL BENZYL PHTHALATE	10 U	10 U		10 U	10 U		20 U
CARBAZOLE		10 U			10 U		20 U
CHRYSENE	10 U	10 U		10 U	10 U		20 U
DI-N-BUTYL PHTHALATE	10 U	10 U		10 U	10 U		20 U
DI-N-OCTYL PHTHALATE	10 U	10 U		10 U	10 U		20 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U		10 U	10 U		20 U
DIBENZOFURAN	10 U	10 U		10 U	10 U		20 U
DIETHYL PHTHALATE	10 U	10 U		10 U	0.6 J		120
DIMETHYL PHTHALATE	10 U	10 U		10 U	10 U		20 U
FLUORANTHENE	10 U	10 U		10 U	10 U		20 U
FLUORENE	10 U	10 U		10 U	10 U		20 U
HEXACHLOROBENZENE	10 U	10 U		10 U	10 U		20 U
HEXACHLOROBUTADIENE	10 U	10 U		10 U	10 U		20 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 U	10 U		20 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U		10 U	10 U		20 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U		10 U	10 U		20 U
ISOPHORONE	10 U	10 U		10 U	10 U		20 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U		10 U	10 U		20 U
N-NITROSODIPHENYLAMINE	10 U	10 U		10 U	10 U		20 U
NAPHTHALENE	10 U	10 U		10 U	10 U		20 U
NITROBENZENE	10 U	10 U		10 U	10 U		20 U
PENTACHLOROPHENOL	50 U	25 U		50 U	25 U		50 U
PHENANTHRENE	10 U	10 U		10 U	10 U		20 U
PHENOL	10 U	10 U		10 U	10 U		6 J
PYRENE	10 U	10 U		10 U	10 U		20 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U			0.1 U			
4,4'-DDE	0.1 U			0.1 U			
4,4'-DDT	0.1 U			0.1 U			
ALDRIN	0.051 U			0.051 U			
ALPHA-BHC	0.051 U			0.051 U			
ALPHA-CHLORDANE	0.51 U			0.51 U			
AROCLOR-1016	0.51 U			0.51 U			
AROCLOR-1221	0.51 U			0.51 U			
AROCLOR-1232	0.51 U			0.51 U			
AROCLOR-1242	0.51 U			0.51 U			
AROCLOR-1248	0.51 U			0.51 U			
AROCLOR-1254	1 U			1 U			
AROCLOR-1260	1 U			1 U			
BETA-BHC	0.051 U			0.051 U			
DELTA-BHC	0.051 U			0.051 U			
DIELDRIN	0.1 U			0.1 U			
ENDOSULFAN II	0.1 U			0.1 U			
ENDOSULFAN SULFATE	0.1 U			0.1 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.051 U			0.051 U			
ENDRIN	0.1 U			0.1 U			
ENDRIN KETONE	0.1 U			0.1 U			
GAMMA-BHC (LINDANE)	0.051 U			0.051 U			
GAMMA-CHLORDANE	0.51 U			0.51 U			
HEPTACHLOR	0.051 U			0.051 U			
HEPTACHLOR EPOXIDE	0.051 U			0.051 U			
METHOXYCHLOR	0.51 U			0.51 U			
TOXAPHENE	1 U			1 U			
INORGANICS (UG/L)							
ALUMINUM	35.8	186	135 U	30.0 U	787	119 U	449
ANTIMONY	25.0 U	15.0 U	15.4 U	25.0 U	15.0 U	15.0 UJ	12.0 U
ARSENIC	3.0 U	3.0	2.0 U	3.0 U	3.6 J	2.0 U	7.0 J
BARIUM	32.9	111	111	31.0	62.3	59.1	32.2
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	2.5 R	50.0 U	50.0 U	2.3 R	50.0 UJ	50.0 U	16.4 U
CADMIUM	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.1 U	2.0 UJ	2.2 J
CALCIUM	18200	37200	37300	18300	25200	25700	21600
CHROMIUM	5.0 U	3.0 U	5.3 U	5.0 U	3.0 U	3.0 UJ	3.0 U
COBALT	5.0 U	17.0 U	14.9 U	5.0 U	4.0 U	4.0 U	3.0 U
COPPER	15.1 J	10.2 U	2.7 U	5.0 U	5.0	2.0 U	5.2
CYANIDE	5.0 UJ			5.0 U			
IRON	28.1 J	5020	1090	13200	28000	1770	32600
LEAD	4.4 J	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	3.9 U
MAGNESIUM	2120	6340	6470	3210	5940	6090	4640
MANGANESE	595	1360	1350	286	510	493	189
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.36 J
NICKEL	7.0 U	10.0 UJ	10.0 UJ	18.4 J	10.0 U	14.5 U	7.0 U
POTASSIUM	5830 J	2840	3200	9630	1930	1650	2030
SELENIUM	1.0 U	3.0 U	3.0 U	1.0 U	3.0 UJ	3.0 UJ	5.0 UJ

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	121790-2LMW14D	2LGW14D	2LGW14D	010891-2LMW17D	2LGW17D	2LGW17D	2LGW17D-2
INVESTIGATION:	PH1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	12/17/90	03/21/94	03/21/94	01/08/91	03/15/94	03/15/94	07/10/94
LOCATION:	2LMW14D	2LMW14D	2LMW14D	2LMW17D	2LMW17D	2LMW17D	2LMW17D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	7.0 U	2.0 UJ	2.0 UJ	7.0 U	2.0 UJ	2.3 U	2.0 U
SODIUM	26500	68600	68800	10600	16500	15900	16700
THALLIUM	2.0 U	10.0 UJ	10.0 U	2.0 U	10.0 UR	1.0 UR	5.0 U
VANADIUM	20.0 U	5.0 U	6.3	20.0 U	5.0 U	5.0 U	3.0 U
ZINC	18.6 J	28.6	19.4	8.7 J	3.7 U	8.9 U	17.1 U
RADIONUCLIDES (PCI/L)							
GROSS ALPHA	1.5 +/- 2.20			2.9 +/- 2.20			
GROSS BETA	11.6 +/- 3.10			4 +/- 3.00			
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		122			92		160

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		5 U	10 U		10 U		5 U
1,1,2,2-TETRACHLOROETHANE		5 U	10 U		10 U		5 U
1,1,2-TRICHLOROETHANE		5 U	10 U		10 U		5 U
1,1-DICHLOROETHANE		5 U	10 U		10 U		5 U
1,1-DICHLOROETHENE		5 U	10 U		10 U		5 U
1,2-DICHLOROETHANE		5 U	10 U		10 U		5 U
1,2-DICHLOROETHENE (TOTAL)		5 U	10 U		10 U		5 U
1,2-DICHLOROPROPANE		5 U	10 U		10 U		5 U
2-BUTANONE		10 U	10 U		10 U		10 U
2-HEXANONE		10 U	10 U		10 U		10 U
4-METHYL-2-PENTANONE		10 U	10 U		10 U		10 U
ACETONE		10 U	10 U		12 U		10 U
BENZENE		5 U	10 U		10 U		5 U
BROMODICHLOROMETHANE		5 U	10 U		10 U		5 U
BROMOFORM		5 U	10 U		10 U		5 U
BROMOMETHANE		10 U	10 U		10 U		10 U
CARBON DISULFIDE		5 U	10 U		10 U		5 U
CARBON TETRACHLORIDE		5 U	10 U		10 U		5 U
CHLOROBENZENE		5 U	10 U		10 U		5 U
CHLOROETHANE		10 U	10 U		10 U		10 U
CHLOROFORM		5 U	10 U		10 U		5 U
CHLOROMETHANE		10 U	10 U		10 U		10 U
CIS-1,3-DICHLOROPROPENE		5 U	10 U		10 U		5 U
DIBROMOCHLOROMETHANE		5 U	10 U		10 U		5 U
ETHYLBENZENE		5 U	10 U		10 U		5 U
METHYLENE CHLORIDE		5 U	10 U		17 U		5 U
STYRENE		5 U	10 U		10 U		5 U
TETRACHLOROETHENE		5 U	10 U		10 U		5 U
TOLUENE		5 U	10 U		10 U		5 U
TRANS-1,3-DICHLOROPROPENE		5 U	10 U		10 U		5 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE		5 U	10 U		10 U		5 U
VINYL ACETATE		10 U	10 U		10 U		10 U
VINYL CHLORIDE		10 U	10 U		10 U		10 U
XYLENES, TOTAL		5 U	10 U		10 U		5 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		10 U	10 U		10 U		10 U
1,2-DICHLOROBENZENE		10 U	10 U		10 U		10 U
1,3-DICHLOROBENZENE		10 U	10 U		10 U		10 U
1,4-DICHLOROBENZENE		10 U	10 U		10 U		10 U
2,4,5-TRICHLOROPHENOL		50 U	25 U		25 U		50 U
2,4,6-TRICHLOROPHENOL		10 U	10 U		10 U		10 U
2,4-DICHLOROPHENOL		10 U	10 U		10 U		10 U
2,4-DIMETHYLPHENOL		10 U	10 U		10 U		10 U
2,4-DINITROPHENOL		50 U	25 U		25 U		50 U
2,4-DINITROTOLUENE		10 U	10 U		10 U		10 U
2,6-DINITROTOLUENE		10 U	10 U		10 U		10 U
2-CHLORONAPHTHALENE		10 U	10 U		10 U		10 U
2-CHLOROPHENOL		10 U	10 U		10 U		10 U
2-METHYLNAPHTHALENE		10 U	10 U		10 U		10 U
2-METHYLPHENOL		10 U	10 U		10 U		10 U
2-NITROANILINE		50 U	25 U		25 U		50 U
2-NITROPHENOL		10 U	10 U		10 U		10 U
3,3'-DICHLOROBENZIDINE		20 U	10 U		10 U		20 U
3-NITROANILINE		50 U	25 U		25 U		50 U
4,6-DINITRO-2-METHYLPHENOL		50 U	25 U		25 U		50 U
4-BROMOPHENYL PHENYL ETHER		10 U	10 U		10 U		10 U
4-CHLORO-3-METHYLPHENOL		10 U	10 U		10 U		10 U
4-CHLOROANILINE		10 U	10 U		10 U		10 U
4-CHLOROPHENYL PHENYL ETHER		10 U	10 U		10 U		10 U
4-METHYLPHENOL		10 U	10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE		50 U	25 U		25 U		50 U
4-NITROPHENOL		50 U	25 U		25 U		50 U
ACENAPHTHENE		10 U	10 U		10 U		10 U
ACENAPHTHYLENE		10 U	10 U		10 U		10 U
ANTHRACENE		10 U	10 U		10 U		10 U
BENZO(A)ANTHRACENE		10 U	10 U		10 U		10 U
BENZO(A)PYRENE		10 U	10 U		10 U		10 U
BENZO(B)FLUORANTHENE		10 U	10 U		10 U		10 U
BENZO(G,H,I)PERYLENE		10 U	10 U		10 U		10 U
BENZO(K)FLUORANTHENE		10 U	10 U		10 U		10 U
BENZOIC ACID		50 U	50 UJ		50 U		50 U
BENZYL ALCOHOL		10 U	10 U		10 U		10 U
BIS(2-CHLOROETHOXY)METHANE		10 U	10 U		10 U		10 U
BIS(2-CHLOROETHYL)ETHER		10 U	10 U		10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER		10 U	10 U		10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE		10 U	10 U		10 U		6 J
BUTYL BENZYL PHTHALATE		10 U	10 U		10 U		10 U
CARBAZOLE			10 U		10 U		
CHRYSENE		10 U	10 U		10 U		10 U
DI-N-BUTYL PHTHALATE		10 U	10 U		10 U		10 U
DI-N-OCTYL PHTHALATE		10 U	10 U		10 U		10 U
DIBENZO(A,H)ANTHRACENE		10 U	10 U		10 U		10 U
DIBENZOFURAN		10 U	10 U		10 U		10 U
DIETHYL PHTHALATE		10 U	10 U		10 U		10 U
DIMETHYL PHTHALATE		10 U	10 U		10 U		10 U
FLUORANTHENE		10 U	10 U		10 U		10 U
FLUORENE		10 U	10 U		10 U		10 U
HEXACHLOROBENZENE		10 U	10 U		10 U		10 U
HEXACHLOROBUTADIENE		10 U	10 U		10 U		10 U
HEXACHLOROCYCLOPENTADIENE		10 U	10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE		10 U	10 U		10 U		10 U
INDENO(1,2,3-CD)PYRENE		10 U	10 U		10 U		10 U
ISOPHORONE		10 U	10 U		10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE		10 U	10 U		10 U		10 U
N-NITROSODIPHENYLAMINE		10 U	10 U		10 U		10 U
NAPHTHALENE		10 U	10 U		10 U		10 U
NITROBENZENE		10 U	10 U		10 U		10 U
PENTACHLOROPHENOL		50 U	25 U		25 U		50 U
PHENANTHRENE		10 U	10 U		10 U		10 U
PHENOL		10 U	10 U		10 U		10 U
PYRENE		10 U	10 U		10 U		10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD		0.1 U					0.1 U
4,4'-DDE		0.1 U					0.1 U
4,4'-DDT		0.1 U					0.1 U
ALDRIN		0.052 U					0.052 U
ALPHA-BHC		0.052 U					0.052 U
ALPHA-CHLORDANE		0.52 U					0.52 U
AROCLOR-1016		0.52 U					0.52 U
AROCLOR-1221		0.52 U					0.52 U
AROCLOR-1232		0.52 U					0.52 U
AROCLOR-1242		0.52 U					0.52 U
AROCLOR-1248		0.52 U					0.52 U
AROCLOR-1254		1 U					1 U
AROCLOR-1260		1 U					1 U
BETA-BHC		0.052 U					0.052 U
DELTA-BHC		0.052 U					0.052 U
DIELDRIN		0.1 U					0.1 U
ENDOSULFAN II		0.1 U					0.1 U
ENDOSULFAN SULFATE		0.1 U					0.1 U

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I		0.052 U					0.052 U
ENDRIN		0.1 U					0.1 U
ENDRIN KETONE		0.1 U					0.1 U
GAMMA-BHC (LINDANE)		0.052 U					0.052 U
GAMMA-CHLORDANE		0.52 U					0.52 U
HEPTACHLOR		0.052 U					0.052 U
HEPTACHLOR EPOXIDE		0.052 U					0.052 U
METHOXYCHLOR		0.52 U					0.52 U
TOXAPHENE		1 U					1 U
INORGANICS (UG/L)							
ALUMINUM	31.8 U	54.3	67.9 U	96.4 U	93.8 U	84.8 U	30.0 U
ANTIMONY	12.0 U	25.0 U	15.0 U	15.0 UJ	12.0 U	12.0 U	25.0 U
ARSENIC	5.0 U	3.0 U	2.3 J	2.3 J	7.5 J	5.0 U	3.0 U
BARIUM	32.6	18.5	30.8	29.2	34.5	36.8	66.3
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	13.0 U	1.7 R	50.0 UJ	50.0 U	39.5 U	35.7 U	2.4 R
CADMIUM	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	7.2
CALCIUM	22600	14300	24300	25000	26900	28600	21000
CHROMIUM	3.0 UJ	5.0 U	3.0 U	3.0 UJ	3.0 U	3.2 U	5.0 U
COBALT	3.0 U	5.0 U	4.0 U	8.9 U	3.0 U	3.0 U	5.0 U
COPPER	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.4 J
CYANIDE		5.0 UJ					5.0 U
IRON	2500 J	8620	8820	8990	11700	12700 J	36800
LEAD	2.0 U	7.1 J	2.0 UJ	2.0 U	2.0 UJ	6.3	2.0 U
MAGNESIUM	4870	2970	5290	5480	6140	6290	4340
MANGANESE	151	323	443	456	387	415	863
MERCURY	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	7.0 U	17.6 J	10.0 U	11.7 U	7.0 U	7.0 U	7.0 U
POTASSIUM	2450 U	1300	2250	2220	2990	2500 U	4350 J
SELENIUM	5.0 UJ	1.0 U	3.0 UJ	3.0 UJ	5.0 UJ	5.0 UJ	1.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW17D-2	010291-2LMW17S	2LGW17S	2LGW17S	2LGW17S-2	2LGW17S-2	121390-2LMW18D
INVESTIGATION:	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/10/94	01/02/91	03/15/94	03/15/94	07/10/94	07/10/94	12/13/90
LOCATION:	2LMW17D	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW17S	2LMW18D
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Deep
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	2.0 U	7.0 U	2.0 UJ	2.6 U	2.0 U	2.0 U	7.0 U
SODIUM	17200	10700	17100	17200	21800	20900	27400
THALLIUM	5.0 U	2.0 UR	10.0 UR	1.0 UR	5.0 U	5.0 U	2.0 U
VANADIUM	1.0 U	20.0 U	5.0 U	5.0 U	3.0 U	1.0 U	20.0 U
ZINC	4.5 U	15.9 J	2.0 U	4.0 U	7.2 U	9.6 U	12.0 J
RADIONUCLIDES (PCI/L)							
GROSS ALPHA		3.3 +/- 1.90					0 +/- 2.10
GROSS BETA		1.8 +/- 3.00					3.7 +/- 3.00
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3			86		90		

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		25 U	25 U	20 U
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		25 U	25 U	20 U
1,1,2-TRICHLOROETHANE	10 U		10 U		25 U	25 U	20 U
1,1-DICHLOROETHANE	10 U		10 U		25 U	25 U	20 U
1,1-DICHLOROETHENE	10 U		10 U		25 U	25 U	20 U
1,2-DICHLOROETHANE	10 U		10 U		25 U	25 U	20 U
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		25 U	25 U	20 U
1,2-DICHLOROPROPANE	10 U		10 U		25 U	25 U	20 U
2-BUTANONE	10 U		10 U		50 U	50 U	20 U
2-HEXANONE	10 U		10 UJ		50 U	50 U	20 U
4-METHYL-2-PENTANONE	10 U		10 U		50 U	50 U	20 U
ACETONE	12 U		10 U		50 U	50 U	49 U
BENZENE	10 U		10 U		10 J	9 J	6 J
BROMODICHLOROMETHANE	10 U		10 U		25 U	25 U	20 U
BROMOFORM	10 U		10 U		25 U	25 U	20 U
BROMOMETHANE	10 U		10 U		50 U	50 U	20 U
CARBON DISULFIDE	10 U		10 U		25 U	25 U	20 U
CARBON TETRACHLORIDE	10 U		10 U		25 U	25 U	20 U
CHLOROBENZENE	10 U		6 J		220	140	340
CHLOROETHANE	10 U		10 U		50 U	50 U	20 U
CHLOROFORM	10 U		10 U		25 U	25 U	20 U
CHLOROMETHANE	10 U		10 U		50 U	50 U	20 U
CIS-1,3-DICHLOROPROPENE	10 U		10 U		25 U	25 U	20 U
DIBROMOCHLOROMETHANE	10 U		10 U		25 U	25 U	20 U
ETHYLBENZENE	10 U		10 U		120	110	38
METHYLENE CHLORIDE	10 U		45 U		25 U	25 U	20 U
STYRENE	10 U		10 U		25 U	25 U	20 U
TETRACHLOROETHENE	10 U		10 U		25 U	25 U	20 U
TOLUENE	10 U		10 U		25 U	25 U	2 J
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		25 U	25 U	20 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		25 U	25 U	20 U
VINYL ACETATE	10 U		10 U		50 U	50 U	20 U
VINYL CHLORIDE	10 U		10 U		50 U	50 U	20 U
XYLENES, TOTAL	10 U		10 U		840	620	760
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 UJ		67 J	72 J	7 J
1,2-DICHLOROBENZENE	10 U		10 UJ		10 J	14 J	10 U
1,3-DICHLOROBENZENE	10 U		10 UJ		25 J	33 J	7 J
1,4-DICHLOROBENZENE	10 U		10 UJ		99 J	140 J	14
2,4,5-TRICHLOROPHENOL	25 U		25 UJ		50 UJ	50 UJ	25 U
2,4,6-TRICHLOROPHENOL	10 U		10 UJ		10 UJ	10 UJ	10 U
2,4-DICHLOROPHENOL	10 U		10 UJ		10 UJ	10 UJ	10 U
2,4-DIMETHYLPHENOL	10 U		10 UJ		19 J	10 UJ	10 U
2,4-DINITROPHENOL	25 U		25 UJ		50 UJ	50 UJ	25 U
2,4-DINITROTOLUENE	10 U		10 UJ		10 UJ	10 UJ	10 U
2,6-DINITROTOLUENE	10 U		10 UJ		10 UJ	10 UJ	10 U
2-CHLORONAPHTHALENE	10 U		10 UJ		10 UJ	10 UJ	10 U
2-CHLOROPHENOL	10 U		10 UJ		4 J	10 UJ	10 U
2-METHYLNAPHTHALENE	10 U		10 UJ		3 J	4 J	6 J
2-METHYLPHENOL	10 U		10 UJ		10 UJ	10 UJ	10 U
2-NITROANILINE	25 U		25 UJ		50 UJ	50 UJ	25 U
2-NITROPHENOL	10 U		10 UJ		10 UJ	10 UJ	10 U
3,3'-DICHLOROBENZIDINE	10 U		10 UJ		20 UJ	20 UJ	10 U
3-NITROANILINE	25 U		25 UJ		50 UJ	50 UJ	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U		25 UJ		50 UJ	50 UJ	25 U
4-BROMOPHENYL PHENYL ETHER	10 U		10 UJ		10 UJ	10 UJ	10 U
4-CHLORO-3-METHYLPHENOL	10 U		10 UJ		10 UJ	10 UJ	10 U
4-CHLOROANILINE	10 U		10 UJ		10 UJ	10 UJ	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U		10 UJ		10 UJ	10 UJ	10 U
4-METHYLPHENOL	10 U		10 UJ		15 J	22 J	6 J

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		25 UJ		50 UJ	50 UJ	25 U
4-NITROPHENOL	25 U		25 UJ		50 UJ	50 UJ	25 U
ACENAPHTHENE	10 U		10 UJ		10 UJ	10 UJ	1 J
ACENAPHTHYLENE	10 U		10 UJ		10 UJ	10 UJ	10 U
ANTHRACENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZO(A)ANTHRACENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZO(A)PYRENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZO(B)FLUORANTHENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZO(G,H,I)PERYLENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZO(K)FLUORANTHENE	10 U		10 UJ		10 UJ	10 UJ	10 U
BENZOIC ACID	2 J		50 U		50 UJ	50 UJ	14 J
BENZYL ALCOHOL	10 U		10 UJ		10 UJ	10 UJ	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U		10 UJ		10 UJ	10 UJ	10 U
BIS(2-CHLOROETHYL)ETHER	10 U		10 UJ		10 UJ	10 UJ	10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 UJ		10 UJ	10 UJ	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U		4 J	10 UJ	10 U
BUTYL BENZYL PHTHALATE	10 U		10 UJ		10 UJ	10 UJ	10 U
CARBAZOLE	10 U		10 UJ				2 J
CHRYSENE	10 U		10 UJ		10 UJ	10 UJ	10 U
DI-N-BUTYL PHTHALATE	10 U		10 UJ		10 UJ	10 UJ	10 U
DI-N-OCTYL PHTHALATE	10 U		10 UJ		10 UJ	10 UJ	10 U
DIBENZO(A,H)ANTHRACENE	10 U		10 UJ		10 UJ	10 UJ	10 U
DIBENZOFURAN	10 U		10 UJ		10 UJ	10 UJ	10 U
DIETHYL PHTHALATE	10 U		10 UJ		10 UJ	17 J	1 J
DIMETHYL PHTHALATE	10 U		10 UJ		10 UJ	10 UJ	10 U
FLUORANTHENE	10 U		10 UJ		10 UJ	10 UJ	10 U
FLUORENE	10 U		10 UJ		10 UJ	10 UJ	1 J
HEXACHLOROBENZENE	10 U		10 UJ		10 UJ	10 UJ	10 U
HEXACHLOROBUTADIENE	10 U		10 UJ		10 UJ	10 UJ	10 U
HEXACHLOROCYCLOPENTADIENE	10 U		10 UJ		10 UJ	10 UJ	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 UJ		10 UJ	10 UJ	10 U
INDENO(1,2,3-CD)PYRENE	10 U		10 UJ		10 UJ	10 UJ	10 U
ISOPHORONE	10 U		10 UJ		10 UJ	10 UJ	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 UJ		10 UJ	10 UJ	10 U
N-NITROSODIPHENYLAMINE	10 U		10 UJ		10 UJ	10 UJ	10 U
NAPHTHALENE	10 U		10 UJ		15 J	20 J	42
NITROBENZENE	10 U		10 UJ		10 UJ	10 UJ	10 U
PENTACHLOROPHENOL	25 U		25 UJ		50 UJ	50 UJ	25 U
PHENANTHRENE	10 U		10 UJ		10 UJ	10 UJ	10 U
PHENOL	0.7 J		10 UJ		10 UJ	10 UJ	10 U
PYRENE	10 U		10 UJ		10 UJ	10 UJ	10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD					0.1 U	0.1 U	
4,4'-DDE					0.1 U	0.1 U	
4,4'-DDT					0.1 U	0.1 U	
ALDRIN					0.05 U	0.05 U	
ALPHA-BHC					0.05 U	0.05 U	
ALPHA-CHLORDANE					0.5 U	0.5 U	
AROCLOR-1016					0.5 U	0.5 U	10 U
AROCLOR-1221					0.5 U	0.5 U	20 U
AROCLOR-1232					0.5 U	0.5 U	10 U
AROCLOR-1242					0.5 U	0.5 U	10 U
AROCLOR-1248					0.5 U	0.5 U	10 U
AROCLOR-1254					150	130	10 U
AROCLOR-1260					1 U	1 U	710
BETA-BHC					0.05 U	0.05 U	
DELTA-BHC					0.05 U	0.05 U	
DIELDRIN					0.1 U	0.1 U	
ENDOSULFAN II					0.1 U	0.1 U	
ENDOSULFAN SULFATE					0.1 U	0.1 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I					0.05 U	0.05 U	
ENDRIN					0.1 U	0.1 U	
ENDRIN KETONE					0.1 U	0.1 U	
GAMMA-BHC (LINDANE)					0.05 U	0.05 U	
GAMMA-CHLORDANE					0.5 U	0.5 U	
HEPTACHLOR					0.05 U	0.05 U	
HEPTACHLOR EPOXIDE					0.05 U	0.05 U	
METHOXYCHLOR					0.5 U	0.5 U	
TOXAPHENE					1 U	1 U	
INORGANICS (UG/L)							
ALUMINUM	24.0 J	14.0 U	204	15.0	51.1	63.5	99.3 U
ANTIMONY	20.6 J	15.0 U	12.0 U	12.0 U	25.0 U	25.0 U	15.0 U
ARSENIC	3.2 J	3.1 J	4.4 U	2.0 U	4.2	4.6	2.3 J
BARIUM	58.1	56.0	64.9	63.4	711	735	383
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	50.0 U	50.0 U	32.5 U	50.0 U	1.0 R	1.0 R	360
CADMIUM	2.0 U	2.1 J	2.0 U	2.0 U	29.1	28.6	2.0 U
CALCIUM	20100	20000	19100	19900	54600	53200	174000
CHROMIUM	3.0 U	3.0 U	3.0 U	3.9	5.0 U	5.0 U	3.0 UJ
COBALT	13.7 U	7.7 U	3.0 U	3.0 U	11.4	12.8	11.4 U
COPPER	2.0 U	2.0 U	6.6	2.0 U	5.0 U	7.0 J	5.8 U
CYANIDE					5.0 U	5.0 U	
IRON	5530 J	5440 J	55800	42700	192000	193000	144000
LEAD	2.0 UJ	2.0 UJ	2.7 U	2.0 U	10.0 U	10.0 U	2.0 U
MAGNESIUM	5230	5200	5180	5420	65900	66900	108000
MANGANESE	495	483	621	645	580	570	1140
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	10.0 U	10.0 U	7.0 U	7.0 U	29.5	28.6	21.4 U
POTASSIUM	1930	2270	2430	2190	47100	47600	36800
SELENIUM	3.0 UJ	3.0 UJ	2.0 U	2.0 U	2.9 J	2.6 J	3.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18D	2LGW18D	2LGW18D-2	2LGW18D-2	121390-2LMW18S	121390-2LMW19S	2LGW18S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH1	PH2-1
SAMPLE DATE:	03/23/94	03/23/94	06/26/94	06/26/94	12/13/90	12/13/90	03/23/94
LOCATION:	2LMW18D	2LMW18D	2LMW18D	2LMW18D	2LMW18S	2LMW18S	2LMW18S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:						121390-2LMW18S	
INORGANICS (UG/L)							
SILVER	2.0 UJ	2.0 UJ	2.0 U	2.0 U	7.0 U	7.0 U	6.9 R
SODIUM	25200	25200	26600	27800	777000	788000	259000
THALLIUM	10.0 UR	10.0 UR	2.0 UR	20.0 U	10.0 U	10.0 U	10.0 UR
VANADIUM	5.0 U	5.0 U	3.0 U	3.0 U	20.0 U	20.0 U	5.0 U
ZINC	2.8 J	12.7	21.2 U	8.6	600	612	68.2
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)							ND
GROSS ALPHA					0 +/- 24.30	0 +/- 25.90	1 +/- 9.00 UJ
GROSS BETA					56.3 +/- 16.40	51.8 +/- 16.40	63 +/- 14.00 J
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	72		76				890

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18S	2LGW18S-2	2LGW18S-2	2LGW19D	2LGW19D	2LGW19D-2	2LGW19D-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	03/23/94	06/26/94	06/26/94	03/23/94	03/23/94	06/23/94	06/23/94
LOCATION:	2LMW18S	2LMW18S	2LMW18S	2LMW19D	2LMW19D	2LMW19D	2LMW19D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		100 U		10 U		10 U	
1,1,2,2-TETRACHLOROETHANE		100 U		10 U		10 U	
1,1,2-TRICHLOROETHANE		100 U		10 U		10 U	
1,1-DICHLOROETHANE		100 U		10 U		10 U	
1,1-DICHLOROETHENE		100 U		10 U		10 U	
1,2-DICHLOROETHANE		100 U		10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)		100 U		10 U		10 U	
1,2-DICHLOROPROPANE		100 U		10 U		10 U	
2-BUTANONE		100 U		10 U		10 U	
2-HEXANONE		100 UJ		10 U		10 U	
4-METHYL-2-PENTANONE		100 U		10 U		10 U	
ACETONE		100 U		15 U		10 U	
BENZENE		32 J		10 U		10 U	
BROMODICHLOROMETHANE		100 U		10 U		10 U	
BROMOFORM		100 U		10 U		10 U	
BROMOMETHANE		100 U		10 U		10 U	
CARBON DISULFIDE		100 U		10 U		10 U	
CARBON TETRACHLORIDE		100 U		10 U		10 U	
CHLOROBENZENE		1200		10 U		10 U	
CHLOROETHANE		100 U		10 U		10 U	
CHLOROFORM		16 J		10 U		10 U	
CHLOROMETHANE		100 U		10 U		10 U	
CIS-1,3-DICHLOROPROPENE		100 U		10 U		10 U	
DIBROMOCHLOROMETHANE		100 U		10 U		10 U	
ETHYLBENZENE		100		10 U		10 U	
METHYLENE CHLORIDE		100 U		10 U		10 U	
STYRENE		100 U		10 U		10 U	
TETRACHLOROETHENE		100 U		10 U		10 U	
TOLUENE		100 U		10 U		10 U	
TRANS-1,3-DICHLOROPROPENE		100 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18S	2LGW18S-2	2LGW18S-2	2LGW19D	2LGW19D	2LGW19D-2	2LGW19D-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	03/23/94	06/26/94	06/26/94	03/23/94	03/23/94	06/23/94	06/23/94
LOCATION:	2LMW18S	2LMW18S	2LMW18S	2LMW19D	2LMW19D	2LMW19D	2LMW19D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE		100 U		10 U		10 U	
VINYL ACETATE		100 U		10 U		10 UJ	
VINYL CHLORIDE		100 U		10 U		10 U	
XYLENES, TOTAL		510		2 J		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		65		10 UJ		10 U	
1,2-DICHLOROBENZENE		8 J		10 U		10 U	
1,3-DICHLOROBENZENE		22		10 UJ		10 U	
1,4-DICHLOROBENZENE		55		10 UJ		10 U	
2,4,5-TRICHLOROPHENOL		25 U		25 U		25 U	
2,4,6-TRICHLOROPHENOL		10 U		10 U		10 U	
2,4-DICHLOROPHENOL		2 J		10 U		10 U	
2,4-DIMETHYLPHENOL		8 J		10 U		10 U	
2,4-DINITROPHENOL		25 UJ		25 U		25 U	
2,4-DINITROTOLUENE		10 U		10 UJ		10 U	
2,6-DINITROTOLUENE		10 U		10 U		10 U	
2-CHLORONAPHTHALENE		10 U		10 U		10 U	
2-CHLOROPHENOL		12		10 U		10 U	
2-METHYLNAPHTHALENE		5 J		10 UJ		10 U	
2-METHYLPHENOL		10 U		10 U		10 U	
2-NITROANILINE		25 U		25 U		25 U	
2-NITROPHENOL		10 U		10 U		10 U	
3,3'-DICHLOROBENZIDINE		10 U		10 U		10 U	
3-NITROANILINE		25 U		25 U		25 U	
4,6-DINITRO-2-METHYLPHENOL		25 UJ		25 U		25 U	
4-BROMOPHENYL PHENYL ETHER		10 U		10 U		10 U	
4-CHLORO-3-METHYLPHENOL		8 J		10 U		10 U	
4-CHLOROANILINE		10 U		10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER		10 U		10 U		10 U	
4-METHYLPHENOL		0.6 J		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18S	2LGW18S-2	2LGW18S-2	2LGW19D	2LGW19D	2LGW19D-2	2LGW19D-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	03/23/94	06/26/94	06/26/94	03/23/94	03/23/94	06/23/94	06/23/94
LOCATION:	2LMW18S	2LMW18S	2LMW18S	2LMW19D	2LMW19D	2LMW19D	2LMW19D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE		25 U		25 U		25 U	
4-NITROPHENOL		25 U		25 U		25 U	
ACENAPHTHENE		10 U		10 UJ		10 U	
ACENAPHTHYLENE		10 U		10 U		10 U	
ANTHRACENE		0.5 J		10 U		10 U	
BENZO(A)ANTHRACENE		10 U		10 U		10 U	
BENZO(A)PYRENE		10 U		10 U		10 U	
BENZO(B)FLUORANTHENE		10 U		10 U		10 U	
BENZO(G,H,I)PERYLENE		10 U		10 U		10 U	
BENZO(K)FLUORANTHENE		10 U		10 U		10 U	
BENZOIC ACID		50 U		50 U		50 U	
BENZYL ALCOHOL		10 U		10 U		10 U	
BIS(2-CHLOROETHOXY)METHANE		10 U		10 U		10 U	
BIS(2-CHLOROETHYL)ETHER		10 U		10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER		10 U		10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE		25		17 U		3 J	
BUTYL BENZYL PHTHALATE		10 U		10 UJ		10 U	
CARBAZOLE		0.8 J		10 UJ		10 U	
CHRYSENE		10 U		10 U		10 U	
DI-N-BUTYL PHTHALATE		0.8 J		10 UJ		10 U	
DI-N-OCTYL PHTHALATE		10 U		2 J		10 U	
DIBENZO(A,H)ANTHRACENE		10 U		10 U		10 U	
DIBENZOFURAN		10 U		10 U		10 U	
DIETHYL PHTHALATE		13		10 UJ		10 U	
DIMETHYL PHTHALATE		10 U		10 U		10 U	
FLUORANTHENE		10 U		10 U		10 U	
FLUORENE		10 U		10 UJ		10 U	
HEXACHLOROBENZENE		10 U		10 U		10 U	
HEXACHLOROBUTADIENE		10 U		10 U		10 U	
HEXACHLOROCYCLOPENTADIENE		10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18S	2LGW18S-2	2LGW18S-2	2LGW19D	2LGW19D	2LGW19D-2	2LGW19D-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	03/23/94	06/26/94	06/26/94	03/23/94	03/23/94	06/23/94	06/23/94
LOCATION:	2LMW18S	2LMW18S	2LMW18S	2LMW19D	2LMW19D	2LMW19D	2LMW19D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE		10 U		10 U		10 U	
INDENO(1,2,3-CD)PYRENE		10 U		10 U		10 U	
ISOPHORONE		10 U		10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE		10 U		10 U		10 U	
N-NITROSODIPHENYLAMINE		1 J		10 U		10 U	
NAPHTHALENE		17		10 UJ		10 U	
NITROBENZENE		10 U		10 U		10 U	
PENTACHLOROPHENOL		25 U		25 U		25 U	
PHENANTHRENE		10 U		10 U		10 U	
PHENOL		10 U		1 J		10 U	
PYRENE		10 U		10 U		10 U	
PESTICIDES/PCBs (UG/L)							
AROCLOR-1016		7.5 J					
AROCLOR-1221		2 UJ					
AROCLOR-1232		1 UJ					
AROCLOR-1242		1 UJ					
AROCLOR-1248		1 UJ					
AROCLOR-1254		1 UJ					
AROCLOR-1260		290 J					
INORGANICS (UG/L)							
ALUMINUM	112 U	593	62.5	3340 J	14.0 U	90.0 U	15.0 U
ANTIMONY	15.0 UJ	12.0 UR	12.0 U	15.0 U	15.0 U	13.0 U	13.0 U
ARSENIC	5.0 J	6.2 U	2.6	4.9 J	2.8 J	2.3	1.0 U
BARIUM	352	564	523	281	172	257	265
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.5 J	1.4 J	1.0 U	1.0 U
BORON	359 J	303 J	290	50.0 U	50.0 U	50.0 U	50.0 U
CADMIUM	6.1 U	2.0 UR	2.0 U	2.0 U	2.0 U	3.0 U	3.0 U
CALCIUM	161000	58500	62800	80300	77600	94100	97800
CHROMIUM	3.0 U	7.2	6.7	32.5	3.0 U	4.0 U	4.0 U
COBALT	10.4 U	14.4 U	14.4	18.0 U	13.2 U	5.0 U	5.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW18S	2LGW18S-2	2LGW18S-2	2LGW19D	2LGW19D	2LGW19D-2	2LGW19D-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	03/23/94	06/26/94	06/26/94	03/23/94	03/23/94	06/23/94	06/23/94
LOCATION:	2LMW18S	2LMW18S	2LMW18S	2LMW19D	2LMW19D	2LMW19D	2LMW19D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Deep	Deep	Deep	Deep
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
COPPER	3.4 U	10.1 R	3.8	42.7	2.0 U	5.0 U	5.0 U
IRON	142000	193000	193000	62200 J	2940 J	5350	304
LEAD	2.0 UJ	84.0	2.0 U	21.6 J	2.0 UJ	2.0 UJ	2.0 UJ
MAGNESIUM	97600	31200	30300	13100	12200	15200	15800
MANGANESE	1070	668	705	860	665	493	484
MERCURY	0.2 U	0.32 J	0.2 U	0.2 U	0.2	0.2 U	0.2 U
NICKEL	28.0 U	30.8	24.9	80.9	34.9	11.0 U	14.0
POTASSIUM	33900	29800	29300	7280	5930	5850	6120
SELENIUM	3.0 UJ	2.0 UJ	2.0 U	3.0 UJ	3.0	2.0 U	2.0 U
SILVER	12.5 U	4.0 U	2.0 U	3.5 J	2.0 UJ	2.0 U	2.0 U
SODIUM	227000	251000	235000	27600	26700	31400	32700
THALLIUM	10.0 UR	20.0 UR	20.0 U	10.0 UR	10.0 UR	10.0 UJ	10.0 UJ
VANADIUM	5.0 U	3.0 U	3.0 U	5.0 U	5.0 U	4.0 U	4.0 U
ZINC	68.9	218	74.0	112 J	6.4	7.4	7.4
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)		45 +/- 61.00					
GROSS ALPHA		11 +/- 6.00					
GROSS BETA		36 +/- 9.00					
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		84		260		304	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW19S	2LGW19S	2LGW19S-2	2LGW19S-2	2LGW20D	2LGW20D	2LGW20D-2
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	01/23/94	01/23/94	07/10/94	07/10/94	04/06/94	04/06/94	07/08/94
LOCATION:	2LMW19S	2LMW19S	2LMW19S	2LMW19S	2LMW20D	2LMW20D	2LMW20D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		10 U		10 U
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		10 U		10 U
1,1,2-TRICHLOROETHANE	10 U		10 U		10 U		10 U
1,1-DICHLOROETHANE	10 U		10 U		10 U		10 U
1,1-DICHLOROETHENE	10 U		10 U		10 U		10 U
1,2-DICHLOROETHANE	10 U		10 U		10 U		10 U
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		10 U		10 U
1,2-DICHLOROPROPANE	10 U		10 U		10 U		10 U
2-BUTANONE	10 U		10 U		10 U		10 U
2-HEXANONE	10 U		10 U		10 U		10 U
4-METHYL-2-PENTANONE	10 U		10 U		10 U		10 U
ACETONE	10 U		10 U		10 UJ		10 U
BENZENE	10 U		10 U		10 U		10 U
BROMODICHLOROMETHANE	10 U		10 U		10 U		10 U
BROMOFORM	10 U		10 U		10 U		10 U
BROMOMETHANE	10 U		10 U		10 U		10 U
CARBON DISULFIDE	10 U		10 U		10 U		10 U
CARBON TETRACHLORIDE	10 U		10 U		10 U		10 U
CHLOROBENZENE	10 U		10 U		10 U		10 U
CHLOROETHANE	10 U		10 U		10 U		10 U
CHLOROFORM	10 U		10 U		10 U		10 U
CHLOROMETHANE	10 U		10 U		10 U		10 U
CIS-1,3-DICHLOROPROPENE	10 U		10 U		10 U		10 U
DIBROMOCHLOROMETHANE	10 U		10 U		10 U		10 U
ETHYLBENZENE	10 U		10 U		10 U		10 U
METHYLENE CHLORIDE	10 U		17 U		12 U		10 U
STYRENE	10 U		10 U		10 U		10 U
TETRACHLOROETHENE	10 U		10 U		10 U		10 U
TOLUENE	10 U		10 U		10 U		10 U
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW19S	2LGW19S	2LGW19S-2	2LGW19S-2	2LGW20D	2LGW20D	2LGW20D-2
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	01/23/94	01/23/94	07/10/94	07/10/94	04/06/94	04/06/94	07/08/94
LOCATION:	2LMW19S	2LMW19S	2LMW19S	2LMW19S	2LMW20D	2LMW20D	2LMW20D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		10 U		10 U
VINYL ACETATE	10 U		10 U		10 U		10 U
VINYL CHLORIDE	10 U		10 U		10 U		10 U
XYLENES, TOTAL	10 U		10 U		10 U		10 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U		10 U		10 U
1,2-DICHLOROBENZENE	10 U		10 U		10 U		10 U
1,3-DICHLOROBENZENE	10 U		10 U		10 U		10 U
1,4-DICHLOROBENZENE	10 U		10 U		10 U		10 U
2,4,5-TRICHLOROPHENOL	25 U		25 U		25 U		25 U
2,4,6-TRICHLOROPHENOL	10 U		10 U		10 U		10 U
2,4-DICHLOROPHENOL	10 U		10 U		10 U		10 U
2,4-DIMETHYLPHENOL	10 U		10 U		10 U		10 U
2,4-DINITROPHENOL	25 U		25 U		25 U		25 U
2,4-DINITROTOLUENE	10 U		10 U		10 U		10 U
2,6-DINITROTOLUENE	10 U		10 U		10 U		10 U
2-CHLORONAPHTHALENE	10 U		10 U		10 U		10 U
2-CHLOROPHENOL	10 U		10 U		10 U		10 U
2-METHYLNAPHTHALENE	10 U		10 U		10 U		10 U
2-METHYLPHENOL	10 U		10 U		10 U		10 U
2-NITROANILINE	25 U		25 U		25 U		25 U
2-NITROPHENOL	10 U		10 U		10 U		10 U
3,3'-DICHLOROBENZIDINE	10 U		10 U		10 U		10 U
3-NITROANILINE	25 U		25 U		25 U		25 U
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U		25 U		25 U
4-BROMOPHENYL PHENYL ETHER	10 U		10 U		10 U		10 U
4-CHLORO-3-METHYLPHENOL	10 U		10 U		10 U		10 U
4-CHLOROANILINE	10 U		10 U		10 U		10 U
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U		10 U		10 U
4-METHYLPHENOL	10 U		10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW19S	2LGW19S	2LGW19S-2	2LGW19S-2	2LGW20D	2LGW20D	2LGW20D-2
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	01/23/94	01/23/94	07/10/94	07/10/94	04/06/94	04/06/94	07/08/94
LOCATION:	2LMW19S	2LMW19S	2LMW19S	2LMW19S	2LMW20D	2LMW20D	2LMW20D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		25 U		25 U		25 U
4-NITROPHENOL	25 U		25 U		25 U		25 U
ACENAPHTHENE	10 U		10 U		10 U		10 U
ACENAPHTHYLENE	10 U		10 U		10 U		10 U
ANTHRACENE	10 U		10 U		10 U		10 U
BENZO(A)ANTHRACENE	10 U		10 U		10 U		10 U
BENZO(A)PYRENE	10 U		10 U		10 U		10 U
BENZO(B)FLUORANTHENE	10 U		10 U		10 U		10 U
BENZO(G,H,I)PERYLENE	10 U		10 U		10 U		10 U
BENZO(K)FLUORANTHENE	10 U		10 U		10 U		10 U
BENZOIC ACID	50 U		50 U		0.9 J		2 J
BENZYL ALCOHOL	10 U		10 U		10 U		10 U
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U		10 U		10 U
BIS(2-CHLOROETHYL)ETHER	10 U		10 U		10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U		10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U		10 U		10 U
BUTYL BENZYL PHTHALATE	10 U		10 U		10 U		10 U
CARBAZOLE	10 U		10 U		10 U		10 U
CHRYSENE	10 U		10 U		10 U		10 U
DI-N-BUTYL PHTHALATE	10 U		10 U		10 U		10 U
DI-N-OCTYL PHTHALATE	10 U		10 U		10 U		10 U
DIBENZO(A,H)ANTHRACENE	10 U		10 U		10 U		10 U
DIBENZOFURAN	10 U		10 U		10 U		10 U
DIETHYL PHTHALATE	10 U		10 U		10 U		10 U
DIMETHYL PHTHALATE	10 U		10 U		10 U		10 U
FLUORANTHENE	10 U		10 U		10 U		10 U
FLUORENE	10 U		10 U		10 U		10 U
HEXACHLOROBENZENE	10 U		10 U		10 U		10 U
HEXACHLOROBUTADIENE	10 U		10 U		10 U		10 U
HEXACHLOROCYCLOPENTADIENE	10 U		10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW19S	2LGW19S	2LGW19S-2	2LGW19S-2	2LGW20D	2LGW20D	2LGW20D-2
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	01/23/94	01/23/94	07/10/94	07/10/94	04/06/94	04/06/94	07/08/94
LOCATION:	2LMW19S	2LMW19S	2LMW19S	2LMW19S	2LMW20D	2LMW20D	2LMW20D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U		10 U		10 U
INDENO(1,2,3-CD)PYRENE	10 U		10 U		10 U		10 U
ISOPHORONE	10 U		10 U		10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U		10 U		10 U
N-NITROSODIPHENYLAMINE	10 U		10 U		10 U		10 U
NAPHTHALENE	10 U		10 U		10 U		10 U
NITROBENZENE	10 U		10 U		10 U		10 U
PENTACHLOROPHENOL	25 U		25 U		25 U		25 U
PHENANTHRENE	10 U		10 U		10 U		10 U
PHENOL	10 U		10 U		0.7 J		10 U
PYRENE	10 U		10 U		10 U		10 U
INORGANICS (UG/L)							
ALUMINUM	124	100 U	10300	116 U	172 U	41.5 U	205 U
ANTIMONY	15.0 U	17.2 J	12.0 U	12.0 U	13.0 U	13.0 U	12.0 U
ARSENIC	2.0 U	2.0 U	5.0 J	5.0 U	2.8 J	2.0 U	3.0 U
BARIUM	98.7	103	503	386	231	220	126
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	50.0 UJ	51.7 J	58.8 U	40.5 U	31.2 U	50.0 U	34.7 U
CADMIUM	2.0 U	2.0 U	2.0 U	2.0 U	3.0 U	3.0 U	2.0 U
CALCIUM	18200 J	19200	90600	90900	40400	35000	26700
CHROMIUM	3.0 U	3.0 U	12.4	4.4 U	4.0 U	4.0 U	5.0 J
COBALT	4.0 U	4.0 U	9.2	3.1 U	10.0 J	6.3 U	24.8
COPPER	2.0 U	2.0 U	9.8	2.7 U	5.0 U	5.0 U	11.8
IRON	55.1 J	12.1 U	12600	96.8 J	12100	1480	49300
LEAD	1.0 U	1.0 U	9.3 U	2.0 U	2.6 J	2.0 UJ	3.4 J
MAGNESIUM	4550	4690	25400	20700	8500	8470	5340
MANGANESE	203	216	1620	1570	266	159	705
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
NICKEL	10.0 U	10.0 U	7.0 U	9.0 J	14.6 J	14.0	59.2 U
POTASSIUM	2690	3050	13000	10800	3770 J	3660	3540

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW19S	2LGW19S	2LGW19S-2	2LGW19S-2	2LGW20D	2LGW20D	2LGW20D-2
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2
SAMPLE DATE:	01/23/94	01/23/94	07/10/94	07/10/94	04/06/94	04/06/94	07/08/94
LOCATION:	2LMW19S	2LMW19S	2LMW19S	2LMW19S	2LMW20D	2LMW20D	2LMW20D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SELENIUM	1.0 U	1.0 UJ	5.0 UJ	5.0 UJ	1.0 U	1.0 U	3.0 U
SILVER	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SODIUM	17500	18000	43200	44100	78200	78300	49900
THALLIUM	1.0 UJ	1.0 UJ	5.0 U	5.0 U	1.1 U	1.3 U	2.0 UJ
VANADIUM	5.0 U	5.0 U	30.3	1.0 U	4.0 U	4.0 U	3.8 U
ZINC	2.8 J	2.3 J	61.7	9.1 U	28.4	20.4 U	70.6
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3			322		136		84

000084

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW20D-2	2LGW20S	2LGW20S	2LGW20S-2	2LGW20S-D-2	2LGW20S-2	2LGW20SD-2
INVESTIGATION:	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH2-2	PH2-2
SAMPLE DATE:	07/08/94	01/23/94	01/23/94	07/08/94	07/08/94	07/08/94	07/08/94
LOCATION:	2LMW20D	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
FIELD DUPLICATE OF:					2LGW20S-2		2LGW20S2DISS
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		10 U		10 U	10 U		
1,1,2,2-TETRACHLOROETHANE		10 U		10 U	10 U		
1,1,2-TRICHLOROETHANE		10 U		10 U	10 U		
1,1-DICHLOROETHANE		10 U		10 U	10 U		
1,1-DICHLOROETHENE		10 U		10 U	10 U		
1,2-DICHLOROETHANE		10 U		10 U	10 U		
1,2-DICHLOROETHENE (TOTAL)		10 U		10 U	10 U		
1,2-DICHLOROPROPANE		10 U		10 U	10 U		
2-BUTANONE		10 U		10 U	10 U		
2-HEXANONE		10 U		10 U	10 U		
4-METHYL-2-PENTANONE		10 U		10 U	10 U		
ACETONE		10 U		10 U	10 U		
BENZENE		10 U		10 U	10 U		
BROMODICHLOROMETHANE		10 U		10 U	10 U		
BROMOFORM		10 U		10 U	10 U		
BROMOMETHANE		10 U		10 U	10 U		
CARBON DISULFIDE		10 U		10 U	10 U		
CARBON TETRACHLORIDE		10 U		10 U	10 U		
CHLOROBENZENE		10 U		10 U	10 U		
CHLOROETHANE		10 U		10 U	10 U		
CHLOROFORM		10 U		10 U	10 U		
CHLOROMETHANE		10 U		10 U	10 U		
CIS-1,3-DICHLOROPROPENE		10 U		10 U	10 U		
DIBROMOCHLOROMETHANE		10 U		10 U	10 U		
ETHYLBENZENE		10 U		10 U	10 U		
METHYLENE CHLORIDE		10 U		10 U	8 J		
STYRENE		10 U		10 U	10 U		
TETRACHLOROETHENE		10 U		10 U	10 U		
TOLUENE		10 U		10 U	10 U		
TRANS-1,3-DICHLOROPROPENE		10 U		10 U	10 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW20D-2	2LGW20S	2LGW20S	2LGW20S-2	2LGW20S-D-2	2LGW20S-2	2LGW20SD-2
INVESTIGATION:	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH2-2	PH2-2
SAMPLE DATE:	07/08/94	01/23/94	01/23/94	07/08/94	07/08/94	07/08/94	07/08/94
LOCATION:	2LMW20D	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
FIELD DUPLICATE OF:					2LGW20S-2		2LGW20S2DISS
VOLATILES (UG/L)							
TRICHLOROETHENE		10 U		10 U	10 U		
VINYL ACETATE		10 U		10 U	10 U		
VINYL CHLORIDE		10 U		10 U	10 U		
XYLENES, TOTAL		10 U		10 U	10 U		
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		10 U		10 U	10 U		
1,2-DICHLOROBENZENE		10 U		10 U	10 U		
1,3-DICHLOROBENZENE		10 U		10 U	10 U		
1,4-DICHLOROBENZENE		10 U		10 U	10 U		
2,4,5-TRICHLOROPHENOL		25 U		25 U	25 U		
2,4,6-TRICHLOROPHENOL		10 U		10 U	10 U		
2,4-DICHLOROPHENOL		10 U		10 U	10 U		
2,4-DIMETHYLPHENOL		10 U		10 U	10 U		
2,4-DINITROPHENOL		25 U		25 U	25 U		
2,4-DINITROTOLUENE		10 U		10 U	10 U		
2,6-DINITROTOLUENE		10 U		10 U	10 U		
2-CHLORONAPHTHALENE		10 U		10 U	10 U		
2-CHLOROPHENOL		10 U		10 U	10 U		
2-METHYLNAPHTHALENE		10 U		10 U	10 U		
2-METHYLPHENOL		10 U		10 U	10 U		
2-NITROANILINE		25 U		25 U	25 U		
2-NITROPHENOL		10 U		10 U	10 U		
3,3'-DICHLOROBENZIDINE		10 U		10 U	10 U		
3-NITROANILINE		25 U		25 U	25 U		
4,6-DINITRO-2-METHYLPHENOL		25 U		25 U	25 U		
4-BROMOPHENYL PHENYL ETHER		10 U		10 U	10 U		
4-CHLORO-3-METHYLPHENOL		10 U		10 U	10 U		
4-CHLOROANILINE		10 U		10 U	10 U		
4-CHLOROPHENYL PHENYL ETHER		10 U		10 U	10 U		
4-METHYLPHENOL		10 U		10 U	10 U		

000086

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW20D-2	2LGW20S	2LGW20S	2LGW20S-2	2LGW20S-D-2	2LGW20S-2	2LGW20SD-2
INVESTIGATION:	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH2-2	PH2-2
SAMPLE DATE:	07/08/94	01/23/94	01/23/94	07/08/94	07/08/94	07/08/94	07/08/94
LOCATION:	2LMW20D	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
FIELD DUPLICATE OF:					2LGW20S-2		2LGW20S2DISS
SEMIVOLATILES (UG/L)							
4-NITROANILINE		25 U		25 U	25 U		
4-NITROPHENOL		25 U		25 U	25 U		
ACENAPHTHENE		10 U		10 U	10 U		
ACENAPHTHYLENE		10 U		10 U	10 U		
ANTHRACENE		10 U		10 U	10 U		
BENZO(A)ANTHRACENE		10 U		10 U	10 U		
BENZO(A)PYRENE		10 U		10 U	10 U		
BENZO(B)FLUORANTHENE		10 U		10 U	10 U		
BENZO(G,H,I)PERYLENE		10 U		10 U	10 U		
BENZO(K)FLUORANTHENE		10 U		10 U	10 U		
BENZOIC ACID		50 U		1 J	1 J		
BENZYL ALCOHOL		10 U		10 U	10 U		
BIS(2-CHLOROETHOXY)METHANE		10 U		10 U	10 U		
BIS(2-CHLOROETHYL)ETHER		10 U		10 U	10 U		
BIS(2-CHLOROISOPROPYL) ETHER		10 U		10 U	10 U		
BIS(2-ETHYLHEXYL)PHTHALATE		10 U		10 U	10 U		
BUTYL BENZYL PHTHALATE		10 U		10 U	10 U		
CARBAZOLE		10 U		10 U	10 U		
CHRYSENE		10 U		10 U	10 U		
DI-N-BUTYL PHTHALATE		10 U		10 U	10 U		
DI-N-OCTYL PHTHALATE		10 U		10 U	10 U		
DIBENZO(A,H)ANTHRACENE		10 U		10 U	10 U		
DIBENZOFURAN		10 U		10 U	10 U		
DIETHYL PHTHALATE		10 U		10 U	10 U		
DIMETHYL PHTHALATE		10 U		10 U	10 U		
FLUORANTHENE		10 U		10 U	10 U		
FLUORENE		10 U		10 U	10 U		
HEXACHLOROBENZENE		10 U		10 U	10 U		
HEXACHLOROBUTADIENE		10 U		10 U	10 U		
HEXACHLOROCYCLOPENTADIENE		10 U		10 U	10 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW20D-2	2LGW20S	2LGW20S	2LGW20S-2	2LGW20S-D-2	2LGW20S-2	2LGW20SD-2
INVESTIGATION:	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH2-2	PH2-2
SAMPLE DATE:	07/08/94	01/23/94	01/23/94	07/08/94	07/08/94	07/08/94	07/08/94
LOCATION:	2LMW20D	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
FIELD DUPLICATE OF:					2LGW20S-2		2LGW20S2DISS
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE		10 U		10 U	10 U		
INDENO(1,2,3-CD)PYRENE		10 U		10 U	10 U		
ISOPHORONE		10 U		10 U	10 U		
N-NITROSO-DI-N-PROPYLAMINE		10 U		10 U	10 U		
N-NITROSODIPHENYLAMINE		10 U		10 U	10 U		
NAPHTHALENE		10 U		10 U	10 U		
NITROBENZENE		10 U		10 U	10 U		
PENTACHLOROPHENOL		25 U		25 U	25 U		
PHENANTHRENE		10 U		10 U	10 U		
PHENOL		10 U		10 U	10 U		
PYRENE		10 U		10 U	10 U		
INORGANICS (UG/L)							
ALUMINUM	52.0 U	116 U	26.2 U	4650	4210	72.3 U	41.8 U
ANTIMONY	13.4 U	15.0 U	15.0 U	12.0 U	12.0 U	12.0 U	12.0 U
ARSENIC	5.0 U	2.0 U	2.0 U	7.9 U	4.5 U	5.0 U	5.0 U
BARIUM	119	57.4	57.6	113	116	97.7	103
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	11.8 J	52.5 J	52.4 J	52.9 U	62.4 U	39.3	49.1
CADMIUM	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
CALCIUM	23400	35100 J	35900	62600	62400	65300	71400
CHROMIUM	3.0 U	3.0 U	3.0 U	6.6	4.9 J	3.0 U	4.2 U
COBALT	8.0 U	4.0 U	4.0 U	3.5 J	4.4 J	3.0 U	3.0 U
COPPER	2.0 U	2.0 U	2.0 U	8.2	7.8	2.0 U	2.0 U
IRON	20700	4390 J	4440	18100	18700	14800	15900
LEAD	2.0 U	1.0 U	1.0 U	9.4	9.4	2.4 J	6.2
MAGNESIUM	5370	6160	6190	10900	11100	10900	11600
MANGANESE	554	1060	1070	1780	1790	1830	2010
MERCURY	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U
NICKEL	7.0 U	10.0 U	10.0 U	8.3 U	11.2 U	7.0 U	7.0 U
POTASSIUM	3140	4400	4560	7120	7250	6390	6710

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW20D-2	2LGW20S	2LGW20S	2LGW20S-2	2LGW20S-D-2	2LGW20S-2	2LGW20SD-2
INVESTIGATION:	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH2-2	PH2-2
SAMPLE DATE:	07/08/94	01/23/94	01/23/94	07/08/94	07/08/94	07/08/94	07/08/94
LOCATION:	2LMW20D	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S	2LMW20S
SCREEN DEPTH:	Deep	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Filtered
FIELD DUPLICATE OF:					2LGW20S-2		2LGW20S2DISS
INORGANICS (UG/L)							
SELENIUM	5.0 UJ	1.3 U	1.0 UJ	3.0 U	3.0 U	5.0 UJ	5.0 UJ
SILVER	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.1 U	2.0 U
SODIUM	52100	29600	29600	44600	45200	44900	44100
THALLIUM	5.0 U	1.0 UJ	1.0 UJ	2.0 J	3.7 J	5.8 J	5.0 U
VANADIUM	3.0 U	5.0 U	5.1 J	48.8	45.8	3.0 U	3.1 J
ZINC	16.1 U	3.3 J	4.9 J	26.3 U	23.6 U	10.1 U	8.9 U
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3				196	192		

000089

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	5 U	10 U		10 U		5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	10 U		10 U		5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	10 U		10 U		5 U
1,1-DICHLOROETHANE	5 U	5 U	10 U		10 U		5 U
1,1-DICHLOROETHENE	5 U	5 U	10 U		10 U		5 U
1,2-DICHLOROETHANE	5 U	5 U	10 U		10 U		5 U
1,2-DICHLOROETHENE (TOTAL)	5 U	5 U	10 U		10 U		5 U
1,2-DICHLOROPROPANE	5 U	5 U	10 U		10 U		5 U
2-BUTANONE	10 U	10 U	10 U		10 U		10 U
2-HEXANONE	10 U	10 U	10 U		10 U		10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U		10 U		10 U
ACETONE	10 U	10 U	10 U		10 U		10 U
BENZENE	5 U	5 U	10 U		10 U		5 U
BROMODICHLOROMETHANE	5 U	5 U	10 U		10 U		5 U
BROMOFORM	5 U	5 U	10 U		10 U		5 U
BROMOMETHANE	10 U	10 U	10 U		10 U		10 U
CARBON DISULFIDE	5 U	5 U	10 U		10 U		5 U
CARBON TETRACHLORIDE	5 U	5 U	10 U		10 U		5 U
CHLOROBENZENE	5 U	5 U	10 U		10 U		5 U
CHLOROETHANE	10 U	10 U	10 U		10 U		10 U
CHLOROFORM	5 U	5 U	10 U		10 U		5 U
CHLOROMETHANE	10 U	10 U	10 U		10 U		10 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	10 U		10 U		5 U
DIBROMOCHLOROMETHANE	5 U	5 U	10 U		10 U		5 U
ETHYLBENZENE	5 U	5 U	10 U		10 U		5 U
METHYLENE CHLORIDE	5 U	5 U	10 U		10 U		5 U
STYRENE	5 U	5 U	10 U		10 U		5 U
TETRACHLOROETHENE	5 U	5 U	10 U		10 U		5 U
TOLUENE	5 U	5 U	10 U		10 U		5 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	10 U		10 U		5 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
VOLATILES (UG/L)							
TRICHLOROETHENE	5 U	5 U	10 U		10 U		5 U
VINYL ACETATE	10 U	10 U	10 U		10 UJ		10 U
VINYL CHLORIDE	10 U	10 U	10 U		10 U		10 U
XYLENES, TOTAL	5 U	5 U	10 U		10 U		5 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U		10 U		10 U
1,2-DICHLOROBENZENE	10 U	10 U	10 U		10 U		10 U
1,3-DICHLOROBENZENE	10 U	10 U	10 U		10 U		10 U
1,4-DICHLOROBENZENE	10 U	10 U	10 U		10 U		10 U
2,4,5-TRICHLOROPHENOL	50 U	50 U	25 U		25 U		50 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U		10 U		10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U		10 U		10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U		10 U		10 U
2,4-DINITROPHENOL	50 U	50 U	25 U		25 U		50 U
2,4-DINITROTOLUENE	10 U	10 U	10 U		10 U		10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U		10 U		10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U		10 U		10 U
2-CHLOROPHENOL	10 U	10 U	10 U		10 U		10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U		10 U		10 U
2-METHYLPHENOL	10 U	10 U	10 U		10 U		10 U
2-NITROANILINE	50 U	50 U	25 U		25 U		50 U
2-NITROPHENOL	10 U	10 U	10 U		10 U		10 U
3,3'-DICHLOROBENZIDINE	20 U	20 U	10 U		10 U		20 U
3-NITROANILINE	50 U	50 U	25 U		25 U		50 U
4,6-DINITRO-2-METHYLPHENOL	50 U	50 U	25 U		25 U		50 U
4-BROMOPHENYL PHENYL ETHER	10 U	10 U	10 U		10 U		10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U		10 U		10 U
4-CHLOROANILINE	10 U	10 U	10 U		10 U		10 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U	10 U		10 U		10 U
4-METHYLPHENOL	10 U	10 U	10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	50 U	25 U		25 U		50 U
4-NITROPHENOL	50 U	50 U	25 U		25 U		50 U
ACENAPHTHENE	10 U	10 U	10 U		10 U		10 U
ACENAPHTHYLENE	10 U	10 U	10 U		10 U		10 U
ANTHRACENE	10 U	10 U	10 U		10 U		10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U		10 U		10 U
BENZO(A)PYRENE	10 U	10 U	10 U		10 U		10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U		10 U		10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U		10 U		10 U
BENZO(K)FLUORANTHENE	10 U	10 U	10 U		10 U		10 U
BENZOIC ACID	50 U	50 U	50 U		50 U		50 U
BENZYL ALCOHOL	10 U	10 U	10 U		10 U		10 U
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U		10 U		10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U		10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U	10 U		10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U	10 U		10 J		10 U
BUTYL BENZYL PHTHALATE	10 U	10 U	10 U		10 U		10 U
CARBAZOLE			10 U		10 U		
CHRYSENE	10 U	10 U	10 U		10 U		10 U
DI-N-BUTYL PHTHALATE	10 U	10 U	10 U		10 U		10 U
DI-N-OCTYL PHTHALATE	10 U	10 U	10 U		10 U		10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 U		10 U		10 U
DIBENZOFURAN	10 U	10 U	10 U		10 U		10 U
DIETHYL PHTHALATE	10 U	10 U	10 U		10 U		10 U
DIMETHYL PHTHALATE	10 U	10 U	10 U		10 U		10 U
FLUORANTHENE	10 U	10 U	10 U		10 U		10 U
FLUORENE	10 U	10 U	10 U		10 U		10 U
HEXACHLOROBENZENE	10 U	10 U	10 U		10 U		10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U		10 U		10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U	10 U		10 U		10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U		10 U		10 U
ISOPHORONE	10 U	10 U	10 U		10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U		10 U		10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U		10 U		10 U
NAPHTHALENE	10 U	10 U	10 U		10 U		10 U
NITROBENZENE	10 U	10 U	10 U		10 U		10 U
PENTACHLOROPHENOL	50 U	50 U	25 U		25 U		50 U
PHENANTHRENE	10 U	10 U	10 U		10 U		10 U
PHENOL	10 U	10 U	10 U		10 U		10 U
PYRENE	10 U	10 U	10 U		10 U		10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U	0.1 U					0.1 U
4,4'-DDE	0.1 U	0.1 U					0.1 U
4,4'-DDT	0.1 U	0.1 U					0.1 U
ALDRIN	0.05 U	0.05 U					0.052 U
ALPHA-BHC	0.05 U	0.05 U					0.052 U
ALPHA-CHLORDANE	0.5 U	0.5 U					0.52 U
AROCLOR-1016	0.5 U	0.5 U					0.52 U
AROCLOR-1221	0.5 U	0.5 U					0.52 U
AROCLOR-1232	0.5 U	0.5 U					0.52 U
AROCLOR-1242	0.5 U	0.5 U					0.52 U
AROCLOR-1248	0.5 U	0.5 U					0.52 U
AROCLOR-1254	1 U	1 U					1 U
AROCLOR-1260	1 U	1 U					1 U
BETA-BHC	0.05 U	0.05 U					0.052 U
DELTA-BHC	0.05 U	0.05 U					0.052 U
DIELDRIN	0.1 U	0.1 U					0.1 U
ENDOSULFAN II	0.1 U	0.1 U					0.1 U
ENDOSULFAN SULFATE	0.1 U	0.1 U					0.1 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.05 U	0.05 U					0.052 U
ENDRIN	0.1 U	0.1 U					0.1 U
ENDRIN KETONE	0.1 U	0.1 U					0.1 U
GAMMA-BHC (LINDANE)	0.05 U	0.05 U					0.052 U
GAMMA-CHLORDANE	0.5 U	0.5 U					0.52 U
HEPTACHLOR	0.05 U	0.05 U					0.052 U
HEPTACHLOR EPOXIDE	0.05 U	0.05 U					0.052 U
METHOXYCHLOR	0.5 U	0.5 U					0.52 U
TOXAPHENE	1 U	1 U					1 U
INORGANICS (UG/L)							
ALUMINUM	30.0 U	30.0 U	80.5 U	54.1 U	121 J	13.0 U	30.0 U
ANTIMONY	25.0 U	25.0 U	15.0 U	15.0 UJ	12.0 U	12.0 U	25.0 U
ARSENIC	3.0 U	3.0 U	2.0 U	2.0 UJ	3.6 J	3.6 J	3.0 U
BARIUM	57.4	57.8	135	119	142 J	118	25.0
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	2.1 R	2.1 R	57.8 J	57.3 J	113 U	80.6 U	1.2 R
CADMIUM	3.8 J	2.6 J	2.0 U	2.0 U	1.7 J	1.0 U	2.0 U
CALCIUM	13900	13900	27900	27000	30000	28300	26000
CHROMIUM	5.0 U	5.0 U	3.0 UJ	3.0 U	4.2 J	3.0 U	11.5 J
COBALT	5.0 U	5.0 U	12.7 U	5.3 U	3.5 U	1.5 U	5.3
COPPER	6.1 J	7.5 J	8.0 U	2.0 U	9.3	3.0 U	5.0 U
CYANIDE	5.0 U	5.0 U					5.0 UJ
IRON	28100	27800	44000	3520	83900	20700	13600
LEAD	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.2 U	1.0 U	8.5 J
MAGNESIUM	4040	4010	6700	6590	7310	7010	36200
MANGANESE	216	213	235	76.4	700 J	279	280
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ
NICKEL	21.1 J	22.0 J	17.8 U	10.0 U	13.7	3.9	16.8 J
POTASSIUM	3290	3420	5680	5580	6360	6420	16400
SELENIUM	1.0 U	1.0 U	3.0 U	3.0 UJ	3.0 UJ	3.0 UJ	2.9

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	010891-2LMW7D	010891-2LMW21D	2LGW7D	2LGW7D	2LGW7D-2	2LGW7D-2	010391-2LMW7S
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	01/08/91	01/08/91	03/20/94	03/20/94	06/27/94	06/27/94	01/02/91
LOCATION:	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7D	2LMW7S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:		010891-2LMW7D					
INORGANICS (UG/L)							
SILVER	7.0 U	7.0 U	2.5 J	2.0 UJ	2.0 U	2.0 U	7.0 U
SODIUM	89200	88800	123000	122000	141000	135000	365000
THALLIUM	2.0 U	2.0 U	10.0 UR	10.0 UR	20.0 UJ	2.0 UJ	2.0 UR
VANADIUM	20.0 U	20.0 U	5.0 U	5.0 U	3.0 U	3.0 U	20.0 U
ZINC	11.0 J	8.3 J	14.7	3.8 J	20.2 J	16.0	10.5 J
RADIONUCLIDES (PCI/L)							
GROSS ALPHA	1.3 +/- 2.60						11 +/- 22.50
GROSS BETA	6.6 +/- 3.30						20.9 +/- 14.70
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3			100		100		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHENE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		5 U	10 U	
1,2-DICHLOROPROPANE	10 U		10 U		5 U	10 U	
2-BUTANONE	10 U		10 U		10 U	10 U	
2-HEXANONE	10 U		10 U		10 U	10 U	
4-METHYL-2-PENTANONE	10 U		10 U		10 U	10 U	
ACETONE	10 U		10 U		10 U	10 U	
BENZENE	10 U		10 U		5 U	10 U	
BROMODICHLOROMETHANE	10 U		10 U		5 U	10 U	
BROMOFORM	10 U		10 U		5 U	10 U	
BROMOMETHANE	10 U		10 U		10 U	10 U	
CARBON DISULFIDE	10 U		3 J		5 U	10 U	
CARBON TETRACHLORIDE	10 U		10 U		5 U	10 U	
CHLOROBENZENE	10 U		10 U		5 U	10 U	
CHLOROETHANE	10 U		10 U		10 U	10 U	
CHLOROFORM	10 U		10 U		5 U	10 U	
CHLOROMETHANE	10 U		10 U		10 U	10 U	
CIS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	
DIBROMOCHLOROMETHANE	10 U		10 U		5 U	10 U	
ETHYLBENZENE	10 U		10 U		5 U	10 U	
METHYLENE CHLORIDE	10 U		10 U		5 U	10 U	
STYRENE	10 U		10 U		5 U	10 U	
TETRACHLOROETHENE	10 U		10 U		5 U	10 U	
TOLUENE	10 U		10 U		5 U	10 U	
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		5 U	10 U	
VINYL ACETATE	10 U		10 UJ		10 U	10 U	
VINYL CHLORIDE	10 U		10 U		10 U	10 U	
XYLENES, TOTAL	10 U		2 J		5 U	10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,2-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,3-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,4-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
2,4,5-TRICHLOROPHENOL	25 U		25 U		50 U	25 U	
2,4,6-TRICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DIMETHYLPHENOL	10 U		10 U		10 U	10 U	
2,4-DINITROPHENOL	25 U		25 U		50 U	25 U	
2,4-DINITROTOLUENE	7 J		10 U		10 U	10 U	
2,6-DINITROTOLUENE	10 U		10 U		10 U	10 U	
2-CHLORONAPHTHALENE	10 U		10 U		10 U	10 U	
2-CHLOROPHENOL	10 U		10 U		10 U	10 U	
2-METHYLNAPHTHALENE	10 U		10 U		10 U	10 U	
2-METHYLPHENOL	10 U		10 U		10 U	10 U	
2-NITROANILINE	25 U		25 U		50 U	25 U	
2-NITROPHENOL	10 U		10 U		10 U	10 U	
3,3'-DICHLOROBENZIDINE	10 U		10 U		20 U	10 U	
3-NITROANILINE	25 U		25 U		50 U	25 U	
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U		50 U	25 U	
4-BROMOPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-CHLORO-3-METHYLPHENOL	10 U		10 U		10 U	10 U	
4-CHLOROANILINE	10 U		10 U		10 U	10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-METHYLPHENOL	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 UJ		25 U		50 U	25 U	
4-NITROPHENOL	25 U		25 U		50 U	25 U	
ACENAPHTHENE	1 J		10 U		10 U	10 U	
ACENAPHTHYLENE	10 U		10 U		10 U	10 U	
ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)PYRENE	10 U		10 U		10 U	10 U	
BENZO(B)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZO(G,H,I)PERYLENE	10 U		10 U		10 U	10 U	
BENZO(K)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZOIC ACID	10 UJ		50 U		50 U	50 UJ	
BENZYL ALCOHOL	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHYL)ETHER	10 U		10 U		10 U	10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U		10 U	10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	1		62 J		10 U	10 U	
BUTYL BENZYL PHTHALATE	10 U		10 U		10 U	10 U	
CARBAZOLE	10 UJ		10 U			10 U	
CHRYSENE	10 U		10 U		10 U	10 U	
DI-N-BUTYL PHTHALATE	10 U		10 U		10 U	10 U	
DI-N-OCTYL PHTHALATE	10 U		10 U		10 U	10 U	
DIBENZO(A,H)ANTHRACENE	10 U		10 U		10 U	10 U	
DIBENZOFURAN	10 U		10 U		10 U	10 U	
DIETHYL PHTHALATE	1 J		10 U		10 U	10 U	
DIMETHYL PHTHALATE	10 U		10 U		10 U	10 U	
FLUORANTHENE	10 U		10 U		10 U	10 U	
FLUORENE	1 J		10 U		10 U	10 U	
HEXACHLOROBENZENE	10 U		10 U		10 U	10 U	
HEXACHLOROBUTADIENE	10 U		10 U		10 U	10 U	
HEXACHLOROCYCLOPENTADIENE	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U		10 U	10 U	
INDENO(1,2,3-CD)PYRENE	10 U		10 U		10 U	10 U	
ISOPHORONE	10 U		10 U		10 U	10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U		10 U	10 U	
N-NITROSODIPHENYLAMINE	10 U		10 U		10 U	10 U	
NAPHTHALENE	10 U		10 U		10 U	10 U	
NITROBENZENE	10 U		10 U		10 U	10 U	
PENTACHLOROPHENOL	25 U		25 U		50 U	25 U	
PHENANTHRENE	10 U		10 U		10 U	10 U	
PHENOL	10 U		10 U		10 U	10 U	
PYRENE	10 U		10 U		10 U	10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD					0.11 U		
4,4'-DDE					0.11 U		
4,4'-DDT					0.11 U		
ALDRIN					0.056 U		
ALPHA-BHC					0.056 U		
ALPHA-CHLORDANE					0.56 U		
AROCLOR-1016					0.56 U		
AROCLOR-1221					0.56 U		
AROCLOR-1232					0.56 U		
AROCLOR-1242					0.56 U		
AROCLOR-1248					0.56 U		
AROCLOR-1254					1.1 U		
AROCLOR-1260					1.1 U		
BETA-BHC					0.056 U		
DELTA-BHC					0.056 U		
DIELDRIN					0.11 U		
ENDOSULFAN II					0.11 U		
ENDOSULFAN SULFATE					0.11 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I					0.056 U		
ENDRIN					0.11 U		
ENDRIN KETONE					0.11 U		
GAMMA-BHC (LINDANE)					0.056 U		
GAMMA-CHLORDANE					0.56 U		
HEPTACHLOR					0.056 U		
HEPTACHLOR EPOXIDE					0.056 U		
METHOXYCHLOR					0.56 U		
TOXAPHENE					1.1 U		
INORGANICS (UG/L)							
ALUMINUM	79.6 U	14.0 U	3960 J	10.0 U	30.0 U	122 U	65.2 U
ANTIMONY	15.0 U	15.0 U	12.0 U	19.9 U	25.0 U	15.0 U	15.0 UJ
ARSENIC	5.1 J	5.0 J	37.0	20.0 U	3.0 U	2.6 J	2.0 UJ
BARIUM	52.1	49.3	61.5 J	48.0 U	15.0 U	8.7 J	5.0 U
BERYLLIUM	1.0 U	1.0 U	1.1 J	1.0 U	1.0 U	1.0 U	1.0 U
BORON	719 U	751	3010 J	2670	1.2 R	50.0 U	50.0 U
CADMIUM	2.0 U	2.0 U	2.4 R	2.0 UR	2.0 U	2.0 U	2.0 U
CALCIUM	56100	56400	143000	147000	33400	44300	41600
CHROMIUM	5.4 U	5.9 U	23.2 J	6.0 U	5.0 U	3.0 UJ	3.0 U
COBALT	4.0 U	4.5	4.0 U	3.0 U	5.0 U	15.6 U	4.0 U
COPPER	2.5	2.7	13.3	30.1 J	6.2 J	2.0 U	2.0 U
CYANIDE					5.0 UJ		
IRON	18900	17600	51100	164 J	41.9 J	24600	20.0 U
LEAD	1.0 UJ	1.0 UJ	13.9	10.0 UJ	3.8	2.0 U	2.0 UJ
MAGNESIUM	127000	127000	563000	451000	2210	3010	2960
MANGANESE	301	292	175 J	36.8	57.5 J	92.0	12.1
MERCURY	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U
NICKEL	10.0 U	10.0 U	9.3	15.7 U	7.0 U	10.0 U	10.0 U
POTASSIUM	43000	43700	208000	172000	1420 J	1020 U	701 U
SELENIUM	3.0 UJ	3.0 UJ	30.0 UJ	10.0 UJ	1.0 J	3.0 U	3.0 UJ

000100

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW7S	2LGW7S	2LGW7S-2	2LGW7S-2	121790-2LMW8D	2LGW8D	2LGW8D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	01/25/94	06/27/94	06/27/94	12/17/90	03/20/94	03/20/94
LOCATION:	2LMW7S	2LMW7S	2LMW7S	2LMW7S	2LMW8D	2LMW8D	2LMW8D
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	2.0 U	2.2 U	2.0 U	2.0 U	7.0 U	2.0 UJ	2.0 UJ
SODIUM	1070000 J	1060000 J	5230000	4570000	11400	12700	12300
THALLIUM	10.0 UJ	1.0 UJ	20.0 UJ	2.0 UJ	2.0 U	1.0 UR	1.0 UR
VANADIUM	5.7	5.0 U	24.7 J	11.4 U	20.0 U	5.0 U	5.0 U
ZINC	2.0 U	2.0 U	42.5 J	2.0 UJ	2.0 UJ	2.0 U	2.4 J
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)	250 +/- 100.00		130 +/- 70.00				
GROSS ALPHA	3 +/- 13.00 U		6 +/- 34.00		0 +/- 2.20		
GROSS BETA	43 +/- 19.00		85 +/- 48.00		2.9 +/- 2.90		
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	1180		2900			124	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1,2,2-TETRACHLOROETHANE	10 U		5 U	10 U		10 U	
1,1,2-TRICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1-DICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1-DICHLOROETHENE	10 U		5 U	10 U		10 U	
1,2-DICHLOROETHANE	10 U		5 U	10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U		5 U	10 U		10 U	
1,2-DICHLOROPROPANE	10 U		5 U	10 U		10 U	
2-BUTANONE	10 U		10 U	10 U		10 U	
2-HEXANONE	10 UJ		10 U	10 U		10 UJ	
4-METHYL-2-PENTANONE	10 U		10 U	10 U		10 U	
ACETONE	10 U		10 U	10 U		10 U	
BENZENE	10 U		5 U	10 U		10 U	
BROMODICHLOROMETHANE	10 U		5 U	10 U		10 U	
BROMOFORM	10 U		5 U	10 U		10 U	
BROMOMETHANE	10 U		10 U	10 U		10 U	
CARBON DISULFIDE	10 U		5 U	10 U		10 U	
CARBON TETRACHLORIDE	10 U		5 U	10 U		10 U	
CHLOROBENZENE	10 U		5 U	10 U		10 U	
CHLOROETHANE	10 U		10 U	10 U		10 U	
CHLOROFORM	10 U		5 U	10 U		10 U	
CHLOROMETHANE	10 U		10 U	10 U		10 U	
CIS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	
DIBROMOCHLOROMETHANE	10 U		5 U	10 U		10 U	
ETHYLBENZENE	10 U		2 J	10 U		10 U	
METHYLENE CHLORIDE	10 U		5 U	10 U		34 U	
STYRENE	10 U		5 U	10 U		10 U	
TETRACHLOROETHENE	10 U		5 U	10 U		10 U	
TOLUENE	10 U		5 U	10 U		10 U	
TRANS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		5 U	10 U		10 U	
VINYL ACETATE	10 U		10 U	10 U		10 U	
VINYL CHLORIDE	10 U		10 U	10 U		10 U	
XYLENES, TOTAL	10 U		2 J	10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,2-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,3-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,4-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
2,4,5-TRICHLOROPHENOL	25 U		50 U	25 U		25 U	
2,4,6-TRICHLOROPHENOL	10 U		10 U	10 U		10 U	
2,4-DICHLOROPHENOL	10 U		10 U	10 U		10 U	
2,4-DIMETHYLPHENOL	10 U		10 U	10 U		10 U	
2,4-DINITROPHENOL	25 U		50 U	25 U		25 UJ	
2,4-DINITROTOLUENE	10 U		10 U	10 U		10 U	
2,6-DINITROTOLUENE	10 U		10 U	10 U		10 U	
2-CHLORONAPHTHALENE	10 U		10 U	10 U		10 U	
2-CHLOROPHENOL	10 U		10 U	10 U		10 U	
2-METHYLNAPHTHALENE	10 U		10 U	10 U		10 U	
2-METHYLPHENOL	10 U		10 U	10 U		10 U	
2-NITROANILINE	25 U		50 U	25 U		25 U	
2-NITROPHENOL	10 U		10 U	10 U		10 U	
3,3'-DICHLOROBENZIDINE	10 U		20 U	10 U		10 U	
3-NITROANILINE	25 U		50 U	25 U		25 U	
4,6-DINITRO-2-METHYLPHENOL	25 U		50 U	25 U		25 UJ	
4-BROMOPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	
4-CHLORO-3-METHYLPHENOL	10 U		10 U	10 U		10 U	
4-CHLOROANILINE	10 U		10 U	10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	
4-METHYLPHENOL	10 U		10 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		50 U	25 UJ		25 U	
4-NITROPHENOL	25 U		50 U	25 U		25 U	
ACENAPHTHENE	10 U		10 U	10 U		10 U	
ACENAPHTHYLENE	10 U		10 U	10 U		10 U	
ANTHRACENE	10 U		10 U	10 U		10 U	
BENZO(A)ANTHRACENE	10 U		10 U	10 U		10 U	
BENZO(A)PYRENE	10 U		10 U	10 U		10 U	
BENZO(B)FLUORANTHENE	10 U		10 U	10 U		10 U	
BENZO(G,H,I)PERYLENE	10 U		10 U	10 U		10 U	
BENZO(K)FLUORANTHENE	10 U		10 U	10 U		10 U	
BENZOIC ACID	50 U		50 U	1 J		50 U	
BENZYL ALCOHOL	10 U		10 U	10 U		10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U	10 U		10 U	
BIS(2-CHLOROETHYL)ETHER	10 U		10 U	10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U	10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	17 U		10 U	54		10 U	
BUTYL BENZYL PHTHALATE	0.5 J		10 U	1 J		10 U	
CARBAZOLE	10 U			10 UJ		10 U	
CHRYSENE	10 U		10 U	10 U		10 U	
DI-N-BUTYL PHTHALATE	10 U		10 U	10 U		10 U	
DI-N-OCTYL PHTHALATE	10 U		10 U	10 U		10 U	
DIBENZO(A,H)ANTHRACENE	10 U		10 U	10 U		10 U	
DIBENZOFURAN	10 U		10 U	10 U		10 U	
DIETHYL PHTHALATE	10 U		10 U	10 U		10 U	
DIMETHYL PHTHALATE	10 U		10 U	10 U		10 U	
FLUORANTHENE	10 U		10 U	10 U		10 U	
FLUORENE	10 U		10 U	10 U		10 U	
HEXACHLOROBENZENE	10 U		10 U	10 U		10 U	
HEXACHLOROBUTADIENE	10 U		10 U	10 U		10 U	
HEXACHLOROCYCLOPENTADIENE	10 U		10 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U	10 U		10 U	
INDENO(1,2,3-CD)PYRENE	10 U		10 U	10 U		10 U	
ISOPHORONE	10 U		10 U	10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U	10 U		10 U	
N-NITROSODIPHENYLAMINE	10 U		10 U	10 U		10 U	
NAPHTHALENE	10 U		3 J	10 U		2 J	
NITROBENZENE	10 U		10 U	10 U		10 U	
PENTACHLOROPHENOL	25 U		50 U	25 U		25 U	
PHENANTHRENE	10 U		10 U	10 U		10 U	
PHENOL	10 U		10 U	10 U		10 U	
PYRENE	10 U		10 U	10 U		10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD			0.1 U				
4,4'-DDE			0.1 U				
4,4'-DDT			0.1 U				
ALDRIN			0.051 U				
ALPHA-BHC			0.051 U				
ALPHA-CHLORDANE			0.51 U				
AROCLOR-1016			0.51 U				
AROCLOR-1221			0.51 U				
AROCLOR-1232			0.51 U				
AROCLOR-1242			0.51 U				
AROCLOR-1248			0.51 U				
AROCLOR-1254			1 U				
AROCLOR-1260			1 U				
BETA-BHC			0.051 U				
DELTA-BHC			0.051 U				
DIELDRIN			0.1 U				
ENDOSULFAN II			0.1 U				
ENDOSULFAN SULFATE			0.1 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I			0.051 U				
ENDRIN			0.1 U				
ENDRIN KETONE			0.1 U				
GAMMA-BHC (LINDANE)			0.051 U				
GAMMA-CHLORDANE			0.51 U				
HEPTACHLOR			0.051 U				
HEPTACHLOR EPOXIDE			0.051 U				
METHOXYCHLOR			0.51 U				
TOXAPHENE			1 U				
INORGANICS (UG/L)							
ALUMINUM	61.3 J	16.7	30.0 U	47.5 U	14.0 U	100 U	12.8
ANTIMONY	3.0 U	19.4	25.0 U	15.0 U	15.0 U	19.3 U	12.0 U
ARSENIC	3.0	2.0 U	3.0 U	2.0 UJ	2.0 UJ	3.6 U	2.5
BARIUM	9.7	6.0 U	33.4	39.0	5.0 U	45.6	50.5
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	50.0 U	23.3	1.2 R	50.0 U	50.0 U	38.5 U	50.0 U
CADMIUM	1.0 U	2.0 U	3.8	2.0 U	2.0 U	2.0 U	2.0 U
CALCIUM	52800	38100	14100	10800	157 U	19900	21300
CHROMIUM	2.3	3.0 U	5.0 U	3.0 U	3.0 U	3.2 J	3.0 U
COBALT	3.2	3.0 U	5.0 U	4.0 U	4.0 U	7.4 U	5.6
COPPER	5.3 U	4.8	7.1 J	2.0 U	2.0 U	2.0 U	2.0 U
CYANIDE			5.0 U				
IRON	53800	22.7	8360	3210	46.4	13900	12600
LEAD	2.0 UJ	2.0 U	3.0	1.0 UJ	1.0 UJ	2.0 UJ	2.0 U
MAGNESIUM	3020	2730	2440	2650	106 U	4350	4630
MANGANESE	309	39.9	544	126	9.1	420	470
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.29	0.2 U	0.2 U
NICKEL	12.0 U	7.0 U	7.0 U	10.0 U	10.0 U	7.0 U	7.0 U
POTASSIUM	865 J	1450	3560 J	2490	1000 U	3510	3290
SELENIUM	2.0 U	2.0 U	1.0 J	3.0 U	3.0 UJ	2.0 U	2.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW8D-2	2LGW8D-2	121490-2LMW8S	2LGW8S	2LGW8S	2LGW8S-2	2LGW8S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/27/94	06/27/94	12/14/90	01/26/94	01/26/94	06/26/94	06/26/94
LOCATION:	2LMW8D	2LMW8D	2LMW8S	2LMW8S	2LMW8S	2LMW8S	2LMW8S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	1.0 U	2.0 U	7.0 U	2.0 U	2.0 U	2.0 U	2.0 U
SODIUM	13700	12400	12600	15400	104 U	23300	25100
THALLIUM	20.0 UR	2.0 U	2.0 U	1.0 UJ	1.0 UJ	2.0 U	20.0 U
VANADIUM	1.0 U	3.0 U	20.0 U	5.0 U	5.6	3.0 U	3.0 U
ZINC	8.4	6.5	13.2 J	3.4 U	2.0 U	6.7 U	8.1
RADIONUCLIDES (PCI/L)							
GROSS ALPHA			1.2 +/- 1.30				
GROSS BETA			3.7 +/- 2.80				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	132			420		64	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		10 U		5 U	10 U
1,1,2,2-TETRACHLOROETHANE	5 U	10 U		10 U		5 U	10 U
1,1,2-TRICHLOROETHANE	5 U	10 U		10 U		5 U	10 U
1,1-DICHLOROETHANE	5 U	10 U		10 U		5 U	10 U
1,1-DICHLOROETHENE	5 U	10 U		10 U		5 U	10 U
1,2-DICHLOROETHANE	5 U	10 U		10 U		5 U	10 U
1,2-DICHLOROETHENE (TOTAL)	5 U	10 U		10 U		5 U	10 U
1,2-DICHLOROPROPANE	5 U	10 U		10 U		5 U	10 U
2-BUTANONE	10 U	10 U		10 U		10 U	10 U
2-HEXANONE	10 U	10 U		10 U		10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U		10 U		10 U	10 U
ACETONE	19 U	10 U		10 U		10 U	10 J
BENZENE	5 U	10 U		10 U		5 U	10 U
BROMODICHLOROMETHANE	5 U	10 U		10 U		5 U	10 U
BROMOFORM	5 U	10 U		10 U		5 U	10 U
BROMOMETHANE	10 U	10 U		10 U		10 U	10 U
CARBON DISULFIDE	5 U	10 U		10 U		5 U	1 J
CARBON TETRACHLORIDE	5 U	10 U		10 U		5 U	10 U
CHLOROBENZENE	5 U	10 U		10 U		5 U	10 U
CHLOROETHANE	10 U	10 U		10 U		10 U	10 U
CHLOROFORM	5 U	10 U		10 U		5 U	10 U
CHLOROMETHANE	10 U	10 U		10 U		10 U	10 U
CIS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		5 U	10 U
DIBROMOCHLOROMETHANE	5 U	10 U		10 U		5 U	10 U
ETHYLBENZENE	5 U	10 U		10 U		5 U	10 U
METHYLENE CHLORIDE	5 U	10 U		10 U		5 U	10 U
STYRENE	5 U	10 U		10 U		5 U	10 U
TETRACHLOROETHENE	5 U	10 U		10 U		5 U	10 U
TOLUENE	5 U	10 U		10 U		5 U	10 U
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		5 U	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	5 U	10 U		10 U		5 U	10 U
VINYL ACETATE	10 U	10 U		10 U		10 U	10 U
VINYL CHLORIDE	10 U	10 U		10 U		10 U	10 U
XYLENES, TOTAL	5 U	10 U		10 U		5 U	10 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U
1,2-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U
1,3-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U
1,4-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U
2,4,5-TRICHLOROPHENOL	50 U	25 U		25 U		50 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 U		10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U		10 U		10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U		10 U		10 U	10 U
2,4-DINITROPHENOL	50 U	25 U		25 U		50 U	25 U
2,4-DINITROTOLUENE	10 U	10 U		10 U		10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U		10 U		10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U		10 U		10 U	10 U
2-CHLOROPHENOL	10 U	10 U		10 U		10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U		10 U		10 U	10 U
2-METHYLPHENOL	10 U	10 U		10 U		10 U	10 U
2-NITROANILINE	50 U	25 U		25 U		50 U	25 U
2-NITROPHENOL	10 U	10 U		10 U		10 U	10 U
3,3'-DICHLOROBENZIDINE	20 U	10 U		10 U		20 U	10 U
3-NITROANILINE	50 U	25 U		25 U		50 U	25 U
4,6-DINITRO-2-METHYLPHENOL	50 U	25 U		25 U		50 U	25 U
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U		10 U	10 U
4-CHLOROANILINE	10 U	10 U		10 U		10 U	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	10 U
4-METHYLPHENOL	10 U	10 U		10 U		7 J	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	25 U		25 U		50 U	25 UJ
4-NITROPHENOL	50 U	25 U		25 U		50 U	25 U
ACENAPHTHENE	10 U	10 U		10 U		10 U	1 J
ACENAPHTHYLENE	10 U	10 U		10 U		10 U	10 U
ANTHRACENE	10 U	10 U		10 U		10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U		10 U		10 U	10 U
BENZO(A)PYRENE	10 U	10 U		10 U		10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U		10 U		10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U		10 U		10 U	10 U
BENZO(K)FLUORANTHENE	10 U	10 U		10 U		10 U	10 U
BENZOIC ACID	50 U	50 U		0.5 J		4 J	10 UJ
BENZYL ALCOHOL	10 U	10 U		10 UJ		10 U	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U		10 U		10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U		10 U		10 U	10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U		10 U		10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U		10 U		10 U	1
BUTYL BENZYL PHTHALATE	10 U	10 U		10 U		10 U	10 U
CARBAZOLE		10 U		10 U			10 UJ
CHRYSENE	10 U	10 U		10 U		10 U	10 U
DI-N-BUTYL PHTHALATE	10 U	10 U		1 J		10 U	1 J
DI-N-OCTYL PHTHALATE	10 U	10 U		10 U		10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U		10 U		10 U	10 U
DIBENZOFURAN	10 U	10 U		10 U		10 U	10 U
DIETHYL PHTHALATE	10 U	10 U		10 U		10 U	10 U
DIMETHYL PHTHALATE	10 U	10 U		10 U		10 U	10 U
FLUORANTHENE	10 U	10 U		10 U		10 U	10 U
FLUORENE	10 U	10 U		10 U		10 U	10 U
HEXACHLOROBENZENE	10 U	10 U		10 U		10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U		10 U		10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 U		10 U	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U		10 U		10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U		10 U		10 U	10 U
ISOPHORONE	10 U	10 U		10 U		10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U		10 U		10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U		10 U		10 U	10 U
NAPHTHALENE	10 U	10 U		10 U		6 J	1 J
NITROBENZENE	10 U	10 U		10 U		10 U	10 U
PENTACHLOROPHENOL	50 U	25 U		25 U		50 U	25 U
PHENANTHRENE	10 U	10 U		10 U		10 U	10 U
PHENOL	10 U	10 U		10 U		10 U	10 U
PYRENE	10 U	10 U		10 U		10 U	10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U					0.1 U	
4,4'-DDE	0.1 U					0.1 U	
4,4'-DDT	0.1 U					0.1 U	
ALDRIN	0.05 U					0.052 U	
ALPHA-BHC	0.05 U					0.052 U	
ALPHA-CHLORDANE	0.5 U					0.52 U	
AROCLOR-1016	0.5 U					0.52 U	
AROCLOR-1221	0.5 U					0.52 U	
AROCLOR-1232	0.5 U					0.52 U	
AROCLOR-1242	0.5 U					0.52 U	
AROCLOR-1248	0.5 U					0.52 U	
AROCLOR-1254	1 U					1 U	
AROCLOR-1260	1 U					1 U	
BETA-BHC	0.05 U					0.052 U	
DELTA-BHC	0.05 U					0.052 U	
DIELDRIN	0.1 U					0.1 U	
ENDOSULFAN II	0.1 U					0.1 U	
ENDOSULFAN SULFATE	0.1 U					0.1 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.05 U					0.052 U	
ENDRIN	0.1 U					0.1 U	
ENDRIN KETONE	0.1 U					0.1 U	
GAMMA-BHC (LINDANE)	0.05 U					0.052 U	
GAMMA-CHLORDANE	0.5 U					0.52 U	
HEPTACHLOR	0.05 U					0.052 U	
HEPTACHLOR EPOXIDE	0.05 U					0.052 U	
METHOXYCHLOR	0.5 U					0.52 U	
TOXAPHENE	1 U					1 U	
INORGANICS (UG/L)							
ALUMINUM	30.0 U	133 U	57.0 U	64.8 U	46.3 U	30.0 U	82.7 U
ANTIMONY	25.0 U	15.0 U	15.0 UJ	12.0 U	12.0 U	25.0 U	15.0 U
ARSENIC	3.0 U	2.4 J	3.0 J	5.0 U	5.0 U	3.0 U	4.1 J
BARIUM	62.9	105	105	41.6	47.2	112	251
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	1.3 R	177	186 J	175	170	1.1 R	124 U
CADMIUM	2.0 U	2.3 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
CALCIUM	24400	36200	36900	29500	30400	34700	49300
CHROMIUM	5.0 U	3.0 UJ	3.0 U	4.7 U	3.0 U	5.0 U	3.0 U
COBALT	5.0 U	4.0 U	4.0 U	4.2 U	3.0 U	5.0 U	4.0 U
COPPER	10.5 J	3.0 U	2.0 U	6.2 U	2.6 U	5.0 U	3.0
CYANIDE	5.0 U					5.0 UJ	
IRON	7580	15400	11700	8030	2110	13100	19000
LEAD	2.0 UJ	2.0 U	2.0 UJ	4.6	2.6 J	2.0 UJ	1.0 U
MAGNESIUM	29300	36900	38100	37100	38400	4040	6590
MANGANESE	1030	1350	1340	238	351	412	646
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
NICKEL	23.1 J	10.0 U	11.4 U	7.0 U	7.0 U	22.6 J	16.8
POTASSIUM	11800	16900	17100	15600	15400	4710	7880
SELENIUM	1.5	3.0 U	3.0 UJ	5.0 UJ	5.0 UJ	2.2	3.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	011091-2LMW9D	2LGW9D	2LGW9D	2LGW9D-2	2LGW9D-2	010291-2LMW9S	2LGW9S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1
SAMPLE DATE:	01/10/91	03/21/94	03/21/94	07/06/94	07/06/94	01/02/91	01/25/94
LOCATION:	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9D	2LMW9S	2LMW9S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	7.0 U	2.0 UJ	2.5 U	2.0 U	2.0 U	7.0 U	2.0 U
SODIUM	287000	365000	378000	355000	377000	160000	317000
THALLIUM	2.0 U	10.0 UR	10.0 UR	5.0 U	5.0 U	2.0 UR	10.0 UJ
VANADIUM	20.0 U	5.0 U	5.0 U	3.0 U	3.0 U	20.0 U	5.0 U
ZINC	10.2 J	2.0 U	7.3	11.6 U	9.8 U	14.2 J	61.2
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)		ND		ND			
GROSS ALPHA	14.7 +/- 7.30	7 +/- 5.00 J		6 +/- 5.00		0.5 +/- 2.90	
GROSS BETA	18.8 +/- 7.30	22 +/- 9.00 J		18 +/- 9.00		6 +/- 3.80	
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		260		222			168

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW9S	2LGW1S-X	2LPW1S	2LPW1S	2LPW1S-1	2LPW1S-1	2LPW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	02/04/94	04/04/94	04/04/94	04/28/94	04/28/94	04/28/94
LOCATION:	2LMW9S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		10 U			10 U		10 U
1,1,2,2-TETRACHLOROETHANE		10 U			10 U		10 U
1,1,2-TRICHLOROETHANE		10 U			10 U		10 U
1,1-DICHLOROETHANE		10 U			10 U		10 U
1,1-DICHLOROETHENE		10 U			10 U		10 U
1,2-DICHLOROETHANE		10 U			10 U		10 U
1,2-DICHLOROETHENE (TOTAL)		10 U			10 U		10 U
1,2-DICHLOROPROPANE		10 U			10 U		10 U
2-BUTANONE		10 U			10 U		10 U
2-HEXANONE		10 U			10 U		10 U
4-METHYL-2-PENTANONE		10 U			10 J		9 J
ACETONE		110 U			20 U		16 U
BENZENE		10 U			10 U		10 U
BROMODICHLOROMETHANE		10 U			10 U		10 U
BROMOFORM		10 U			10 U		10 U
BROMOMETHANE		10 U			10 U		10 U
CARBON DISULFIDE		10 U			10 U		10 U
CARBON TETRACHLORIDE		10 U			10 U		10 U
CHLOROBENZENE		10 U			10 U		10 U
CHLOROETHANE		10 U			10 U		10 U
CHLOROFORM		10 U			10 U		10 U
CHLOROMETHANE		10 U			10 U		10 U
CIS-1,3-DICHLOROPROPENE		10 U			10 U		10 U
DIBROMOCHLOROMETHANE		10 U			10 U		10 U
ETHYLBENZENE		10 U			3 J		5 J
METHYLENE CHLORIDE		10 U			20		20
STYRENE		10 U			10 U		10 U
TETRACHLOROETHENE		10 U			10 U		10 U
TOLUENE		10 U			2 J		1 J
TRANS-1,3-DICHLOROPROPENE		10 U			10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW9S	2LGW1S-X	2LPW1S	2LPW1S	2LPW1S-1	2LPW1S-1	2LPW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	02/04/94	04/04/94	04/04/94	04/28/94	04/28/94	04/28/94
LOCATION:	2LMW9S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE		10 U			10 U		10 U
VINYL ACETATE		10 U			10 U		10 U
VINYL CHLORIDE		10 U			10 U		10 U
XYLENES, TOTAL		9 J			11		26
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		10 U			10 U		
1,2-DICHLOROBENZENE		10 U			10 U		
1,3-DICHLOROBENZENE		10 U			10 U		
1,4-DICHLOROBENZENE		10 U			10 U		
2,4,5-TRICHLOROPHENOL		25 U			25 U		
2,4,6-TRICHLOROPHENOL		10 U			10 U		
2,4-DICHLOROPHENOL		10 U			10 U		
2,4-DIMETHYLPHENOL		10 U			10 U		
2,4-DINITROPHENOL		25 U			25 U		
2,4-DINITROTOLUENE		10 U			10 U		
2,6-DINITROTOLUENE		10 U			10 U		
2-CHLORONAPHTHALENE		10 U			10 U		
2-CHLOROPHENOL		10 U			10 U		
2-METHYLNAPHTHALENE		10 U			0.8 J		
2-METHYLPHENOL		10 U			10 U		
2-NITROANILINE		25 U			25 U		
2-NITROPHENOL		10 U			10 U		
3,3'-DICHLOROBENZIDINE		10 U			10 U		
3-NITROANILINE		25 U			25 U		
4,6-DINITRO-2-METHYLPHENOL		25 U			25 U		
4-BROMOPHENYL PHENYL ETHER		10 U			10 U		
4-CHLORO-3-METHYLPHENOL		10 U			10 U		
4-CHLOROANILINE		10 U			10 U		
4-CHLOROPHENYL PHENYL ETHER		10 U			10 U		
4-METHYLPHENOL		2 J			10 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW9S	2LGW1S-X	2LPW1S	2LPW1S	2LPW1S-1	2LPW1S-1	2LPW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	02/04/94	04/04/94	04/04/94	04/28/94	04/28/94	04/28/94
LOCATION:	2LMW9S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE		25 U			25 U		
4-NITROPHENOL		25 U			25 U		
ACENAPHTHENE		10 U			0.6 J		
ACENAPHTHYLENE		10 U			10 U		
ANTHRACENE		10 U			10 U		
BENZO(A)ANTHRACENE		10 U			10 U		
BENZO(A)PYRENE		10 UJ			10 U		
BENZO(B)FLUORANTHENE		10 UJ			10 U		
BENZO(G,H,I)PERYLENE		10 UJ			10 U		
BENZO(K)FLUORANTHENE		10 UJ			10 U		
BENZOIC ACID		50 U			13 J		
BENZYL ALCOHOL		10 UJ			10 U		
BIS(2-CHLOROETHOXY)METHANE		10 U			10 U		
BIS(2-CHLOROETHYL)ETHER		10 U			10 U		
BIS(2-CHLOROISOPROPYL) ETHER		10 U			10 U		
BIS(2-ETHYLHEXYL)PHTHALATE		10 U			10 U		
BUTYL BENZYL PHTHALATE		10 U			10 U		
CARBAZOLE		10 U			0.6 J		
CHRYSENE		10 U			10 U		
DI-N-BUTYL PHTHALATE		10 U			10 U		
DI-N-OCTYL PHTHALATE		10 UJ			10 U		
DIBENZO(A,H)ANTHRACENE		10 UJ			10 U		
DIBENZOFURAN		10 U			0.6 J		
DIETHYL PHTHALATE		1 J			10 U		
DIMETHYL PHTHALATE		10 U			10 U		
FLUORANTHENE		10 U			10 U		
FLUORENE		10 U			0.9 J		
HEXACHLOROBENZENE		10 U			10 U		
HEXACHLOROBUTADIENE		10 U			10 U		
HEXACHLOROCYCLOPENTADIENE		10 U			10 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW9S	2LGW1S-X	2LPW1S	2LPW1S	2LPW1S-1	2LPW1S-1	2LPW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	02/04/94	04/04/94	04/04/94	04/28/94	04/28/94	04/28/94
LOCATION:	2LMW9S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE		10 U			10 U		
INDENO(1,2,3-CD)PYRENE		10 UJ			10 U		
ISOPHORONE		10 U			10 U		
N-NITROSO-DI-N-PROPYLAMINE		10 U			10 U		
N-NITROSODIPHENYLAMINE		10 U			10 U		
NAPHTHALENE		2 J			3 J		
NITROBENZENE		10 U			10 U		
PENTACHLOROPHENOL		25 U			25 U		
PHENANTHRENE		10 U			1 J		
PHENOL		10 U			10 U		
PYRENE		10 U			10 U		
PESTICIDES/PCBs (UG/L)							
AROCLOR-1016					0.1 UJ		
AROCLOR-1221					0.2 UJ		
AROCLOR-1232					0.1 UJ		
AROCLOR-1242					0.1 UJ		
AROCLOR-1248					0.1 UJ		
AROCLOR-1254					0.1 UJ		
AROCLOR-1260					0.1 UJ		
INORGANICS (UG/L)							
ALUMINUM	14.0 U				103 U	50.0 U	
ANTIMONY	15.0 U				13.0 U	13.0 U	
ARSENIC	5.3 J				20.0 UJ	2.4 J	
BARIUM	261				878	780	
BERYLLIUM	1.0 U				1.0 U	1.2 J	
BORON	101 U				686	547	
CADMIUM	2.0 U				3.0 U	3.0 U	
CALCIUM	50200				124000	116000	
CHROMIUM	3.0 U				4.0 U	4.0 U	
COBALT	4.0 U				5.0 U	5.0 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LGW9S	2LGW1S-X	2LPW1S	2LPW1S	2LPW1S-1	2LPW1S-1	2LPW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	01/25/94	02/04/94	04/04/94	04/04/94	04/28/94	04/28/94	04/28/94
LOCATION:	2LMW9S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
COPPER	2.0 U		74.7	28.7	9.8 J	5.3 J	
IRON	19600				15100	9610	
LEAD	1.0 UJ		17.7	20.6	2.0 UJ	2.0 UJ	
MAGNESIUM	6880				30800	30400	
MANGANESE	655				478	486	
MERCURY	0.2 U				0.2 U	0.2 U	
NICKEL	11.8		16.2 U	24.3	11.0 U	11.0 U	
POTASSIUM	7950				87300 J	79900 J	
SELENIUM	3.0 UJ				20.0 UJ	2.0 UJ	
SILVER	2.0 U				2.0 U	2.2 U	
SODIUM	332000				7200000	6960000	
THALLIUM	10.0 UJ				10.0 UJ	10.0 UJ	
VANADIUM	5.0 U				4.0 U	4.0 U	
ZINC	42.6 J		132	35.2	35.5	60.8	
TOTAL PETROLEUM HYDROCARBONS (UG/L)							
OIL & GREASE					600		
MISCELLANEOUS PARAMETERS (MG/L)							
AMMONIA, AS NITROGEN					10.2		
BIOCHEMICAL OXYGEN DEMAND					4.1		
CHEMICAL OXYGEN DEMAND					900		
HARDNESS as CaCO3					600		
TOTAL ORGANIC CARBON					13.4		
TOTAL PHOSPHORUS					0.11		
TOTAL SUSPENDED SOLIDS					38		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-3	2LPW1S-4	2LPW1S-5	2LPW1S-6	2LPW1S-7	2LPW1S-7	2LPW1S-8
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	04/28/94	04/28/94	04/28/94	04/29/94	04/29/94	04/29/94	05/01/94
LOCATION:	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U		10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
1,2-DICHLOROETHENE (TOTAL)	10 U	10 U	10 U	10 U	10 U		10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U		10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U		10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U		10 U
4-METHYL-2-PENTANONE	3 J	11	7 J	7 J	7 J		7 J
ACETONE	14 U	12 U	10 U	10 U	10 U		10 U
BENZENE	10 U	10 U	10 U	10 U	10 U		10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U		10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U		10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U		10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U		10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U		10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U		10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U		10 U
CHLOROFORM	10 U	10 U	10 U	10 U	10 U		10 U
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U		10 U
CIS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U		10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U		10 U
ETHYLBENZENE	6 J	6 J	5 J	5 J	5 J		6 J
METHYLENE CHLORIDE	22	22	10 U	10 U	10 U		10 U
STYRENE	10 U	10 U	10 U	10 U	10 U		10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U		10 U
TOLUENE	2 J	1 J	2 J	2 J	1 J		2 J
TRANS-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-3	2LPW1S-4	2LPW1S-5	2LPW1S-6	2LPW1S-7	2LPW1S-7	2LPW1S-8
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	04/28/94	04/28/94	04/28/94	04/29/94	04/29/94	04/29/94	05/01/94
LOCATION:	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U		10 U
VINYL ACETATE	10 U	10 U	10 U	10 U	10 U		10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U		10 U
XYLENES, TOTAL	30	28	28	30	32		35
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE					10 U		10 U
1,2-DICHLOROBENZENE					10 U		10 U
1,3-DICHLOROBENZENE					10 U		10 U
1,4-DICHLOROBENZENE					10 U		10 U
2,4,5-TRICHLOROPHENOL					25 U		25 U
2,4,6-TRICHLOROPHENOL					10 U		10 U
2,4-DICHLOROPHENOL					10 U		10 U
2,4-DIMETHYLPHENOL					10 U		0.8 J
2,4-DINITROPHENOL					25 U		25 U
2,4-DINITROTOLUENE					10 U		10 U
2,6-DINITROTOLUENE					10 U		10 U
2-CHLORONAPHTHALENE					10 U		10 U
2-CHLOROPHENOL					10 U		10 U
2-METHYLNAPHTHALENE					0.8 J		1 J
2-METHYLPHENOL					10 U		10 U
2-NITROANILINE					25 U		25 U
2-NITROPHENOL					10 U		10 U
3,3'-DICHLOROBENZIDINE					10 U		10 U
3-NITROANILINE					25 U		25 U
4,6-DINITRO-2-METHYLPHENOL					25 U		25 U
4-BROMOPHENYL PHENYL ETHER					10 U		10 U
4-CHLORO-3-METHYLPHENOL					10 U		10 U
4-CHLOROANILINE					10 U		10 U
4-CHLOROPHENYL PHENYL ETHER					10 U		10 U
4-METHYLPHENOL					10 U		0.5 J

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-3	2LPW1S-4	2LPW1S-5	2LPW1S-6	2LPW1S-7	2LPW1S-7	2LPW1S-8
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	04/28/94	04/28/94	04/28/94	04/29/94	04/29/94	04/29/94	05/01/94
LOCATION:	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE					25 U		25 U
4-NITROPHENOL					25 U		25 U
ACENAPHTHENE					0.5 J		10 U
ACENAPHTHYLENE					10 U		10 U
ANTHRACENE					10 U		10 U
BENZO(A)ANTHRACENE					10 U		10 U
BENZO(A)PYRENE					10 U		10 U
BENZO(B)FLUORANTHENE					10 U		10 U
BENZO(G,H,I)PERYLENE					10 U		10 U
BENZO(K)FLUORANTHENE					10 U		10 U
BENZOIC ACID					50 U		50 U
BENZYL ALCOHOL					10 U		10 U
BIS(2-CHLOROETHOXY)METHANE					10 U		10 U
BIS(2-CHLOROETHYL)ETHER					10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER					10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE					10 U		10 U
BUTYL BENZYL PHTHALATE					10 U		10 U
CARBAZOLE					10 U		0.5 J
CHRYSENE					10 U		10 U
DI-N-BUTYL PHTHALATE					10 U		10 U
DI-N-OCTYL PHTHALATE					10 U		10 U
DIBENZO(A,H)ANTHRACENE					10 U		10 U
DIBENZOFURAN					10 U		10 U
DIETHYL PHTHALATE					10 U		10 U
DIMETHYL PHTHALATE					10 U		10 U
FLUORANTHENE					10 U		10 U
FLUORENE					0.8 J		0.9 J
HEXACHLOROBENZENE					10 U		10 U
HEXACHLOROBUTADIENE					10 U		10 U
HEXACHLOROCYCLOPENTADIENE					10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-3	2LPW1S-4	2LPW1S-5	2LPW1S-6	2LPW1S-7	2LPW1S-7	2LPW1S-8
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	04/28/94	04/28/94	04/28/94	04/29/94	04/29/94	04/29/94	05/01/94
LOCATION:	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE					10 U		10 U
INDENO(1,2,3-CD)PYRENE					10 U		10 U
ISOPHORONE					10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE					10 U		10 U
N-NITROSODIPHENYLAMINE					10 U		10 U
NAPHTHALENE					2 J		3 J
NITROBENZENE					10 U		10 U
PENTACHLOROPHENOL					25 U		25 U
PHENANTHRENE					1 J		1 J
PHENOL					10 U		10 U
PYRENE					10 U		10 U
PESTICIDES/PCBs (UG/L)							
AROCLOR-1016					1 UJ		1 U
AROCLOR-1221					2 UJ		2 U
AROCLOR-1232					1 UJ		1 U
AROCLOR-1242					1 UJ		1 U
AROCLOR-1248					1 UJ		1 U
AROCLOR-1254					1 UJ		1 U
AROCLOR-1260					1 UJ		1 U
INORGANICS (UG/L)							
ALUMINUM					53.2 U	61.0 U	70.1 U
ANTIMONY					13.0 U	13.7 J	13.0 U
ARSENIC					2.8 J	2.0 U	2.0 U
BARIUM					925	884	956
BERYLLIUM					1.0 U	1.2 J	1.3 J
BORON					628	577	486
CADMIUM					3.0 U	3.0 U	3.0 U
CALCIUM					130000	121000	114000
CHROMIUM					4.0 U	4.0 U	7.9 J
COBALT					5.0 U	5.0 U	5.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-3	2LPW1S-4	2LPW1S-5	2LPW1S-6	2LPW1S-7	2LPW1S-7	2LPW1S-8
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	04/28/94	04/28/94	04/28/94	04/29/94	04/29/94	04/29/94	05/01/94
LOCATION:	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S	2LPW1S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
COPPER					7.9 J	5.0 U	18.8
IRON					14000	13800	11700
LEAD					2.0 UJ	2.0 U	2.0 U
MAGNESIUM					33500	31000	28600
MANGANESE					523	478	409
MERCURY					0.2 U	0.2 U	0.2 U
NICKEL					11.0 U	11.0 U	11.0 U
POTASSIUM					97100 J	89300 J	87800 J
SELENIUM					2.0 UJ	2.0 U	20.0 U
SILVER					2.0 U	2.0 U	2.8 U
SODIUM					6530000	6450000	7280000
THALLIUM					10.0 UJ	10.0 U	10.0 U
VANADIUM					4.0 U	4.0 U	4.5 J
ZINC					46.0	15.0	63.8
TOTAL PETROLEUM HYDROCARBONS (UG/L)							
OIL & GREASE					1100		700
MISCELLANEOUS PARAMETERS (MG/L)							
AMMONIA, AS NITROGEN					7.8		6.79
BIOCHEMICAL OXYGEN DEMAND					2 U		3 U
CHEMICAL OXYGEN DEMAND					839		9440
HARDNESS as CaCO3					520		510
TOTAL ORGANIC CARBON					8.7		7.2
TOTAL PHOSPHORUS					0.12		0.1 U
TOTAL SUSPENDED SOLIDS					36		33

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LPW1S-8						
INVESTIGATION:	PH2-1						
SAMPLE DATE:	05/01/94	/ /	/ /	/ /	/ /	/ /	/ /
LOCATION:	2LPW1S						
SCREEN DEPTH:	Shallow						
FILTERING:	Filtered						
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
ALUMINUM	31.5 U						
ANTIMONY	13.0 U						
ARSENIC	2.0 U						
BARIUM	924						
BERYLLIUM	1.0 U						
BORON	475						
CADMIUM	3.0 U						
CALCIUM	115000						
CHROMIUM	4.0 U						
COBALT	5.0 U						
COPPER	5.0 U						
IRON	8640						
LEAD	2.0 U						
MAGNESIUM	28400						
MANGANESE	406						
MERCURY	0.2 U						
NICKEL	11.0 U						
POTASSIUM	87300 J						
SELENIUM	20.0 U						
SILVER	2.0 U						
SODIUM	6420000						
THALLIUM	10.0 U						
VANADIUM	4.0 U						
ZINC	35.3						

SUMMARY OF PAVEMENT ANALYTICAL RESULTS
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LC1	2LC2	2LC3	2LC4			
LOCATION:	2LC1	2LC2	2LC3	2LC4			
SAMPLE DATE:	11/15/93	11/15/93	11/15/93	11/15/93	/ /	/ /	/ /
INVESTIGATION:	FFS	FFS	FFS	FFS			
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	3.3 UJ	30 UJ	170 U	12			
4,4'-DDE	3.3 U	30 UJ	170 U	5			
4,4'-DDT	3.3 J	30 UJ	550	4.3			
ALDRIN	1.7 U	15 UJ	86 U	1.7 U			
ALPHA-BHC	1.7 U	15 UJ	21 J	1.7 U			
ALPHA-CHLORDANE	1.7 U	15 UJ	86 U	1.7 U			
AROCLOR-1016	33 U	300 UJ	1700 U	33 U			
AROCLOR-1221	67 U	610 UJ	3400 U	67 U			
AROCLOR-1232	33 U	300 UJ	1700 U	33 U			
AROCLOR-1242	33 U	300 UJ	1700 U	33 U			
AROCLOR-1248	33 U	300 UJ	1700 U	33 U			
AROCLOR-1254	33 U	300 UJ	1700 U	33 U			
AROCLOR-1260	33 UJ	490 J	1700 U	340			
BETA-BHC	1.7 U	15 UJ	86 U	1.7 U			
DELTA-BHC	1.7 U	15 UJ	86 U	1.7 U			
DIELDRIN	3.3 U	30 UJ	160 J	3.3 U			
ENDOSULFAN II	3.3 UJ	30 UJ	440 J	3.3 U			
ENDOSULFAN SULFATE	3.3 UJ	30 UJ	170 U	3.3 U			
ENDOSULFAN-I	1.7 U	15 UJ	78 J	1.7 U			
ENDRIN	0.79 J	30 UJ	15 J	3.5			
ENDRIN ALDEHYDE	9.4 J	30 UJ	170 U	3.3 U			
ENDRIN KETONE	3.3 UJ	30 UJ	130 J	3.6			
GAMMA-BHC (LINDANE)	1.7 U	15 UJ	86 U	1.7 U			
GAMMA-CHLORDANE	1.7 U	15 UJ	86 U	1.1 J			
HEPTACHLOR	1.7 U	15 UJ	86 U	1.7 U			
HEPTACHLOR EPOXIDE	0.51 J	4.2 J	300 J	2.2			
METHOXYCHLOR	17 UJ	150 UJ	860 U	17 U			
TOXAPHENE	170 UJ	1500 UJ	8600 U	170 U			

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LMW13(2-4)	2LMW33(2-4)	2LMW13(6-8)	2LMW14S(5-7)	2LMW17(0-2)	2LMW17(4-8)	2LMW18S(0-2)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	08/22/90	08/22/90	08/22/90	08/02/90	08/15/90	08/15/90	08/07/90
LOCATION:	2LMW13S	2LMW13S	2LMW13S	2LMW14S	2LMW17S	2LMW17S	2LMW18S
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FIELD DUPLICATE OF:		2LMW13(2-4)					
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.200	0.170	0.190	0.0040	0.180 J	0.190 J	0.190 J
BARIUM (100.0/1.0)	0.230	0.200	0.220	0.160 J	0.350 J	0.340 J	0.250
CADMIUM (1.0/0.005)	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0089 J	0.0650 J	0.0050 U
CHROMIUM (5.0/0.05)	0.0500 U	0.0500 U	0.0500 U	0.0100 U	0.0100 J	0.0140 J	0.0100 U
LEAD (5.0/0.015)	0.100 U	0.100 U	0.100 U	0.0040 J	0.100 U	0.100 U	0.220 J
MERCURY (0.2/0.002)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
SELENIUM (1.0/0.05)	0.110 J	0.100 J	0.120 J	0.0030	0.100 U	0.100 U	0.100 U
SILVER (5.0/0.036)	0.0310 UJ	0.0080 UJ	0.0080 UJ	0.0100 J	0.0080 U	0.0080 U	0.0080 UJ

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LMW18S(2-6)	2LMW7(7-10)	2LMW8S(6-10)	2LMW9(2-8)	2LMW9(0-4)	2LMW19(0-4)	2LSS1
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	08/07/90	08/15/90	08/02/90	08/16/90	08/17/90	08/17/90	11/28/90
LOCATION:	2LMW18S	2LMW7S	2LMW8S	2LMW9S	2LMW9S	2LMW9S	2LSS1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FIELD DUPLICATE OF:						2LMW9(0-4)	
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0025 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0025 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0020 U	0.0025 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.100 U	0.210 J	0.0080	0.300 J	0.100 U	0.180 J	0.300 U
BARIUM (100.0/1.0)	0.300	0.300 J	0.140 J	0.320 J	0.290 J	0.290 J	0.370 J
CADMIUM (1.0/0.005)	0.0180	0.0050 J	0.0050 U	0.0340 J	0.0190 J	0.0220 J	0.0370
CHROMIUM (5.0/0.05)	0.0100 U	0.0100 U	0.0120 J	0.0350 J	0.0100 U	0.0100 U	0.0500 U
LEAD (5.0/0.015)	0.300 J	0.100 U	0.0070 J	0.840 J	0.170 J	0.250 J	0.300 U
MERCURY (0.2/0.002)	0.0002 U	0.0004 U	0.0004 U	0.0002 U	0.0002 U	0.0002 U	0.0020 U
SELENIUM (1.0/0.05)	0.100 U	0.100 J	0.0020 U	0.230 J	0.100 U	0.100 U	0.0060 J
SILVER (5.0/0.036)	0.0080 UJ	0.0080 U	0.0100 J	0.0420 J	0.0080 U	0.0080 U	0.0070 UR

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* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LTB18 (0-2)	2LTB2(2-8)	2LTB26 (4-6)			
INVESTIGATION:	PH1	FFS	PH1	FFS			
SAMPLE DATE:	11/28/90	11/02/93	08/16/90	11/12/93			
LOCATION:	2LSS2	2LTB18	2LTB2	2LTB26			
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB			
FIELD DUPLICATE OF:							
TCLP VOLATILES (MG/L)*							
1,1-DICHLOROETHENE (0.7/NA)		0.0050 U		0.0050 U			
1,2-DICHLOROETHANE (0.5/NA)		0.0050 U		0.0050 U			
2-BUTANONE (200.0/NA)		0.0250 U		0.0250 U			
BENZENE (0.5/NA)		0.0050 U		0.0050 U			
CARBON TETRACHLORIDE (0.5/NA)		0.0050 U		0.0050 U			
CHLOROBENZENE (100.0/NA)		0.0050 U		0.0050 U			
CHLOROFORM (6.0/NA)		0.0050 U		0.0050 U			
HEXACHLOROBENZENE (0.13/NA)		0.0560 U		0.130 U			
HEXACHLOROBUTADIENE (0.5/NA)		0.0560 U		0.500 U			
HEXACHLOROETHANE (3.0/NA)		0.0560 U		3.00 U			
TETRACHLOROETHENE (0.7/NA)		0.0050 U		0.0050 U			
TRICHLOROETHENE (0.5/NA)		0.0050 U		0.0050 U			
VINYL CHLORIDE (0.2/NA)		0.0100 U		0.0100 U			
TCLP SEMIVOLATILES (MG/L)*							
1,4-DICHLOROBENZENE (7.5/NA)		0.0560 U		7.50 U			
2,4,5-TRICHLOROPHENOL (400.0/NA)		0.0560 U		400 U			
2,4,6-TRICHLOROPHENOL (2.0/NA)		0.0560 U		2.00 U			
2,4-DINITROTOLUENE (0.13/NA)		0.0560 U		0.130 U			
2-METHYLPHENOL (200.0/NA)		0.0560 U		200 U			
4-METHYLPHENOL (200.0/NA)		0.0560 U		200 U			
NITROBENZENE (2.0/NA)		0.0560 U		2.00 U			
PENTACHLOROPHENOL (100.0/NA)		0.0560 U		100 U			
PYRIDINE (5.0/NA)		0.0560 U		5.00 U			
TCLP PESTICIDES (MG/L)*							
2,4-D (10.0/NA)		0.0050 U		0.0050 U			
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U			
ENDRIN (0.02/NA)	0.0002 U	0.0003 U	0.0002 U	0.0003 U			
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0003 U	0.0002 U	0.0003 U			
HEPTACHLOR (0.008/NA)	0.0002 U	0.0030 UJ	0.0002 U	0.0003 U			
HEPTACHLOR EPOXIDE (NA/NA)		0.0030 U		0.0003 U			
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U			

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A LANDFILL

SAMPLE NUMBER:	2LSS2	2LTB18 (0-2)	2LTB2(2-8)	2LTB26 (4-6)			
INVESTIGATION:	PH1	FFS	PH1	FFS			
SAMPLE DATE:	11/28/90	11/02/93	08/16/90	11/12/93			
LOCATION:	2LSS2	2LTB18	2LTB2	2LTB26			
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB			
FIELD DUPLICATE OF:							
TCLP PESTICIDES (MG/L)*							
SILVEX (2,4,5-TP) (1.0/NA)		0.0050 U		0.0050 U			
TOXAPHENE (0.5/NA)	0.0020 U	0.0100 U	0.0020 U	0.0100 U			
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.300 U	0.0345 UJ	0.260 J	0.0345 U			
BARIUM (100.0/1.0)	0.280 J	1.06 J	0.340 J	0.532			
CADMIUM (1.0/0.005)	0.0150	0.0580 J	0.0310 J	0.0097			
CHROMIUM (5.0/0.05)	0.0500 U	0.0321 J	0.0290 J	0.0059			
LEAD (5.0/0.015)	0.300 U	2.19 J	0.560 J	0.301			
MERCURY (0.2/0.002)	0.0020 U	0.0001 UJ	0.0002 U	0.0001 U			
SELENIUM (1.0/0.05)	0.0020 U	0.0218 UJ	0.140 J	0.0218 U			
SILVER (5.0/0.036)	0.0070 UR	0.0019 UJ	0.0110 J	0.0019 U			

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

APPENDIX D.3

SITE 2 - AREA A WETLAND

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,1,2-TRICHLOROETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,1-DICHLOROETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,1-DICHLOROETHENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,2-DICHLOROETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,2-DICHLOROETHENE (TOTAL)	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
1,2-DICHLOROPROPANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
2-BUTANONE	11 U	11 U	14 U	17 UJ	17 U	71 J	40
2-HEXANONE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
4-METHYL-2-PENTANONE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
ACETONE	11 U	11 U	70	17 UJ	17 U	300	230
BENZENE	5 U	5 U	7 U	8 UJ	8 U	11 U	3 J
BROMODICHLOROMETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
BROMOFORM	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
BROMOMETHANE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
CARBON DISULFIDE	5 U	5 U	37	8 UJ	8 U	32	4 J
CARBON TETRACHLORIDE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
CHLOROBENZENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
CHLOROETHANE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
CHLOROFORM	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
CHLOROMETHANE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
DIBROMOCHLOROMETHANE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
ETHYLBENZENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
METHYLENE CHLORIDE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
STYRENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
TETRACHLOROETHENE	5 U	5 U	7 U	3 UJ	8 U	11 U	7 U
TOLUENE	5 U	5 U	7 U	8 UJ	4 U	11 U	7 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
TRICHLOROETHENE	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
VINYL ACETATE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
VINYL CHLORIDE	11 U	11 U	14 U	17 UJ	17 U	22 U	14 U
XYLENES, TOTAL	5 U	5 U	7 U	8 UJ	8 U	11 U	7 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
1,2-DICHLOROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
1,3-DICHLOROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
1,4-DICHLOROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2,4,5-TRICHLOROPHENOL	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
2,4,6-TRICHLOROPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2,4-DICHLOROPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2,4-DIMETHYLPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2,4-DINITROPHENOL	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
2,4-DINITROTOLUENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2,6-DINITROTOLUENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2-CHLORONAPHTHALENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2-CHLOROPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2-METHYLNAPHTHALENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2-METHYLPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
2-NITROANILINE	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
2-NITROPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
3,3'-DICHLOROBENZIDINE	700 U	730 U	940 U	1100 U	1100 U	1400 U	960 U
3-NITROANILINE	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
4-BROMOPHENYL PHENYL ETHER	350 U	360 U	470 U	550 U	560 U	720 U	480 U
4-CHLORO-3-METHYLPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
4-CHLOROANILINE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
4-CHLOROPHENYL PHENYL ETHER	350 U	360 U	470 U	550 U	560 U	720 U	480 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
4-NITROANILINE	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
4-NITROPHENOL	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
ACENAPHTHENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
ACENAPHTHYLENE	350 U	360 U	470 U	550 U	59 J	720 U	480 U
ANTHRACENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BENZO(A)ANTHRACENE	83 J	360 U	470 U	160 J	140 J	720 U	480 U
BENZO(A)PYRENE	81 J	360 U	470 U	550 U	560 U	720 U	480 U
BENZO(B)FLUORANTHENE	74 J	360 U	470 U	180 J	260 J	720 U	480 U
BENZO(G,H,I)PERYLENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BENZO(K)FLUORANTHENE	71 J	360 U	470 U	120 J	180 J	720 U	480 U
BENZOIC ACID	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
BENZYL ALCOHOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BIS(2-CHLOROETHOXY)METHANE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BIS(2-CHLOROETHYL)ETHER	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BIS(2-CHLOROISOPROPYL) ETHER	350 U	360 U	470 U	550 U	560 U	720 U	480 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	360 U	470 U	790	590	290 J	1500
BUTYL BENZYL PHTHALATE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
CHRYSENE	110 J	360 U	470 U	230 J	330 J	720 U	480 U
DI-N-BUTYL PHTHALATE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
DI-N-OCTYL PHTHALATE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
DIBENZO(A,H)ANTHRACENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
DIBENZOFURAN	350 U	360 U	470 U	550 U	560 U	720 U	480 U
DIETHYL PHTHALATE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
DIMETHYL PHTHALATE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
FLUORANTHENE	160 J	360 U	3 J	180 J	240 J	120 J	480 U
FLUORENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
HEXACHLOROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
HEXACHLOROBUTADIENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
HEXACHLOROETHANE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
INDENO(1,2,3-CD)PYRENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
ISOPHORONE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
N-NITROSO-DI-N-PROPYLAMINE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
N-NITROSODIPHENYLAMINE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
NAPHTHALENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
NITROBENZENE	350 U	360 U	470 U	550 U	560 U	720 U	480 U
PENTACHLOROPHENOL	1700 U	1800 U	2300 U	2700 U	2700 U	3500 U	2300 U
PHENANTHRENE	120 J	360 U	470 U	130 J	160 J	720 U	480 U
PHENOL	350 U	360 U	470 U	550 U	560 U	720 U	480 U
PYRENE	150 J	360 U	8 J	320 J	330 J	120 J	480 U
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	17 U	18 U	23 U	27 U	27 U	35 U	23 U
4,4'-DDE	17 U	18 U	23 U	27 U	27 U	35 U	23 U
4,4'-DDT	17 U	18 U	23 U	27 U	27 U	35 U	23 U
ALDRIN	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
ALPHA-BHC	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
ALPHA-CHLORDANE	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1016	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1221	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1232	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1242	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1248	85 U	88 U	110 U	130 U	140 U	170 U	120 U
AROCLOR-1254	170 U	180 U	230 U	270 U	270 U	350 U	230 U
AROCLOR-1260	170 U	180 U	230 U	270 U	270 U	350 U	230 U
BETA-BHC	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
DELTA-BHC	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
DIELDRIN	17 U	18 U	23 U	27 U	27 U	35 U	23 U
ENDOSULFAN II	17 U	18 U	23 U	27 U	27 U	35 U	23 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	17 U	18 U	23 U	27 U	27 U	35 U	23 U
ENDOSULFAN-I	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
ENDRIN	17 U	18 U	23 U	27 U	27 U	35 U	23 U
ENDRIN KETONE	17 U	18 U	23 U	27 U	27 U	35 U	23 U
GAMMA-BHC (LINDANE)	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
GAMMA-CHLORDANE	85 U	88 U	110 U	130 U	140 U	170 U	120 U
HEPTACHLOR	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
HEPTACHLOR EPOXIDE	8.5 U	8.8 U	11 U	13 U	14 U	17 U	12 U
METHOXYCHLOR	85 U	88 U	110 U	130 U	140 U	170 U	120 U
TOXAPHENE	170 U	180 U	230 U	270 U	270 U	350 U	230 U
INORGANICS (MG/KG)							
ALUMINUM	13000	8300	16300	11200 J	11500 J	14300 J	10500 J
ANTIMONY	1.8 UJ	1.6 UJ	2.6 U	2.5 U	2.5 U	2.9 U	2.1 U
ARSENIC	2.5	2.5	7.8	7.0 J	7.6 J	7.6 J	2.3 J
BARIUM	53.3	58.4	49.3	45.7	41.3	48.4	31.4
BERYLLIUM	0.55	0.4	0.92	1.2 J	1.3 J	1.9 J	1.2 J
BORON	71.0 R	40.0 R	2600 R	530 R	290 R	2600 R	250 R
CADMIUM	6.9	4.1	8.5	4.7	4.9	6.6	2.7
CALCIUM	1170 J	1630 J	3500 J	1230 J	1310 J	3680 J	1190 J
CHROMIUM	20.5 J	15.9 J	37.9 J	57.1	65.2	56.5	22.7
COBALT	8.5	7.0	9.7	7.3	12.3	12.2	10.3
COPPER	26.1 J	20.4 J	17.8 J	38.5	35.2	36.0	11.6
CYANIDE	1.4 U	1.4 U	2.0 U	1.9 U	2.1 U	2.3 U	1.7 U
IRON	14200	11400	26800	21500	23100	26100	10800
LEAD	16.3 J	4.8 J	10.3 J	38.5	26.8	34.4 J	7.0
MAGNESIUM	4170	3560	7430	5520	5590	7670	2910 J
MANGANESE	195 J	190 J	311	160 J	357 J	365	202
MERCURY	0.11 U	0.1 U	0.16 U	0.22	0.25	0.19	0.14 U
NICKEL	25.3 J	15.8 J	31.3 J	14.7	15.9	26.9	8.8
POTASSIUM	2130 J	2670 J	4280 J	3180	2420	3670	1400

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
DEPTH (feet):	0 - 2	10 - 12	16 - 18	0 - 2	0 - 2	10 - 12	13 - 13.2
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
INORGANICS (MG/KG)							
SELENIUM	0.44 U	0.44 U	0.64 U	0.7	0.77	0.76 U	0.54 U
SILVER	1.8 U	1.6 U	2.6 U	2.5 U	2.5 U	2.9 U	2.1 U
SODIUM	118 J	252 J	5260	957 J	930 J	3090 J	1340 J
THALLIUM	0.88 U	0.88 U	1.3 U	1.2 U	1.3 U	1.5 U	1.1 U
VANADIUM	33.2	21.0	43.3	48.9 J	51.8 J	59.7 J	30.5 J
ZINC	125 J	37.7 J	99.8 J	54.6 J	61.3 J	93.9 J	38.5 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,1,2-TRICHLOROETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,1-DICHLOROETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,1-DICHLOROETHENE	9 U	8 U	10 U	9 U	2 J	10 U	10 U
1,2-DICHLOROETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
1,2-DICHLOROPROPANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
2-BUTANONE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
2-HEXANONE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
4-METHYL-2-PENTANONE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
ACETONE	130	74	93	27	66 J	78	20 U
BENZENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
BROMODICHLOROMETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
BROMOFORM	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
BROMOMETHANE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
CARBON DISULFIDE	23	15	17 J	37 J	25 J	13 J	10 U
CARBON TETRACHLORIDE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
CHLOROBENZENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
CHLOROETHANE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
CHLOROFORM	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
CHLOROMETHANE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
CIS-1,3-DICHLOROPROPENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
DIBROMOCHLOROMETHANE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
ETHYLBENZENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
METHYLENE CHLORIDE	2 J	8 U	10 U	41 U	3 J	10 U	10 U
STYRENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
TETRACHLOROETHENE	9 U	3 J	10 U	9 U	9 UJ	10 U	10 U
TOLUENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
TRICHLOROETHENE	9 U	8 U	10 U	9 U	12 J	10 U	10 U
VINYL ACETATE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
VINYL CHLORIDE	17 U	16 U	21 U	18 U	17 UJ	20 U	20 U
XYLENES, TOTAL	9 U	8 U	10 U	9 U	9 UJ	10 U	10 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
1,2-DICHLOROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
1,3-DICHLOROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
1,4-DICHLOROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2,4,5-TRICHLOROPHENOL	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
2,4,6-TRICHLOROPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2,4-DICHLOROPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2,4-DIMETHYLPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2,4-DINITROPHENOL	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
2,4-DINITROTOLUENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2,6-DINITROTOLUENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2-CHLORONAPHTHALENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2-CHLOROPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2-METHYLNAPHTHALENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2-METHYLPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
2-NITROANILINE	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
2-NITROPHENOL	570 U	2600 U	690 U	509 U	570 U	660 U	2600 U
3,3'-DICHLOROBENZIDINE	1100 U	5200 U	1400 U	1200 U	1100 U	1300 U	5200 U
3-NITROANILINE	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
4,6-DINITRO-2-METHYLPHENOL	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
4-BROMOPHENYL PHENYL ETHER	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
4-CHLORO-3-METHYLPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
4-CHLOROANILINE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
4-CHLOROPHENYL PHENYL ETHER	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
4-NITROANILINE	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
4-NITROPHENOL	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
ACENAPHTHENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
ACENAPHTHYLENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
ANTHRACENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BENZO(A)ANTHRACENE	120 J	370 J	690 U	590 U	130 J	660 U	400 J
BENZO(A)PYRENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BENZO(B)FLUORANTHENE	110 J	2600 U	690 U	590 U	110 J	660 U	2600 U
BENZO(G,H,I)PERYLENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BENZO(K)FLUORANTHENE	570 U	2600 U	690 U	590 U	130 J	660 U	2600 U
BENZOIC ACID	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
BENZYL ALCOHOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BIS(2-CHLOROETHOXY)METHANE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BIS(2-CHLOROETHYL)ETHER	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BIS(2-CHLOROISOPROPYL) ETHER	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
BIS(2-ETHYLHEXYL)PHTHALATE	570 U	2600 U	130 J	180 J	570 U	120 J	2600 U
BUTYL BENZYL PHTHALATE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
CHRYSENE	60 J	330 J	690 U	590 U	140 J	660 U	2600 U
DI-N-BUTYL PHTHALATE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
DI-N-OCTYL PHTHALATE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
DIBENZO(A,H)ANTHRACENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
DIBENZOFURAN	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
DIETHYL PHTHALATE	510 U	2600 U	690 U	590 U	570 U	660 U	2600 U
DIMETHYL PHTHALATE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
FLUORANTHENE	90 J	460 J	690 U	81 J	170 J	660 U	460 J
FLUORENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
HEXACHLOROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
HEXACHLOROBUTADIENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
HEXACHLOROETHANE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
INDENO(1,2,3-CD)PYRENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
ISOPHORONE	570 U	2600 U	690 U	509 U	570 U	660 U	2600 U
N-NITROSO-DI-N-PROPYLAMINE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
N-NITROSODIPHENYLAMINE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
NAPHTHALENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
NITROBENZENE	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
PENTACHLOROPHENOL	2800 U	12000 U	3300 U	2900 U	2800 U	3200 U	13000 U
PHENANTHRENE	570 U	2600 U	690 U	590 U	85 J	660 U	2600 U
PHENOL	570 U	2600 U	690 U	590 U	570 U	660 U	2600 U
PYRENE	83 J	360 J	69 J	120 J	270 J	660 U	380 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
4,4'-DDE	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
4,4'-DDT	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
ALDRIN	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
ALPHA-BHC	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
ALPHA-CHLORDANE	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1016	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1221	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1232	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1242	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1248	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
AROCLOR-1254	280 U	440 UJ	330 UJ	290 UJ	280 UJ	320 UJ	310 U
AROCLOR-1260	280 U	440 UJ	330 UJ	290 UJ	280 UJ	320 UJ	370 J
BETA-BHC	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
DELTA-BHC	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
DIELDRIN	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
ENDOSULFAN II	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
ENDOSULFAN-I	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
ENDRIN	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
ENDRIN KETONE	28 U	44 UJ	33 UJ	29 UJ	28 UJ	32 UJ	31 U
GAMMA-BHC (LINDANE)	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
GAMMA-CHLORDANE	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
HEPTACHLOR	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
HEPTACHLOR EPOXIDE	14 U	22 UJ	17 UJ	14 UJ	14 UJ	16 UJ	16 U
METHOXYCHLOR	140 U	220 UJ	170 UJ	140 UJ	140 UJ	160 UJ	160 U
TOXAPHENE	280 U	440 UJ	330 UJ	290 UJ	280 UJ	320 UJ	310 U
INORGANICS (MG/KG)							
ALUMINUM	11700 J	14100	12600 J	13100 J	10600 J	14500 J	14100 J
ANTIMONY	2.6 U	18.0 UR	3.1 U	2.8 U	2.8 U	2.8 U	2.8 U
ARSENIC	6.4 J	7.7 J	9.1	7.9	6.1	6.8	6.7 J
BARIUM	37.9	45.6 J	40.8	40.0	35.9	43.7	52.1
BERYLLIUM	1.6 J	0.57 J	0.5 J	0.44 J	0.36 J	0.52 J	1.8 J
BORON	2200 R	703 R	2820 R	2460 R	2240 R	2720 R	1600 R
CADMIUM	5.4	4.5 J	0.38 U	0.35 U	0.34 U	0.37 U	6.9
CALCIUM	4180 J	1450 J	12900	6540	5000	5740	3300 J
CHROMIUM	34.6	51.0 J	39.0	38.6	38.9	41.8	41.2
COBALT	9.4	7.0 J	10.6	10.0	8.6	10.9	11.1
COPPER	15.7	31.1 J	19.5 J	17.0 J	22.0 J	18.3 J	20.2
CYANIDE	2.1 U	1.8 U	2.7 U	2.2 U	2.1 U	2.5 U	2.2 U
IRON	21600	28000 J	26100	24500	21400	26800	27200
LEAD	12.0	298	13.6 J	14.7 J	18.3 J	13.2 J	11.2 J
MAGNESIUM	7370	5070	7380	7470	6600	7740	7230
MANGANESE	287	176 J	305 J	286 J	241 J	312 J	306
MERCURY	0.15 U	0.41 J	0.22 U	0.18 U	0.16 U		0.18 U
NICKEL	21.0	16.1 J	19.8	19.9	10.3	22.1	25.9
POTASSIUM	3360	3010	3830	3860	3340	4050	3530

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
DEPTH (feet):	4 - 6	2 - 4	10 - 12	15 - 17	20 - 22	8 - 10	0 - 2
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM	0.65 U	0.7 J	0.75 U	0.78	0.83	0.86	0.71 U
SILVER	2.6 U	2.4 UR	3.1 U	2.8 U	2.8 U	2.8 U	2.8 U
SODIUM	4470 J	169 J	4410	7380	7530	4750	2040 J
THALLIUM	1.3 U	0.9 U	1.1 U	1.1 U	1.0 U	1.1 U	1.4 U
VANADIUM	50.1 J	42.4	37.6 J	36.7 J	33.3 J	39.9 J	57.9 J
ZINC	60.6 J	59.7 J	70.3 J	61.6 J	62.1 J	71.0 J	75.5 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,1,2,2-TETRACHLOROETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,1,2-TRICHLOROETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,1-DICHLOROETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,1-DICHLOROETHENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,2-DICHLOROETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,2-DICHLOROETHENE (TOTAL)	9 U	9 U	9 U	10 U	9 U	9 U	9 U
1,2-DICHLOROPROPANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
2-BUTANONE	18 U	16 J	10 J	20 J	19 U	17 J	12 J
2-HEXANONE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
4-METHYL-2-PENTANONE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
ACETONE	18 U	71	17 U	98	89	350	47 U
BENZENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
BROMODICHLOROMETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
BROMOFORM	9 U	9 U	9 U	10 U	9 U	9 U	9 U
BROMOMETHANE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
CARBON DISULFIDE	9 U	32	4 J	33	42	15	16
CARBON TETRACHLORIDE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
CHLOROBENZENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
CHLOROETHANE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
CHLOROFORM	9 U	9 U	9 U	10 U	9 U	9 U	9 U
CHLOROMETHANE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
CIS-1,3-DICHLOROPROPENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
DIBROMOCHLOROMETHANE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
ETHYLBENZENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
METHYLENE CHLORIDE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
STYRENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
TETRACHLOROETHENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
TOLUENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
TRICHLOROETHENE	9 U	9 U	9 U	10 U	9 U	9 U	9 U
VINYL ACETATE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
VINYL CHLORIDE	18 U	18 U	17 U	20 U	19 U	17 U	18 U
XYLENES, TOTAL	9 U	9 U	9 U	10 U	9 U	9 U	9 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
1,2-DICHLOROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
1,3-DICHLOROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
1,4-DICHLOROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2,4,5-TRICHLOROPHENOL	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
2,4,6-TRICHLOROPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2,4-DICHLOROPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2,4-DIMETHYLPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2,4-DINITROPHENOL	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
2,4-DINITROTOLUENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2,6-DINITROTOLUENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2-CHLORONAPHTHALENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2-CHLOROPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2-METHYLNAPHTHALENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2-METHYLPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
2-NITROANILINE	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
2-NITROPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
3,3'-DICHLOROBENZIDINE	1200 U	1300 U	1100 U	1100 U	1200 U	1100 U	1200 U
3-NITROANILINE	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
4,6-DINITRO-2-METHYLPHENOL	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
4-BROMOPHENYL PHENYL ETHER	590 U	660 U	570 U	560 U	590 U	570 U	580 U
4-CHLORO-3-METHYLPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
4-CHLOROANILINE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
4-CHLOROPHENYL PHENYL ETHER	590 U	660 U	570 U	560 U	590 U	570 U	580 U

000014

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
4-NITROANILINE	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
4-NITROPHENOL	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
ACENAPHTHENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
ACENAPHTHYLENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
ANTHRACENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BENZO(A)ANTHRACENE	590 U	660 U	83 J	64 J	590 U	170 J	580 U
BENZO(A)PYRENE	590 U	660 U	570 U	560 U	590 U	180 J	580 U
BENZO(B)FLUORANTHENE	590 U	660 U	90 J	560 U	590 U	190 J	580 U
BENZO(G,H,I)PERYLENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BENZO(K)FLUORANTHENE	590 U	660 U	89 J	80 J	590 U	130 J	580 U
BENZOIC ACID	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
BENZYL ALCOHOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BIS(2-CHLOROETHOXY)METHANE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BIS(2-CHLOROETHYL)ETHER	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BIS(2-CHLOROISOPROPYL) ETHER	590 U	660 U	570 U	560 U	590 U	570 U	580 U
BIS(2-ETHYLHEXYL)PHTHALATE	590 U	130 J	130 J	1700	590 U	280 J	210 J
BUTYL BENZYL PHTHALATE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
CHRYSENE	590 U	660 U	81 J	62 J	590 U	220 J	580 U
DI-N-BUTYL PHTHALATE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
DI-N-OCTYL PHTHALATE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
DIBENZO(A,H)ANTHRACENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
DIBENZOFURAN	590 U	660 U	570 U	560 U	590 U	570 U	580 U
DIETHYL PHTHALATE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
DIMETHYL PHTHALATE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
FLUORANTHENE	590 U	660 U	110 J	72 J	590 U	170 J	68 J
FLUORENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
HEXACHLOROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
HEXACHLOROBUTADIENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
HEXACHLOROETHANE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
INDENO(1,2,3-CD)PYRENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
ISOPHORONE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
N-NITROSO-DI-N-PROPYLAMINE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
N-NITROSODIPHENYLAMINE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
NAPHTHALENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
NITROBENZENE	590 U	660 U	570 U	560 U	590 U	570 U	580 U
PENTACHLOROPHENOL	2900 U	3200 U	2800 U	2700 U	2900 U	2800 U	2800 U
PHENANTHRENE	590 U	660 U	69 J	560 U	590 U	120 J	580 U
PHENOL	590 U	660 U	570 U	560 U	590 U	570 U	580 U
PYRENE	590 U	660 U	130 J	84 J	70 J	370 J	99 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	29 U	29 U	28 U	27 U	30 U	28 U	28 U
4,4'-DDE	29 U	29 U	28 U	27 U	30 U	28 U	28 U
4,4'-DDT	29 U	29 U	28 U	27 U	30 U	28 U	28 U
ALDRIN	14 U	15 U	14 U	14 U	15 U	14 U	14 U
ALPHA-BHC	14 U	15 U	14 U	14 U	15 U	14 U	14 U
ALPHA-CHLORDANE	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1016	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1221	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1232	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1242	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1248	140 U	150 U	140 U	140 U	150 U	140 U	140 U
AROCLOR-1254	290 U	290 U	280 U	270 U	300 U	280 U	280 U
AROCLOR-1260	290 UJ	290 U	280 U	270 U	300 U	280 U	280 U
BETA-BHC	14 U	15 U	14 U	14 U	15 U	14 U	14 U
DELTA-BHC	14 U	15 U	14 U	14 U	15 U	14 U	14 U
DIELDRIN	29 U	29 U	28 U	27 U	30 U	28 U	28 U
ENDOSULFAN II	29 U	29 U	28 U	27 U	30 U	28 U	28 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	29 U	29 U	28 U	27 U	30 U	28 U	28 U
ENDOSULFAN-I	14 U	15 U	14 U	14 U	15 U	14 U	14 U
ENDRIN	29 U	29 U	28 U	27 U	30 U	28 U	28 U
ENDRIN KETONE	29 U	29 U	28 U	27 U	30 U	28 U	28 U
GAMMA-BHC (LINDANE)	14 U	15 U	14 U	14 U	15 U	14 U	14 U
GAMMA-CHLORDANE	140 U	150 U	140 U	140 U	150 U	140 U	140 U
HEPTACHLOR	14 U	15 U	14 U	14 U	15 U	14 U	14 U
HEPTACHLOR EPOXIDE	14 U	15 U	14 U	14 U	15 U	14 U	14 U
METHOXYCHLOR	140 U	150 U	140 U	140 U	150 U	140 U	140 U
TOXAPHENE	290 U	290 U	280 U	270 U	300 U	280 U	280 U
INORGANICS (MG/KG)							
ALUMINUM	14500 J	14100 J	11800 J	11800 J	13800 J	20600 J	16800 J
ANTIMONY	2.7 U	2.1 U	2.7 U	2.5 U	3.0 U	2.8 U	2.7 U
ARSENIC	8.1 J	1.1 U	6.8 J	6.3 J	7.1 J	3.9 J	6.3 J
BARIUM	47.7	44.1	40.4	37.7	43.3	44.7	50.9
BERYLLIUM	1.7 J	1.9 J	1.6 J	1.6 J	1.9 J	1.5 J	1.7 J
BORON	2200 R	2700 R	2100 R	2000 R	2400 R	2300 R	2300 R
CADMIUM	7.2	6.4	5.5	5.5	6.5	6.1 J	6.6 J
CALCIUM	3690 J	5090	5660	4900	4620	3620	5050
CHROMIUM	39.9	39.3	39.5	36.7	40.9	59.5	43.0
COBALT	10.8	10.8	9.8	8.7	10.4	9.4	10.5
COPPER	17.1	15.8	20.9	17.7	19.1	36.8	21.1
CYANIDE	2.2 U	2.2 U	2.1 U	2.0 U	2.3 U	2.2 U	2.1 U
IRON	27600	25800	22300	21700	24500	21000	24400
LEAD	11.2	10.2	14.3 J	12.9	11.8 J	33.7	15.8 J
MAGNESIUM	7630	8970	7790	7850	8660	7620	8580
MANGANESE	376	343	282	283	327	262	333
MERCURY	0.17 U	0.18 U	0.16 U	0.15 U	0.15 U	0.23 J	0.17 U
NICKEL	26.8	25.2	21.6	21.5	26.0	24.3	26.3
POTASSIUM	3800	4150	3520	3490	4010	3690 J	4490

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
DEPTH (feet):	0 - 2	10 - 12	15 - 17	20 - 22	4 - 6	10 - 12	15 - 17
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
INORGANICS (MG/KG)							
SELENIUM	0.7 U	0.75	0.66 U	0.66 U	0.81	0.7 U	0.63 U
SILVER	3.5	2.9 U	2.7 U	2.6 U	4.0	31.8	3.1
SODIUM	1980 J	9970 J	8540 J	8520 J	6700 J	9690	9390
THALLIUM	1.4 U	1.4 U	1.3 U	1.3 U	1.5 U	1.4 U	1.3 U
VANADIUM	56.7 J	58.7 J	50.3 J	51.1 J	54.7 J	49.8 J	57.5 J
ZINC	66.4 J	69.8 J	66.7 J	65.3 J	70.7 J	91.8 J	67.8 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,1,2,2-TETRACHLOROETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,1,2-TRICHLOROETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,1-DICHLOROETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,1-DICHLOROETHENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,2-DICHLOROETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,2-DICHLOROETHENE (TOTAL)	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
1,2-DICHLOROPROPANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
2-BUTANONE	17 U	20	18 U	16 U	87	13 J	18 UJ
2-HEXANONE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
4-METHYL-2-PENTANONE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
ACETONE	18 U	100 U	34 U	16 U	540	50	63 J
BENZENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
BROMODICHLOROMETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
BROMOFORM	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
BROMOMETHANE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
CARBON DISULFIDE	9	23	15	8 U	6 J	10 J	27 J
CARBON TETRACHLORIDE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
CHLOROBENZENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
CHLOROETHANE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
CHLOROFORM	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
CHLOROMETHANE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
CIS-1,3-DICHLOROPROPENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
DIBROMOCHLOROMETHANE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
ETHYLBENZENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
METHYLENE CHLORIDE	2 J	9 U	9 U	8 U	11 U	10 U	9 UJ
STYRENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
TETRACHLOROETHENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
TOLUENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
TRICHLOROETHENE	8 U	9 U	9 U	4 J	11 U	10 U	9 UJ
VINYL ACETATE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
VINYL CHLORIDE	17 U	19 U	18 U	16 U	22 U	20 U	18 UJ
XYLENES, TOTAL	8 U	9 U	9 U	8 U	11 U	10 U	9 UJ
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
1,2-DICHLOROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
1,3-DICHLOROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
1,4-DICHLOROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2,4,5-TRICHLOROPHENOL	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
2,4,6-TRICHLOROPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2,4-DICHLOROPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2,4-DIMETHYLPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2,4-DINITROPHENOL	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
2,4-DINITROTOLUENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2,6-DINITROTOLUENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2-CHLORONAPHTHALENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2-CHLOROPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2-METHYLNAPHTHALENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2-METHYLPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
2-NITROANILINE	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
2-NITROPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
3,3'-DICHLOROBENZIDINE	1100 U	1200 U	1200 U	1100 U	1400 U	1100 U	1100 U
3-NITROANILINE	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
4,6-DINITRO-2-METHYLPHENOL	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
4-BROMOPHENYL PHENYL ETHER	550 U	620 U	600 U	530 U	720 U	560 U	570 U
4-CHLORO-3-METHYLPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
4-CHLOROANILINE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
4-CHLOROPHENYL PHENYL ETHER	550 U	620 U	600 U	530 U	720 U	560 U	570 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
4-NITROANILINE	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
4-NITROPHENOL	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
ACENAPHTHENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
ACENAPHTHYLENE	550 U	620 U	600 U	77 J	720 U	560 U	570 U
ANTHRACENE	550 U	620 U	79 J	52 J	720 U	560 U	570 U
BENZO(A)ANTHRACENE	550 U	120 J	190 J	220 J	200 J	120 J	67 J
BENZO(A)PYRENE	550 U	620 U	600 U	230 J	190 J	150 J	570 U
BENZO(B)FLUORANTHENE	550 U	620 U	190 J	220 J	210 J	93 J	570 U
BENZO(G,H,I)PERYLENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
BENZO(K)FLUORANTHENE	550 U	620 U	160 J	310 J	250 J	170 J	96 J
BENZOIC ACID	2700 U	3000 U	2900 U	160 J	130 J	2700 U	2800 U
BENZYL ALCOHOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
BIS(2-CHLOROETHOXY)METHANE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
BIS(2-CHLOROETHYL)ETHER	550 U	620 U	600 U	530 U	720 U	560 U	570 U
BIS(2-CHLOROISOPROPYL) ETHER	550 U	620 U	600 U	530 U	720 U	560 U	570 U
BIS(2-ETHYLHEXYL)PHTHALATE	550 U	510 J	880	280 J	350 J	560 U	73 J
BUTYL BENZYL PHTHALATE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
CHRYSENE	550 U	150 J	240 J	320 J	250 J	110 J	81 J
DI-N-BUTYL PHTHALATE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
DI-N-OCTYL PHTHALATE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
DIBENZO(A,H)ANTHRACENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
DIBENZOFURAN	550 U	620 U	600 U	530 U	720 U	560 U	570 U
DIETHYL PHTHALATE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
DIMETHYL PHTHALATE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
FLUORANTHENE	120 J	130 J	210 J	310 J	300 J	150 J	87 J
FLUORENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
HEXACHLOROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
HEXACHLOROBUTADIENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
HEXACHLOROETHANE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
INDENO(1,2,3-CD)PYRENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
ISOPHORONE	550 U	620 U	600 U	530 U	720 U	56 U	570 U
N-NITROSO-DI-N-PROPYLAMINE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
N-NITROSODIPHENYLAMINE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
NAPHTHALENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
NITROBENZENE	550 U	620 U	600 U	530 U	720 U	560 U	570 U
PENTACHLOROPHENOL	2700 U	3000 U	2900 U	2600 U	3500 U	2700 U	2800 U
PHENANTHRENE	67 J	85 J	110 J	270 J	160 J	76 J	570 U
PHENOL	550 U	620 U	600 U	530 U	720 U	560 U	570 U
PYRENE	190 J	250 J	440 J	460 J	270 J	180 J	84 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	28 U	30 U	28 U	26 UJ	69 J	27 U	29 U
4,4'-DDE	28 U	30 U	28 U	32 UJ	35 UJ	27 U	29 U
4,4'-DDT	28 U	30 U	28 U	26 UJ	35 UR	27 U	29 U
ALDRIN	14 U	15 U	14 U	13 UJ	17 UR	14 U	15 U
ALPHA-BHC	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
ALPHA-CHLORDANE	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1016	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1221	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1232	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1242	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1248	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
AROCLOR-1254	280 U	300 U	280 U	260 UJ	350 UJ	270 U	290 U
AROCLOR-1260	280 U	300 U	280 U	260 UJ	350 UJ	270 U	290 U
BETA-BHC	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
DELTA-BHC	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
DIELDRIN	28 U	30 U	28 U	26 UJ	35 UJ	27 U	29 U
ENDOSULFAN II	28 U	30 U	28 U	26 UJ	35 UJ	27 U	29 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	28 U	30 U	28 U	26 UJ	35 UJ	27 U	29 U
ENDOSULFAN-I	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
ENDRIN	28 U	30 U	28 U	26 UJ	35 UJ	27 U	29 U
ENDRIN KETONE	28 U	30 U	28 U	26 UJ	35 UJ	27 U	29 U
GAMMA-BHC (LINDANE)	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
GAMMA-CHLORDANE	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
HEPTACHLOR	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
HEPTACHLOR EPOXIDE	14 U	15 U	14 U	13 UJ	17 UJ	14 U	15 U
METHOXYCHLOR	140 U	150 U	140 U	130 UJ	170 UJ	140 U	150 U
TOXAPHENE	280 U	300 U	280 U	260 UJ	350 UJ	270 U	290 U
INORGANICS (MG/KG)							
ALUMINUM	12500 J	16600 J	14800 J	15300 J	16800 J	12000 J	10500 J
ANTIMONY	2.7 U	3.0 U	2.9 U	2.4 U	3.2 U	2.6 U	2.5 U
ARSENIC	11.5 J	10.3 J	11.7 J	8.7	8.4	7.1 J	6.7 J
BARIUM	39.3	47.9	46.5	61.3	60.7	41.5	37.3
BERYLLIUM	1.5 J	1.8 J	1.7 J	0.3 U	0.73 J	1.7 J	1.6 J
BORON	2200 R	2600 R	2500 R	672 R	563 R	2000 R	2100 R
CADMIUM	5.4 J	6.5 J	11.5 J	0.29 U	1.9 J	5.9	5.0
CALCIUM	6790	4550	4020	1250	1660	4820	6380
CHROMIUM	40.1	60.6	70.0	89.0	101	44.9	37.8
COBALT	8.8	10.0	9.5	8.5	9.4	8.8	9.0
COPPER	29.9	39.9	47.2	47.6 J	64.1 J	25.9	21.2
CYANIDE	2.2 U	2.3 U	2.3 U	1.9 U	2.8 U	2.1 U	2.1 U
IRON	20500	24600	22600	30800	27100	21600	20800
LEAD	17.2 J	15.3 J	46.0 J	128 J	44.0 J	22.5	16.6
MAGNESIUM	7470	8520	7820	6130	6540	7860	7550
MANGANESE	264	316	281	188 J	202 J	276	271
MERCURY	0.15 U	1.1	0.24 J	0.69 J	0.23 U	0.17 U	0.16 U
NICKEL	32.1	28.6	24.2	16.7	20.2	22.6	20.7
POTASSIUM	3320 J	3850 J	3540 J	4320	3680	3590	3320

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
DEPTH (feet):	20 - 22	4 - 6	4 - 6	0 - 2	0 - 2	15 - 17	20 - 22
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB3(4-6)				
INORGANICS (MG/KG)							
SELENIUM	0.67 U	0.74 U	0.72 U	1.2	1.5	0.79	0.74
SILVER	2.7 U	3.0 U	2.9 U	2.4 U	3.2 U	3.7	2.6 U
SODIUM	9210	8920	9590	232 J	1570 J	9010 J	8810 J
THALLIUM	1.3 U	1.5 U	1.4 U	0.86 U	1.2 U	1.3 U	1.3 U
VANADIUM	46.3 J	56.8 J	53.4 J	50.5 J	52.0 J	51.7 J	49.4 J
ZINC	66.8 J	95.9 J	109 J	60.8 J	74.9 J	69.6 J	61.5 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,1,2-TRICHLOROETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,1-DICHLOROETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,1-DICHLOROETHENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,2-DICHLOROETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	9 U	9 U	8 U	9 U	5 U	10 U	10 U
1,2-DICHLOROPROPANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
2-BUTANONE	19 U	19 U	5 J	18 U	70	310	14 J
2-HEXANONE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
4-METHYL-2-PENTANONE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
ACETONE	310	19 U	37	18 U	320	850	56
BENZENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
BROMODICHLOROMETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
BROMOFORM	9 U	9 U	8 U	9 U	5 U	10 U	10 U
BROMOMETHANE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
CARBON DISULFIDE	6 J	9 U	8 U	9 U	2 J	8 J	14
CARBON TETRACHLORIDE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
CHLOROBENZENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
CHLOROETHANE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
CHLOROFORM	9 U	9 U	8 U	9 U	5 U	10 U	10 U
CHLOROMETHANE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
CIS-1,3-DICHLOROPROPENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
DIBROMOCHLOROMETHANE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
ETHYLBENZENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
METHYLENE CHLORIDE	9 U	9 U	8 U	9 U	5 U	4 J	10 U
STYRENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
TETRACHLOROETHENE	9 U	9 U	8 U	9 U	5 U	7 J	10 U
TOLUENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
TRICHLOROETHENE	9 U	9 U	8 U	9 U	5 U	10 U	10 U
VINYL ACETATE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
VINYL CHLORIDE	19 U	19 U	16 U	18 U	10 U	20 U	20 U
XYLENES, TOTAL	9 U	9 U	8 U	9 U	5 U	10 U	10 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
1,2-DICHLOROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
1,3-DICHLOROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
1,4-DICHLOROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2,4,5-TRICHLOROPHENOL	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
2,4,6-TRICHLOROPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2,4-DICHLOROPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2,4-DIMETHYLPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2,4-DINITROPHENOL	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
2,4-DINITROTOLUENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2,6-DINITROTOLUENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2-CHLORONAPHTHALENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2-CHLOROPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2-METHYLNAPHTHALENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2-METHYLPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
2-NITROANILINE	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
2-NITROPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
3,3'-DICHLOROBENZIDINE	1200 U	1200 U	1100 U	1200 U	1200 U	1300 U	1300 U
3-NITROANILINE	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
4,6-DINITRO-2-METHYLPHENOL	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
4-BROMOPHENYL PHENYL ETHER	610 U	620 U	530 U	600 U	580 U	670 U	650 U
4-CHLORO-3-METHYLPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
4-CHLOROANILINE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
4-CHLOROPHENYL PHENYL ETHER	610 U	620 U	530 U	600 U	580 U	670 U	650 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
4-NITROANILINE	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
4-NITROPHENOL	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
ACENAPHTHENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
ACENAPHTHYLENE	610 U	620 U	530 U	600 U	580 U	120 J	650 U
ANTHRACENE	610 U	620 U	530 U	600 U	580 U	79 J	650 U
BENZO(A)ANTHRACENE	610 U	620 U	530 U	600 U	580 U	370 J	650 U
BENZO(A)PYRENE	610 U	620 U	530 U	600 U	580 U	390 J	650 U
BENZO(B)FLUORANTHENE	610 U	620 U	530 U	600 U	140 J	550 J	650 U
BENZO(G,H,I)PERYLENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
BENZO(K)FLUORANTHENE	610 U	620 U	530 U	600 U	67 J	390 J	650 U
BENZOIC ACID	3000 U	3000 U	220 J	2900 U	2800 U	3300 U	3100 U
BENZYL ALCOHOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
BIS(2-CHLOROETHOXY)METHANE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
BIS(2-CHLOROETHYL)ETHER	610 U	620 U	530 U	600 U	580 U	670 U	650 U
BIS(2-CHLOROISOPROPYL) ETHER	610 U	620 U	530 U	600 U	580 U	670 U	650 U
BIS(2-ETHYLHEXYL)PHTHALATE	100 J	620 U	220 J	600 U	580 U	1300	500 J
BUTYL BENZYL PHTHALATE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
CHRYSENE	610 U	620 U	530 U	600 U	110 J	600 J	650 U
DI-N-BUTYL PHTHALATE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
DI-N-OCTYL PHTHALATE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
DIBENZO(A,H)ANTHRACENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
DIBENZOFURAN	610 U	620 U	530 U	600 U	580 U	670 U	650 U
DIETHYL PHTHALATE	610 U	620 U	530 U	600 U	580 UJ	670 U	650 U
DIMETHYL PHTHALATE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
FLUORANTHENE	610 U	72 J	53 J	600 U	100 J	600 J	120 J
FLUORENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
HEXACHLOROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
HEXACHLOROBUTADIENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
HEXACHLOROETHANE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
INDENO(1,2,3-CD)PYRENE	610 U	620 U	530 U	600 U	580 U	270 J	650 U
ISOPHORONE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
N-NITROSO-DI-N-PROPYLAMINE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
N-NITROSODIPHENYLAMINE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
NAPHTHALENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
NITROBENZENE	610 U	620 U	530 U	600 U	580 U	670 U	650 U
PENTACHLOROPHENOL	3000 U	3000 U	2600 U	2900 U	2800 U	3300 U	3100 U
PHENANTHRENE	610 U	620 U	530 U	600 U	62 J	340 J	650 U
PHENOL	610 U	620 U	530 U	600 U	580 U	670 U	650 U
PYRENE	60 J	98 J	530 U	600 U	140 J	570 J	160 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
4,4'-DDE	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
4,4'-DDT	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
ALDRIN	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
ALPHA-BHC	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
ALPHA-CHLORDANE	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1016	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1221	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1232	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1242	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1248	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
AROCLOR-1254	300 UJ	300 U	260 U	290 U	280 U	330 U	310 U
AROCLOR-1260	300 UJ	300 U	260 U	290 U	280 U	330 U	310 U
BETA-BHC	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
DELTA-BHC	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
DIELDRIN	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
ENDOSULFAN II	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
ENDOSULFAN-I	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
ENDRIN	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
ENDRIN KETONE	30 UJ	30 U	26 U	29 U	28 U	33 U	31 U
GAMMA-BHC (LINDANE)	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
GAMMA-CHLORDANE	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
HEPTACHLOR	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
HEPTACHLOR EPOXIDE	15 UJ	15 U	13 U	15 U	14 U	16 U	16 U
METHOXYCHLOR	150 UJ	150 U	130 U	150 U	140 U	160 U	160 U
TOXAPHENE	300 UJ	300 U	260 U	290 U	280 U	330 U	310 U
INORGANICS (MG/KG)							
ALUMINUM	12500 J	13900 J	15900 J	11900 J	14700 J	17900 J	26000 J
ANTIMONY	3.0 U	3.0 U	3.0 U	2.9 U	2.7 U	3.4 U	2.7 U
ARSENIC	8.5	7.2 J	6.9 J	7.8 J	5.9 J	6.8 J	2.2 J
BARIUM	39.2	49.3	45.1	38.7	43.0	93.8	78.8
BERYLLIUM	0.44 J	1.5 J	1.8 J	1.7 J	1.6 J	1.8 J	1.9 J
BORON	2440 R	170 R	1300 R	2400 R	1700 R	330 R	160 R
CADMIUM	0.36 U	4.5	6.7	5.3	5.3	6.7 J	3.3 J
CALCIUM	4980	1590 J	1530 J	6930	4380	2360	2130
CHROMIUM	37.7	72.7	41.0	35.3	43.7	102	39.7
COBALT	10.5	7.6	12.7	9.0	9.0	9.2	6.7 U
COPPER	16.7 J	35.4	39.1	15.4	24.0	55.0	10.2
CYANIDE	2.3 U	2.4 U	2.4 U	2.3 U	2.2 U	2.7 U	2.2 U
IRON	24600	20200	23100	23600	21900	27900	8200
LEAD	15.7 J	49.5 J	12.7 J	13.3	21.3	83.7	16.0 J
MAGNESIUM	7210	6580	6950	7750	7690	7840	3400 J
MANGANESE	288 J	189	265	310	267	233	142
MERCURY	0.19 U	0.38	0.21	0.18 U	0.17 U	0.67 J	0.17 U
NICKEL	20.0	16.8	26.2	21.2	21.0	26.9	13.7
POTASSIUM	3730	2680	3520	3470	3390	4040 J	2120 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
DEPTH (feet):	4 - 6	0 - 2	0 - 2	10 - 12	4 - 6	1 - 3	10 - 12
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
INORGANICS (MG/KG)							
SELENIUM	0.75	0.79 U	0.78 U	0.71 U	0.69 U	0.93 J	0.72 J
SILVER	3.0 U	3.0 U	3.0 U	2.9 U	2.7 U	4.5	2.7 U
SODIUM	6240	1310 J	1430 J	4920 J	5650 J	3150	2380 J
THALLIUM	1.1 U	1.6 U	1.6 U	1.4 U	1.4 U	1.6 U	1.4 U
VANADIUM	36.0 J	56.9 J	60.6 J.	54.0 J	53.0 J	75.0 J	41.8 J
ZINC	64.8 J	59.5 J	79.8 J	61.7 J	66.2 J	62.9 J	44.8 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	9 U						
1,1,2,2-TETRACHLOROETHANE	9 U						
1,1,2-TRICHLOROETHANE	9 U						
1,1-DICHLOROETHANE	9 U						
1,1-DICHLOROETHENE	9 U						
1,2-DICHLOROETHANE	9 U						
1,2-DICHLOROETHENE (TOTAL)	9 U						
1,2-DICHLOROPROPANE	9 U						
2-BUTANONE	19 U						
2-HEXANONE	19 U						
4-METHYL-2-PENTANONE	19 U						
ACETONE	50						
BENZENE	9 U						
BROMODICHLOROMETHANE	9 U						
BROMOFORM	9 U						
BROMOMETHANE	19 U						
CARBON DISULFIDE	15						
CARBON TETRACHLORIDE	9 U						
CHLOROBENZENE	9 U						
CHLOROETHANE	19 U						
CHLOROFORM	9 U						
CHLOROMETHANE	19 U						
CIS-1,3-DICHLOROPROPENE	9 U						
DIBROMOCHLOROMETHANE	9 U						
ETHYLBENZENE	9 U						
METHYLENE CHLORIDE	9 U						
STYRENE	9 U						
TETRACHLOROETHENE	9 U						
TOLUENE	9 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	9 U						
TRICHLOROETHENE	9 U						
VINYL ACETATE	19 U						
VINYL CHLORIDE	19 U						
XYLENES, TOTAL	9 U						
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	620 U						
1,2-DICHLOROBENZENE	620 U						
1,3-DICHLOROBENZENE	620 U						
1,4-DICHLOROBENZENE	620 U						
2,4,5-TRICHLOROPHENOL	3000 U						
2,4,6-TRICHLOROPHENOL	620 U						
2,4-DICHLOROPHENOL	620 U						
2,4-DIMETHYLPHENOL	620 U						
2,4-DINITROPHENOL	3000 U						
2,4-DINITROTOLUENE	620 U						
2,6-DINITROTOLUENE	620 U						
2-CHLORONAPHTHALENE	620 U						
2-CHLOROPHENOL	620 U						
2-METHYLNAPHTHALENE	620 U						
2-METHYLPHENOL	620 U						
2-NITROANILINE	3000 U						
2-NITROPHENOL	620 U						
3,3'-DICHLOROBENZIDINE	1200 U						
3-NITROANILINE	3000 U						
4,6-DINITRO-2-METHYLPHENOL	3000 U						
4-BROMOPHENYL PHENYL ETHER	620 U						
4-CHLORO-3-METHYLPHENOL	620 U						
4-CHLOROANILINE	620 U						
4-CHLOROPHENYL PHENYL ETHER	620 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	620 U						
4-NITROANILINE	3000 U						
4-NITROPHENOL	3000 U						
ACENAPHTHENE	620 U						
ACENAPHTHYLENE	620 U						
ANTHRACENE	620 U						
BENZO(A)ANTHRACENE	620 U						
BENZO(A)PYRENE	620 U						
BENZO(B)FLUORANTHENE	620 U						
BENZO(G,H,I)PERYLENE	620 U						
BENZO(K)FLUORANTHENE	620 U						
BENZOIC ACID	3000 U						
BENZYL ALCOHOL	620 U						
BIS(2-CHLOROETHOXY)METHANE	620 U						
BIS(2-CHLOROETHYL)ETHER	620 U						
BIS(2-CHLOROISOPROPYL) ETHER	620 U						
BIS(2-ETHYLHEXYL)PHTHALATE	130 J						
BUTYL BENZYL PHTHALATE	620 U						
CHRYSENE	620 U						
DI-N-BUTYL PHTHALATE	620 U						
DI-N-OCTYL PHTHALATE	620 U						
DIBENZO(A,H)ANTHRACENE	620 U						
DIBENZOFURAN	620 U						
DIETHYL PHTHALATE	620 U						
DIMETHYL PHTHALATE	620 U						
FLUORANTHENE	110 J						
FLUORENE	620 U						
HEXACHLOROBENZENE	620 U						
HEXACHLOROBUTADIENE	620 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	620 U						
HEXACHLOROETHANE	620 U						
INDENO(1,2,3-CD)PYRENE	620 U						
ISOPHORONE	620 U						
N-NITROSO-DI-N-PROPYLAMINE	620 U						
N-NITROSODIPHENYLAMINE	620 U						
NAPHTHALENE	620 U						
NITROBENZENE	620 U						
PENTACHLOROPHENOL	3000 U						
PHENANTHRENE	620 U						
PHENOL	620 U						
PYRENE	120 J						
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	30 U						
4,4'-DDE	30 U						
4,4'-DDT	30 U						
ALDRIN	15 U						
ALPHA-BHC	15 U						
ALPHA-CHLORDANE	150 U						
AROCLOR-1016	150 U						
AROCLOR-1221	150 U						
AROCLOR-1232	150 U						
AROCLOR-1242	150 U						
AROCLOR-1248	150 U						
AROCLOR-1254	300 U						
AROCLOR-1260	300 U						
BETA-BHC	15 U						
DELTA-BHC	15 U						
DIELDRIN	30 U						
ENDOSULFAN II	30 U						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	30 U						
ENDOSULFAN-I	15 U						
ENDRIN	30 U						
ENDRIN KETONE	30 U						
GAMMA-BHC (LINDANE)	15 U						
GAMMA-CHLORDANE	150 U						
HEPTACHLOR	15 U						
HEPTACHLOR EPOXIDE	15 U						
METHOXYCHLOR	150 U						
TOXAPHENE	300 U						
INORGANICS (MG/KG)							
ALUMINUM	13300 J						
ANTIMONY	3.0 U						
ARSENIC	5.2 J						
BARIUM	42.4						
BERYLLIUM	1.7 J						
BORON	2200 R						
CADMIUM	5.7 J						
CALCIUM	6290						
CHROMIUM	43.7						
COBALT	10.0						
COPPER	24.5						
CYANIDE	2.3 U						
IRON	23100						
LEAD	22.4						
MAGNESIUM	7660						
MANGANESE	300						
MERCURY	0.18 U						
NICKEL	23.5						
POTASSIUM	3410 J						

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2- AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
DEPTH (feet):	6 - 8	-	-	-	-	-	-
LOCATION:	2WTB8						
SAMPLE DATE:	08/30/90	/ /	/ /	/ /	/ /	/ /	/ /
INVESTIGATION:	PH1						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM	0.75 U						
SILVER	6.6						
SODIUM	5250						
THALLIUM	1.5 U						
VANADIUM	53.9 J						
ZINC	71.5 J						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	11 U	11 U					
1,1,2,2-TETRACHLOROETHANE	11 U	11 U					
1,1,2-TRICHLOROETHANE	11 U	11 U					
1,1-DICHLOROETHANE	11 U	11 U					
1,1-DICHLOROETHENE	11 U	11 U					
1,2-DICHLOROETHANE	11 U	11 U					
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U					
1,2-DICHLOROPROPANE	11 U	11 U					
2-BUTANONE	140 J	42 J					
2-HEXANONE	21 U	22 U					
4-METHYL-2-PENTANONE	21 U	22 U					
ACETONE	210	300					
BENZENE	11 U	11 U					
BROMODICHLOROMETHANE	11 U	11 U					
BROMOFORM	11 U	11 U					
BROMOMETHANE	21 U	22 U					
CARBON DISULFIDE	11	17					
CARBON TETRACHLORIDE	11 U	11 U					
CHLOROBENZENE	11 U	11 U					
CHLOROETHANE	21 U	22 U					
CHLOROFORM	11 U	11 U					
CHLOROMETHANE	21 U	22 U					
CIS-1,3-DICHLOROPROPENE	11 U	11 U					
DIBROMOCHLOROMETHANE	11 U	11 U					
ETHYLBENZENE	11 U	11 U					
METHYLENE CHLORIDE	11 U	11 U					
STYRENE	11 U	11 U					
TETRACHLOROETHENE	11 U	11 U					
TOLUENE	11 U	11 U					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	11 U	11 U					
TRICHLOROETHENE	11 U	11 U					
VINYL ACETATE	21 U	22 U					
VINYL CHLORIDE	21 U	22 U					
XYLENES, TOTAL	11 U	11 U					
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	3500 U	3700 U					
1,2-DICHLOROBENZENE	3500 U	3700 U					
1,3-DICHLOROBENZENE	3500 U	3700 U					
1,4-DICHLOROBENZENE	3500 U	3700 U					
2,4,5-TRICHLOROPHENOL	17000 U	18000 U					
2,4,6-TRICHLOROPHENOL	3500 U	3700 U					
2,4-DICHLOROPHENOL	3500 U	3700 U					
2,4-DIMETHYLPHENOL	3500 U	3700 U					
2,4-DINITROPHENOL	17000 U	18000 U					
2,4-DINITROTOLUENE	3500 U	3700 U					
2,6-DINITROTOLUENE	3500 U	3700 U					
2-CHLORONAPHTHALENE	3500 U	3700 U					
2-CHLOROPHENOL	3500 U	3700 U					
2-METHYLNAPHTHALENE	3500 U	3700 U					
2-METHYLPHENOL	3500 U	3700 U					
2-NITROANILINE	17000 U	18000 U					
2-NITROPHENOL	3500 U	3700 U					
3,3'-DICHLOROBENZIDINE	7000 U	7300 U					
3-NITROANILINE	17000 U	18000 U					
4,6-DINITRO-2-METHYLPHENOL	17000 U	18000 U					
4-BROMOPHENYL PHENYL ETHER	3500 U	3700 U					
4-CHLORO-3-METHYLPHENOL	3500 U	3700 U					
4-CHLOROANILINE	3500 U	3700 U					
4-CHLOROPHENYL PHENYL ETHER	3500 U	3700 U					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	3500 U	3700 U					
4-NITROANILINE	17000 U	18000 U					
4-NITROPHENOL	17000 U	18000 U					
ACENAPHTHENE	3500 U	3700 U					
ACENAPHTHYLENE	3500 U	3700 U					
ANTHRACENE	3500 U	3700 U					
BENZO(A)ANTHRACENE	670 J	3700 U					
BENZO(A)PYRENE	3500 U	3700 U					
BENZO(B)FLUORANTHENE	380 J	3700 U					
BENZO(G,H,I)PERYLENE	3500 U	3700 U					
BENZO(K)FLUORANTHENE	480 J	3700 U					
BENZOIC ACID	17000 U	18000 U					
BENZYL ALCOHOL	3500 U	3700 U					
BIS(2-CHLOROETHOXY)METHANE	3500 U	3700 U					
BIS(2-CHLOROETHYL)ETHER	3500 U	3700 U					
BIS(2-CHLOROISOPROPYL) ETHER	3500 U	3700 U					
BIS(2-ETHYLHEXYL)PHTHALATE	3500 U	3700 U					
BUTYL BENZYL PHTHALATE	3500 U	3700 U					
CHRYSENE	630 J	3700 U					
DI-N-BUTYL PHTHALATE	3500 U	3700 U					
DI-N-OCTYL PHTHALATE	3500 U	3700 U					
DIBENZO(A,H)ANTHRACENE	3500 U	3700 U					
DIBENZOFURAN	3500 U	3700 U					
DIETHYL PHTHALATE	3500 U	3700 U					
DIMETHYL PHTHALATE	3500 U	3700 U					
FLUORANTHENE	970 J	3700 U					
FLUORENE	3500 U	3700 U					
HEXACHLOROBENZENE	3500 U	3700 U					
HEXACHLOROBUTADIENE	3500 U	3700 U					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE	3500 U	3700 U					
HEXACHLOROETHANE	3500 U	3700 U					
INDENO(1,2,3-CD)PYRENE	3500 U	3700 U					
ISOPHORONE	3500 U	3700 U					
N-NITROSO-DI-N-PROPYLAMINE	3500 U	3700 U					
N-NITROSODIPHENYLAMINE	3500 U	3700 U					
NAPHTHALENE	3500 U	3700 U					
NITROBENZENE	3500 U	3700 U					
PENTACHLOROPHENOL	17000 U	18000 U					
PHENANTHRENE	3500 U	3700 U					
PHENOL	3500 U	3700 U					
PYRENE	1300 J	3700 U					
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	140 J		29.25 U	35.13 U	35.33 U	29.79 U	4.9 UJ
4,4'-DDE	36 J		29.25 U	35.13 U	35.33 U	29.79 U	4.9 UJ
4,4'-DDT	34 UJ		29.25 U	35.13 U	35.33 U	29.79 U	4.9 UJ
ALDRIN	17 UJ						2.5 UJ
ALPHA-BHC	17 UJ						2.5 UJ
ALPHA-CHLORDANE	170 UJ						2.5 UJ
AROCLOR-1016	170 UJ						
AROCLOR-1221	170 UJ						
AROCLOR-1232	170 UJ						
AROCLOR-1242	170 UJ						
AROCLOR-1248	170 UJ						
AROCLOR-1254	340 UJ						
AROCLOR-1260	340 UJ						
BETA-BHC	17 UJ						2.5 UJ
DELTA-BHC	17 UJ						2.5 UJ
DIELDRIN	34 UJ		29.25 U	35.13 U	35.33 U	29.79 U	4.9 UJ
ENDOSULFAN II	34 UJ						4.9 UJ

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE	34 UJ						4.9 UJ
ENDOSULFAN-I	17 UJ						2.5 UJ
ENDRIN	34 UJ						4.9 UJ
ENDRIN ALDEHYDE							4.9 UJ
ENDRIN KETONE	34 UJ						4.9 UJ
GAMMA-BHC (LINDANE)	17 UJ						2.5 UJ
GAMMA-CHLORDANE	170 UJ						2.5 UJ
HEPTACHLOR	17 UJ						2.5 UJ
HEPTACHLOR EPOXIDE	17 UJ						2.5 UJ
METHOXYCHLOR	170 UJ						25 UJ
TOXAPHENE	340 UJ						250 UJ
INORGANICS (MG/KG)							
ALUMINUM	18900	18400					
ANTIMONY	10.8 UR	11.3 UR					
ARSENIC	9.2 J	10.2 J					
BARIUM	55.6	54.6					
BERYLLIUM	0.91	0.83					
BORON	4100 R	4500 R					
CADMIUM	4.2	4.8					
CALCIUM	4670	4660					
CHROMIUM	57.1	74.4					
COBALT	10.8	10.6					
COPPER	33.0 J	49.2 J					
CYANIDE	2.7 U	2.8 U					
IRON	28100	29200					
LEAD	51.0	60.6					
MAGNESIUM	7630	7800					
MANGANESE	352	366					
MERCURY	0.21 UJ	0.28 J					
NICKEL	26.0	26.4					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	2WSD10(FIELD)	2WSD11(FIELD)	2WSD12(FIELD)	2WSD13(FIELD)	2WSD14
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD1	2WSD1	2WSD10	2WSD11	2WSD12	2WSD13	2WSD14
SAMPLE DATE:	11/26/90	11/26/90	11/18/93	11/18/93	11/17/93	11/18/93	11/18/93
INVESTIGATION:	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	COMPOSITE	COMPOSITE	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:		112690-2WSD1(0-0.5)					
INORGANICS (MG/KG)							
POTASSIUM	4390	4200					
SELENIUM	0.89	0.88					
SILVER	3.0 UJ	3.2 UJ					
SODIUM	3510	3690					
THALLIUM	0.86 U	0.9 U					
VANADIUM	44.5	43.7					
ZINC	90.6	110					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE							10 U
1,1,2,2-TETRACHLOROETHANE							10 U
1,1,2-TRICHLOROETHANE							10 U
1,1-DICHLOROETHANE							10 U
1,1-DICHLOROETHENE							10 U
1,2-DICHLOROETHANE							10 U
1,2-DICHLOROETHENE (TOTAL)							10 U
1,2-DICHLOROPROPANE							10 U
2-BUTANONE							100
2-HEXANONE							20 U
4-METHYL-2-PENTANONE							20 U
ACETONE							130
BENZENE							10 U
BROMODICHLOROMETHANE							10 U
BROMOFORM							10 U
BROMOMETHANE							20 U
CARBON DISULFIDE							16
CARBON TETRACHLORIDE							10 U
CHLOROBENZENE							10 U
CHLOROETHANE							20 U
CHLOROFORM							10 U
CHLOROMETHANE							20 U
CIS-1,3-DICHLOROPROPENE							10 U
DIBROMOCHLOROMETHANE							10 U
ETHYLBENZENE							10 U
METHYLENE CHLORIDE							10 U
STYRENE							10 U
TETRACHLOROETHENE							10 U
TOLUENE							10 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE							10 U
TRICHLOROETHENE							10 U
VINYL ACETATE							20 U
VINYL CHLORIDE							20 U
XYLENES, TOTAL							10 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE							3400 U
1,2-DICHLOROBENZENE							3400 U
1,3-DICHLOROBENZENE							3400 U
1,4-DICHLOROBENZENE							3400 U
2,4,5-TRICHLOROPHENOL							16000 U
2,4,6-TRICHLOROPHENOL							3400 U
2,4-DICHLOROPHENOL							3400 U
2,4-DIMETHYLPHENOL							3400 U
2,4-DINITROPHENOL							16000 U
2,4-DINITROTOLUENE							3400 U
2,6-DINITROTOLUENE							3400 U
2-CHLORONAPHTHALENE							3400 U
2-CHLOROPHENOL							3400 U
2-METHYLNAPHTHALENE							3400 U
2-METHYLPHENOL							3400 U
2-NITROANILINE							16000 U
2-NITROPHENOL							3400 U
3,3'-DICHLOROBENZIDINE							6700 U
3-NITROANILINE							16000 U
4,6-DINITRO-2-METHYLPHENOL							16000 U
4-BROMOPHENYL PHENYL ETHER							3400 U
4-CHLORO-3-METHYLPHENOL							3400 U
4-CHLOROANILINE							3400 U
4-CHLOROPHENYL PHENYL ETHER							3400 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL							3400 U
4-NITROANILINE							16000 U
4-NITROPHENOL							16000 U
ACENAPHTHENE							3400 U
ACENAPHTHYLENE							3400 U
ANTHRACENE							3400 U
BENZO(A)ANTHRACENE							3400 U
BENZO(A)PYRENE							3400 U
BENZO(B)FLUORANTHENE							3400 U
BENZO(G,H,I)PERYLENE							3400 U
BENZO(K)FLUORANTHENE							3400 U
BENZOIC ACID							16000 U
BENZYL ALCOHOL							3400 U
BIS(2-CHLOROETHOXY)METHANE							3400 U
BIS(2-CHLOROETHYL)ETHER							3400 U
BIS(2-CHLOROISOPROPYL) ETHER							3400 U
BIS(2-ETHYLHEXYL)PHTHALATE							3400 U
BUTYL BENZYL PHTHALATE							3400 U
CHRYSENE							3400 U
DI-N-BUTYL PHTHALATE							6100 U
DI-N-OCTYL PHTHALATE							3400 U
DIBENZO(A,H)ANTHRACENE							3400 U
DIBENZOFURAN							3400 U
DIETHYL PHTHALATE							3400 U
DIMETHYL PHTHALATE							3400 U
FLUORANTHENE							3400 U
FLUORENE							3400 U
HEXACHLOROBENZENE							3400 U
HEXACHLOROBUTADIENE							3400 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE							3400 U
HEXACHLOROETHANE							3400 U
INDENO(1,2,3-CD)PYRENE							3400 U
ISOPHORONE							3400 U
N-NITROSO-DI-N-PROPYLAMINE							3400 U
N-NITROSODIPHENYLAMINE							3400 U
NAPHTHALENE							3400 U
NITROBENZENE							3400 U
PENTACHLOROPHENOL							16000 U
PHENANTHRENE							3400 U
PHENOL							3400 U
PYRENE							3400 U
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	28.5 U	27.03 U	23.36 U	26.45 U	36.95 U	27.16 U	33 UJ
4,4'-DDE	28.5 U	27.03 U	23.36 U	26.45 U	36.95 U	27.16 U	40 J
4,4'-DDT	28.5 U	27.03 U	23.36 U	26.45 U	36.95 U	27.16 U	33 UJ
ALDRIN							16 UJ
ALPHA-BHC							16 UJ
ALPHA-CHLORDANE							160 UJ
AROCLOR-1016							160 UJ
AROCLOR-1221							160 UJ
AROCLOR-1232							160 UJ
AROCLOR-1242							160 UJ
AROCLOR-1248							160 UJ
AROCLOR-1254							330 UJ
AROCLOR-1260							330 UJ
BETA-BHC							16 UJ
DELTA-BHC							16 UJ
DIELDRIN	28.5 U	27.03 U	23.36 U	26.45 U	36.95 U	27.16 U	33 UJ
ENDOSULFAN II							33 UJ

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0 5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE							33 UJ
ENDOSULFAN-I							16 UJ
ENDRIN							33 UJ
ENDRIN KETONE							33 UJ
GAMMA-BHC (LINDANE)							16 UJ
GAMMA-CHLORDANE							160 UJ
HEPTACHLOR							16 UJ
HEPTACHLOR EPOXIDE							16 UJ
METHOXYCHLOR							160 UJ
TOXAPHENE							330 UJ
INORGANICS (MG/KG)							
ALUMINUM							22200
ANTIMONY							10.1 UR
ARSENIC							9.5 J
BARIUM							64.6
BERYLLIUM							1.1
BORON							4000 R
CADMIUM							4.8
CALCIUM							4930
CHROMIUM							48.9
COBALT							11.9
COPPER							30.5 J
CYANIDE							2.6 U
IRON							31700
LEAD							21.3 J
MAGNESIUM							7870
MANGANESE							365
MERCURY							0.19 UJ
NICKEL							28.2
POTASSIUM							4920

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD14(FIELD)	2WSD15(FIELD)	2WSD16(FIELD)	2WSD17(FIELD)	2WSD18(FIELD)	2WSD19(FIELD)	112690-2WSD2(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD14	2WSD15	2WSD16	2WSD17	2WSD18	2WSD19	2WSD2
SAMPLE DATE:	11/18/93	11/18/93	11/18/93	11/18/93	11/17/93	11/18/93	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM							1.6
SILVER							2.8 UJ
SODIUM							3290
THALLIUM							0.81 U
VANADIUM							49.3
ZINC							126

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD20(FIELD)	2WSD21(FIELD)	2WSD22(FIELD)	2WSD23 (0.0-1.0)	2WSD24 (0.0-1.0)	2WSD25 (0.0-1.0)	2WSD26 (0.0-1.0)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WSD20	2WSD21	2WSD22	2WSD23	2WSD24	2WSD25	2WSD26
SAMPLE DATE:	11/18/93	11/19/93	11/19/93	10/29/93	10/29/93	10/29/93	10/29/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	30.35 U	29.72 U	43.49 U	410 J	3100 J	4800 J	23 U
4,4'-DDE	30.35 U	29.72 U	43.49 U	93	240 J	720 J	6.2 J
4,4'-DDT	30.35 U	29.72 U	43.49 U	190	47 U	2900	6.9 UJ
ALDRIN				7.6 U	24 UJ	25 UJ	3.6 UJ
ALPHA-BHC				7.6 U	24 UJ	25 UJ	3.6 UJ
ALPHA-CHLORDANE				9.5	24 UJ	25 UJ	3.6 UJ
AROCLOR-1016				150 U	470 UJ	480 UJ	69 UJ
AROCLOR-1221				300 U	950 UJ	970 UJ	140 UJ
AROCLOR-1232				150 U	470 UJ	480 UJ	69 UJ
AROCLOR-1242				150 U	470 UJ	480 UJ	69 UJ
AROCLOR-1248				150 U	470 UJ	480 UJ	69 UJ
AROCLOR-1254				150 U	470 UJ	480 UJ	69 UJ
AROCLOR-1260				150 U	470 U	480 U	69 U
BETA-BHC				7.6 U	24 UJ	25 UJ	3.6 UJ
DELTA-BHC				7.6 U	24 UJ	25 UJ	3.6 UJ
DIELDRIN	30.35 U	29.72 U	43.49 U	15 U	47 UJ	48 UJ	6.9 UJ
ENDOSULFAN II				15 U	47 U	48 U	6.9 U
ENDOSULFAN SULFATE				15 U	47 U	48 U	6.9 U
ENDOSULFAN-I				7.6 U	24 UJ	25 UJ	3.6 UJ
ENDRIN				15 U	47 U	48 U	6.9 U
ENDRIN ALDEHYDE				15 U	47 U	48 U	6.9 U
ENDRIN KETONE				15 U	47 U	48 U	6.9 U
GAMMA-BHC (LINDANE)				7.6 U	24 UJ	25 UJ	3.6 UJ
GAMMA-CHLORDANE				6 J	14 J	25 UJ	3.6 UJ
HEPTACHLOR				7.6 U	24 UJ	25 UJ	3.6 UJ
HEPTACHLOR EPOXIDE				7.6 U	24 UJ	25 UJ	3.6 UJ
METHOXYCHLOR				76 U	240 U	250 U	36 U
TOXAPHENE				760 U	2400 U	2500 U	360 U
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON				65000	91000	28000	26000

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE				54 U			
1,1,2,2-TETRACHLOROETHANE				54 U			
1,1,2-TRICHLOROETHANE				54 U			
1,1-DICHLOROETHANE				54 U			
1,1-DICHLOROETHENE				54 U			
1,2-DICHLOROETHANE				54 U			
1,2-DICHLOROETHENE (TOTAL)				54 U			
1,2-DICHLOROPROPANE				54 U			
2-BUTANONE				110 U			
2-HEXANONE				110 U			
4-METHYL-2-PENTANONE				110 U			
ACETONE				230			
BENZENE				54 U			
BROMODICHLOROMETHANE				54 U			
BROMOFORM				54 U			
BROMOMETHANE				110 U			
CARBON DISULFIDE				18 J			
CARBON TETRACHLORIDE				54 U			
CHLOROBENZENE				54 U			
CHLOROETHANE				110 U			
CHLOROFORM				54 U			
CHLOROMETHANE				110 U			
CIS-1,3-DICHLOROPROPENE				54 U			
DIBROMOCHLOROMETHANE				54 U			
ETHYLBENZENE				54 U			
METHYLENE CHLORIDE				54 U			
STYRENE				54 U			
TETRACHLOROETHENE				54 U			
TOLUENE				54 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE				54 U			
TRICHLOROETHENE				54 U			
VINYL ACETATE				110 U			
VINYL CHLORIDE				110 U			
XYLENES, TOTAL				54 U			
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE				3600 U			
1,2-DICHLOROBENZENE				3600 U			
1,3-DICHLOROBENZENE				3600 U			
1,4-DICHLOROBENZENE				3600 U			
2,4,5-TRICHLOROPHENOL				17000 U			
2,4,6-TRICHLOROPHENOL				3600 U			
2,4-DICHLOROPHENOL				3600 U			
2,4-DIMETHYLPHENOL				3600 U			
2,4-DINITROPHENOL				17000 U			
2,4-DINITROTOLUENE				3600 U			
2,6-DINITROTOLUENE				3600 U			
2-CHLORONAPHTHALENE				3600 U			
2-CHLOROPHENOL				3600 U			
2-METHYLNAPHTHALENE				3600 U			
2-METHYLPHENOL				3600 U			
2-NITROANILINE				17000 U			
2-NITROPHENOL				3600 U			
3,3'-DICHLOROBENZIDINE				7200 U			
3-NITROANILINE				17000 U			
4,6-DINITRO-2-METHYLPHENOL				17000 U			
4-BROMOPHENYL PHENYL ETHER				3600 U			
4-CHLORO-3-METHYLPHENOL				3600 U			
4-CHLOROANILINE				3600 U			
4-CHLOROPHENYL PHENYL ETHER				3600 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL				3600 U			
4-NITROANILINE				17000 U			
4-NITROPHENOL				17000 U			
ACENAPHTHENE				3600 U			
ACENAPHTHYLENE				3600 U			
ANTHRACENE				3600 U			
BENZO(A)ANTHRACENE				3600 U			
BENZO(A)PYRENE				3600 U			
BENZO(B)FLUORANTHENE				3600 U			
BENZO(G,H,I)PERYLENE				3600 U			
BENZO(K)FLUORANTHENE				3600 U			
BENZOIC ACID				17000 U			
BENZYL ALCOHOL				3600 U			
BIS(2-CHLOROETHOXY)METHANE				3600 U			
BIS(2-CHLOROETHYL)ETHER				3600 U			
BIS(2-CHLOROISOPROPYL) ETHER				3600 U			
BIS(2-ETHYLHEXYL)PHTHALATE				3600 U			
BUTYL BENZYL PHTHALATE				3600 U			
CHRYSENE				3600 U			
DI-N-BUTYL PHTHALATE				3600 U			
DI-N-OCTYL PHTHALATE				3600 U			
DIBENZO(A,H)ANTHRACENE				3600 U			
DIBENZOFURAN				3600 U			
DIETHYL PHTHALATE				3600 U			
DIMETHYL PHTHALATE				3600 U			
FLUORANTHENE				390 J			
FLUORENE				3600 U			
HEXACHLOROBENZENE				3600 U			
HEXACHLOROBUTADIENE				3600 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE				3600 U			
HEXACHLOROETHANE				3600 U			
INDENO(1,2,3-CD)PYRENE				3600 U			
ISOPHORONE				3600 U			
N-NITROSO-DI-N-PROPYLAMINE				3600 U			
N-NITROSODIPHENYLAMINE				3600 U			
NAPHTHALENE				3600 U			
NITROBENZENE				3600 U			
PENTACHLOROPHENOL				17000 U			
PHENANTHRENE				3600 U			
PHENOL				3600 U			
PYRENE				670 J			
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	26.61 U	25.93 U	24.87 U	35 UJ	34.62 U	47.23 U	36.37 U
4,4'-DDE	26.61 U	25.93 U	24.87 U	35 UJ	34.62 U	47.23 U	36.37 U
4,4'-DDT	26.61 U	25.93 U	24.87 U	57 J	34.62 U	47.23 U	36.37 U
ALDRIN				17 UJ			
ALPHA-BHC				17 UJ			
ALPHA-CHLORDANE				170 UJ			
AROCLOR-1016				170 UJ			
AROCLOR-1221				170 UJ			
AROCLOR-1232				170 UJ			
AROCLOR-1242				170 UJ			
AROCLOR-1248				170 UJ			
AROCLOR-1254				350 UJ			
AROCLOR-1260				350 UJ			
BETA-BHC				17 UJ			
DELTA-BHC				17 UJ			
DIELDRIN	26.61 U	25.93 U	24.87 U	35 UJ	34.62 U	47.23 U	36.37 U
ENDOSULFAN II				35 UJ			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE				35 UJ			
ENDOSULFAN-I				17 UJ			
ENDRIN				35 UJ			
ENDRIN KETONE				35 UJ			
GAMMA-BHC (LINDANE)				17 UJ			
GAMMA-CHLORDANE				170 UJ			
HEPTACHLOR				17 UJ			
HEPTACHLOR EPOXIDE				17 UJ			
METHOXYCHLOR				170 UJ			
TOXAPHENE				350 UJ			
INORGANICS (MG/KG)							
ALUMINUM				18800			
ANTIMONY				9.8 UR			
ARSENIC				9.5 J			
BARIUM				56.6			
BERYLLIUM				0.88			
BORON				4400 R			
CADMIUM				5.3			
CALCIUM				4220			
CHROMIUM				92.6			
COBALT				11.1			
COPPER				69.5 J			
CYANIDE				2.4 U			
IRON				29700			
LEAD				46.1			
MAGNESIUM				7990			
MANGANESE				341			
MERCURY				0.31 J			
NICKEL				27.0			
POTASSIUM				4280			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD27(FIELD)	2WSD28(FIELD)	2WSD29(FIELD)	112690-2WSD3(0-0.5)	2WSD30(FIELD)	2WSD31(FIELD)	2WSD32(FIELD)
DEPTH (feet):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD27	2WSD28	2WSD29	2WSD3	2WSD30	2WSD31	2WSD32
SAMPLE DATE:	11/19/93	11/19/93	11/19/93	11/26/90	11/19/93	11/19/93	11/17/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM				1.3			
SILVER				2.7 UJ			
SODIUM				6090			
THALLIUM				0.78 U			
VANADIUM				45.5			
ZINC				127			

000055

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD33(FIELD)	2WSD34	2WSD34(FIELD)	2WSD35(FIELD)	2WSD36(FIELD)	2WSD37(FIELD)	2WSD38
DEPTH (feet):	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD33	2WSD34	2WSD34	2WSD35	2WSD36	2WSD37	2WSD38
SAMPLE DATE:	11/20/93	11/19/93	11/19/93	11/20/93	11/20/93	11/17/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	32.94 U	5.9 UJ	29.5 U	35.7 U	37.63 U	29.01 U	6.9 U
4,4'-DDE	32.94 U	5.9 UJ	29.5 U	35.7 U	37.63 U	29.01 U	6.9 U
4,4'-DDT	32.94 U	13 J	29.5 U	35.7 U	37.63 U	29.01 U	6.9 U
ALDRIN		3 UJ					3.5 U
ALPHA-BHC		3 UJ					3.5 U
ALPHA-CHLORDANE		3 UJ					3.5 U
BETA-BHC		3 UJ					3.5 U
DELTA-BHC		3 UJ					3.5 U
DIELDRIN	32.94 U	5.9 UJ	29.5 U	35.7 U	37.63 U	29.01 U	6.9 U
ENDOSULFAN II		5.9 UJ					6.9 U
ENDOSULFAN SULFATE		5.9 UJ					6.9 U
ENDOSULFAN-I		3 UJ					3.5 U
ENDRIN		5.9 UJ					6.9 U
ENDRIN ALDEHYDE		5.9 UJ					6.9 U
ENDRIN KETONE		5.9 UJ					6.9 U
GAMMA-BHC (LINDANE)		3 UJ					3.5 U
GAMMA-CHLORDANE		3 UJ					3.5 U
HEPTACHLOR		3.1 J					3.5 U
HEPTACHLOR EPOXIDE		3 UJ					3.5 U
METHOXYCHLOR		30 UJ					35 U
TOXAPHENE		300 UJ					350 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE				10 U			
1,1,2,2-TETRACHLOROETHANE				10 U			
1,1,2-TRICHLOROETHANE				10 U			
1,1-DICHLOROETHANE				10 U			
1,1-DICHLOROETHENE				10 U			
1,2-DICHLOROETHANE				10 U			
1,2-DICHLOROETHENE (TOTAL)				10 U			
1,2-DICHLOROPROPANE				10 U			
2-BUTANONE				20 U			
2-HEXANONE				20 U			
4-METHYL-2-PENTANONE				20 U			
ACETONE				20 U			
BENZENE				10 U			
BROMODICHLOROMETHANE				10 U			
BROMOFORM				10 U			
BROMOMETHANE				20 U			
CARBON DISULFIDE				10 U			
CARBON TETRACHLORIDE				10 U			
CHLOROBENZENE				10 U			
CHLOROETHANE				20 U			
CHLOROFORM				10 U			
CHLOROMETHANE				20 U			
CIS-1,3-DICHLOROPROPENE				10 U			
DIBROMOCHLOROMETHANE				10 U			
ETHYLBENZENE				10 U			
METHYLENE CHLORIDE				10 J			
STYRENE				10 U			
TETRACHLOROETHENE				16 J			
TOLUENE				10 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE				10 U			
TRICHLOROETHENE				11 J			
VINYL ACETATE				20 U			
VINYL CHLORIDE				20 U			
XYLENES, TOTAL				10 U			
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE				3400 U			
1,2-DICHLOROBENZENE				3400 U			
1,3-DICHLOROBENZENE				3400 U			
1,4-DICHLOROBENZENE				3400 U			
2,4,5-TRICHLOROPHENOL				16000 U			
2,4,6-TRICHLOROPHENOL				3400 U			
2,4-DICHLOROPHENOL				3400 U			
2,4-DIMETHYLPHENOL				3400 U			
2,4-DINITROPHENOL				16000 U			
2,4-DINITROTOLUENE				3400 U			
2,6-DINITROTOLUENE				3400 U			
2-CHLORONAPHTHALENE				3400 U			
2-CHLOROPHENOL				3400 U			
2-METHYLNAPHTHALENE				3400 U			
2-METHYLPHENOL				3400 U			
2-NITROANILINE				16000 U			
2-NITROPHENOL				3400 U			
3,3'-DICHLOROBENZIDINE				6700 U			
3-NITROANILINE				16000 U			
4,6-DINITRO-2-METHYLPHENOL				16000 U			
4-BROMOPHENYL PHENYL ETHER				3400 U			
4-CHLORO-3-METHYLPHENOL				3400 U			
4-CHLOROANILINE				3400 U			
4-CHLOROPHENYL PHENYL ETHER				3400 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL				3400 U			
4-NITROANILINE				16000 U			
4-NITROPHENOL				16000 U			
ACENAPHTHENE				3400 U			
ACENAPHTHYLENE				3400 U			
ANTHRACENE				3400 U			
BENZO(A)ANTHRACENE				3400 U			
BENZO(A)PYRENE				3400 U			
BENZO(B)FLUORANTHENE				3400 U			
BENZO(G,H,I)PERYLENE				3400 U			
BENZO(K)FLUORANTHENE				3400 U			
BENZOIC ACID				16000 U			
BENZYL ALCOHOL				3400 U			
BIS(2-CHLOROETHOXY)METHANE				3400 U			
BIS(2-CHLOROETHYL)ETHER				3400 U			
BIS(2-CHLOROISOPROPYL) ETHER				3400 U			
BIS(2-ETHYLHEXYL)PHTHALATE				3400 U			
BUTYL BENZYL PHTHALATE				3400 U			
CHRYSENE				3400 U			
DI-N-BUTYL PHTHALATE				3400 U			
DI-N-OCTYL PHTHALATE				3400 U			
DIBENZO(A,H)ANTHRACENE				3400 U			
DIBENZOFURAN				3400 U			
DIETHYL PHTHALATE				3400 U			
DIMETHYL PHTHALATE				3400 U			
FLUORANTHENE				410 J			
FLUORENE				3400 U			
HEXACHLOROBENZENE				3400 U			
HEXACHLOROBUTADIENE				3400 U			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE				3400 U			
HEXACHLOROETHANE				3400 U			
INDENO(1,2,3-CD)PYRENE				3400 U			
ISOPHORONE				3400 U			
N-NITROSO-DI-N-PROPYLAMINE				3400 U			
N-NITROSODIPHENYLAMINE				3400 U			
NAPHTHALENE				3400 U			
NITROBENZENE				3400 U			
PENTACHLOROPHENOL				16000 U			
PHENANTHRENE				3400 U			
PHENOL				3400 U			
PYRENE				460 J			
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	29.7 U	7.3 U	30.8 U	33 UJ	7.5 UJ	32.4 U	12 J
4,4'-DDE	29.7 U	7.3 U	30.8 U	33 UJ	7.5 UJ	32.4 U	3.8 U
4,4'-DDT	29.7 U	7.3 U	30.8 U	33 UJ	7.5 UJ	32.4 U	8
ALDRIN		3.8 U		16 UJ	3.9 UJ		2 U
ALPHA-BHC		3.8 U		16 UJ	3.9 UJ		2 U
ALPHA-CHLORDANE		3.8 U		160 UJ	3.9 UJ		2 U
AROCLOR-1016				160 UJ			
AROCLOR-1221				160 UJ			
AROCLOR-1232				160 UJ			
AROCLOR-1242				160 UJ			
AROCLOR-1248				160 UJ			
AROCLOR-1254				330 UJ			
AROCLOR-1260				330 UJ			
BETA-BHC		3.8 U		16 UJ	3.9 UJ		2 U
DELTA-BHC		3.8 U		16 UJ	3.9 UJ		2 U
DIELDRIN	29.7 U	7.3 U	30.8 U	33 UJ	7.5 UJ	32.4 U	3.8 U
ENDOSULFAN II		7.3 U		33 UJ	7.5 UJ		3.8 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE		7.3 U		33 UJ	7.5 UJ		3.8 U
ENDOSULFAN-I		3.8 U		16 UJ	3.9 UJ		2 U
ENDRIN		7.3 U		33 UJ	7.5 UJ		3.8 U
ENDRIN ALDEHYDE		7.3 U			7.5 UJ		3.8 U
ENDRIN KETONE		7.3 U		33 UJ	7.5 UJ		3.8 U
GAMMA-BHC (LINDANE)		3.8 U		16 UJ	3.9 UJ		2 U
GAMMA-CHLORDANE		3.8 U		160 UJ	3.9 UJ		2 U
HEPTACHLOR		3.8 U		16 UJ	3.9 UJ		2 U
HEPTACHLOR EPOXIDE		3.8 U		16 UJ	3.9 UJ		2 U
METHOXYCHLOR		38 U		160 UJ	39 UJ		20 U
TOXAPHENE		380 U		330 UJ	390 UJ		200 U
INORGANICS (MG/KG)							
ALUMINUM				16600			
ANTIMONY				8.2 UR			
ARSENIC				10.0 J			
BARIUM				56.0			
BERYLLIUM				0.44			
BORON				1200 R			
CADMIUM				3.8			
CALCIUM				1480			
CHROMIUM				73.9			
COBALT				7.3			
COPPER				44.8 J			
CYANIDE				2.0 U			
IRON				26700			
LEAD				56.8			
MAGNESIUM				5950			
MANGANESE				193			
MERCURY				0.25 J			
NICKEL				17.8			

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD38(FIELD)	2WSD39	2WSD39(FIELD)	112690-2WSD4(0-0.5)	2WSD40	2WSD40(FIELD)	2WSD41
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5	0 - 0.5	0.0 - 0.5	0 - 0.5
LOCATION:	2WSD38	2WSD39	2WSD39	2WSD4	2WSD40	2WSD40	2WSD41
SAMPLE DATE:	11/20/93	11/20/93	11/20/93	11/26/90	11/20/93	11/20/93	11/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	COMPOSITE	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
POTASSIUM				4560			
SELENIUM				0.79			
SILVER				2.3 UJ			
SODIUM				383 J			
THALLIUM				0.66 U			
VANADIUM				45.4			
ZINC				63.2 J			
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON		14000					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE			5 U	43 U	56 U	10 U	20 U
1,1,2,2-TETRACHLOROETHANE			5 U	43 U	56 U	10 U	20 U
1,1,2-TRICHLOROETHANE			5 U	43 U	56 U	10 U	20 U
1,1-DICHLOROETHANE			5 U	43 U	56 U	10 U	20 U
1,1-DICHLOROETHENE			5 U	43 U	56 U	10 U	20 U
1,2-DICHLOROETHANE			5 U	43 U	56 U	10 U	20 U
1,2-DICHLOROETHENE (TOTAL)			5 U	43 U	56 U	10 U	20 U
1,2-DICHLOROPROPANE			5 U	43 U	56 U	10 U	20 U
2-BUTANONE			11 U	86 U	110 U	20 U	40 U
2-HEXANONE			11 U	86 U	110 U	20 U	40 U
4-METHYL-2-PENTANONE			11 U	86 U	110 U	20 U	40 U
ACETONE			11 U	240	720	190	40 U
BENZENE			5 U	43 U	56 U	10 U	20 U
BROMODICHLOROMETHANE			5 U	43 U	56 U	10 U	20 U
BROMOFORM			5 U	43 U	56 U	10 U	20 U
BROMOMETHANE			11 U	86 U	110 U	20 U	40 U
CARBON DISULFIDE			5 U	9 J	56 U	15	20 U
CARBON TETRACHLORIDE			5 U	43 U	56 U	10 U	20 U
CHLOROBENZENE			5 U	43 U	56 U	10 U	20 U
CHLOROETHANE			11 U	86 U	110 U	20 U	40 U
CHLOROFORM			5 U	43 U	56 U	10 U	20 U
CHLOROMETHANE			11 U	86 U	110 U	20 U	40 U
CIS-1,3-DICHLOROPROPENE			5 U	43 U	56 U	10 U	20 U
DIBROMOCHLOROMETHANE			5 U	43 U	56 U	10 U	20 U
ETHYLBENZENE			5 U	43 U	56 U	10 U	20 U
METHYLENE CHLORIDE			3 J	10 J	56 U	2 J	5 J
STYRENE			5 U	43 U	56 U	10 U	20 U
TETRACHLOROETHENE			4 J	10 J	56 U	10 U	11 J
TOLUENE			5 U	43 U	56 U	10 U	20 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE			5 U	43 U	56 U	10 U	20 U
TRICHLOROETHENE			3 J	43 U	56 U	10 U	6 J
VINYL ACETATE			11 U	86 U	110 U	20 U	40 U
VINYL CHLORIDE			11 U	86 U	110 U	20 U	40 U
XYLENES, TOTAL			5 U	43 U	56 U	10 U	20 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
1,2-DICHLOROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
1,3-DICHLOROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
1,4-DICHLOROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
2,4,5-TRICHLOROPHENOL			8700 U	14000 U	18000 U	16000 U	32000 U
2,4,6-TRICHLOROPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
2,4-DICHLOROPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
2,4-DIMETHYLPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
2,4-DINITROPHENOL			8700 U	14000 U	18000 U	16000 U	32000 U
2,4-DINITROTOLUENE			1800 U	2800 U	3700 U	3300 U	6600 U
2,6-DINITROTOLUENE			1800 U	2800 U	3700 U	3300 U	6600 U
2-CHLORONAPHTHALENE			1800 U	2800 U	3700 U	3300 U	6600 U
2-CHLOROPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
2-METHYLNAPHTHALENE			1800 U	2800 U	3700 U	3300 U	6600 U
2-METHYLPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
2-NITROANILINE			8700 U	14000 U	18000 U	16000 U	32000 U
2-NITROPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
3,3'-DICHLOROBENZIDINE			3600 U	5700 U	7300 U	6600 U	13000 U
3-NITROANILINE			8700 U	14000 U	18000 U	16000 U	32000 U
4,6-DINITRO-2-METHYLPHENOL			8700 U	14000 U	18000 U	16000 U	32000 U
4-BROMOPHENYL PHENYL ETHER			1800 U	2800 U	3700 U	3300 U	6600 U
4-CHLORO-3-METHYLPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
4-CHLOROANILINE			1800 U	2800 U	3700 U	3300 U	6600 U
4-CHLOROPHENYL PHENYL ETHER			1800 U	2800 U	3700 U	3300 U	6600 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
4-NITROANILINE			8700 U	14000 U	18000 U	16000 U	32000 U
4-NITROPHENOL			8700 U	14000 U	18000 U	16000 U	32000 U
ACENAPHTHENE			1800 U	2800 U	3700 U	3300 U	6600 U
ACENAPHTHYLENE			1800 U	2800 U	3700 U	3300 U	6600 U
ANTHRACENE			1800 U	2800 U	3700 U	3300 U	2400 J
BENZO(A)ANTHRACENE			1800 U	2800 U	3700 U	3300 U	27000
BENZO(A)PYRENE			1800 U	2800 U	3700 U	3300 U	35000
BENZO(B)FLUORANTHENE			1800 U	2800 U	3700 U	420 J	55000
BENZO(G,H,I)PERYLENE			1800 U	2800 U	3700 U	3300 U	23000
BENZO(K)FLUORANTHENE			1800 U	2800 U	3700 U	670 J	45000
BENZOIC ACID			8700 U	14000 U	780 J	16000 U	32000 J
BENZYL ALCOHOL			1800 U	2800 U	3700 U	3300 U	6600 U
BIS(2-CHLOROETHOXY)METHANE			1800 U	2800 U	3700 U	3300 U	6600 U
BIS(2-CHLOROETHYL)ETHER			1800 U	2800 U	3700 U	3300 U	6600 U
BIS(2-CHLOROISOPROPYL) ETHER			1800 U	2800 U	3700 U	3300 U	6600 U
BIS(2-ETHYLHEXYL)PHTHALATE			1800 U	2800 U	3700 U	3300 U	6600 U
BUTYL BENZYL PHTHALATE			1800 U	2800 U	3700 U	3300 U	6600 U
CHRYSENE			1800 U	2800 U	3700 U	610 J	42000
DI-N-BUTYL PHTHALATE			1800 U	2800 U	3700 U	3300 U	7900 U
DI-N-OCTYL PHTHALATE			1800 U	2800 U	3700 U	3300 U	6600 U
DIBENZO(A,H)ANTHRACENE			1800 U	2800 U	3700 U	3300 U	6600 U
DIBENZOFURAN			1800 U	2800 U	3700 U	3300 U	1000 J
DIETHYL PHTHALATE			1800 U	2800 U	3700 U	3300 U	6600 U
DIMETHYL PHTHALATE			1800 U	2800 U	3700 U	3300 U	6600 U
FLUORANTHENE			1800 U	2800 U	470 J	1300 J	80000
FLUORENE			1800 U	2800 U	3700 U	3300 U	1000 J
HEXACHLOROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
HEXACHLOROBUTADIENE			1800 U	2800 U	3700 U	3300 U	6600 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROCYCLOPENTADIENE			1800 U	2800 U	3700 U	3300 U	6600 U
HEXACHLOROETHANE			1800 U	2800 U	3700 U	3300 U	6600 U
INDENO(1,2,3-CD)PYRENE			1800 U	2800 U	3700 U	3300 U	23000
ISOPHORONE			1800 U	2800 U	3700 U	3300 U	6600 U
N-NITROSO-DI-N-PROPYLAMINE			1800 U	2800 U	3700 U	3300 U	6600 U
N-NITROSODIPHENYLAMINE			1800 U	2800 U	3700 U	3300 U	6600 U
NAPHTHALENE			1800 U	2800 U	3700 U	3300 U	6600 U
NITROBENZENE			1800 U	2800 U	3700 U	3300 U	6600 U
PENTACHLOROPHENOL			8700 U	14000 U	18000 U	16000 U	32000 U
PHENANTHRENE			1800 U	2800 U	3700 U	440 J	36000
PHENOL			1800 U	2800 U	3700 U	3300 U	6600 U
PYRENE			1800 U	470 J	610 J	1500 J	42000 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	19.3 U	19.51 U	17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
4,4'-DDE	19.3 U	19.51 U	17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
4,4'-DDT	19.3 U	19.51 U	17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
ALDRIN			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
ALPHA-BHC			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
ALPHA-CHLORDANE			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1016			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1221			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1232			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1242			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1248			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
AROCLOR-1254			170 UJ	280 UJ	360 UJ	320 UJ	640 UJ
AROCLOR-1260			170 UJ	280 UJ	360 UJ	320 UJ	640 UJ
BETA-BHC			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
DELTA-BHC			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
DIELDRIN	19.3 U	19.51 U	17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
ENDOSULFAN II			17 UJ	28 UJ	36 UJ	32 UJ	64 UJ

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN SULFATE			17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
ENDOSULFAN-I			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
ENDRIN			17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
ENDRIN KETONE			17 UJ	28 UJ	36 UJ	32 UJ	64 UJ
GAMMA-BHC (LINDANE)			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
GAMMA-CHLORDANE			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
HEPTACHLOR			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
HEPTACHLOR EPOXIDE			8.7 UJ	14 UJ	18 UJ	16 UJ	32 UJ
METHOXYCHLOR			87 UJ	140 UJ	180 UJ	160 UJ	320 UJ
TOXAPHENE			170 UJ	280 UJ	360 UJ	320 UJ	640 UJ
INORGANICS (MG/KG)							
ALUMINUM			14200	19300	17800	18300	20800
ANTIMONY			8.2 UR	10.1 UR	9.4 UR	10.1 UR	9.9 UR
ARSENIC			8.5 J	10.5 J	13.9 J	8.1 J	11.8 J
BARIUM			53.6	59.9	59.7	64.0	72.8
BERYLLIUM			0.39	0.81	0.51	0.84	0.85
BORON			1300 R	730 R	450 R	3600 R	490 R
CADMIUM			3.7	3.5	3.5	5.0	6.1
CALCIUM			1090 J	2090	1830	6800	2160
CHROMIUM			71.7	93.5	69.3	95.7	63.7
COBALT			6.8	8.4	7.6	10.2	8.6
COPPER			52.2 J	51.3 J	34.6 J	71.5	39.6 J
CYANIDE			2.0 U	2.5 U	2.4 U	2.5 U	3.2
IRON			28300	22900	24100	25500	44000
LEAD			48.1	69.0	37.8	69.2	241 J
MAGNESIUM			5550	6700	6060	7300	5880
MANGANESE			166	210	193	278	357
MERCURY			0.35 J	0.32 J	0.42 J	0.48 J	0.24 J
NICKEL			16.7	19.9	17.6	24.2	21.2
POTASSIUM			4160	3980	3790	4070	3310

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSD41(FIELD)	2WSD42(FIELD)	112690-2WSD5(0-0.5)	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)
DEPTH (feet):	0.0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
LOCATION:	2WSD41	2WSD42	2WSD5	2WSD6	2WSD7	2WSD8	2WSD9
SAMPLE DATE:	11/20/93	11/17/93	11/26/90	11/26/90	11/26/90	11/26/90	11/26/90
INVESTIGATION:	PH2-1	PH2-1	PH1	PH1	PH1	PH1	PH1
SAMPLE TYPE:	GRAB	GRAB	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM			0.98	1.1	1.6	1.2	1.3
SILVER			2.3 UJ	2.8 UJ	2.6 UJ	2.8 UJ	2.8 UJ
SODIUM			291 J	1150 J	464 J	6650	321 J
THALLIUM			0.65 U	0.81 U	0.76 U	0.81 U	0.8 U
VANADIUM			44.6	49.3	44.8	41.0	55.9
ZINC			58.1 J	57.6 J	51.5 J	124	109

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,1,2,2-TETRACHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 UJ	17 U
1,1,2-TRICHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,1-DICHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,1-DICHLOROETHENE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,2-DICHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,2-DICHLOROETHENE (TOTAL)	12 U	11 U	14 U	22 U	16 U	15 U	17 U
1,2-DICHLOROPROPANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
2-BUTANONE	12 U	11 U	14 U	21 U	520	420	32 U
2-HEXANONE	12 U	11 U	14 U	22 U	16 U	15 UJ	17 U
4-METHYL-2-PENTANONE	12 U	11 U	14 U	22 U	16 U	15 UJ	17 U
ACETONE	12 U	11 U	25 U	67 U	49 U	85 U	53 U
BENZENE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
BROMODICHLOROMETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
BROMOFORM	12 U	11 U	14 U	22 U	16 U	15 U	17 U
BROMOMETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
CARBON DISULFIDE	12 U	11 U	14 U	12 J	16 U	15 U	17 U
CARBON TETRACHLORIDE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
CHLOROBENZENE	12 U	11 U	14 U	22 U	16 U	2 J	17 U
CHLOROETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
CHLOROFORM	12 U	11 U	14 U	22 U	16 U	15 U	17 U
CHLOROMETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
CIS-1,3-DICHLOROPROPENE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
DIBROMOCHLOROMETHANE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
ETHYLBENZENE	12 U	11 U	14 U	22 U	16 U	15 UJ	17 U
METHYLENE CHLORIDE	12 U	12 U	14 U	32 U	16 U	19 U	17 U
STYRENE	12 U	11 U	14 U	22 UJ	16 U	15 UJ	17 U
TETRACHLOROETHENE	12 U	11 U	14 U	22 U	16 U	15 UJ	17 U
TOLUENE	12 U	11 U	3 J	22 U	5 J	2 J	17 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
TRICHLOROETHENE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
VINYL ACETATE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
VINYL CHLORIDE	12 U	11 U	14 U	22 U	16 U	15 U	17 U
XYLENES, TOTAL	12 U	11 U	14 U	22 UJ	16 U	15 UJ	17 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
1,2-DICHLOROBENZENE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
1,3-DICHLOROBENZENE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
1,4-DICHLOROBENZENE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
2,2'-OXYBIS(1-CHLOROPROPANE)			470 U	730 U			
2,4,5-TRICHLOROPHENOL	1000 U	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
2,4,6-TRICHLOROPHENOL	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2,4-DICHLOROPHENOL	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2,4-DIMETHYLPHENOL	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2,4-DINITROPHENOL	1000 UJ	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
2,4-DINITROTOLUENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2,6-DINITROTOLUENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2-CHLORONAPHTHALENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
2-CHLOROPHENOL	410 U	380 U	470 U	730 U	520 U	480 U	550 U
2-METHYLNAPHTHALENE	410 U	380 UJ	40 J	730 U	520 U	480 UJ	550 U
2-METHYLPHENOL	410 U	380 U	470 U	730 U	520 U	480 U	550 U
2-NITROANILINE	1000 U	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
2-NITROPHENOL	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
3,3'-DICHLOROBENZIDINE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
3-NITROANILINE	1000 U	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
4,6-DINITRO-2-METHYLPHENOL	1000 U	920 U	1100 U	1800 U	1200 U	1200 U	1300 U
4-BROMOPHENYL PHENYL ETHER	410 U	380 U	470 U	730 U	520 U	480 U	550 U
4-CHLORO-3-METHYLPHENOL	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
4-CHLOROANILINE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
SEMIVOLATILES (UG/KG)							
4-CHLOROPHENYL PHENYL ETHER	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
4-METHYLPHENOL	410 U	380 U	470 U	730 U	520 U	480 U	550 U
4-NITROANILINE	1000 U	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
4-NITROPHENOL	1000 U	920 UJ	1100 U	1800 U	1200 U	1200 UJ	1300 U
ACENAPHTHENE	410 U	380 UJ	110 J	730 U	30 J	91 J	550 U
ACENAPHTHYLENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
ANTHRACENE	410 U	40 J	48 J	730 U	71 J	200 J	58 J
BENZO(A)ANTHRACENE	45 J	180 J	290 J	90 J	260 J	680 J	260 J
BENZO(A)PYRENE	55 J	190 J	320 J	110 J	290 J	690 J	300 J
BENZO(B)FLUORANTHENE	54 J	220 J	270 J	110 J	310 J	660 J	550 U
BENZO(G,H,I)PERYLENE	50 J	160 J	290 J	730 U	230 J	630 J	240 J
BENZO(K)FLUORANTHENE	62 J	150 J	300 J	120 J	220 J	520 J	440 J
BENZOIC ACID	2100 U	2000 U	2500 U	3800 U	2600 U	2500 U	2800 U
BENZYL ALCOHOL	410 U	380 U	470 U	730 U	520 U	480 U	550 U
BIS(2-CHLOROETHOXY)METHANE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
BIS(2-CHLOROETHYL)ETHER	410 U	380 U	470 U	730 U	520 U	480 U	550 U
BIS(2-CHLOROISOPROPYL) ETHER	410 U	380 U			520 U	480 U	550 U
BIS(2-ETHYLHEXYL)PHTHALATE	410 U	380 U	470 U	3500 J	520 U	480 U	550 U
BUTYL BENZYL PHTHALATE	410 U	380 U	36 J	730 U	520 U	480 U	550 U
CARBAZOLE	410 U	380 U	470 U	730 U	32 J	480 U	550 U
CHRYSENE	65 J	220 J	360 J	110 J	340 J	780 J	350 J
DI-N-BUTYL PHTHALATE	410 U	380 U	470 U	730 U	520 U	31 J	550 U
DI-N-OCTYL PHTHALATE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
DIBENZO(A,H)ANTHRACENE	410 U	380 U	470 U	730 U	100 J	310 J	87 J
DIBENZOFURAN	410 U	380 UJ	62 J	730 U	520 U	44 J	550 U
DIETHYL PHTHALATE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
DIMETHYL PHTHALATE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
FLUORANTHENE	110 J	240 J	490	100 J	490 J	1000 J	450 J
FLUORENE	410 U	380 UJ	83 J	730 U	37 J	95 J	550 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
SEMIVOLATILES (UG/KG)							
HEXACHLOROBENZENE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
HEXACHLOROBUTADIENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
HEXACHLOROCYCLOPENTADIENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
HEXACHLOROETHANE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
INDENO(1,2,3-CD)PYRENE	41 J	140 J	260 J	86 J	200 J	550 J	200 J
ISOPHORONE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
N-NITROSO-DI-N-PROPYLAMINE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
N-NITROSODIPHENYLAMINE	410 U	380 U	470 U	730 U	520 U	480 U	550 U
NAPHTHALENE	410 U	380 UJ	73 J	730 U	520 U	480 UJ	550 U
NITROBENZENE	410 U	380 UJ	470 U	730 U	520 U	480 UJ	550 U
PENTACHLOROPHENOL	1000 U	240 J	1100 U	1800 U	1200 U	1200 U	1300 U
PHENANTHRENE	43 J	190 J	280 J	79 J	260 J	920 J	230 J
PHENOL	410 U	380 U	470 U	730 U	520 U	480 U	550 U
PYRENE	96 J	470	720	320 J	560 J	2000 J	620
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	9 J	12 R	190 J	35 J	650 J	250 J	210 J
4,4'-DDE	4.1 U	3.8 U	23 J	7.4 J	30 J	13 J	19 J
4,4'-DDT	15 R	45	85 J	7.3 UR	44	60 J	88 J
ALDRIN	2.1 U	2 U	2.4 UJ	3.8 UJ	2.7 U	2.5 U	2.8 U
ALPHA-BHC	2.1 U	2 U	2.4 U	3.8 U	2.7 U	2.5 U	2.8 U
ALPHA-CHLORDANE	4.8 J	2.9 J	5.5 J	3.8 U	2.7 U	2.5 U	7.6
AROCLOR-1016	41 U	38 U	47 U	73 U	52 U	49 U	55 U
AROCLOR-1221	84 U	77 U	96 U	150 U	100 U	99 U	110 U
AROCLOR-1232	41 U	38 U	47 U	73 U	52 U	49 U	55 U
AROCLOR-1242	41 U	38 U	47 U	73 U	52 U	49 U	55 U
AROCLOR-1248	41 U	38 U	47 U	73 U	52 U	49 U	55 U
AROCLOR-1254	41 U	38 U	47 U	73 U	52 U	49 U	55 U
AROCLOR-1260	150 J	180	47 U	73 U	52 U	49 U	55 U
BETA-BHC	2.1 U	2 U	2.4 UJ	3.8 UJ	2.7 U	2.5 U	2.8 U
DELTA-BHC	2.1 U	2 U	2.4 U	3.8 U	2.7 U	2.5 U	2.8 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
PESTICIDES/PCBs (UG/KG)							
DIELDRIN	4.1 U	3.8 U	4.7 U	7.3 U	5.2 U	4.9 U	5.5 U
ENDOSULFAN II	4.1 U	3.8 U	4.7 U	7.3 U	31 J	4.9 UJ	6.9 J
ENDOSULFAN SULFATE	4.1 U	3.8 U	4.7 U	7.3 U	5.2 U	4.9 U	5.5 U
ENDOSULFAN-I	2.4 J	2.1 J	4.8 J	3.8 U	2.7 U	2.5 U	2.8 U
ENDRIN	4.1 U	3.8 U	4.7 U	7.3 U	5.2 U	4.9 U	5.5 U
ENDRIN ALDEHYDE	4.1 U	5.6 J	4.7 U	7.3 U	16 J	4.9 UJ	5.5 U
ENDRIN KETONE	4.1 U	3.8 U	4.7 U	7.3 U	5.2 U	4.9 U	5.5 U
GAMMA-BHC (LINDANE)	2.1 U	2 U	2.4 UJ	3.8 UJ	2.7 U	2.5 U	2.8 U
GAMMA-CHLORDANE	5.7 J	3.7 J	4.5 J	3.8 U	4.8 J	2.5 UJ	5.1
HEPTACHLOR	2.8 J	2 U	2.4 U	3.8 U	2.7 U	2.5 U	2.8 U
HEPTACHLOR EPOXIDE	3.7 J	4.5	2.4 U	3.8 U	2.7 U	2.5 U	3.7 J
METHOXYCHLOR	21 U	20 U	24 UJ	38 UJ	27 U	25 U	28 U
TOXAPHENE	210 U	200 U	240 U	380 U	270 U	250 U	280 U
INORGANICS (MG/KG)							
ALUMINUM	3530	4240	6700	12800	4470	4700	6020
ANTIMONY	0.48 J	0.48 UJ	0.56 U	0.81 U	0.72 J	0.62 UJ	0.62 UJ
ARSENIC	1.9	1.6	3.4	9.1	2.5	2.5	2.2
BARIUM	27.9	33.9	57.0	42.9	46.7	56.5	73.8
BERYLLIUM	0.23	0.24	0.24 J	0.62	0.48	0.7	0.32
BORON	0.35 U	0.36 U	2.1 U	29.5	2.2 U	7.6 U	0.46 UJ
CADMIUM	0.29	0.12 J	0.37	0.34 J	0.29	0.46	0.3
CALCIUM	1130	1240	1650	3330	1510	1510	1300
CHROMIUM	8.1	9.6	15.4	39.9	15.2	16.9	19.5
COBALT	3.6	4.3	3.9	7.7	6.8	8.4	5.0
COPPER	79.6	45.5	31.4	18.8	104	101	44.9
CYANIDE			0.7 UJ	1.0 UJ			
IRON	5980	7740	12400	27500	10300	15600	12500
LEAD	23.9	28.7	71.3	16.1	123	142	42.0
MAGNESIUM	1750	2120	2770	7340	1940	2000	2860
MANGANESE	132	125	121	323	78.8	99.7	132

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T1-A	T1-B	T10-A	T10-B	T2-A	DUP-03	T2-B
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T1-A	T1-B	T10-A	T10-B	T2-A	T2-A	T2-B
SAMPLE DATE:	11/28/94	11/28/94	11/30/94	11/30/94	11/28/94	11/28/94	11/28/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:						T2-A	
INORGANICS (MG/KG)							
MERCURY	0.12 UR	0.36 J	0.28 U	0.28 U	0.17 J	0.24 J	0.32 J
NICKEL	6.6 J	9.1 J	12.7	20.8	61.5 J	53.0 J	17.0 J
POTASSIUM	890	1080	1630 J	3770 J	1120	1070	1890
SELENIUM	0.58 UJ	0.6 UJ	0.7 U	1.5 J	0.68 UJ	0.77 UJ	0.77 UJ
SILVER	0.37	0.73	0.14 U	0.2 U	0.17 J	0.22	0.15 U
SODIUM	114	215	253	3870	512	556	516
THALLIUM	0.7 U	0.72 U	0.84 U	1.2 U	0.82 U	0.92 U	0.92 U
VANADIUM	17.2 J	13.2 J	38.7	39.1	161 J	183 J	66.4 J
ZINC	63.6 J	100 J	133 J	66.5 J	225 J	378 J	95.4 J
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON	32100	24500	52400	68300		47500	63400

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,1,2,2-TETRACHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,1,2-TRICHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,1-DICHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,1-DICHLOROETHENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,2-DICHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,2-DICHLOROETHENE (TOTAL)	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
1,2-DICHLOROPROPANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
2-BUTANONE	12 U	15 U	12 U	12 U	17 U	12 U	19 UJ
2-HEXANONE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
4-METHYL-2-PENTANONE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
ACETONE	12 U	18 U	12 U	12 U	30 U	12 U	19 U
BENZENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
BROMODICHLOROMETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
BROMOFORM	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
BROMOMETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CARBON DISULFIDE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CARBON TETRACHLORIDE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CHLOROBENZENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CHLOROETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CHLOROFORM	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CHLOROMETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
CIS-1,3-DICHLOROPROPENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
DIBROMOCHLOROMETHANE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
ETHYLBENZENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
METHYLENE CHLORIDE	12 U	19 U	24 U	35 U	39 U	29 U	62 U
STYRENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
TETRACHLOROETHENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
TOLUENE	12 U	3 J	12 U	12 U	14 U	12 U	3 J

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
TRICHLOROETHENE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
VINYL ACETATE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
VINYL CHLORIDE	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
XYLENES, TOTAL	12 U	15 U	12 U	12 U	14 U	12 U	19 UJ
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
1,2-DICHLOROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
1,3-DICHLOROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
1,4-DICHLOROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2,4,5-TRICHLOROPHENOL	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
2,4,6-TRICHLOROPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2,4-DICHLOROPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2,4-DIMETHYLPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2,4-DINITROPHENOL	950 U	1200 UJ	930 UJ	960 UJ	1200 UJ	930 UJ	1500 UJ
2,4-DINITROTOLUENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2,6-DINITROTOLUENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2-CHLORONAPHTHALENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2-CHLOROPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2-METHYLNAPHTHALENE	55 J	500 U	380 U	400 U	480 U	380 U	620 U
2-METHYLPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
2-NITROANILINE	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
2-NITROPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
3,3'-DICHLOROBENZIDINE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
3-NITROANILINE	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
4,6-DINITRO-2-METHYLPHENOL	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
4-BROMOPHENYL PHENYL ETHER	390 U	500 U	380 U	400 U	480 U	380 U	620 U
4-CHLORO-3-METHYLPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
4-CHLOROANILINE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
4-CHLOROPHENYL PHENYL ETHER	390 U	500 U	380 U	400 U	480 U	380 U	620 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-METHYLPHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
4-NITROANILINE	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
4-NITROPHENOL	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
ACENAPHTHENE	58 J	500 U	380 U	400 U	220 J	380 U	620 U
ACENAPHTHYLENE	390	70 J	380 U	400 U	34 J	380 U	52 J
ANTHRACENE	450	90 J	45 J	400 U	43 J	380 U	56 J
BENZO(A)ANTHRACENE	3000	480 J	120 J	77 J	180 J	25 J	190 J
BENZO(A)PYRENE	2600	480 J	130 J	74 J	220 J	30 J	230 J
BENZO(B)FLUORANTHENE	390 U	420 J	130 J	85 J	210 J	44 J	220 J
BENZO(G,H,I)PERYLENE	1100	320 J	100 J	66 J	230 J	27 J	250 J
BENZO(K)FLUORANTHENE	3700	510	130 J	75 J	270 J	380 U	330 J
BENZOIC ACID	2000 U	2600 U	1800 U	2000 U	2400 U	2000 U	3200 U
BENZYL ALCOHOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
BIS(2-CHLOROETHOXY)METHANE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
BIS(2-CHLOROETHYL)ETHER	390 U	500 U	380 U	400 U	480 U	380 U	620 U
BIS(2-CHLOROISOPROPYL) ETHER	390 U	500 U	380 U	400 U	480 U	380 U	620 U
BIS(2-ETHYLHEXYL)PHTHALATE	400 U	500 U	380 U	400 U	480 U	380 U	620 U
BUTYL BENZYL PHTHALATE	390 U	61 J	21 J	400 U	480 U	380 U	50 J
CARBAZOLE	57 J	32 J	25 J	400 U	130 J	380 U	43 J
CHRYSENE	3700	590	150 J	90 J	280 J	38 J	300 J
DI-N-BUTYL PHTHALATE	390 U	63 J	26 J	23 J	44 J	26 J	56 J
DI-N-OCTYL PHTHALATE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
DIBENZO(A,H)ANTHRACENE	390 U	170 J	380 U	400 U	480 U	380 U	86 J
DIBENZOFURAN	35 J	500 U	380 U	400 U	72 J	380 U	620 U
DIETHYL PHTHALATE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
DIMETHYL PHTHALATE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
FLUORANTHENE	4200	890	260 J	180 J	520	56 J	500 J
FLUORENE	160 J	38 J	21 J	400 U	29 J	380 U	620 U
HEXACHLOROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROBUTADIENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
HEXACHLOROCYCLOPENTADIENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
HEXACHLOROETHANE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
INDENO(1,2,3-CD)PYRENE	1000	300 J	92 J	57 J	180 J	22 J	210 J
ISOPHORONE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
N-NITROSO-DI-N-PROPYLAMINE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
N-NITROSODIPHENYLAMINE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
NAPHTHALENE	56 J	500 U	380 U	400 U	76 J	380 U	620 U
NITROBENZENE	390 U	500 U	380 U	400 U	480 U	380 U	620 U
PENTACHLOROPHENOL	950 U	1200 U	930 U	960 U	1200 U	930 U	1500 U
PHENANTHRENE	1800	320 J	180 J	93 J	240 J	22 J	200 J
PHENOL	390 U	500 U	380 U	400 U	480 U	380 U	620 U
PYRENE	4600	910	220 J	150 J	440 J	46 J	470 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	390	1400	3.8 U	4.5 J	1300	3.8 U	46 R
4,4'-DDE	260	330	3.8 U	4 U	57 J	3.8 U	10 J
4,4'-DDT	890	2900	3.8 U	4 U	380	4.4 J	55 R
ALDRIN	20 U	26 U	2 U	2 U	3.2 J	2 U	3.2 U
ALPHA-BHC	20 U	26 U	2 U	2 U	12 U	2 U	3.2 U
ALPHA-CHLORDANE	4.4 J	12 J	2 U	2 U	13	2 U	29
AROCLOR-1016	390 U	500 U	38 U	40 U	240 U	38 U	62 U
AROCLOR-1221	800 U	1000 U	78 U	81 U	490 U	78 U	130 U
AROCLOR-1232	390 U	500 U	38 U	40 U	240 U	38 U	62 U
AROCLOR-1242	390 U	500 U	38 U	40 U	240 U	38 U	62 U
AROCLOR-1248	390 U	500 U	38 U	40 U	240 U	38 U	62 U
AROCLOR-1254	390 U	500 U	38 U	40 U	240 U	38 U	62 U
AROCLOR-1260	390 U	500 U	38 U	40 U	240 U	38 U	1400
BETA-BHC	20 U	26 U	2 UJ	2 UJ	2.7 J	2 UJ	3.2 U
DELTA-BHC	20 U	26 U	2 U	2 U	4.2 J	2 U	3.2 U
DIELDRIN	39 U	50 U	3.8 U	4 U	8.4 J	3.8 U	26

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN II	39 U	50 U	3.8 U	4 U	24 U	3.8 U	48 R
ENDOSULFAN SULFATE	14 J	50 U	3.8 U	4 U	6.9 J	3.8 U	9.7 R
ENDOSULFAN-I	11 J	26 U	2 U	2 U	12 U	2 U	3.2 U
ENDRIN	39 U	50 U	3.8 U	4 U	16 J	3.8 U	8.2 J
ENDRIN ALDEHYDE	39 U	16 J	3.8 UJ	4 UJ	10 J	3.8 UJ	22 R
ENDRIN KETONE	39 U	50 U	3.8 U	4 U	20 J	3.8 U	5.4 R
GAMMA-BHC (LINDANE)	20 U	26 U	2 U	2 U	3.5 J	2 U	3.2 U
GAMMA-CHLORDANE	20 U	13 J	2 U	2 U	8.7 J	2 U	21 J
HEPTACHLOR	20 U	26 U	2 U	2 U	4.5 J	2 U	3.2 U
HEPTACHLOR EPOXIDE	20 U	26 U	2 U	2 U	2.2 J	2 U	3.2 U
METHOXYCHLOR	200 U	260 U	20 U	20 U	38 J	20 U	31 R
TOXAPHENE	2000 U	2600 U	200 U	200 U	1200 U	200 U	320 U
INORGANICS (MG/KG)							
ALUMINUM	3820	5040	3670	2980	5080	2690	15800
ANTIMONY	0.53 UJ	0.58 UJ	0.47 UJ	0.47 UJ	0.6 UJ	0.47 UJ	0.85 UJ
ARSENIC	3.0	2.6	1.4	1.4	2.1	1.0 J	7.2
BARIUM	28.8	38.4	29.2	41.1	59.4	11.9	113
BERYLLIUM	0.21 J	0.33	0.16 J	0.14 J	0.26 J	0.14 J	1.3
BORON	0.4 U	0.51 U	0.35 U	0.36 U	1.3 U	0.35 U	0.64 UJ
CADMIUM	0.26	0.43	0.12 U	0.21 J	0.15 U	0.12 U	0.72
CALCIUM	900	868	1060	934	1630	1220	3290
CHROMIUM	8.6	11.1	8.0	7.0	15.0	7.7	44.5
COBALT	4.4	7.9	3.0	3.2	4.2	3.3	10.0
COPPER	34.5	52.6	14.7	36.7	28.4	19.5	133
CYANIDE			1.5	0.59 U	0.9 J	0.9 J	2.0 J
IRON	9390	8020	5800	5630	10600	5660	47500
LEAD	32.1	61.5	26.5	32.4	40.6	16.2	141
MAGNESIUM	1650	2200	1770	1570	2280	1820	5550
MANGANESE	310	99.8	90.1	55.3	101	89.3	285
MERCURY	0.15 J	0.19 J	0.12 UR	0.12 UR	0.15 UR	0.12 UR	0.21 UR

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T3-A	T3-B	T4-A	T4-B	T5-A	T5-B	T6-A
SAMPLE DATE:	11/28/94	11/28/94	11/29/94	11/29/94	11/29/94	11/29/94	11/29/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
NICKEL	8.6 J	18.9 J	6.7 J	10.3 J	13.8 J	8.5 J	29.0 J
POTASSIUM	813	1100	1120	926	1290	659	2980
SELENIUM	0.67 UJ	0.73 UJ	0.59 UJ	0.59 UJ	0.75 UJ	0.58 UJ	1.1 UJ
SILVER	0.13 U	0.15 U	0.12 U	0.12 U	0.15 U	0.12 U	0.96
SODIUM	285	1050	250	462	2480	388	1130
THALLIUM	0.8 U	0.87 U	0.71 U	0.71 U	0.9 U	0.7 U	1.3 U
VANADIUM	17.0 J	18.5 J	12.8 J	11.2 J	37.4 J	8.9 J	176 J
ZINC	87.4 J	284 J	39.2 J	45.1 J	68.2 J	35.0 J	213 J
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON	31100	33500	9960	8420	16900	9410	11200

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,1,2,2-TETRACHLOROETHANE	19 UJ	24 UJ	19 U	67 UR	21 U	22 U	17 UJ
1,1,2-TRICHLOROETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,1-DICHLOROETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,1-DICHLOROETHENE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,2-DICHLOROETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,2-DICHLOROETHENE (TOTAL)	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
1,2-DICHLOROPROPANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
2-BUTANONE	19 U	21 U	37 U	120 UR	27 U	1400	34 U
2-HEXANONE	19 UJ	24 UJ	19 U	67 UR	21 U	22 U	17 UJ
4-METHYL-2-PENTANONE	19 UJ	24 UJ	19 U	67 UR	21 U	22 U	17 UJ
ACETONE	19 U	40 U	76 U	260 UR	67 U	110 U	90 U
BENZENE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
BROMODICHLOROMETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
BROMOFORM	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
BROMOMETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CARBON DISULFIDE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CARBON TETRACHLORIDE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CHLOROBENZENE	19 UJ	3 J	19 U	14 J	21 U	22 U	17 UJ
CHLOROETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CHLOROFORM	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CHLOROMETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
CIS-1,3-DICHLOROPROPENE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
DIBROMOCHLOROMETHANE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
ETHYLBENZENE	19 UJ	24 UJ	19 U	67 UR	21 U	22 U	17 UJ
METHYLENE CHLORIDE	61 U	74 U	38 U	210 UR	21 U	42 U	17 U
STYRENE	19 UJ	24 UJ	19 U	67 UR	21 U	22 UJ	17 UJ
TETRACHLOROETHENE	19 UJ	24 UJ	19 U	67 UR	21 U	22 U	17 UJ
TOLUENE	3 J	24 UJ	5 J	67 UR	21 U	6 J	17 UJ

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
TRICHLOROETHENE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
VINYL ACETATE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
VINYL CHLORIDE	19 U	24 U	19 U	67 UR	21 U	22 U	17 U
XYLENES, TOTAL	19 UJ	3 J	19 U	67 UR	21 U	22 UJ	17 UJ
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
1,2-DICHLOROBENZENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
1,3-DICHLOROBENZENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
1,4-DICHLOROBENZENE	630 UJ	42 J	620 U	2200 UR	690 U	730 U	570 U
2,2'-OXYBIS(1-CHLOROPROPANE)					690 U	730 U	570 U
2,4,5-TRICHLOROPHENOL	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
2,4,6-TRICHLOROPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2,4-DICHLOROPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2,4-DIMETHYLPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	210 J	570 U
2,4-DINITROPHENOL	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
2,4-DINITROTOLUENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2,6-DINITROTOLUENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2-CHLORONAPHTHALENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2-CHLOROPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2-METHYLNAPHTHALENE	630 UJ	800 UJ	620 U	2200 UR	49 J	730 U	51 J
2-METHYLPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
2-NITROANILINE	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
2-NITROPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
3,3'-DICHLOROBENZIDINE	630 U	800 U	620 U	2200 UR	690 U	730 U	570 UJ
3-NITROANILINE	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
4,6-DINITRO-2-METHYLPHENOL	1500 UJ	2000 U	1500 U	5300 UR	1700 U	1800 U	1400 U
4-BROMOPHENYL PHENYL ETHER	630 UJ	800 U	620 U	2200 UR	690 U	730 U	570 U
4-CHLORO-3-METHYLPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
4-CHLOROANILINE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
SEMIVOLATILES (UG/KG)							
4-CHLOROPHENYL PHENYL ETHER	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
4-METHYLPHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	43 J
4-NITROANILINE	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
4-NITROPHENOL	1500 UJ	2000 UJ	1500 U	5300 UR	1700 U	1800 U	1400 U
ACENAPHTHENE	630 UJ	110 J	77 J	380 J	35 J	730 U	48 J
ACENAPHTHYLENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
ANTHRACENE	34 J	800 U	79 J	2200 UR	71 J	38 J	34 J
BENZO(A)ANTHRACENE	280 J	140 J	390 J	240 J	370 J	210 J	140 J
BENZO(A)PYRENE	310 J	160 J	430 J	340 J	340 J	210 J	160 J
BENZO(B)FLUORANTHENE	390 J	240 J	430 J	370 J	370 J	210 J	130 J
BENZO(G,H,I)PERYLENE	420 J	290 J	350 J	340 J	300 J	180 J	220 J
BENZO(K)FLUORANTHENE	240 J	140 J	320 J	270 J	350 J	210 J	140 J
BENZOIC ACID	3200 U	4100 U	3200 U	11000 UR	3500 U	3800 U	3000 U
BENZYL ALCOHOL	630 U	800 U	620 U	2200 UR	690 UJ	730 U	570 UJ
BIS(2-CHLOROETHOXY)METHANE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
BIS(2-CHLOROETHYL)ETHER	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
BIS(2-CHLOROISOPROPYL) ETHER	630 UJ	800 UJ	620 U	2200 UR			
BIS(2-ETHYLHEXYL)PHTHALATE	630 U	800 U	620 U	4900 UR	690 U	730 U	570 U
BUTYL BENZYL PHTHALATE	630 U	800 U	620 U	390 J	690 U	730 U	570 UJ
CARBAZOLE	630 UJ	800 U	620 U	2200 UR	690 U	730 U	570 U
CHRYSENE	430 J	230 J	410 J	340 J	490 J	280 J	230 J
DI-N-BUTYL PHTHALATE	34 J	800 U	33 J	2200 UR	690 U	730 U	570 U
DI-N-OCTYL PHTHALATE	630 U	800 U	620 U	2200 UR	690 UJ	730 U	570 UJ
DIBENZO(A,H)ANTHRACENE	630 U	800 U	130 J	2200 UR	690 UJ	730 U	72 J
DIBENZOFURAN	630 UJ	68 J	55 J	280 J	40 J	730 U	35 J
DIETHYL PHTHALATE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
DIMETHYL PHTHALATE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
FLUORANTHENE	330 J	200 J	650	560 J	520 J	310 J	160 J
FLUORENE	630 UJ	69 J	90 J	340 J	79 J	730 U	47 J

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
SEMIVOLATILES (UG/KG)							
HEXACHLOROBENZENE	630 UJ	800 U	620 U	2200 UR	690 U	730 U	570 U
HEXACHLOROBUTADIENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
HEXACHLOROCYCLOPENTADIENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
HEXACHLOROETHANE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
INDENO(1,2,3-CD)PYRENE	330 J	220 J	360 J	350 J	260 J	150 J	140 J
ISOPHORONE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
N-NITROSO-DI-N-PROPYLAMINE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
N-NITROSODIPHENYLAMINE	630 UJ	800 U	620 U	2200 UR	690 U	730 U	570 U
NAPHTHALENE	630 UJ	800 UJ	620 U	2200 UR	57 J	730 U	77 J
NITROBENZENE	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
PENTACHLOROPHENOL	1500 UJ	2000 U	1500 U	5300 UR	1700 U	1800 U	1400 U
PHENANTHRENE	220 J	140 J	350 J	300 J	260 J	180 J	160 J
PHENOL	630 UJ	800 UJ	620 U	2200 UR	690 U	730 U	570 U
PYRENE	900 J	370 J	530 J	450 J	1300	630 J	430 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	49 R	410	6.2 U	22 UR	86 J	7.3 UJ	630 J
4,4'-DDE	15 J	38	6.2 U	140 J	19 J	7.3 UJ	49 J
4,4'-DDT	39 R	8 U	6.2 U	23 R	6.9 UR	7.3 UJ	5.7 UR
ALDRIN	3.3 U	4.1 U	3.2 U	11 UR	3.5 UJ	3.8 UJ	2.9 UJ
ALPHA-BHC	3.3 U	4.1 U	3.2 U	11 UR	3.5 U	3.8 U	2.9 U
ALPHA-CHLORDANE	29	15 J	3.2 U	22 J	3.5 U	3.8 U	6 J
AROCLOR-1016	63 U	80 U	62 U	220 UR	69 U	73 U	57 U
AROCLOR-1221	130 U	160 U	130 U	450 UR	140 U	150 U	120 U
AROCLOR-1232	63 U	80 U	62 U	220 UR	69 U	73 U	57 U
AROCLOR-1242	63 U	80 U	62 U	220 UR	69 U	73 U	57 U
AROCLOR-1248	63 U	80 U	62 U	220 UR	69 U	73 U	57 U
AROCLOR-1254	63 U	80 U	62 U	220 UR	69 U	73 U	57 U
AROCLOR-1260	1500	530	82 J	550 J	69 U	73 U	57 U
BETA-BHC	3.3 U	4.1 U	3.2 U	11 UR	3.5 UJ	3.8 UJ	2.9 UJ
DELTA-BHC	3.3 U	4.1 U	3.2 U	11 UR	3.5 U	3.8 U	2.9 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
PESTICIDES/PCBs (UG/KG)							
DIELDRIN	23	8 U	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
ENDOSULFAN II	50 R	17 R	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
ENDOSULFAN SULFATE	10 R	8 U	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
ENDOSULFAN-I	3.3 U	4.1 U	3.2 U	11 UR	3.5 U	3.8 U	2.9 U
ENDRIN	7.8 J	8 U	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
ENDRIN ALDEHYDE	23 R	8 U	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
ENDRIN KETONE	12 R	8 U	6.2 U	22 UR	6.9 U	7.3 U	5.7 U
GAMMA-BHC (LINDANE)	3.3 U	4.1 U	3.2 U	11 UR	3.5 UJ	3.8 UJ	2.9 UJ
GAMMA-CHLORDANE	23 J	11 J	3.2 U	11 UR	3.5 U	3.8 U	2.9 U
HEPTACHLOR	3.3 U	4.1 U	3.2 U	11 UR	3.5 U	3.8 U	2.9 U
HEPTACHLOR EPOXIDE	3.3 U	4.1 U	3.2 U	11 UR	3.5 U	3.8 U	2.9 U
METHOXYCHLOR	39 R	41 U	32 U	110 UR	35 UJ	38 UJ	29 UJ
TOXAPHENE	330 U	410 U	320 U	1100 UR	350 U	380 U	290 U
INORGANICS (MG/KG)							
ALUMINUM	14800	9820	7150	27100 J	14200	19900	18100
ANTIMONY	0.77 UJ	1.1 J	1.2 J	3.1 UR	0.84 U	0.95 U	0.72 U
ARSENIC	8.1	4.8	2.5	8.1 J	11.0	14.1	7.2
BARIUM	120	94.1	124	318 J	53.4	77.9	86.8
BERYLLIUM	1.2	1.3	0.28 J	4.1 J	0.66	0.98	0.81
BORON	0.58 UJ	0.77 UJ	0.9 U	2.3 UR	28.7	39.3	14.7
CADMIUM	0.63	0.68	0.23 J	1.6 J	0.41 J	0.47 J	0.57
CALCIUM	2960	2230	3350	5330 J	2790	3610	2640
CHROMIUM	49.8	40.2	13.7	44.3 J	80.3	96.8	48.5
COBALT	9.2	4.7	8.1	13.6 J	8.1	9.6	8.1
COPPER	114	82.0	33.8	173 J	48.4	64.2	48.1
CYANIDE	2.1	1.8 J	1.1 U	6.1 J	1.1 UJ	1.2 UJ	0.9 UJ
IRON	53100	35700	19200	198000 J	24500	37100	25500
LEAD	109	78.4	17.4	110 J	61.2	66.6	40.6
MAGNESIUM	4800	2660	4170	3900 J	7230	9150	6100
MANGANESE	271	134	154	269 J	240	338	313

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	DUP-5	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	T6-A	T6-B	T7-A	T7-B	T8-A	T8-B	T9-A
SAMPLE DATE:	11/29/94	11/29/94	11/29/94	11/29/94	11/30/94	11/30/94	11/30/94
INVESTIGATION:	FFS	FFS	FFS	FFS	FFS	FFS	FFS
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	T6-A						
INORGANICS (MG/KG)							
MERCURY	0.43 J	1.2 J	0.44 J	0.76 UR	0.4 U	0.51 U	0.27 U
NICKEL	26.2 J	15.8 J	12.2 J	47.7 J	21.7	27.8	20.7
POTASSIUM	2650	1490	3000	2030 J	3880 J	5170 J	3300 J
SELENIUM	2.2 J	1.3 UJ	1.1 UJ	6.8 J	2.2 J	3.0 J	1.8 J
SILVER	0.81	0.85	0.22 U	0.86 J	0.33 J	0.47 J	0.18 J
SODIUM	966	725	926	1410 J	2980	3320	1930
THALLIUM	1.2 U	1.5 U	1.3 U	4.6 UR	1.3 U	1.4 U	1.1 U
VANADIUM	152 J	120 J	38.2 J	203 J	45.3	59.5	49.0
ZINC	195 J	172 J	76.3 J	702 J	73.0 J	95.5 J	132 J
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON	32600	25000	54800	63000	84100	79600	34700

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	21 U						
1,1,2,2-TETRACHLOROETHANE	21 U						
1,1,2-TRICHLOROETHANE	21 U						
1,1-DICHLOROETHANE	21 U						
1,1-DICHLOROETHENE	21 U						
1,2-DICHLOROETHANE	21 U						
1,2-DICHLOROETHENE (TOTAL)	21 U						
1,2-DICHLOROPROPANE	21 U						
2-BUTANONE	59						
2-HEXANONE	21 U						
4-METHYL-2-PENTANONE	21 U						
ACETONE	21 U						
BENZENE	21 U						
BROMODICHLOROMETHANE	21 U						
BROMOFORM	21 U						
BROMOMETHANE	21 U						
CARBON DISULFIDE	3 J						
CARBON TETRACHLORIDE	21 U						
CHLOROBENZENE	21 U						
CHLOROETHANE	21 U						
CHLOROFORM	21 U						
CHLOROMETHANE	21 U						
CIS-1,3-DICHLOROPROPENE	21 U						
DIBROMOCHLOROMETHANE	21 U						
ETHYLBENZENE	21 U						
METHYLENE CHLORIDE	21 U						
STYRENE	21 U						
TETRACHLOROETHENE	21 U						
TOLUENE	21 U						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TRANS-1,3-DICHLOROPROPENE	21 U						
TRICHLOROETHENE	21 U						
VINYL ACETATE	21 U						
VINYL CHLORIDE	21 U						
XYLENES, TOTAL	21 U						
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	700 U						
1,2-DICHLOROBENZENE	700 U						
1,3-DICHLOROBENZENE	700 U						
1,4-DICHLOROBENZENE	700 U						
2,2'-OXYBIS(1-CHLOROPROPANE)	700 U						
2,4,5-TRICHLOROPHENOL	1700 U						
2,4,6-TRICHLOROPHENOL	700 U						
2,4-DICHLOROPHENOL	700 U						
2,4-DIMETHYLPHENOL	700 U						
2,4-DINITROPHENOL	1700 U						
2,4-DINITROTOLUENE	700 U						
2,6-DINITROTOLUENE	700 U						
2-CHLORONAPHTHALENE	700 U						
2-CHLOROPHENOL	700 U						
2-METHYLNAPHTHALENE	700 U						
2-METHYLPHENOL	700 U						
2-NITROANILINE	1700 U						
2-NITROPHENOL	700 U						
3,3'-DICHLOROBENZIDINE	700 U						
3-NITROANILINE	1700 U						
4,6-DINITRO-2-METHYLPHENOL	1700 U						
4-BROMOPHENYL PHENYL ETHER	700 U						
4-CHLORO-3-METHYLPHENOL	700 U						
4-CHLOROANILINE	700 U						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-CHLOROPHENYL PHENYL ETHER	700 U						
4-METHYLPHENOL	700 U						
4-NITROANILINE	1700 U						
4-NITROPHENOL	1700 U						
ACENAPHTHENE	700 U						
ACENAPHTHYLENE	700 U						
ANTHRACENE	52 J						
BENZO(A)ANTHRACENE	230 J						
BENZO(A)PYRENE	260 J						
BENZO(B)FLUORANTHENE	240 J						
BENZO(G,H,I)PERYLENE	190 J						
BENZO(K)FLUORANTHENE	200 J						
BENZOIC ACID	3600 U						
BENZYL ALCOHOL	700 U						
BIS(2-CHLOROETHOXY)METHANE	700 U						
BIS(2-CHLOROETHYL)ETHER	700 U						
BIS(2-ETHYLHEXYL)PHTHALATE	700 U						
BUTYL BENZYL PHTHALATE	700 U						
CARBAZOLE	700 U						
CHRYSENE	260 J						
DI-N-BUTYL PHTHALATE	700 U						
DI-N-OCTYL PHTHALATE	700 U						
DIBENZO(A,H)ANTHRACENE	700 U						
DIBENZOFURAN	700 U						
DIETHYL PHTHALATE	700 U						
DIMETHYL PHTHALATE	700 U						
FLUORANTHENE	220 J						
FLUORENE	700 U						
HEXACHLOROBENZENE	700 U						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
HEXACHLOROBUTADIENE	700 U						
HEXACHLOROCYCLOPENTADIENE	700 U						
HEXACHLOROETHANE	700 U						
INDENO(1,2,3-CD)PYRENE	170 J						
ISOPHORONE	700 U						
N-NITROSO-DI-N-PROPYLAMINE	700 U						
N-NITROSODIPHENYLAMINE	700 U						
NAPHTHALENE	700 U						
NITROBENZENE	700 U						
PENTACHLOROPHENOL	1700 U						
PHENANTHRENE	140 J						
PHENOL	700 U						
PYRENE	690 J						
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	7 UJ						
4,4'-DDE	7 UJ						
4,4'-DDT	7 UJ						
ALDRIN	3.6 UJ						
ALPHA-BHC	3.6 U						
ALPHA-CHLORDANE	3.6 U						
AROCLOR-1016	70 U						
AROCLOR-1221	140 U						
AROCLOR-1232	70 U						
AROCLOR-1242	70 U						
AROCLOR-1248	70 U						
AROCLOR-1254	70 U						
AROCLOR-1260	70 U						
BETA-BHC	3.6 UJ						
DELTA-BHC	3.6 U						
DIELDRIN	7 U						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
ENDOSULFAN II	7 U						
ENDOSULFAN SULFATE	7 U						
ENDOSULFAN-I	3.6 U						
ENDRIN	7 U						
ENDRIN ALDEHYDE	7 U						
ENDRIN KETONE	7 U						
GAMMA-BHC (LINDANE)	3.6 UJ						
GAMMA-CHLORDANE	3.6 U						
HEPTACHLOR	3.6 U						
HEPTACHLOR EPOXIDE	3.6 U						
METHOXYCHLOR	36 UJ						
TOXAPHENE	360 U						
INORGANICS (MG/KG)							
ALUMINUM	15100						
ANTIMONY	0.85 U						
ARSENIC	10.8						
BARIUM	47.7						
BERYLLIUM	0.73						
BORON	39.6						
CADMIUM	0.43 J						
CALCIUM	4110						
CHROMIUM	59.9						
COBALT	9.0						
COPPER	37.2						
CYANIDE	1.1 UJ						
IRON	30300						
LEAD	39.3						
MAGNESIUM	8450						
MANGANESE	355						
MERCURY	0.21 UJ						

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	T9-B						
DEPTH (feet):	0 - 1	-	-	-	-	-	-
LOCATION:	T9-B						
SAMPLE DATE:	11/30/94						
INVESTIGATION:	FFS						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
NICKEL	23.8						
POTASSIUM	4410 J						
SELENIUM	1.9 J						
SILVER	0.21 U						
SODIUM	4980						
THALLIUM	1.3 U						
VANADIUM	43.8						
ZINC	82.8 J						
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON	61600						

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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1,2,2-TETRACHLOROETHANE	5 U	10 U		10 U		10 U	
1,1,2-TRICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1-DICHLOROETHANE	5 U	10 U		10 U		10 U	
1,1-DICHLOROETHENE	5 U	10 U		10 U		10 U	
1,2-DICHLOROETHANE	5 U	10 U		10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)	5 U	10 U		10 U		10 U	
1,2-DICHLOROPROPANE	5 U	10 U		10 U		10 U	
2-BUTANONE	10 U	10 U		10 U		10 U	
2-HEXANONE	10 U	10 U		10 U		10 U	
4-METHYL-2-PENTANONE	10 U	10 U		10 U		10 U	
ACETONE	10 U	10 U		10 U		11 U	
BENZENE	5 U	10 U		10 U		10 U	
BROMODICHLOROMETHANE	5 U	10 U		10 U		10 U	
BROMOFORM	5 U	10 U		10 U		10 U	
BROMOMETHANE	10 U	10 U		10 U		10 U	
CARBON DISULFIDE	5 U	10 U		10 U		2 J	
CARBON TETRACHLORIDE	5 U	10 U		10 U		10 U	
CHLOROBENZENE	5 U	10 U		10 U		10 U	
CHLOROETHANE	10 U	10 U		10 U		10 U	
CHLOROFORM	5 U	10 U		10 U		10 U	
CHLOROMETHANE	10 U	10 U		10 U		10 U	
CIS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		10 U	
DIBROMOCHLOROMETHANE	5 U	10 U		10 U		10 U	
ETHYLBENZENE	5 U	10 U		10 U		10 U	
METHYLENE CHLORIDE	5 U	10 U		10 U		10 U	
STYRENE	5 U	10 U		10 U		10 U	
TETRACHLOROETHENE	5 U	10 U		10 U		10 U	
TOLUENE	5 U	10 U		10 U		10 U	
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	5 U	10 U		10 U		10 U	
VINYL ACETATE	10 U	10 U		10 U		10 U	
VINYL CHLORIDE	10 U	10 U		10 U		10 U	
XYLENES, TOTAL	5 U	10 U		10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,2-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,3-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
1,4-DICHLOROBENZENE	10 U	10 U		10 U		10 U	
2,4,5-TRICHLOROPHENOL	50 U	25 U		25 UJ		25 U	
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 UJ		10 U	
2,4-DICHLOROPHENOL	10 U	10 U		10 U		10 U	
2,4-DIMETHYLPHENOL	10 U	10 U		10 U		10 U	
2,4-DINITROPHENOL	50 U	25 U		25 UJ		25 U	
2,4-DINITROTOLUENE	10 U	10 U		10 UJ		10 U	
2,6-DINITROTOLUENE	10 U	10 U		10 UJ		10 U	
2-CHLORONAPHTHALENE	10 U	10 U		10 UJ		10 U	
2-CHLOROPHENOL	10 U	10 U		10 U		10 U	
2-METHYLNAPHTHALENE	10 U	10 U		10 U		10 U	
2-METHYLPHENOL	10 U	10 U		10 U		10 U	
2-NITROANILINE	50 U	25 U		25 UJ		25 U	
2-NITROPHENOL	10 U	10 U		10 U		10 U	
3,3'-DICHLOROBENZIDINE	20 U	10 U		10 UJ		10 U	
3-NITROANILINE	50 U	25 U		25 UJ		25 U	
4,6-DINITRO-2-METHYLPHENOL	50 U	25 U		25 UJ		25 U	
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 UJ		10 U	
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U		10 U	
4-CHLOROANILINE	10 U	10 U		10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 UJ		10 U	
4-METHYLPHENOL	10 U	10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	25 U		25 UJ		25 U	
4-NITROPHENOL	50 U	25 U		25 UJ		25 U	
ACENAPHTHENE	10 U	10 U		10 UJ		10 U	
ACENAPHTHYLENE	10 U	10 U		10 UJ		10 U	
ANTHRACENE	10 U	10 U		10 UJ		10 U	
BENZO(A)ANTHRACENE	10 U	10 U		10 UJ		10 U	
BENZO(A)PYRENE	10 U	10 U		10 UJ		10 U	
BENZO(B)FLUORANTHENE	10 U	10 U		10 UJ		10 U	
BENZO(G,H,I)PERYLENE	10 U	10 U		10 UJ		10 U	
BENZO(K)FLUORANTHENE	10 U	10 U		10 UJ		10 U	
BENZOIC ACID	50 U	50 U		25 UJ		50 U	
BENZYL ALCOHOL	10 U	10 U		10 UJ		10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U		10 U		10 U	
BIS(2-CHLOROETHYL)ETHER	10 U	10 U		10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U		10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U		10 UJ		10 U	
BUTYL BENZYL PHTHALATE	10 U	10 U		10 UJ		10 U	
CARBAZOLE		10 U		10 UJ		10 U	
CHRYSENE	10 U	10 U		10 UJ		10 U	
DI-N-BUTYL PHTHALATE	10 U	10 U		10 UJ		10 U	
DI-N-OCTYL PHTHALATE	10 U	0.6 J		10 UJ		10 U	
DIBENZO(A,H)ANTHRACENE	10 U	10 U		10 UJ		10 U	
DIBENZOFURAN	10 U	10 U		10 UJ		10 U	
DIETHYL PHTHALATE	10 U	10 U		10 UJ		10 U	
DIMETHYL PHTHALATE	10 U	10 U		10 UJ		10 U	
FLUORANTHENE	10 U	10 U		10 UJ		10 U	
FLUORENE	10 U	10 U		10 UJ		10 U	
HEXACHLOROBENZENE	10 U	10 U		10 UJ		10 U	
HEXACHLOROBUTADIENE	10 U	10 U		10 U		10 U	
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 UJ		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U		10 U		10 U	
INDENO(1,2,3-CD)PYRENE	10 U	10 U		10 UJ		10 U	
ISOPHORONE	10 U	10 U		10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U		10 UR		10 U	
N-NITROSODIPHENYLAMINE	10 U	10 U		10 UJ		10 U	
NAPHTHALENE	10 U	10 U		10 U		10 U	
NITROBENZENE	10 U	10 U		10 U		10 U	
PENTACHLOROPHENOL	50 U	25 U		25 UJ		25 U	
PHENANTHRENE	10 U	10 U		10 UJ		10 U	
PHENOL	10 U	10 U		10 U		10 U	
PYRENE	10 U	10 U		10 UJ		10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U						
4,4'-DDE	0.1 U						
4,4'-DDT	0.1 U						
ALDRIN	0.05 U						
ALPHA-BHC	0.05 U						
ALPHA-CHLORDANE	0.5 U						
AROCLOR-1016	0.5 U						
AROCLOR-1221	0.5 U						
AROCLOR-1232	0.5 U						
AROCLOR-1242	0.5 U						
AROCLOR-1248	0.5 U						
AROCLOR-1254	1 U						
AROCLOR-1260	1 U						
BETA-BHC	0.05 U						
DELTA-BHC	0.05 U						
DIELDRIN	0.1 U						
ENDOSULFAN II	0.1 U						
ENDOSULFAN SULFATE	0.1 U						

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.05 U						
ENDRIN	0.1 U						
ENDRIN KETONE	0.1 U						
GAMMA-BHC (LINDANE)	0.05 U						
GAMMA-CHLORDANE	0.5 U						
HEPTACHLOR	0.05 U						
HEPTACHLOR EPOXIDE	0.05 U						
METHOXYCHLOR	0.5 U						
TOXAPHENE	1 U						
INORGANICS (UG/L)							
ALUMINUM	30.0 U	150 U	15.0 U	154	45.9 U	216	36.5
ANTIMONY	25.0 U	13.0 U	13.0 U	12.0 R	12.0 R	15.0 UR	15.0 UR
ARSENIC	3.0 U	3.4 J	2.6 J	5.0 U	5.0 U	109 J	138
BARIUM	16.0	52.6 J	44.8	41.3	33.6	263 J	252 J
BERYLLIUM	1.0 U	1.0 U	1.3 U	1.0 U	1.0 U	1.3 J	1.2 J
BORON	1.3 R	40.1 U	50.0 U	32.5 U	36.7 U	3260 J	3340 J
CADMIUM	2.0 U	3.0 U	3.0 U	2.0 U	2.0 U	3.0 UJ	3.6 R
CALCIUM	9330	40300	39900	52100	49800	266000 J	277000
CHROMIUM	5.0 U	4.0 U	4.0 U	3.5 J	3.0 U	3.6 J	5.7 U
COBALT	5.0 U	7.2 J	5.0 U	3.0 U	3.0 U	5.7 U	5.8 U
COPPER	5.0 U	5.0 U	5.0 U	2.8 J	2.0 UJ	43.7	12.0 U
CYANIDE	5.0 UJ						
IRON	85.1 J	24300	7230	19700	4960	528 J	114 J
LEAD	2.2 J	5.2 J	2.0 UJ	8.4 U	3.5 J	2.4 J	2.0 UJ
MAGNESIUM	1400	6250	6250	6890	6660	952000 J	1030000 J
MANGANESE	2.3	841	832	730	645	3030	2800
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
NICKEL	23.4 J	11.0 U	11.0 U	7.0 U	7.0 U	12.0 U	10.0 U
POTASSIUM	1120	3060 J	3090	4820	4820	815000 J	843000 J
SELENIUM	1.0 U	1.0 U	1.0 U	5.0 UJ	5.0 UJ	3.0 UJ	30.0 UJ

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	011591-2WMW1D	2WGW21D	2WGW21D	2WGW21D-2	2WGW21D-2	2WGW21S	2WGW21S
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1
SAMPLE DATE:	01/15/91	04/04/94	04/04/94	07/07/94	07/07/94	03/18/94	03/18/94
LOCATION:	2WMW1D	2WMW21D	2WMW21D	2WMW21D	2WMW21D	2WMW21S	2WMW21S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Shallow	Shallow
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	7.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U
SODIUM	28900	51500	52300	59000	56300	7890000 J	8040000 J
THALLIUM	2.0 U	1.0 UJ	1.4 U	5.0 UJ	5.0 UJ	15.2 J	10.0 UJ
VANADIUM	20.0 U	4.0 U	4.0 U	3.0 U	3.0 U	26.0 J	32.0 J
ZINC	20.2 J	11.0 J	15.3 U	12.0 U	8.9 U	2.0 U	2.0 U
RADIONUCLIDES (PCI/L)							
GROSS ALPHA	0 +/- 1.90						
GROSS BETA	2.5 +/- 2.70						
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		136	124	154		5100	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		10 U		5 U
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		10 U		5 U
1,1,2-TRICHLOROETHANE	10 U		10 U		10 U		5 U
1,1-DICHLOROETHANE	10 U		10 U		10 U		5 U
1,1-DICHLOROETHENE	10 U		10 U		10 U		5 U
1,2-DICHLOROETHANE	10 U		10 U		10 U		5 U
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		10 U		5 U
1,2-DICHLOROPROPANE	10 U		10 U		10 U		5 U
2-BUTANONE	10 U		10 U		10 U		10 U
2-HEXANONE	10 U		10 U		10 U		10 U
4-METHYL-2-PENTANONE	10 U		10 U		10 U		10 U
ACETONE	10 U		10 UJ		10 U		10 U
BENZENE	10 U		10 U		10 U		5 U
BROMODICHLOROMETHANE	10 U		10 U		10 U		5 U
BROMOFORM	10 U		10 U		10 U		5 U
BROMOMETHANE	10 U		10 U		10 U		10 U
CARBON DISULFIDE	10 U		10 U		10 U		5 U
CARBON TETRACHLORIDE	10 U		10 U		10 U		5 U
CHLOROBENZENE	10 U		10 U		10 U		5 U
CHLOROETHANE	10 U		10 U		10 U		10 U
CHLOROFORM	10 U		10 U		10 U		5 U
CHLOROMETHANE	10 U		10 U		10 U		10 U
CIS-1,3-DICHLOROPROPENE	10 U		10 U		10 U		5 U
DIBROMOCHLOROMETHANE	10 U		10 U		10 U		5 U
ETHYLBENZENE	10 U		10 U		10 U		5 U
METHYLENE CHLORIDE	10 U		10 U		10 U		5 U
STYRENE	10 U		10 U		10 U		5 U
TETRACHLOROETHENE	10 U		10 U		10 U		5 U
TOLUENE	10 U		10 U		10 U		5 U
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		10 U		5 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		10 U		5 U
VINYL ACETATE	10 U		10 U		10 U		10 U
VINYL CHLORIDE	10 U		10 U		10 U		10 U
XYLENES, TOTAL	10 U		10 U		10 U		5 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 UJ		10 U		10 U		10 U
1,2-DICHLOROBENZENE	10 UJ		10 U		10 U		10 U
1,3-DICHLOROBENZENE	10 UJ		10 U		10 U		10 U
1,4-DICHLOROBENZENE	10 UJ		10 U		10 U		10 U
2,4,5-TRICHLOROPHENOL	25 UJ		25 U		25 U		50 U
2,4,6-TRICHLOROPHENOL	10 UJ		10 U		10 U		10 U
2,4-DICHLOROPHENOL	10 UJ		10 U		10 U		10 U
2,4-DIMETHYLPHENOL	10 UJ		10 U		10 U		10 U
2,4-DINITROPHENOL	25 UJ		25 U		25 U		50 U
2,4-DINITROTOLUENE	10 UJ		10 U		10 U		10 U
2,6-DINITROTOLUENE	10 UJ		10 U		10 U		10 U
2-CHLORONAPHTHALENE	10 UJ		10 U		10 U		10 U
2-CHLOROPHENOL	10 UJ		10 U		10 U		10 U
2-METHYLNAPHTHALENE	10 UJ		10 U		10 U		10 U
2-METHYLPHENOL	10 UJ		10 U		2 J		10 U
2-NITROANILINE	25 UJ		25 U		25 U		50 U
2-NITROPHENOL	10 UJ		10 U		10 U		10 U
3,3'-DICHLOROBENZIDINE	10 UJ		10 U		10 U		20 U
3-NITROANILINE	25 UJ		25 U		25 U		50 U
4,6-DINITRO-2-METHYLPHENOL	25 UJ		25 U		25 U		50 U
4-BROMOPHENYL PHENYL ETHER	10 UJ		10 U		10 U		10 U
4-CHLORO-3-METHYLPHENOL	10 UJ		10 U		10 U		10 U
4-CHLOROANILINE	10 UJ		10 U		10 U		10 U
4-CHLOROPHENYL PHENYL ETHER	10 UJ		10 U		10 U		10 U
4-METHYLPHENOL	10 UJ		10 U		3 J		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 UJ		25 U		25 U		50 U
4-NITROPHENOL	25 UJ		25 U		25 U		50 U
ACENAPHTHENE	10 UJ		10 U		10 U		10 U
ACENAPHTHYLENE	10 UJ		10 U		10 U		10 U
ANTHRACENE	10 UJ		10 U		10 U		10 U
BENZO(A)ANTHRACENE	10 UJ		10 U		10 U		10 U
BENZO(A)PYRENE	10 UJ		10 U		10 U		10 U
BENZO(B)FLUORANTHENE	10 UJ		10 U		10 U		10 U
BENZO(G,H,I)PERYLENE	10 UJ		10 U		10 U		10 U
BENZO(K)FLUORANTHENE	10 UJ		10 U		10 U		10 U
BENZOIC ACID	25 UJ		50 U		0.5 J		50 U
BENZYL ALCOHOL	10 UJ		10 U		10 U		10 U
BIS(2-CHLOROETHOXY)METHANE	10 UJ		10 U		10 U		10 U
BIS(2-CHLOROETHYL)ETHER	10 UJ		10 U		10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 UJ		10 U		10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 UJ		10 U		10 U		10 U
BUTYL BENZYL PHTHALATE	10 UJ		10 U		10 U		10 U
CARBAZOLE	10 UJ		10 U		10 U		
CHRYSENE	10 UJ		10 U		10 U		10 U
DI-N-BUTYL PHTHALATE	10 UJ		10 U		10 U		10 U
DI-N-OCTYL PHTHALATE	10 UJ		10 U		10 U		10 U
DIBENZO(A,H)ANTHRACENE	10 UJ		10 U		10 U		10 U
DIBENZOFURAN	10 UJ		10 U		10 U		10 U
DIETHYL PHTHALATE	10 UJ		10 U		10 U		10 U
DIMETHYL PHTHALATE	10 UJ		10 U		10 U		10 U
FLUORANTHENE	10 UJ		10 U		10 U		10 U
FLUORENE	10 UJ		10 U		10 U		10 U
HEXACHLOROBENZENE	10 UJ		10 U		10 U		10 U
HEXACHLOROBUTADIENE	10 UJ		10 U		10 U		10 U
HEXACHLOROCYCLOPENTADIENE	10 UJ		10 U		10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 UJ		10 U		10 U		10 U
INDENO(1,2,3-CD)PYRENE	10 UJ		10 U		10 U		10 U
ISOPHORONE	10 UJ		10 U		10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE	10 UJ		10 U		10 U		10 U
N-NITROSODIPHENYLAMINE	10 UJ		10 U		10 U		10 U
NAPHTHALENE	10 UJ		10 U		10 U		10 U
NITROBENZENE	10 UJ		10 U		10 U		10 U
PENTACHLOROPHENOL	25 UJ		25 U		25 U		50 U
PHENANTHRENE	10 UJ		10 U		10 U		10 U
PHENOL	10 UJ		10 U		14		10 U
PYRENE	10 UJ		10 U		10 U		10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD							0.1 U
4,4'-DDE							0.1 U
4,4'-DDT							0.1 U
ALDRIN							0.05 U
ALPHA-BHC							0.05 U
ALPHA-CHLORDANE							0.5 U
AROCLOR-1016							0.5 U
AROCLOR-1221							0.5 U
AROCLOR-1232							0.5 U
AROCLOR-1242							0.5 U
AROCLOR-1248							0.5 U
AROCLOR-1254							1 U
AROCLOR-1260							1 U
BETA-BHC							0.05 U
DELTA-BHC							0.05 U
DIELDRIN							0.1 U
ENDOSULFAN II							0.1 U
ENDOSULFAN SULFATE							0.1 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I							0.05 U
ENDRIN							0.1 U
ENDRIN KETONE							0.1 U
GAMMA-BHC (LINDANE)							0.05 U
GAMMA-CHLORDANE							0.5 U
HEPTACHLOR							0.05 U
HEPTACHLOR EPOXIDE							0.05 U
METHOXYCHLOR							0.5 U
TOXAPHENE							1 U
INORGANICS (UG/L)							
ALUMINUM	4160	28.9 U	71.0 U	76.9 U	306 U	34.8 U	139
ANTIMONY	12.0 R	12.0 R	13.0 U	13.0 U	12.0 U	12.0 U	25.0 U
ARSENIC	56.1	49.5	2.0 U	2.0 U	3.0 U	3.0 U	3.0 U
BARIUM	166 J	143 J	107 J	102	84.0	72.3	39.0
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
BORON	3070	3010	32.1 U	50.0 U	21.3 U	21.2 U	1.3 R
CADMIUM	2.0 R	2.0 R	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U
CALCIUM	296000	291000	33200	33700	25200	24900	7530
CHROMIUM	13.8 J	3.0 U	4.0 U	4.0 U	3.0 U	3.0 U	5.0 U
COBALT	3.7 J	3.0 U	5.0 U	5.7 U	3.0 U	3.0 U	5.0 U
COPPER	44.6 J	37.0 J	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
CYANIDE							5.0 UJ
IRON	7500	89.5 U	705	47.0 U	9270	28.3 U	256 J
LEAD	15.1 U	2.8 R	2.5 J	2.0 UJ	10.1	4.4 J	22.4 J
MAGNESIUM	1080000	1050000	3380 J	3460	4880	4770	1700
MANGANESE	813	657	18.0	11.8	149	65.3	27.4
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
NICKEL	25.6 U	10.7 U	11.0 U	11.0 U	7.0 U	7.0 U	20.6 J
POTASSIUM	325000	319000	1180 J	1230	2290 U	2510 U	715
SELENIUM	5.0 UJ	5.0 UJ	1.0 U	1.0 U	3.0 U	3.0 U	1.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW21S-2	2WGW21S-2	2WGW22D	2WGW22D	2WGW22D-2	2WGW22D-2	011491-2WMW2D
INVESTIGATION:	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2	PH1
SAMPLE DATE:	07/07/94	07/07/94	04/05/94	04/05/94	07/07/94	07/07/94	01/14/91
LOCATION:	2WMW21S	2WMW21S	2WMW22D	2WMW22D	2WMW22D	2WMW22D	2WMW2D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	7.0 U
SODIUM	8500000	8180000	7590	7690	7580	7560	40500
THALLIUM	5.2 U	12.1 U	1.0 U	1.5 U	4.6 J	2.0 UJ	2.0 U
VANADIUM	25.1	11.3 U	4.0 U	4.0 U	3.9 U	3.0 U	20.0 U
ZINC	3.2 U	2.0 U	6.8 J	4.4 U	14.9 U	20.6 U	62.1 J
RADIONUCLIDES (PCI/L)							
GROSS ALPHA							4.7 +/- 2.10
GROSS BETA							3.8 +/- 3.00
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	6150		96	96.0	82		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHENE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		5 U	10 U	
1,2-DICHLOROPROPANE	10 U		10 U		5 U	10 U	
2-BUTANONE	10 U		10 U		10 U	10 U	
2-HEXANONE	10 U		10 U		10 U	10 U	
4-METHYL-2-PENTANONE	10 U		10 U		10 U	10 U	
ACETONE	10 U		10 U		32 U	25 U	
BENZENE	10 U		10 U		5 U	10 U	
BROMODICHLOROMETHANE	10 U		10 U		5 U	10 U	
BROMOFORM	10 U		10 U		5 U	10 U	
BROMOMETHANE	10 U		10 U		10 U	10 U	
CARBON DISULFIDE	10 U		10 U		5 U	10 U	
CARBON TETRACHLORIDE	10 U		10 U		5 U	10 U	
CHLOROBENZENE	10 U		10 U		5 U	10 U	
CHLOROETHANE	10 U		10 U		10 U	10 U	
CHLOROFORM	10 U		10 U		5 U	10 U	
CHLOROMETHANE	10 U		10 U		10 U	10 U	
CIS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	
DIBROMOCHLOROMETHANE	10 U		10 U		5 U	10 U	
ETHYLBENZENE	10 U		10 U		5 U	10 U	
METHYLENE CHLORIDE	10 U		10 U		5 U	10 U	
STYRENE	10 U		10 U		5 U	10 U	
TETRACHLOROETHENE	10 U		10 U		5 U	10 U	
TOLUENE	10 U		10 U		5 U	10 U	
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		5 U	10 U	
VINYL ACETATE	10 U		10 U		10 U	10 U	
VINYL CHLORIDE	10 U		10 U		10 U	10 U	
XYLENES, TOTAL	10 U		10 U		5 U	10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,2-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,3-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,4-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
2,4,5-TRICHLOROPHENOL	25 U		25 U		50 U	25 U	
2,4,6-TRICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DIMETHYLPHENOL	10 U		10 U		10 U	10 U	
2,4-DINITROPHENOL	25 U		25 U		50 U	25 U	
2,4-DINITROTOLUENE	10 U		10 U		10 U	10 U	
2,6-DINITROTOLUENE	10 U		10 U		10 U	10 U	
2-CHLORONAPHTHALENE	10 U		10 U		10 U	10 U	
2-CHLOROPHENOL	10 U		10 U		10 U	10 U	
2-METHYLNAPHTHALENE	10 U		10 U		10 U	10 U	
2-METHYLPHENOL	10 U		10 U		10 U	10 U	
2-NITROANILINE	25 U		25 U		50 U	25 U	
2-NITROPHENOL	10 U		10 U		10 U	10 U	
3,3'-DICHLOROBENZIDINE	10 U		10 U		20 U	10 U	
3-NITROANILINE	25 U		25 U		50 U	25 U	
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U		50 U	25 U	
4-BROMOPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-CHLORO-3-METHYLPHENOL	10 U		10 U		10 U	10 U	
4-CHLOROANILINE	10 U		10 U		10 U	10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-METHYLPHENOL	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		25 U		50 U	25 U	
4-NITROPHENOL	25 U		25 U		50 U	25 U	
ACENAPHTHENE	10 U		10 U		10 U	10 U	
ACENAPHTHYLENE	10 U		10 U		10 U	10 U	
ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)PYRENE	10 U		10 U		10 U	10 U	
BENZO(B)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZO(G,H,I)PERYLENE	10 U		10 U		10 U	10 U	
BENZO(K)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZOIC ACID	50 U		0.6 J		12 J	50 U	
BENZYL ALCOHOL	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHYL)ETHER	10 U		10 U		10 U	10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U		10 U	10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U		10 U	11	
BUTYL BENZYL PHTHALATE	10 U		10 U		10 U	10 U	
CARBAZOLE	10 U		10 U			10 U	
CHRYSENE	10 U		10 U		10 U	10 U	
DI-N-BUTYL PHTHALATE	10 U		10 U		10 U	10 U	
DI-N-OCTYL PHTHALATE	10 U		10 U		10 U	3 J	
DIBENZO(A,H)ANTHRACENE	10 U		10 U		10 U	10 U	
DIBENZOFURAN	10 U		10 U		10 U	10 U	
DIETHYL PHTHALATE	10 U		10 U		10 U	1 J	
DIMETHYL PHTHALATE	10 U		10 U		10 U	10 U	
FLUORANTHENE	10 U		10 U		10 U	10 U	
FLUORENE	10 U		10 U		10 U	10 U	
HEXACHLOROBENZENE	10 U		10 U		10 U	10 U	
HEXACHLOROBUTADIENE	10 U		10 U		10 U	10 U	
HEXACHLOROCYCLOPENTADIENE	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U		10 U	10 U	
INDENO(1,2,3-CD)PYRENE	10 U		10 U		10 U	10 U	
ISOPHORONE	10 U		10 U		10 U	10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U		10 U	10 U	
N-NITROSODIPHENYLAMINE	10 U		10 U		10 U	10 U	
NAPHTHALENE	10 U		10 U		10 U	10 U	
NITROBENZENE	10 U		10 U		10 U	10 U	
PENTACHLOROPHENOL	25 U		25 U		50 U	25 U	
PHENANTHRENE	10 U		10 U		10 U	10 U	
PHENOL	10 U		10 U		10 U	10 U	
PYRENE	10 U		10 U		10 U	10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD					0.1 U		
4,4'-DDE					0.1 U		
4,4'-DDT					0.1 U		
ALDRIN					0.05 U		
ALPHA-BHC					0.05 U		
ALPHA-CHLORDANE					0.5 U		
AROCLOR-1016					0.5 U		
AROCLOR-1221					0.5 U		
AROCLOR-1232					0.5 U		
AROCLOR-1242					0.5 U		
AROCLOR-1248					0.5 U		
AROCLOR-1254					1 U		
AROCLOR-1260					1 U		
BETA-BHC					0.05 U		
DELTA-BHC					0.05 U		
DIELDRIN					0.1 U		
ENDOSULFAN II					0.1 U		
ENDOSULFAN SULFATE					0.1 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I					0.05 U		
ENDRIN					0.1 U		
ENDRIN KETONE					0.1 U		
GAMMA-BHC (LINDANE)					0.05 U		
GAMMA-CHLORDANE					0.5 U		
HEPTACHLOR					0.05 U		
HEPTACHLOR EPOXIDE					0.05 U		
METHOXYCHLOR					0.5 U		
TOXAPHENE					1 U		
INORGANICS (UG/L)							
ALUMINUM	159 U	120 U	690	80.7 U	30.0 U	1070	14.0 U
ANTIMONY	13.0 U	13.0 U	12.0 U	12.0 U	25.0 U	15.0 UR	15.0 U
ARSENIC	2.0 UJ	2.0 UJ	3.0 U	6.1 U	3.0 U	4.6 J	2.9 J
BARIUM	15.5 J	13.9	29.9	21.8	613	904 J	805
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
BORON	29.0 U	50.0 U	43.0 U	32.8 U	1.5 R	109 R	116
CADMIUM	3.0 U	3.0 U	2.7 J	2.0 U	7.7 J	10.9 J	18.1
CALCIUM	5920	5980	19700	18400	72200	92500 J	92500
CHROMIUM	4.0 U	4.0 U	3.0 U	3.0 U	5.0 U	3.0 U	3.0 UJ
COBALT	5.0 U	5.0 U	3.0 U	3.0 U	5.0 U	4.0 U	4.0 UJ
COPPER	5.0 U	5.0 U	10.6	3.7 J	5.0 U	17.2 U	2.3 U
CYANIDE					5.0 U		
IRON	105 U	18.6 U	1510	58.2 U	62600	108000 J	73600 J
LEAD	9.8	6.7 J	32.7	13.3	10.0 UJ	3.8 J	2.1 J
MAGNESIUM	1340 J	1340	3100	2840	108000	131000 J	130000
MANGANESE	21.1	21.7	47.4	6.8	3630	5190	4900
MERCURY	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ
NICKEL	11.0 U	11.0 U	15.2 U	7.0 U	18.9 J	11.1 U	10.0 U
POTASSIUM	557 J	488	1650 U	1230 U	26400	44700 J	42500 J
SELENIUM	1.0 U	1.0 U	3.0 U	3.0 U	3.6	3.0 UJ	3.0 UJ

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW2D	2WGW2D	2WGW2D-2	2WGW2D-2	011191-2WMW3D	2WGW3D	2WGW3D
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	07/07/94	07/07/94	01/11/91	03/18/94	03/18/94
LOCATION:	2WMW2D	2WMW2D	2WMW2D	2WMW2D	2WMW3D	2WMW3D	2WMW3D
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	2.0 U	2.0 U	2.0 U	2.0 U	7.0 U	7.2 U	3.9 J
SODIUM	17900	17900	39800	39400	1140000	1290000 J	1280000 J
THALLIUM	1.0 UJ	1.0 UJ	2.0 UJ	2.0 UJ	20.0 U	10.0 UJ	1.3 J
VANADIUM	4.0 U	4.0 U	3.5 U	3.0 U	20.0 U	5.0 UJ	5.0 U
ZINC	17.0 J	22.6	26.7 U	21.6 U	16.1 J	15.4	5.2
RADIONUCLIDES (PCI/L)							
GROSS ALPHA					42.2 +/- 25.10		
GROSS BETA					51 +/- 30.60		
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	18	16.0	62			840	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1,2,2-TETRACHLOROETHANE	10 U		5 U	10 U		10 U	
1,1,2-TRICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1-DICHLOROETHANE	10 U		5 U	10 U		10 U	
1,1-DICHLOROETHENE	10 U		5 U	10 U		10 U	
1,2-DICHLOROETHANE	10 U		5 U	10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U		5 U	10 U		10 U	
1,2-DICHLOROPROPANE	10 U		5 U	10 U		10 U	
2-BUTANONE	10 U		10 U	10 U		10 U	
2-HEXANONE	10 UJ		10 U	10 U		10 UJ	
4-METHYL-2-PENTANONE	10 U		10 U	10 U		10 U	
ACETONE	10 U		10 U	10 U		10 U	
BENZENE	10 U		5 U	10 U		10 U	
BROMODICHLOROMETHANE	10 U		5 U	10 U		10 U	
BROMOFORM	10 U		5 U	10 U		10 U	
BROMOMETHANE	10 U		10 U	10 U		10 U	
CARBON DISULFIDE	10 U		5 U	10 U		10 U	
CARBON TETRACHLORIDE	10 U		5 U	10 U		10 U	
CHLOROBENZENE	10 U		5 U	10 U		10 U	
CHLOROETHANE	10 U		10 U	10 U		10 U	
CHLOROFORM	10 U		5 U	10 U		10 U	
CHLOROMETHANE	10 U		10 U	10 U		10 U	
CIS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	
DIBROMOCHLOROMETHANE	10 U		5 U	10 U		10 U	
ETHYLBENZENE	10 U		5 U	10 U		10 U	
METHYLENE CHLORIDE	33 U		5 U	10 U		32 U	
STYRENE	10 U		5 U	10 U		10 U	
TETRACHLOROETHENE	10 U		5 U	10 U		10 U	
TOLUENE	10 U		5 U	10 U		10 U	
TRANS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		5 U	10 U		10 U	
VINYL ACETATE	10 U		10 U	10 U		10 U	
VINYL CHLORIDE	10 U		10 U	10 U		10 U	
XYLENES, TOTAL	10 U		5 U	10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,2-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,3-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
1,4-DICHLOROBENZENE	10 U		10 U	10 U		10 U	
2,4,5-TRICHLOROPHENOL	25 U		50 U	25 U		25 U	
2,4,6-TRICHLOROPHENOL	10 U		10 U	10 U		10 U	
2,4-DICHLOROPHENOL	10 U		10 U	10 U		10 U	
2,4-DIMETHYLPHENOL	10 U		10 U	10 U		10 U	
2,4-DINITROPHENOL	25 UJ		50 U	25 U		25 U	
2,4-DINITROTOLUENE	10 U		10 U	10 U		10 U	
2,6-DINITROTOLUENE	10 U		10 U	10 U		10 U	
2-CHLORONAPHTHALENE	10 U		10 U	10 U		10 U	
2-CHLOROPHENOL	10 U		10 U	10 U		10 U	
2-METHYLNAPHTHALENE	10 U		10 U	10 U		10 U	
2-METHYLPHENOL	10 U		10 U	10 U		10 U	
2-NITROANILINE	25 U		50 U	25 U		25 U	
2-NITROPHENOL	10 U		10 U	10 U		10 U	
3,3'-DICHLOROBENZIDINE	10 U		20 U	10 U		10 U	
3-NITROANILINE	25 U		50 U	25 U		25 U	
4,6-DINITRO-2-METHYLPHENOL	25 UJ		50 U	25 U		25 U	
4-BROMOPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	
4-CHLORO-3-METHYLPHENOL	10 U		10 U	10 U		10 U	
4-CHLOROANILINE	10 U		10 U	10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	
4-METHYLPHENOL	10 U		10 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		50 U	25 U		25 U	
4-NITROPHENOL	25 U		50 U	25 U		25 U	
ACENAPHTHENE	10 U		10 U	10 U		10 U	
ACENAPHTHYLENE	10 U		10 U	10 U		10 U	
ANTHRACENE	10 U		10 U	10 U		10 U	
BENZO(A)ANTHRACENE	10 U		10 U	10 U		10 U	
BENZO(A)PYRENE	10 U		10 U	10 U		10 U	
BENZO(B)FLUORANTHENE	10 U		10 U	10 U		10 U	
BENZO(G,H,I)PERYLENE	10 U		10 U	10 U		10 U	
BENZO(K)FLUORANTHENE	10 U		10 U	10 U		10 U	
BENZOIC ACID	50 U		50 U	50 U		50 U	
BENZYL ALCOHOL	10 U		10 U	10 U		10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U	10 U		10 U	
BIS(2-CHLOROETHYL)ETHER	10 U		10 U	10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U	10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U	10 U		10 U	
BUTYL BENZYL PHTHALATE	10 U		10 U	10 U		10 U	
CARBAZOLE	10 U			10 U		10 U	
CHRYSENE	10 U		10 U	10 U		10 U	
DI-N-BUTYL PHTHALATE	10 U		10 U	1 J		10 U	
DI-N-OCTYL PHTHALATE	10 U		10 U	10 U		10 U	
DIBENZO(A,H)ANTHRACENE	10 U		10 U	10 U		10 U	
DIBENZOFURAN	10 U		10 U	10 U		10 U	
DIETHYL PHTHALATE	10 U		10 U	1 J		10 U	
DIMETHYL PHTHALATE	10 U		10 U	10 U		10 U	
FLUORANTHENE	10 U		10 U	10 U		10 U	
FLUORENE	10 U		10 U	10 U		10 U	
HEXACHLOROBENZENE	10 U		10 U	10 U		10 U	
HEXACHLOROBUTADIENE	10 U		10 U	10 U		10 U	
HEXACHLOROCYCLOPENTADIENE	10 U		10 U	10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U	10 U		10 U	
INDENO(1,2,3-CD)PYRENE	10 U		10 U	10 U		10 U	
ISOPHORONE	10 U		10 U	10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U	10 U		10 U	
N-NITROSODIPHENYLAMINE	10 U		10 U	10 U		10 U	
NAPHTHALENE	10 U		10 U	10 U		10 U	
NITROBENZENE	10 U		10 U	10 U		10 U	
PENTACHLOROPHENOL	25 U		50 U	25 U		25 U	
PHENANTHRENE	10 U		10 U	10 U		10 U	
PHENOL	10 U		10 U	10 U		10 U	
PYRENE	10 U		10 U	10 U		10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD			0.1 U				
4,4'-DDE			0.1 U				
4,4'-DDT			0.1 U				
ALDRIN			0.052 U				
ALPHA-BHC			0.052 U				
ALPHA-CHLORDANE			0.52 U				
AROCLOR-1016			0.52 U				
AROCLOR-1221			0.52 U				
AROCLOR-1232			0.52 U				
AROCLOR-1242			0.52 U				
AROCLOR-1248			0.52 U				
AROCLOR-1254			1 U				
AROCLOR-1260			1 U				
BETA-BHC			0.052 U				
DELTA-BHC			0.052 U				
DIELDRIN			0.1 U				
ENDOSULFAN II			0.1 U				
ENDOSULFAN SULFATE			0.1 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I			0.052 U				
ENDRIN			0.1 U				
ENDRIN KETONE			0.1 U				
GAMMA-BHC (LINDANE)			0.052 U				
GAMMA-CHLORDANE			0.52 U				
HEPTACHLOR			0.052 U				
HEPTACHLOR EPOXIDE			0.052 U				
METHOXYCHLOR			0.52 U				
TOXAPHENE			1 U				
INORGANICS (UG/L)							
ALUMINUM	2410	69.5	39.6	408	28.9	181	62.3
ANTIMONY	3.0 U	12.0 U	25.0 U	15.0 U	15.0 UR	3.0 U	12.0 U
ARSENIC	1.9 J	2.4	7.6	5.3 J	22.1	23.0	29.0
BARIUM	312	286	396	187 J	707	243	263
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
BORON	89.7 J	61.1	0.97 R	292 J	245 J	188	161
CADMIUM	1.2 J	2.0 U	10.6	4.3 J	30.6 J	1.0 U	2.0 U
CALCIUM	71500	73900	67300	40400 J	137000	57100	61700
CHROMIUM	4.9	3.0 U	5.0 U	3.0 U	3.0 UJ	2.9	3.0 U
COBALT	3.1	3.0 U	5.0 U	19.9 U	4.0 UJ	2.1	3.0 U
COPPER	8.3	2.0 U	6.2 J	6.7 U	7.6 U	1.1 U	2.0 U
CYANIDE			5.0 U				
IRON	87600	19200	75400	39700 J	123000 J	53800	56300
LEAD	2.5 U	2.0	10.0 U	2.4 J	2.0 UJ	2.0 UJ	2.0 U
MAGNESIUM	38100	36000	126000	43000 J	194000	97700	84600
MANGANESE	1150	958	3200	7920	7490	3100	3290
MERCURY	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U
NICKEL	12.0 U	7.0 U	7.0 U	10.0 U	12.1 J	12.0 U	7.0 U
POTASSIUM	9880	9430	37100	15600 J	79000 J	31600	28400
SELENIUM	2.0 UJ	2.0 U	2.3 J	3.0 UJ	30.0 UJ	2.0 UJ	2.0 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW3D-2	2WGW3D-2	121190-2WMW3S	2WGW3S	2WGW3S	2WGW3S-2	2WGW3S-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	06/26/94	06/26/94	12/11/90	03/18/94	03/18/94	06/26/94	06/26/94
LOCATION:	2WMW3D	2WMW3D	2WMW3S	2WMW3S	2WMW3S	2WMW3S	2WMW3S
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	1.0 U	2.0 U	7.0 U	3.8 U	9.8 J	1.5 J	2.0 U
SODIUM	293000	292000	1360000	529000 J	1880000 J	932000	793000
THALLIUM	20.0 UR	20.0 U	10.0 U	10.0 UJ	1.4 J	20.0 UR	20.0 U
VANADIUM	4.7	3.0 U	20.0 U	5.0 UJ	5.0 UJ	2.7	3.0 U
ZINC	18.5	6.6	15.3 J	7.0 U	3.0 J	8.3	2.0 U
RADIONUCLIDES (PCI/L)							
GROSS ALPHA			0 +/- 55.80				
GROSS BETA			40.2 +/- 35.70				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	400			1280		556	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2,2-TETRACHLOROETHANE	10 U		10 U		5 U	10 U	
1,1,2-TRICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,1-DICHLOROETHENE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHANE	10 U		10 U		5 U	10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U		5 U	10 U	
1,2-DICHLOROPROPANE	10 U		10 U		5 U	10 U	
2-BUTANONE	10 U		10 U		10 U	10 U	
2-HEXANONE	10 U		10 U		10 U	10 U	
4-METHYL-2-PENTANONE	10 U		10 U		10 U	10 U	
ACETONE	20 U		10 U		10 U	10 U	
BENZENE	10 U		10 U		5 U	10 U	
BROMODICHLOROMETHANE	10 U		10 U		5 U	10 U	
BROMOFORM	10 U		10 U		5 U	10 U	
BROMOMETHANE	10 U		10 U		10 U	10 U	
CARBON DISULFIDE	10 U		10 U		5 U	10 U	
CARBON TETRACHLORIDE	10 U		10 U		5 U	10 U	
CHLOROBENZENE	10 U		10 U		5 U	10 U	
CHLOROETHANE	10 U		10 U		10 U	10 U	
CHLOROFORM	10 U		10 U		5 U	10 U	
CHLOROMETHANE	10 U		10 U		10 U	10 U	
CIS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	
DIBROMOCHLOROMETHANE	10 U		10 U		5 U	10 U	
ETHYLBENZENE	10 U		10 U		5 U	10 U	
METHYLENE CHLORIDE	10 U		10 U		5 U	10 U	
STYRENE	10 U		10 U		5 U	10 U	
TETRACHLOROETHENE	10 U		10 U		5 U	10 U	
TOLUENE	10 U		10 U		5 U	10 U	
TRANS-1,3-DICHLOROPROPENE	10 U		10 U		5 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		10 U		5 U	10 U	
VINYL ACETATE	10 U		10 U		10 U	10 U	
VINYL CHLORIDE	10 U		10 U		10 U	10 U	
XYLENES, TOTAL	10 U		10 U		1 J	10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,2-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,3-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
1,4-DICHLOROBENZENE	10 U		10 U		10 U	10 U	
2,4,5-TRICHLOROPHENOL	25 U		25 U		50 U	25 U	
2,4,6-TRICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DICHLOROPHENOL	10 U		10 U		10 U	10 U	
2,4-DIMETHYLPHENOL	10 U		10 U		10 U	10 U	
2,4-DINITROPHENOL	25 U		25 U		50 U	25 U	
2,4-DINITROTOLUENE	10 U		10 U		10 U	10 U	
2,6-DINITROTOLUENE	10 U		10 U		10 U	10 U	
2-CHLORONAPHTHALENE	10 U		10 U		10 U	10 U	
2-CHLOROPHENOL	10 U		10 U		10 U	10 U	
2-METHYLNAPHTHALENE	10 U		10 U		10 U	10 U	
2-METHYLPHENOL	10 U		10 U		10 U	10 U	
2-NITROANILINE	25 U		25 U		50 U	25 U	
2-NITROPHENOL	10 U		10 U		10 U	10 U	
3,3'-DICHLOROBENZIDINE	10 U		10 U		20 U	10 U	
3-NITROANILINE	25 U		25 U		50 U	25 U	
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U		50 U	25 U	
4-BROMOPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-CHLORO-3-METHYLPHENOL	10 U		10 U		10 U	10 U	
4-CHLOROANILINE	10 U		10 U		10 U	10 U	
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U		10 U	10 U	
4-METHYLPHENOL	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		25 U		50 U	25 U	
4-NITROPHENOL	25 U		25 U		50 U	25 U	
ACENAPHTHENE	10 U		10 U		10 U	10 U	
ACENAPHTHYLENE	10 U		10 U		10 U	10 U	
ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)ANTHRACENE	10 U		10 U		10 U	10 U	
BENZO(A)PYRENE	10 U		10 U		10 U	10 U	
BENZO(B)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZO(G,H,I)PERYLENE	10 U		10 U		10 U	10 U	
BENZO(K)FLUORANTHENE	10 U		10 U		10 U	10 U	
BENZOIC ACID	0.9 J		50 U		50 U	50 UJ	
BENZYL ALCOHOL	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U		10 U	10 U	
BIS(2-CHLOROETHYL)ETHER	10 U		10 U		10 U	10 U	
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U		10 U	10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U		10 U	10 U	
BUTYL BENZYL PHTHALATE	10 U		10 U		10 U	10 U	
CARBAZOLE	10 U		10 U			10 U	
CHRYSENE	10 U		10 U		10 U	10 U	
DI-N-BUTYL PHTHALATE	10 U		10 U		10 U	10 U	
DI-N-OCTYL PHTHALATE	10 U		10 U		10 U	10 U	
DIBENZO(A,H)ANTHRACENE	10 U		10 U		10 U	10 U	
DIBENZOFURAN	10 U		10 U		10 U	10 U	
DIETHYL PHTHALATE	10 U		10 U		10 U	10 U	
DIMETHYL PHTHALATE	10 U		10 U		10 U	10 U	
FLUORANTHENE	10 U		10 U		10 U	10 U	
FLUORENE	10 U		10 U		10 U	10 U	
HEXACHLOROBENZENE	10 U		10 U		10 U	10 U	
HEXACHLOROBUTADIENE	10 U		10 U		10 U	10 U	
HEXACHLOROCYCLOPENTADIENE	10 U		10 U		10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U		10 U	10 U	
INDENO(1,2,3-CD)PYRENE	10 U		10 U		10 U	10 U	
ISOPHORONE	10 U		10 U		10 U	10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U		10 U	10 U	
N-NITROSODIPHENYLAMINE	10 U		10 U		10 U	10 U	
NAPHTHALENE	10 U		10 U		10 U	10 U	
NITROBENZENE	10 U		10 U		10 U	10 U	
PENTACHLOROPHENOL	25 U		25 U		50 U	25 U	
PHENANTHRENE	10 U		10 U		10 U	10 U	
PHENOL	10 U		10 U		10 U	10 U	
PYRENE	10 U		10 U		10 U	10 U	
PESTICIDES/PCBs (UG/L)							
4,4'-DDD					0.11 U		
4,4'-DDE					0.11 U		
4,4'-DDT					0.11 U		
ALDRIN					0.054 U		
ALPHA-BHC					0.054 U		
ALPHA-CHLORDANE					0.54 U		
AROCLOR-1016					0.54 U		
AROCLOR-1221					0.54 U		
AROCLOR-1232					0.54 U		
AROCLOR-1242					0.54 U		
AROCLOR-1248					0.54 U		
AROCLOR-1254					1.1 U		
AROCLOR-1260					1.1 U		
BETA-BHC					0.054 U		
DELTA-BHC					0.054 U		
DIELDRIN					0.11 U		
ENDOSULFAN II					0.11 U		
ENDOSULFAN SULFATE					0.11 U		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I					0.054 U		
ENDRIN					0.11 U		
ENDRIN KETONE					0.11 U		
GAMMA-BHC (LINDANE)					0.054 U		
GAMMA-CHLORDANE					0.54 U		
HEPTACHLOR					0.054 U		
HEPTACHLOR EPOXIDE					0.054 U		
METHOXYCHLOR					0.54 U		
TOXAPHENE					1.1 U		
INORGANICS (UG/L)							
ALUMINUM	70.2 U	54.3 U	60.0 U	71.4 U	30.0 U	267	14.0 U
ANTIMONY	13.0 U	13.0 U	12.0 U	12.0 U	25.0 U	15.0 UR	15.0 U
ARSENIC	4.4 J	5.5	2.0 U	2.0 U	3.0 U	4.9 J	3.2 J
BARIUM	161 J	165	193	189	167	754 J	187
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
BORON	207	214	243	223	1.6 R	253 J	293
CADMIUM	3.0 U	3.0 U	2.0 U	2.0 UJ	6.4	8.3 J	5.2
CALCIUM	42500	41800	44900	44400	52300	142000 J	41700
CHROMIUM	4.0 U	4.0 U	3.0 U	3.0 U	5.0 U	3.0 U	3.0 UJ
COBALT	16.3 J	19.3 U	15.9	17.7	12.1	4.0 U	15.3 U
COPPER	5.0 U	5.0 U	2.8 J	2.0 U	7.9 J	9.5 U	2.0 U
CYANIDE					5.0		
IRON	24900	26800	27600	26600	44800	131000 J	39200 J
LEAD	2.0 UJ	2.0 UJ	1.0 U	1.6 J	2.0 U	1.3 J	2.0 UJ
MAGNESIUM	28300	29400	36800	36500	50800	203000 J	43800
MANGANESE	5770	6050	7160	7090	8130	7900	7870
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
NICKEL	11.0 U	11.0 U	7.0 U	7.0 U	7.0 U	14.4 U	12.8 J
POTASSIUM	8280	7950	9080	9430	17300 J	86600 J	15700 J
SELENIUM	1.0 UJ	1.0 UJ	3.0 J	3.0 UJ	2.2 J	3.0 UJ	3.0 UJ

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5D	2WGW5D	2WGW5D-2	2WGW5D-2	121490-2WMW5S	2WGW5S	2WGW5S
INVESTIGATION:	PH2-1	PH2-1	PH2-2	PH2-2	PH1	PH2-1	PH2-1
SAMPLE DATE:	04/06/94	04/06/94	07/09/94	07/09/94	12/14/90	03/19/94	03/19/94
LOCATION:	2WMW5D	2WMW5D	2WMW5D	2WMW5D	2WMW5S	2WMW5S	2WMW5S
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	2.0 U	2.0 U	2.0 U	2.0 UJ	7.0 U	6.5 U	4.5
SODIUM	344000	362000	440000	432000	654000	521000 J	537000
THALLIUM	1.0 U	1.7 U	9.0 J	8.8 J	10.0 U	1.0 UJ	1.0 UJ
VANADIUM	4.0 U	4.0 U	3.0 U	3.5 U	20.0 U	5.0 UJ	5.0 U
ZINC	17.2 J	21.6	13.2 U	7.7 U	12.4 J	4.1 U	3.8 J
RADIONUCLIDES (PCI/L)							
GROSS ALPHA					0 +/- 23.30		
GROSS BETA					15.8 +/- 15.00		
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	244		280			292	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		5 U	10 U		10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U		5 U	10 U		10 U	10 U
1,1,2-TRICHLOROETHANE	10 U		5 U	10 U		10 U	10 U
1,1-DICHLOROETHANE	10 U		5 U	10 U		10 U	10 U
1,1-DICHLOROETHENE	10 U		5 U	10 U		10 U	10 U
1,2-DICHLOROETHANE	10 U		5 U	10 U		10 U	10 U
1,2-DICHLOROETHENE (TOTAL)	10 U		5 U	10 U		10 U	10 U
1,2-DICHLOROPROPANE	10 U		5 U	10 U		10 U	10 U
2-BUTANONE	10 U		10 U	10 U		10 U	10 U
2-HEXANONE	10 U		10 U	10 U		10 U	10 U
4-METHYL-2-PENTANONE	10 U		10 U	10 U		10 U	10 U
ACETONE	10 U		10 U	10 U		10 U	10 U
BENZENE	10 U		5 U	10 U		10 U	10 U
BROMODICHLOROMETHANE	10 U		5 U	10 U		10 U	10 U
BROMOFORM	10 U		5 U	10 U		10 U	10 U
BROMOMETHANE	10 U		10 U	10 U		10 U	10 U
CARBON DISULFIDE	10 U		5 U	10 U		10 U	10 U
CARBON TETRACHLORIDE	10 U		5 U	10 U		10 U	10 U
CHLOROBENZENE	10 U		5 U	10 U		10 U	10 U
CHLOROETHANE	10 U		10 U	10 U		10 U	10 U
CHLOROFORM	10 U		5 U	10 U		10 U	10 U
CHLOROMETHANE	10 U		10 U	10 U		10 U	10 U
CIS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	10 U
DIBROMOCHLOROMETHANE	10 U		5 U	10 U		10 U	10 U
ETHYLBENZENE	10 U		5 U	10 U		10 U	10 U
METHYLENE CHLORIDE	10 U		5 U	10 U		10 U	10 U
STYRENE	10 U		5 U	10 U		10 U	10 U
TETRACHLOROETHENE	10 U		5 U	10 U		10 U	10 U
TOLUENE	10 U		5 U	10 U		10 U	10 U
TRANS-1,3-DICHLOROPROPENE	10 U		5 U	10 U		10 U	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U		5 U	10 U		10 U	10 U
VINYL ACETATE	10 U		10 U	10 U		10 U	10 U
VINYL CHLORIDE	10 U		10 U	10 U		10 U	10 U
XYLENES, TOTAL	10 U		5 U	10 U		10 U	10 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U	10 U		10 U	10 U
1,2-DICHLOROBENZENE	10 U		10 U	10 U		10 U	10 U
1,3-DICHLOROBENZENE	10 U		10 U	10 U		10 U	10 U
1,4-DICHLOROBENZENE	10 U		10 U	10 U		10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U		50 U	25 U		25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U		10 U	10 U		10 U	10 U
2,4-DICHLOROPHENOL	10 U		10 U	10 U		10 U	10 U
2,4-DIMETHYLPHENOL	10 U		10 U	10 U		10 U	10 U
2,4-DINITROPHENOL	25 U		50 U	25 U		25 U	25 U
2,4-DINITROTOLUENE	10 U		10 U	10 U		10 U	10 U
2,6-DINITROTOLUENE	10 U		10 U	10 U		10 U	10 U
2-CHLORONAPHTHALENE	10 U		10 U	10 U		10 U	10 U
2-CHLOROPHENOL	10 U		10 U	10 U		10 U	10 U
2-METHYLNAPHTHALENE	10 U		10 U	10 U		10 U	10 U
2-METHYLPHENOL	10 U		10 U	10 U		10 U	10 U
2-NITROANILINE	25 U		50 U	25 U		25 U	25 U
2-NITROPHENOL	10 U		10 U	10 U		10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U		20 U	10 U		10 U	10 U
3-NITROANILINE	25 U		50 U	25 U		25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U		50 U	25 U		25 U	25 U
4-BROMOPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U		10 U	10 U		10 U	10 U
4-CHLOROANILINE	10 U		10 U	10 U		10 U	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U	10 U		10 U	10 U
4-METHYLPHENOL	10 U		10 U	10 U		10 U	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U		50 U	25 U		25 U	25 U
4-NITROPHENOL	25 U		50 U	25 U		25 U	25 U
ACENAPHTHENE	10 U		10 U	10 U		10 U	10 U
ACENAPHTHYLENE	10 U		10 U	10 U		10 U	10 U
ANTHRACENE	10 U		10 U	10 U		10 U	10 U
BENZO(A)ANTHRACENE	10 U		10 U	10 U		10 U	10 U
BENZO(A)PYRENE	10 U		10 U	10 U		10 U	10 U
BENZO(B)FLUORANTHENE	10 U		10 U	10 U		10 U	10 U
BENZO(G,H,I)PERYLENE	10 U		10 U	10 U		10 U	10 U
BENZO(K)FLUORANTHENE	10 U		10 U	10 U		10 U	10 U
BENZOIC ACID	50 U		50 U	0.5 J		50 U	50 U
BENZYL ALCOHOL	10 U		10 U	10 U		10 U	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U	10 U		10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U		10 U	10 U		10 U	10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U	10 U		10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		13	10 U		30 J	31 J
BUTYL BENZYL PHTHALATE	10 U		10 U	10 U		10 U	10 U
CARBAZOLE	10 U			10 U		10 U	10 U
CHRYSENE	10 U		10 U	10 U		10 U	10 U
DI-N-BUTYL PHTHALATE	10 U		10 U	10 U		10 U	10 U
DI-N-OCTYL PHTHALATE	10 U		10 U	10 U		10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U		10 U	10 U		10 U	10 U
DIBENZOFURAN	10 U		10 U	10 U		10 U	10 U
DIETHYL PHTHALATE	10 U		10 U	10 U		10 U	10 U
DIMETHYL PHTHALATE	10 U		10 U	10 U		10 U	10 U
FLUORANTHENE	10 U		10 U	10 U		10 U	10 U
FLUORENE	10 U		10 U	10 U		10 U	10 U
HEXACHLOROBENZENE	10 U		10 U	10 U		10 U	10 U
HEXACHLOROBUTADIENE	10 U		10 U	10 U		10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U		10 U	10 U		10 U	10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U		10 U	10 U		10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U		10 U	10 U		10 U	10 U
ISOPHORONE	10 U		10 U	10 U		10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U	10 U		10 U	10 U
N-NITROSODIPHENYLAMINE	10 U		10 U	10 U		10 U	10 U
NAPHTHALENE	10 U		10 U	10 U		10 U	10 U
NITROBENZENE	10 U		10 U	10 U		10 U	10 U
PENTACHLOROPHENOL	25 U		50 U	25 U		25 U	25 U
PHENANTHRENE	10 U		10 U	10 U		10 U	10 U
PHENOL	10 U		10 U	10 U		10 U	10 U
PYRENE	10 U		10 U	10 U		10 U	10 U
PESTICIDES/PCBs (UG/L)							
4,4'-DDD			0.1 U				
4,4'-DDE			0.1 U				
4,4'-DDT			0.1 U				
ALDRIN			0.051 U				
ALPHA-BHC			0.051 U				
ALPHA-CHLORDANE			0.51 U				
AROCLOR-1016			0.51 U				
AROCLOR-1221			0.51 U				
AROCLOR-1232			0.51 U				
AROCLOR-1242			0.51 U				
AROCLOR-1248			0.51 U				
AROCLOR-1254			1 U				
AROCLOR-1260			1 U				
BETA-BHC			0.051 U				
DELTA-BHC			0.051 U				
DIELDRIN			0.1 U				
ENDOSULFAN II			0.1 U				
ENDOSULFAN SULFATE			0.1 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I			0.051 U				
ENDRIN			0.1 U				
ENDRIN KETONE			0.1 U				
GAMMA-BHC (LINDANE)			0.051 U				
GAMMA-CHLORDANE			0.51 U				
HEPTACHLOR			0.051 U				
HEPTACHLOR EPOXIDE			0.051 U				
METHOXYCHLOR			0.51 U				
TOXAPHENE			1 U				
INORGANICS (UG/L)							
ALUMINUM	53.1 U	37.3 U	71.7	9910	7520	668	689
ANTIMONY	12.0 U	12.0 U	25.0 U	15.0 U	15.0 UJ	15.0 U	12.0 U
ARSENIC	2.0 U	2.0 U	3.0 U	2.3 J	2.0 U	6.5 J	5.0 UJ
BARIUM	207	210	26.2	75.2	71.8	25.0	25.3
BERYLLIUM	1.0 U	1.0 U	1.0 U	3.6	4.2	1.0 U	1.0 U
BORON	313	310	8.1 R	403	400	163	167
CADMIUM	3.9 J	2.0 U	2.0 U	4.8 U	4.5 U	2.0 U	2.0 U
CALCIUM	46500	46800	40500	127000	130000	40100	39900
CHROMIUM	3.0 U	3.0 U	5.0 U	3.0 U	3.0 UJ	3.0 U	3.0 U
COBALT	14.7	17.7	5.0 U	37.5	40.9	3.0 U	5.4 J
COPPER	6.1 J	2.0 UJ	5.5 J	4.2	2.0 U	10.2	9.8
CYANIDE			5.0 UJ				
IRON	48100	48700	2310	10100	1630	23400	25400
LEAD	3.3	1.0 U	2.0	2.0 UJ	2.0 U	3.4 U	3.7 U
MAGNESIUM	49600	50100	8830	38500	38600	9970	9990
MANGANESE	9270	9360	673	3280	3240	819	832
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	7.0 U	7.0 U	7.0 U	116	101	19.2	9.3 J
POTASSIUM	14700	15500	8330 J	11300	11900	6960	7120
SELENIUM	3.0 UJ	3.0 UJ	1.0 U	3.0 UJ	3.0 UJ	5.0 UJ	5.1 J

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW5S-2	2WGW5S-2	121890-2WMW6D	2WGW6D	2WGW6D	2WGW6D-2	2WGW6D-D-2
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	07/09/94	07/09/94	12/18/90	03/16/94	03/16/94	07/10/94	07/10/94
LOCATION:	2WMW5S	2WMW5S	2WMW6D	2WMW6D	2WMW6D	2WMW6D	2WMW6D
SCREEN DEPTH:	Shallow	Shallow	Deep	Deep	Deep	Deep	Deep
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered
FIELD DUPLICATE OF:							2WGW6D-2
INORGANICS (UG/L)							
SILVER	2.0 U	2.4 U	7.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U
SODIUM	580000	583000	94700	74100	75600	69300	69100
THALLIUM	8.6 J	7.0 J	2.0 U	1.0 UR	1.0 UR	5.0 U	6.0 J
VANADIUM	3.3 U	3.0 U	20.0 U	5.0 U	7.0 U	3.0 U	3.0 U
ZINC	3.1 U	6.1 U	21.1 J	274	262	47.6	49.1
RADIONUCLIDES (PCI/L)							
GROSS ALPHA			4.6 +/- 5.70				
GROSS BETA			12.4 +/- 3.90				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	328			476		144	140

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE			5 U	10 U			
1,1,2,2-TETRACHLOROETHANE			5 U	10 U			
1,1,2-TRICHLOROETHANE			5 U	10 U			
1,1-DICHLOROETHANE			5 U	10 U			
1,1-DICHLOROETHENE			5 U	10 U			
1,2-DICHLOROETHANE			5 U	10 U			
1,2-DICHLOROETHENE (TOTAL)			5 U	10 U			
1,2-DICHLOROPROPANE			5 U	10 U			
2-BUTANONE			10 U	10 U			
2-HEXANONE			10 U	10 U			
4-METHYL-2-PENTANONE			10 U	10 U			
ACETONE			10 U	10 U			
BENZENE			5 U	10 U			
BROMODICHLOROMETHANE			5 U	10 U			
BROMOFORM			5 U	10 U			
BROMOMETHANE			10 U	10 U			
CARBON DISULFIDE			5 U	10 U			
CARBON TETRACHLORIDE			5 U	10 U			
CHLOROBENZENE			5 U	10 U			
CHLOROETHANE			10 U	10 U			
CHLOROFORM			5 U	10 U			
CHLOROMETHANE			10 U	10 U			
CIS-1,3-DICHLOROPROPENE			5 U	10 U			
DIBROMOCHLOROMETHANE			5 U	10 U			
ETHYLBENZENE			5 U	10 U			
METHYLENE CHLORIDE			5 U	10 U			
STYRENE			5 U	10 U			
TETRACHLOROETHENE			5 U	10 U			
TOLUENE			5 U	10 U			
TRANS-1,3-DICHLOROPROPENE			5 U	10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
VOLATILES (UG/L)							
TRICHLOROETHENE			5 U	10 U			
VINYL ACETATE			10 U	10 U			
VINYL CHLORIDE			10 U	10 U			
XYLENES, TOTAL			5 U	10 U			
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE			10 U	10 U			
1,2-DICHLOROBENZENE			10 U	10 U			
1,3-DICHLOROBENZENE			10 U	10 U			
1,4-DICHLOROBENZENE			10 U	10 U			
2,4,5-TRICHLOROPHENOL			50 U	25 U			
2,4,6-TRICHLOROPHENOL			10 U	10 U			
2,4-DICHLOROPHENOL			10 U	10 U			
2,4-DIMETHYLPHENOL			10 U	10 U			
2,4-DINITROPHENOL			50 U	25 U			
2,4-DINITROTOLUENE			10 U	10 U			
2,6-DINITROTOLUENE			10 U	10 U			
2-CHLORONAPHTHALENE			10 U	10 U			
2-CHLOROPHENOL			10 U	10 U			
2-METHYLNAPHTHALENE			10 U	10 U			
2-METHYLPHENOL			10 U	10 U			
2-NITROANILINE			50 U	25 U			
2-NITROPHENOL			10 U	10 U			
3,3'-DICHLOROBENZIDINE			20 U	10 U			
3-NITROANILINE			50 U	25 U			
4,6-DINITRO-2-METHYLPHENOL			50 U	25 U			
4-BROMOPHENYL PHENYL ETHER			10 U	10 U			
4-CHLORO-3-METHYLPHENOL			10 U	10 U			
4-CHLOROANILINE			10 U	10 U			
4-CHLOROPHENYL PHENYL ETHER			10 U	10 U			
4-METHYLPHENOL			10 U	10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
SEMIVOLATILES (UG/L)							
4-NITROANILINE			50 U	25 U			
4-NITROPHENOL			50 U	25 U			
ACENAPHTHENE			10 U	10 U			
ACENAPHTHYLENE			10 U	10 U			
ANTHRACENE			10 U	10 U			
BENZO(A)ANTHRACENE			10 U	10 U			
BENZO(A)PYRENE			10 U	10 U			
BENZO(B)FLUORANTHENE			10 U	10 U			
BENZO(G,H,I)PERYLENE			10 U	10 U			
BENZO(K)FLUORANTHENE			10 U	10 U			
BENZOIC ACID			50 U	0.8 J			
BENZYL ALCOHOL			10 U	10 U			
BIS(2-CHLOROETHOXY)METHANE			10 U	10 U			
BIS(2-CHLOROETHYL)ETHER			10 U	10 U			
BIS(2-CHLOROISOPROPYL) ETHER			10 U	10 U			
BIS(2-ETHYLHEXYL)PHTHALATE			10 U	10 U			
BUTYL BENZYL PHTHALATE			10 U	10 U			
CARBAZOLE				10 U			
CHRYSENE			10 U	10 U			
DI-N-BUTYL PHTHALATE			10 U	10 U			
DI-N-OCTYL PHTHALATE			10 U	10 U			
DIBENZO(A,H)ANTHRACENE			10 U	10 U			
DIBENZOFURAN			10 U	10 U			
DIETHYL PHTHALATE			10 U	10 U			
DIMETHYL PHTHALATE			10 U	10 U			
FLUORANTHENE			10 U	10 U			
FLUORENE			10 U	10 U			
HEXACHLOROBENZENE			10 U	10 U			
HEXACHLOROBUTADIENE			10 U	10 U			
HEXACHLOROCYCLOPENTADIENE			10 U	10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE			10 U	10 U			
INDENO(1,2,3-CD)PYRENE			10 U	10 U			
ISOPHORONE			10 U	10 U			
N-NITROSO-DI-N-PROPYLAMINE			10 U	10 U			
N-NITROSODIPHENYLAMINE			10 U	10 U			
NAPHTHALENE			10 U	10 U			
NITROBENZENE			10 U	10 U			
PENTACHLOROPHENOL			50 U	25 U			
PHENANTHRENE			10 U	10 U			
PHENOL			10 U	10 U			
PYRENE			10 U	10 U			
PESTICIDES/PCBs (UG/L)							
4,4'-DDD			0.11 U				
4,4'-DDE			0.11 U				
4,4'-DDT			0.11 U				
ALDRIN			0.056 U				
ALPHA-BHC			0.056 U				
ALPHA-CHLORDANE			0.56 U				
AROCLOR-1016			0.56 U				
AROCLOR-1221			0.56 U				
AROCLOR-1232			0.56 U				
AROCLOR-1242			0.56 U				
AROCLOR-1248			0.56 U				
AROCLOR-1254			1.1 U				
AROCLOR-1260			1.1 U				
BETA-BHC			0.056 U				
DELTA-BHC			0.056 U				
DIELDRIN			0.11 U				
ENDOSULFAN II			0.11 U				
ENDOSULFAN SULFATE			0.11 U				

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I			0.056 U				
ENDRIN			0.11 U				
ENDRIN KETONE			0.11 U				
GAMMA-BHC (LINDANE)			0.056 U				
GAMMA-CHLORDANE			0.56 U				
HEPTACHLOR			0.056 U				
HEPTACHLOR EPOXIDE			0.056 U				
METHOXYCHLOR			0.56 U				
TOXAPHENE			1.1 U				
INORGANICS (UG/L)							
ALUMINUM	84.8 U	86.2 U	2060	2260	2180		
ANTIMONY	12.0 U	13.4 J	25.0 U	15.0 U	15.0 UJ		
ARSENIC	5.0 U	5.0 U	3.0 U	2.0 UR	2.0 U		
BARIUM	20.3	19.9	38.0	17.8	15.9		
BERYLLIUM	1.0 U	1.0 U	1.0	1.6 J	2.3		
BORON	166	161	7.5 R	90.7 J	96.8		
CADMIUM	2.0 U	2.0 U	2.0 U	2.1 U	3.2 U		
CALCIUM	39600	39500	18700	27400	27600		
CHROMIUM	3.5 U	3.0 UJ	5.0 U	3.0 U	3.0 UJ		
COBALT	6.0 U	3.0 U	14.3	20.7	29.2 U		
COPPER	2.6 U	2.7 U	5.0 U	3.0 J	2.0 U		
CYANIDE			5.0 UJ				
IRON	1170 J	1120 J	3140	394	383		
LEAD	2.0 U	2.0 U	2.5 J	2.0 UJ	2.0 U		
MAGNESIUM	10100	10000	4350	5880	5870		
MANGANESE	768	730	648	665	664		
MERCURY	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U		
NICKEL	10.4 J	7.0 U	39.7 J	48.0	45.5 U		
POTASSIUM	6810	6720	5510	6530	6590		
SELENIUM	5.0 UJ	5.0 UJ	1.0 U	3.0 UJ	3.0 UJ		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WGW6D-2	2WGW6DD-2	010291-2WMW6S	2WGW6S	2WGW6S		
INVESTIGATION:	PH2-2	PH2-2	PH1	PH2-1	PH2-1		
SAMPLE DATE:	07/10/94	07/10/94	01/02/91	03/16/94	03/16/94	/ /	/ /
LOCATION:	2WMW6D	2WMW6D	2WMW6S	2WMW6S	2WMW6S		
SCREEN DEPTH:	Deep	Deep	Shallow	Shallow	Shallow		
FILTERING:	Filtered	Filtered	Unfiltered	Unfiltered	Filtered		
FIELD DUPLICATE OF:		2WGW6D2DISS					
INORGANICS (UG/L)							
SILVER	2.0 U	2.0 U	7.0 U	2.0 UJ	2.0 UJ		
SODIUM	69000	69100	31200	21200	21300		
THALLIUM	5.0 U	5.0 U	2.0 UR	1.0 UR	1.0 UR		
VANADIUM	1.0 U	1.0 U	20.0 U	5.0 U	6.0 U		
ZINC	30.9	33.5	136	182	183		
RADIONUCLIDES (PCI/L)							
GROSS ALPHA			2.8 +/- 2.10				
GROSS BETA			4.4 +/- 3.20				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3				96			

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		10 U	10 U		10 U
1,1,2,2-TETRACHLOROETHANE	5 U	10 U		10 U	10 U		10 U
1,1,2-TRICHLOROETHANE	5 U	10 U		10 U	10 U		10 U
1,1-DICHLOROETHANE	5 U	10 U		10 U	10 U		10 U
1,1-DICHLOROETHENE	5 U	10 U		10 U	10 U		10 U
1,2-DICHLOROETHANE	5 U	10 U		10 U	10 U		10 U
1,2-DICHLOROETHENE (TOTAL)	5 U	10 U		10 U	10 U		10 U
1,2-DICHLOROPROPANE	5 U	10 U		10 U	10 U		10 U
2-BUTANONE	10 U	10 U		10 U	10 U		10 U
2-HEXANONE	10 U	10 U		10 U	10 R		10 R
4-METHYL-2-PENTANONE	10 U	10 U		10 U	10 U		10 U
ACETONE	10 U	10 U		10 U	10 R		14 U
BENZENE	5 U	10 U		10 U	10 U		10 U
BROMODICHLOROMETHANE	5 U	10 U		10 U	10 U		10 U
BROMOFORM	5 U	10 U		10 U	10 U		10 U
BROMOMETHANE	10 U	10 U		10 U	10 U		10 U
CARBON DISULFIDE	5 U	10 U		10 U	10 U		10 U
CARBON TETRACHLORIDE	5 U	10 U		10 U	10 U		10 U
CHLOROBENZENE	5 U	10 U		10 U	10 U		10 U
CHLOROETHANE	10 U	10 U		10 U	10 U		10 U
CHLOROFORM	5 U	10 U		10 U	10 U		10 U
CHLOROMETHANE	10 U	10 U		10 U	10 U		10 U
CIS-1,3-DICHLOROPROPENE	5 U	10 U		10 U	10 U		10 U
DIBROMOCHLOROMETHANE	5 U	10 U		10 U	10 U		10 U
ETHYLBENZENE	5 U	10 U		10 U	10 U		10 U
METHYLENE CHLORIDE	5 U	10 U		10 U	10 U		10 U
STYRENE	5 U	10 U		10 U	10 U		10 U
TETRACHLOROETHENE	5 U	10 U		10 U	10 U		2 J
TOLUENE	5 U	10 U		10 U	10 U		10 U
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		10 U	10 U		10 U
TRICHLOROETHENE	5 U	10 U		10 U	10 U		10 U

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
VINYL ACETATE	10 U	10 U		10 U	10 U		10 U
VINYL CHLORIDE	10 U	10 U		10 U	10 U		10 U
XYLENES, TOTAL	5 U	10 U		10 U	10 U		10 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U						
1,2-DICHLOROBENZENE	10 U						
1,3-DICHLOROBENZENE	10 U						
1,4-DICHLOROBENZENE	10 U						
2,4,5-TRICHLOROPHENOL	50 U						
2,4,6-TRICHLOROPHENOL	10 U						
2,4-DICHLOROPHENOL	10 U						
2,4-DIMETHYLPHENOL	10 U						
2,4-DINITROPHENOL	50 U						
2,4-DINITROTOLUENE	10 U						
2,6-DINITROTOLUENE	10 U						
2-CHLORONAPHTHALENE	10 U						
2-CHLOROPHENOL	10 U						
2-METHYLNAPHTHALENE	10 U						
2-METHYLPHENOL	10 U						
2-NITROANILINE	50 U						
2-NITROPHENOL	10 U						
3,3'-DICHLOROBENZIDINE	20 U						
3-NITROANILINE	50 U						
4,6-DINITRO-2-METHYLPHENOL	50 U						
4-BROMOPHENYL PHENYL ETHER	10 U						
4-CHLORO-3-METHYLPHENOL	10 U						
4-CHLOROANILINE	10 U						
4-CHLOROPHENYL PHENYL ETHER	10 U						
4-METHYLPHENOL	10 U						
4-NITROANILINE	50 U						
4-NITROPHENOL	50 U						

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
ACENAPHTHENE	10 U						
ACENAPHTHYLENE	10 U						
ANTHRACENE	10 U						
BENZO(A)ANTHRACENE	10 U						
BENZO(A)PYRENE	10 U						
BENZO(B)FLUORANTHENE	10 U						
BENZO(G,H,I)PERYLENE	10 U						
BENZO(K)FLUORANTHENE	10 U						
BENZOIC ACID	50 U						
BENZYL ALCOHOL	10 U						
BIS(2-CHLOROETHOXY)METHANE	10 U						
BIS(2-CHLOROETHYL)ETHER	10 U						
BIS(2-CHLOROISOPROPYL) ETHER	10 U						
BIS(2-ETHYLHEXYL)PHTHALATE	10 U						
BUTYL BENZYL PHTHALATE	10 U						
CHRYSENE	10 U						
DI-N-BUTYL PHTHALATE	10 U						
DI-N-OCTYL PHTHALATE	10 U						
DIBENZO(A,H)ANTHRACENE	10 U						
DIBENZOFURAN	10 U						
DIETHYL PHTHALATE	10 U						
DIMETHYL PHTHALATE	10 U						
FLUORANTHENE	10 U						
FLUORENE	10 U						
HEXACHLOROBENZENE	10 U						
HEXACHLOROBUTADIENE	10 U						
HEXACHLOROCYCLOPENTADIENE	10 U						
HEXACHLOROETHANE	10 U						
INDENO(1,2,3-CD)PYRENE	10 U						
ISOPHORONE	10 U						
N-NITROSO-DI-N-PROPYLAMINE	10 U						

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
N-NITROSODIPHENYLAMINE	10 U						
NAPHTHALENE	10 U						
NITROBENZENE	10 U						
PENTACHLOROPHENOL	50 U						
PHENANTHRENE	10 U						
PHENOL	10 U						
PYRENE	10 U						
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
4,4'-DDE	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
4,4'-DDT	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
ALDRIN	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
ALPHA-BHC	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
ALPHA-CHLORDANE	0.52 U	0.05 U		0.05 U	0.05 U		0.05 U
AROCLOR-1016	0.52 U	1 U		1 U	1 U		1 U
AROCLOR-1221	0.52 U	2 U		2 U	2 U		2 U
AROCLOR-1232	0.52 U	1 U		1 U	1 U		1 U
AROCLOR-1242	0.52 U	1 U		1 U	1 U		1 U
AROCLOR-1248	0.52 U	1 U		1 U	1 U		1 U
AROCLOR-1254	1 U	1 U		1 U	1 U		1 U
AROCLOR-1260	1 U	1 U		1 U	1 U		1 U
BETA-BHC	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
DELTA-BHC	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
DIELDRIN	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
ENDOSULFAN II	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
ENDOSULFAN SULFATE	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
ENDOSULFAN-I	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
ENDRIN	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
ENDRIN ALDEHYDE		0.1 U		0.1 U	0.1 U		0.1 U
ENDRIN KETONE	0.1 U	0.1 U		0.1 U	0.1 U		0.1 U
GAMMA-BHC (LINDANE)	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
GAMMA-CHLORDANE	0.52 U	0.05 U		0.05 U	0.05 U		0.05 U
HEPTACHLOR	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
HEPTACHLOR EPOXIDE	0.052 U	0.05 U		0.05 U	0.05 U		0.05 U
METHOXYCHLOR	0.52 U	0.5 U		0.5 U	0.5 U		0.5 U
TOXAPHENE	1 U	5 U		5 U	5 U		5 U
INORGANICS (UG/L)							
ALUMINUM	137	20900	157	1200	99.8	94.7	66.9 J
ANTIMONY	25.0 U	18.0 U	18.0 U	18.0 UJ	18.0 U	18.0 U	18.0 U
ARSENIC	3.0 U	2.9	2.0 U	2.0 U	2.8	2.0 U	2.8
BARIUM	22.3	76.1 U	16.6 U	10.4 UJ	45.8 U	30.1 U	97.6
BERYLLIUM	1.0 U	4.6 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
BORON	1.7 R	270	50.0 U	50.0 U	197	75.9 J	154
CADMIUM	13.7	2.8 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
CALCIUM	7890	29300	7420	1070	27000	25700	46500
CHROMIUM	6.8	6.5 U	3.0 U	3.6 UJ	3.0 U	3.0 U	3.0 U
COBALT	5.0 U	63.9	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
COPPER	13.0 J	29.3 J	2.0 UJ	6.1 J	2.0 UJ	2.0 UJ	2.0 UJ
CYANIDE	5.0 U						
IRON	293 J	9030	309	1070 J	7100	2860	11300
LEAD	7.8	2.0 J	1.8 J	4.5 J	1.0 R	1.0 U	1.0 R
MAGNESIUM	2070	18500	2270	443	8620	8190	10300
MANGANESE	52.0 J	1860	96.1	43.7 J	624	325	596
MERCURY	0.2 U	0.2 U	0.2 U	0.2 R	0.2 U	0.2 U	0.2 U
NICKEL	7.0 U	84.7	11.0 U	11.0 UJ	11.0 U	11.0 U	11.0 U
POTASSIUM	4020 J	7010	2450	1170	8400	7990	10300
SELENIUM	1.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
SILVER	7.0 U	2.0 UJ	2.0 UJ	3.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
SODIUM	22100	20800	32300	1640 U	87600	82100	111000
THALLIUM	2.0 U	3.0 R	3.0 R	3.0 UJ	3.0 R	15.0 R	3.0 R
VANADIUM	20.0 U	3.0 U	3.0 U	4.3 J	3.0 U	3.0 U	3.0 U
ZINC	22.8 J	318	31.4	60.3	14.4 U	17.9 U	16.9 U

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	121090-2WSW1	2WSW1	2WSW1 DISS	2WSW10	2WSW11	2WSW11 DISS	2WSW12
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	12/10/90	11/30/93	11/30/93	12/05/93	11/23/93	11/23/93	11/23/93
LOCATION:	2WSW1	2WSW1	2WSW1	2WSW10	2WSW11	2WSW11	2WSW12
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:							
RADIONUCLIDES (PCI/L)							
GROSS ALPHA	0.400 +/- 1.60						
GROSS BETA	1.60 +/- 2.70						
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		148		16	128		160

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		5 U	5 U	10 U		10 U	
1,1,2,2-TETRACHLOROETHANE		5 U	5 U	10 U		10 U	
1,1,2-TRICHLOROETHANE		5 U	5 U	10 U		10 U	
1,1-DICHLOROETHANE		5 U	5 U	10 U		10 U	
1,1-DICHLOROETHENE		5 U	5 U	10 U		10 U	
1,2-DICHLOROETHANE		5 U	5 U	10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)		5 U	5 U	10 U		10 U	
1,2-DICHLOROPROPANE		5 U	5 U	10 U		10 U	
2-BUTANONE		10 U	10 U	10 U		10 U	
2-HEXANONE		10 U	10 U	10 R		10 U	
4-METHYL-2-PENTANONE		10 U	10 U	10 U		10 U	
ACETONE		10 U	10 U	10 R		10 U	
BENZENE		5 U	5 U	10 U		10 U	
BROMODICHLOROMETHANE		5 U	5 U	10 U		10 U	
BROMOFORM		5 U	5 U	10 U		10 U	
BROMOMETHANE		10 U	10 U	10 U		10 U	
CARBON DISULFIDE		5 U	5 U	10 U		10 U	
CARBON TETRACHLORIDE		5 U	5 U	10 U		10 U	
CHLOROBENZENE		5 U	5 U	10 U		10 U	
CHLOROETHANE		10 U	10 U	10 U		10 U	
CHLOROFORM		5 U	5 U	10 U		10 U	
CHLOROMETHANE		10 U	10 U	10 U		10 U	
CIS-1,3-DICHLOROPROPENE		5 U	5 U	10 U		10 U	
DIBROMOCHLOROMETHANE		5 U	5 U	10 U		10 U	
ETHYLBENZENE		5 U	5 U	10 U		10 U	
METHYLENE CHLORIDE		5 U	5 U	10 U		10 U	
STYRENE		5 U	5 U	10 U		10 U	
TETRACHLOROETHENE		5 U	5 U	10 U		10 U	
TOLUENE		5 U	5 U	10 U		10 U	
TRANS-1,3-DICHLOROPROPENE		5 U	5 U	10 U		10 U	
TRICHLOROETHENE		5 U	5 U	10 U		10 U	

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
VOLATILES (UG/L)							
VINYL ACETATE		10 U	10 U	10 U		10 U	
VINYL CHLORIDE		10 U	10 U	10 U		10 U	
XYLENES, TOTAL		5 U	5 U	10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		10 U	10 UJ	10 U			
1,2-DICHLOROBENZENE		10 U	10 UJ	10 U			
1,3-DICHLOROBENZENE		10 U	10 UJ	10 U			
1,4-DICHLOROBENZENE		10 U	10 UJ	10 U			
2,4,5-TRICHLOROPHENOL		50 U	50 UJ	25 U			
2,4,6-TRICHLOROPHENOL		10 U	10 UJ	10 U			
2,4-DICHLOROPHENOL		10 U	10 UJ	10 U			
2,4-DIMETHYLPHENOL		10 U	10 UJ	10 U			
2,4-DINITROPHENOL		50 U	50 UJ	25 U			
2,4-DINITROTOLUENE		10 U	10 UJ	10 U			
2,6-DINITROTOLUENE		10 U	10 UJ	10 U			
2-CHLORONAPHTHALENE		10 U	10 UJ	10 U			
2-CHLOROPHENOL		10 U	10 UJ	10 U			
2-METHYLNAPHTHALENE		10 U	10 UJ	10 U			
2-METHYLPHENOL		10 U	10 UJ	10 U			
2-NITROANILINE		50 U	50 UJ	25 U			
2-NITROPHENOL		10 U	10 UJ	10 U			
3,3'-DICHLOROBENZIDINE		20 U	20 UJ	10 U			
3-NITROANILINE		50 U	50 UJ	25 U			
4,6-DINITRO-2-METHYLPHENOL		50 U	50 UJ	25 U			
4-BROMOPHENYL PHENYL ETHER		10 U	10 UJ	10 U			
4-CHLORO-3-METHYLPHENOL		10 U	10 UJ	10 U			
4-CHLOROANILINE		10 U	10 UJ	10 U			
4-CHLOROPHENYL PHENYL ETHER		10 U	10 UJ	10 U			
4-METHYLPHENOL		10 U	10 UJ	10 U			
4-NITROANILINE		50 U	50 UJ	25 U			
4-NITROPHENOL		50 U	50 UJ	25 U			

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
SEMIVOLATILES (UG/L)							
ACENAPHTHENE		10 U	10 UJ	10 U			
ACENAPHTHYLENE		10 U	10 UJ	10 U			
ANTHRACENE		10 U	10 UJ	10 U			
BENZO(A)ANTHRACENE		10 U	10 UJ	10 U			
BENZO(A)PYRENE		10 U	10 UJ	10 U			
BENZO(B)FLUORANTHENE		10 U	10 UJ	10 U			
BENZO(G,H,I)PERYLENE		10 U	10 UJ	10 U			
BENZO(K)FLUORANTHENE		10 U	10 UJ	10 U			
BENZOIC ACID		50 U	50 UJ	25 U			
BENZYL ALCOHOL		10 U	10 UJ	10 U			
BIS(2-CHLOROETHOXY)METHANE		10 U	10 UJ	10 U			
BIS(2-CHLOROETHYL)ETHER		10 U	10 UJ	10 U			
BIS(2-CHLOROISOPROPYL) ETHER		10 U	10 UJ	10 U			
BIS(2-ETHYLHEXYL)PHTHALATE		10 U	10 UJ	10 U			
BUTYL BENZYL PHTHALATE		10 U	10 UJ	10 U			
CARBAZOLE				10 U			
CHRYSENE		10 U	10 UJ	10 U			
DI-N-BUTYL PHTHALATE		10 U	10 UJ	10 U			
DI-N-OCTYL PHTHALATE		10 U	10 UJ	10 U			
DIBENZO(A,H)ANTHRACENE		10 U	10 UJ	10 U			
DIBENZOFURAN		10 U	10 UJ	10 U			
DIETHYL PHTHALATE		10 U	2 J	10 U			
DIMETHYL PHTHALATE		10 U	10 UJ	10 U			
FLUORANTHENE		10 U	10 UJ	10 U			
FLUORENE		10 U	10 UJ	10 U			
HEXACHLOROBENZENE		10 U	10 UJ	10 U			
HEXACHLOROBUTADIENE		10 U	10 UJ	10 U			
HEXACHLOROCYCLOPENTADIENE		10 U	10 UJ	10 U			
HEXACHLOROETHANE		10 U	10 UJ	10 U			
INDENO(1,2,3-CD)PYRENE		10 U	10 UJ	10 U			
ISOPHORONE		10 U	10 UJ	10 U			

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
SEMIVOLATILES (UG/L)							
N-NITROSO-DI-N-PROPYLAMINE		10 U	10 UJ	10 U			
N-NITROSODIPHENYLAMINE		10 U	10 UJ	10 U			
NAPHTHALENE		10 U	10 UJ	10 U			
NITROBENZENE		10 U	10 UJ	10 U			
PENTACHLOROPHENOL		50 U	50 UJ	25 U			
PHENANTHRENE		10 U	10 UJ	10 U			
PHENOL		10 U	10 UJ	10 U			
PYRENE		10 U	10 UJ	10 U			
PESTICIDES/PCBs (UG/L)							
4,4'-DDD		0.1 U	0.1 U	0.1 U		0.1 UJ	
4,4'-DDE		0.1 U	0.1 U	0.1 U		0.1 UJ	
4,4'-DDT		0.1 U	0.1 U	0.1 U		0.1 UJ	
ALDRIN		0.05 U	0.05 U	0.05 U		0.05 UJ	
ALPHA-BHC		0.05 U	0.05 U	0.05 U		0.05 UJ	
ALPHA-CHLORDANE		0.5 U	0.5 U	0.05 U		0.05 UJ	
AROCLOR-1016		0.5 U	0.5 U	1 U		1 U	
AROCLOR-1221		0.5 U	0.5 U	2 U		2 U	
AROCLOR-1232		0.5 U	0.5 U	1 U		1 U	
AROCLOR-1242		0.5 U	0.5 U	1 U		1 U	
AROCLOR-1248		0.5 U	0.5 U	1 U		1 U	
AROCLOR-1254		1 U	1 U	1 U		1 U	
AROCLOR-1260		1 U	1 U	1 U		1 U	
BETA-BHC		0.05 U	0.05 U	0.05 U		0.05 UJ	
DELTA-BHC		0.05 U	0.05 U	0.05 U		0.05 UJ	
DIELDRIN		0.1 U	0.1 U	0.1 U		0.1 UJ	
ENDOSULFAN II		0.1 U	0.1 U	0.1 U		0.1 UJ	
ENDOSULFAN SULFATE		0.1 U	0.1 U	0.1 U		0.1 UJ	
ENDOSULFAN-I		0.05 U	0.05 U	0.05 U		0.05 UJ	
ENDRIN		0.1 U	0.1 U	0.1 U		0.1 UJ	
ENDRIN ALDEHYDE				0.1 U		0.1 UJ	
ENDRIN KETONE		0.1 U	0.1 U	0.1 U		0.1 UJ	

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
PESTICIDES/PCBs (UG/L)							
GAMMA-BHC (LINDANE)		0.05 U	0.05 U	0.05 U		0.05 UJ	
GAMMA-CHLORDANE		0.5 U	0.5 U	0.05 U		0.05 UJ	
HEPTACHLOR		0.05 U	0.05 U	0.05 U		0.05 UJ	
HEPTACHLOR EPOXIDE		0.05 U	0.05 U	0.05 U		0.05 UJ	
METHOXYCHLOR		0.5 U	0.5 U	0.5 U		0.5 UJ	
TOXAPHENE		1 U	1 U	5 U		5 UJ	
INORGANICS (UG/L)							
ALUMINUM	95.4	153	98.2	586	86.3	20800	259
ANTIMONY	18.0 U	25.0 U	25.0 U	18.0 U	18.0 U	18.0 U	18.0 U
ARSENIC	2.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BARIUM	83.3	23.8	26.2	115	91.2	73.5 U	23.1 U
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.6 U	1.0 U
BORON	119	2.1 R	2.2 R	369	111	121	222
CADMIUM	2.0 UJ	126 J	7.1 J	2.0 UJ	2.1 U	4.4 U	2.0 UJ
CALCIUM	45300	10000	11900	36700	35600	29800	7640
CHROMIUM	3.0 U	5.0 U	5.0 U	3.0 U	3.0 U	4.5 U	3.0 U
COBALT	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	66.8	5.0 U
COPPER	2.0 UJ	13.2 J	9.7 J	3.1 U	5.3 U	16.8 U	2.0 UJ
CYANIDE		5.0 U	5.0 U				
IRON	19400	4010 J	2820 J	3320	699	10800	548
LEAD	1.0 U	2.0	2.0 U	2.1 J	1.0 U	5.0 J	1.0 R
MAGNESIUM	9630	4350	4920	11600	10800	18200	2410
MANGANESE	571	136	126	591	551	1870	99.8
MERCURY	0.22 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NICKEL	11.0 U	7.3	7.0 U	11.1 J	11.0 U	82.1	11.0 U
POTASSIUM	9800	7990 J	8960 J	15300	14700	6810	2490
SELENIUM	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 UL	2.0 U
SILVER	2.0 UJ	7.0 U	7.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
SODIUM	103000	56700	68100	143000	133000	19700	34900
THALLIUM	3.0 R	2.0 U	2.0 U	3.0 R	15.0 R	3.0 R	15.0 R
VANADIUM	3.0 U	20.0 U	20.0 U	3.0 U	3.0 U	3.0 U	3.0 U

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW12 DISS	121090-2WSW2	121090-2WSW3	2WSW2	2WSW2 DISS	2WSW6	2WSW6 DISS
INVESTIGATION:	PH2-1	PH1	PH1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE DATE:	11/23/93	12/10/90	12/10/90	11/23/93	11/23/93	11/30/93	11/30/93
LOCATION:	2WSW12	2WSW2	2WSW2	2WSW2	2WSW2	2WSW6	2WSW6
FILTERING:	Filtered	Unfiltered	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:			121090-2WSW2				
INORGANICS (UG/L)							
ZINC	3.0 U	19.6 J	10.3 J	47.6	29.6	334	27.7
RADIONUCLIDES (PCI/L)							
GROSS ALPHA		0.700 +/- 2.10	2.50 +/- 2.30				
GROSS BETA		6.90 +/- 3.10	11.0 +/- 3.20				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3				148		32	

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW7	2WSW7 DISS	2WSW8	2WSW9			
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1			
SAMPLE DATE:	12/05/93	12/05/93	12/02/93	12/02/93	/ /	/ /	/ /
LOCATION:	2WSW7	2WSW7	2WSW8	2WSW9			
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered			
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U	10 U			
1,1,2,2-TETRACHLOROETHANE	10 U		10 U	10 U			
1,1,2-TRICHLOROETHANE	10 U		10 U	10 U			
1,1-DICHLOROETHANE	10 U		10 U	10 U			
1,1-DICHLOROETHENE	10 U		10 U	10 U			
1,2-DICHLOROETHANE	10 U		10 U	10 U			
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U	10 U			
1,2-DICHLOROPROPANE	10 U		10 U	10 U			
2-BUTANONE	10 U		10 U	10 U			
2-HEXANONE	10 U		10 R	10 R			
4-METHYL-2-PENTANONE	10 U		10 U	10 U			
ACETONE	10 U		10 R	10 R			
BENZENE	10 U		10 U	10 U			
BROMODICHLOROMETHANE	10 U		10 U	10 U			
BROMOFORM	10 U		10 U	10 U			
BROMOMETHANE	10 U		10 U	10 U			
CARBON DISULFIDE	10 U		10 U	10 U			
CARBON TETRACHLORIDE	10 U		10 U	10 U			
CHLOROBENZENE	10 U		10 U	10 U			
CHLOROETHANE	10 U		10 U	10 U			
CHLOROFORM	10 U		10 U	10 U			
CHLOROMETHANE	10 U		10 U	10 U			
CIS-1,3-DICHLOROPROPENE	10 U		10 U	10 U			
DIBROMOCHLOROMETHANE	10 U		10 U	10 U			
ETHYLBENZENE	10 U		10 U	10 U			
METHYLENE CHLORIDE	10 U		10 U	10 U			
STYRENE	10 U		10 U	10 U			
TETRACHLOROETHENE	10 U		10 U	10 U			
TOLUENE	10 U		10 U	10 U			
TRANS-1,3-DICHLOROPROPENE	10 U		10 U	10 U			
TRICHLOROETHENE	10 U		10 U	10 U			

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW7	2WSW7 DISS	2WSW8	2WSW9			
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1			
SAMPLE DATE:	12/05/93	12/05/93	12/02/93	12/02/93	/ /	/ /	/ /
LOCATION:	2WSW7	2WSW7	2WSW8	2WSW9			
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered			
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
VINYL ACETATE	10 U		10 U	10 U			
VINYL CHLORIDE	10 U		10 U	10 U			
XYLENES, TOTAL	10 U		10 U	10 U			
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U		0.1 U	0.1 U			
4,4'-DDE	0.1 U		0.1 U	0.1 U			
4,4'-DDT	0.1 U		0.1 U	0.1 U			
ALDRIN	0.05 U		0.05 U	0.05 U			
ALPHA-BHC	0.05 U		0.05 U	0.05 U			
ALPHA-CHLORDANE	0.05 U		0.05 U	0.05 U			
AROCLOR-1016	1 U		1 U	1 U			
AROCLOR-1221	2 U		2 U	2 U			
AROCLOR-1232	1 U		1 U	1 U			
AROCLOR-1242	1 U		1 U	1 U			
AROCLOR-1248	1 U		1 U	1 U			
AROCLOR-1254	1 U		1 U	1 U			
AROCLOR-1260	1 U		1 U	1 U			
BETA-BHC	0.05 U		0.05 U	0.05 U			
DELTA-BHC	0.05 U		0.05 U	0.05 U			
DIELDRIN	0.1 U		0.1 U	0.1 U			
ENDOSULFAN II	0.1 U		0.1 U	0.1 U			
ENDOSULFAN SULFATE	0.1 U		0.1 U	0.1 U			
ENDOSULFAN-I	0.05 U		0.05 U	0.05 U			
ENDRIN	0.1 U		0.1 U	0.1 U			
ENDRIN ALDEHYDE	0.1 U		0.1 U	0.1 U			
ENDRIN KETONE	0.1 U		0.1 U	0.1 U			
GAMMA-BHC (LINDANE)	0.05 U		0.05 U	0.05 UJ			
GAMMA-CHLORDANE	0.05 U		0.05 U	0.05 U			
HEPTACHLOR	0.05 U		0.05 U	0.05 U			
HEPTACHLOR EPOXIDE	0.05 U		0.05 U	0.05 U			
METHOXYCHLOR	0.5 U		0.5 U	0.5 U			

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WSW7	2WSW7 DISS	2WSW8	2WSW9			
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1			
SAMPLE DATE:	12/05/93	12/05/93	12/02/93	12/02/93	/ /	/ /	/ /
LOCATION:	2WSW7	2WSW7	2WSW8	2WSW9			
FILTERING:	Unfiltered	Filtered	Unfiltered	Unfiltered			
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
TOXAPHENE	5 U		5 U	5 U			
INORGANICS (UG/L)							
ALUMINUM	117 U	136 U	93.9	71.7 J			
ANTIMONY	18.0 UJ	18.0 UJ	18.0 U	18.0 U			
ARSENIC	2.0 U	2.0 U	2.0 U	2.0 U			
BARIUM	8.0 U	8.0 U	20.0 U	19.0 U			
BERYLLIUM	1.0 UJ	1.0 UJ	1.0 U	1.0 U			
BORON	50.0 U	50.0 U	50.0 U	50.0 U			
CADMIUM	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ			
CALCIUM	272 J	256 J	9350	8900			
CHROMIUM	3.0 UJ	3.0 UJ	3.0 U	3.0 U			
COBALT	5.0 UJ	5.0 UJ	5.0 U	5.0 U			
COPPER	7.7 J	4.5 J	2.0 UJ	2.0 UJ			
IRON	9.9 UJ	110	11.9 U	5.7 U			
LEAD	1.0 UJ	6.1 J	1.0 R	1.0 R			
MAGNESIUM	94.0 U	103 J	2310	2260			
MANGANESE	6.0 UJ	9.6 J	6.4 U	6.1 U			
MERCURY	0.2 R	0.2 U	0.2 U	0.21 J			
NICKEL	11.0 UJ	11.0 UJ	11.0 U	11.0 U			
POTASSIUM	447 J	542 J	1860	2040			
SELENIUM	2.0 UJ	2.0 UJ	2.0 U	2.0 U			
SILVER	3.0 UJ	3.0 UJ	2.0 UJ	2.0 UJ			
SODIUM	1150 U	720 U	24200	23200			
THALLIUM	3.0 UJ	3.0 UJ	3.0 R	3.0 R			
VANADIUM	3.0 UJ	3.3 J	3.0 U	3.0 U			
ZINC	9.7 UJ	17.9 UJ	3.0 U	3.3 U			
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	1 U		32	32			

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WMW2(0-2)	2WMW3(10-12)	2WMW3(16-18)	2WMW5(0-2)	2WTB11(0-2)	2WMW5(10-12)	2WMW5(13)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	08/23/90	08/21/90	08/21/90	09/04/90	09/04/90	09/04/90	09/04/90
LOCATION:	2WMW2S	2WMW3S	2WMW3S	2WMW5S	2WMW5S	2WMW5S	2WMW5S
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:					2WMW5(0-2)		
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.220	0.210	0.230	0.0020 U	0.0020 U	0.0024	0.0020 U
BARIUM (100.0/1.0)	0.360	0.330	0.0780	0.0320 U	0.0380	0.120	0.0930
CADMIUM (1.0/0.005)	0.0063	0.0050 U	0.0050 U	0.0140 U	0.0140 U	0.0140 U	0.0160
CHROMIUM (5.0/0.05)	0.0500 U	0.0500 U	0.0500 U	0.0400 J	0.0490 J	0.0380 J	0.0630 J
LEAD (5.0/0.015)	0.100 U	0.100 U	0.100 U	0.0020 U	0.0027 J	0.0020 U	0.0056 J
MERCURY (0.2/0.002)	0.0002 U	0.0003 U	0.0003 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
SELENIUM (1.0/0.05)	0.160 J	0.100 U	0.160 J	0.0036 J	0.0029 J	0.0043 J	0.0051 J
SILVER (5.0/0.036)	0.0092 J	0.0080 UJ	0.0080 UJ	0.0660 U	0.0660 U	0.0660 U	0.0660 U

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WMW5(4-6)	2WMW6(2-4)	2WTB1(10-12)	2WTB1(15-17)	2WTB1(20-22)	2WTB1(8-10)	2WTB2(0-2)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	09/04/90	10/03/90	09/05/90	09/05/90	09/05/90	09/05/90	09/06/90
LOCATION:	2WMW5S	2WMW6S	2WTB1	2WTB1	2WTB1	2WTB1	2WTB2
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.0087	0.100 U	0.0096	0.0120	0.0081	0.0099	0.0020 U
BARIUM (100.0/1.0)	0.0510	0.0320 U	0.120	0.130	0.0970	0.120	0.670 J
CADMIUM (1.0/0.005)	0.0140 U	0.0050 U	0.0140 U	0.0140 J	0.0140 U	0.0140 U	0.0230
CHROMIUM (5.0/0.05)	0.0380 J	0.0500 U	0.0470 J	0.0490 J	0.0430 J	0.0500 J	0.0750 J
LEAD (5.0/0.015)	0.0024 J	1.50	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0020 U
MERCURY (0.2/0.002)	0.0004 U	0.0020 U	0.0002 U	0.0020 U	0.0004 U	0.0020 U	0.0008 U
SELENIUM (1.0/0.05)	0.0045 J	0.100 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0093 J
SILVER (5.0/0.036)	0.0660 U	0.0080 U	0.0660 U	0.0660 U	0.0660 U	0.0660 U	0.0660 U

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	090690-2WTB9(4-6)	2WTB2(10-12)	2WTB2(15-17)	2WTB2(20-22)	2WTB2(4-6)	2WTB3(10-12)	2WTB3(15-17)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	09/06/90	09/06/90	09/06/90	09/06/90	09/06/90	08/31/90	08/31/90
LOCATION:	2WTB2	2WTB2	2WTB2	2WTB2	2WTB2	2WTB3	2WTB3
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:	2WTB2(0-2)						
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.0200 U	0.0064	0.0100	0.0120	0.0200 U	0.350 J	0.410 J
BARIUM (100.0/1.0)	0.300 J	0.120	0.140	0.130	0.140	0.0320 U	0.0460
CADMIUM (1.0/0.005)	0.0240	0.0140	0.0150	0.0140	0.0150	0.0050 U	0.0050 U
CHROMIUM (5.0/0.05)	0.0530 J	0.0450 J	0.0790 J	0.0660 J	0.0770 J	0.0500 U	0.0500 U
LEAD (5.0/0.015)	0.0020 U	0.0022 J	0.0099 J	0.0200 U	0.0200 U	0.100 UJ	0.100 UJ
MERCURY (0.2/0.002)	0.0020 U	0.0020 U	0.0004 U	0.0020 U	0.0020 U	0.0003	0.0020 U
SELENIUM (1.0/0.05)	0.0200 U	0.0043 J	0.0056 J	0.0200 U	0.0200 U	0.150 J	0.230 J
SILVER (5.0/0.036)	0.0660	0.0660 U	0.0660 U	0.0660 U	0.0680	0.380 J	0.0110 J

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WTB3(20-22)	2WTB3(4-6)	083190-2WTB9(4-6)	2WTB4(0-2)	2WTB6(0-2)	2WTB6(15-17)	2WTB6(20-22)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	08/31/90	08/31/90	08/31/90	09/06/90	09/06/90	09/06/90	09/06/90
LOCATION:	2WTB3	2WTB3	2WTB3	2WTB4	2WTB6	2WTB6	2WTB6
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			083190-2WTB3(4-6)				
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.260 J	0.220 J	0.260 J	0.0020 U	0.0064	0.0200 U	0.0120
BARIUM (100.0/1.0)	0.0320 U	0.0320 U	0.0410	0.0750	0.120	0.120	0.140
CADMIUM (1.0/0.005)	0.0100	0.0050 U	0.0094	0.0140 U	0.0160 J	0.0160	0.0150
CHROMIUM (5.0/0.05)	0.0500 U	0.0500 U	0.0500 U	0.0470 J	0.0540 J	0.0650 J	0.0750 J
LEAD (5.0/0.015)	0.100 UJ	0.100 UJ	0.100 J	0.0200 U	0.0180 J	0.0200 U	0.0200 U
MERCURY (0.2/0.002)	0.0004 U	0.0006	0.0002 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
SELENIUM (1.0/0.05)	0.170 J	0.100 U	0.120 J	0.0200 U	0.0200 U	0.0200 U	0.0200 U
SILVER (5.0/0.036)	0.0081 J	0.130 J	0.0080 UJ	0.0660 U	0.0700 J	0.0670	0.0660 U

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WTB6(4-6)	2WTB7(0-2)	2WTB7(25-27)	2WTB7(10-12)	2WTB7(4-6)	2WTB8(1-3)	2WTB8(10-12)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH1	PH1	PH1
SAMPLE DATE:	09/06/90	09/05/90	09/05/90	09/05/90	09/05/90	08/30/90	08/30/90
LOCATION:	2WTB6	2WTB7	2WTB7	2WTB7	2WTB7	2WTB8	2WTB8
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WTB7(0-2)				
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U	0.0030 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
ENDRIN (0.02/NA)	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
HEPTACHLOR (0.008/NA)	0.0002 U	0.0003 U	0.0002 U	0.0002 U	0.0003 U	0.0002 U	0.0002 U
METHOXYCHLOR (10.0/NA)	0.0020 U	0.0030 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
TOXAPHENE (0.5/NA)	0.0020 U	0.0030 U	0.0020 U	0.0020 U	0.0030 U	0.0020 U	0.0020 U
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.0091	0.0200 U	0.0020 U	0.0050	0.0070	0.170 J	0.210 J
BARIUM (100.0/1.0)	0.110	0.130 J	0.0570 J	0.0440	0.0430	0.210	0.0520
CADMIUM (1.0/0.005)	0.0140 J	0.0150	0.0140	0.0160	0.0140	0.0050 U	0.0077
CHROMIUM (5.0/0.05)	0.0530 J	0.0430 J	0.0400 J	0.0400 J	0.0390 J	0.0500 U	0.0500 U
LEAD (5.0/0.015)	0.0200 U	0.0200 U	0.0130 J	0.0190 J	0.0170 J	0.100 UJ	0.100 UJ
MERCURY (0.2/0.002)	0.0020 U	0.0040 U	0.0004 U	0.0002 U	0.0008 U	0.0004 U	0.0002 U
SELENIUM (1.0/0.05)	0.0200 U	0.0042 J	0.0042 J	0.0045 J	0.0061 J	0.100 U	0.130 J
SILVER (5.0/0.036)	0.0660 U	0.0660 U	0.0660 U	0.0660 U	0.0660 U	0.0080 UJ	0.110 J

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	2WTB8(6-8)						
INVESTIGATION:	PH1						
SAMPLE DATE:	08/30/90						
LOCATION:	2WTB8						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 U						
ENDRIN (0.02/NA)	0.0002 U						
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 U						
HEPTACHLOR (0.008/NA)	0.0002 U						
METHOXYCHLOR (10.0/NA)	0.0020 U						
TOXAPHENE (0.5/NA)	0.0020 U						
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.230 J						
BARIUM (100.0/1.0)	0.240						
CADMIUM (1.0/0.005)	0.0050 U						
CHROMIUM (5.0/0.05)	0.0500 U						
LEAD (5.0/0.015)	0.100 UJ						
MERCURY (0.2/0.002)	0.0002 U						
SELENIUM (1.0/0.05)	0.100 U						
SILVER (5.0/0.036)	0.0080 UJ						

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SEDIMENT)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD1(0-0.5)	112690-2WSD10(0-0.5)	112690-2WSD2(0-0.5)	112690-2WSD3(0-0.5)	2WSD39	112690-2WSD4(0-0.5)	112690-2WSD5(0-0.5)
INVESTIGATION:	PH1	PH1	PH1	PH1	PH2-1	PH1	PH1
SAMPLE DATE:	11/26/90	11/26/90	11/26/90	11/26/90	11/20/93	11/26/90	11/26/90
LOCATION:	2WSD1	2WSD1	2WSD2	2WSD3	2WSD39	2WSD4	2WSD5
SAMPLE TYPE:	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	GRAB	COMPOSITE	COMPOSITE
STATUS:							
FIELD DUPLICATE OF:		2WSD1(0-0.5)					
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ		0.0020 UJ	0.0020 UJ
ENDRIN (0.02/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ		0.0002 UJ	0.0002 UJ
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ		0.0002 UJ	0.0002 UJ
HEPTACHLOR (0.008/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ		0.0002 UJ	0.0002 UJ
METHOXYCHLOR (10.0/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ		0.0020 UJ	0.0020 UJ
TOXAPHENE (0.5/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ		0.0020 UJ	0.0020 UJ
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.300 U	0.300 U	0.300 U	0.300 U	0.0615	0.300 U	0.300 U
BARIUM (100.0/1.0)	0.0590	0.0420	0.0390	0.0250	0.0191 U	0.0150 U	0.0150 U
CADMIUM (1.0/0.005)	0.0023	0.0020 U	0.0036	0.0020 U	0.0080 U	0.0029	0.0020 U
CHROMIUM (5.0/0.05)	0.0070	0.0068	0.0350	0.0073	0.0150	0.0100	0.0073
LEAD (5.0/0.015)	0.100 U	0.100 U	0.100 U	0.100 U	0.0791	0.100 U	0.100 U
MERCURY (0.2/0.002)	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
SELENIUM (1.0/0.05)	0.100 U	0.100 U	0.100 U	0.100 U	0.110	0.100 U	0.100 U
SILVER (5.0/0.036)	0.0070 J	0.0095 J	0.0120 J	0.0070 UR	0.0418 J	0.0070 UR	0.0081 J

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SEDIMENT)
SITE 2 - AREA A WETLAND

SAMPLE NUMBER:	112690-2WSD6(0-0.5)	112690-2WSD7(0-0.5)	112690-2WSD8(0-0.5)	112690-2WSD9(0-0.5)			
INVESTIGATION:	PH1	PH1	PH1	PH1			
SAMPLE DATE:	11/26/90	11/26/90	11/26/90	11/26/90			
LOCATION:	2WSD6	2WSD7	2WSD8	2WSD9			
SAMPLE TYPE:	COMPOSITE	COMPOSITE	COMPOSITE	GRAB			
STATUS:							
FIELD DUPLICATE OF:							
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ			
ENDRIN (0.02/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ			
GAMMA-BHC (LINDANE) (0.4/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ			
HEPTACHLOR (0.008/NA)	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ			
METHOXYCHLOR (10.0/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ			
TOXAPHENE (0.5/NA)	0.0020 UJ	0.0020 UJ	0.0020 UJ	0.0020 UJ			
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.300 U	0.300 U	0.300 U	0.300 U			
BARIUM (100.0/1.0)	0.0270	0.0290	0.0530	0.140			
CADMIUM (1.0/0.005)	0.0020 U	0.0036	0.0020 U	0.0110			
CHROMIUM (5.0/0.05)	0.0130	0.0100	0.0190	0.0100			
LEAD (5.0/0.015)	0.100 U	0.100 U	0.100 U	0.100 U			
MERCURY (0.2/0.002)	0.0020 U	0.0020 U	0.0020 U	0.0020 U			
SELENIUM (1.0/0.05)	0.100 U	0.100 U	0.110	0.100 U			
SILVER (5.0/0.036)	0.0070 UR	0.0160 J	0.0130 J	0.0070 UR			

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

Halliburton NUS CORPORATION

NUS LABORATORY
Two Marquis Office Plaza, Suite 200
5313 Campbells Run Road
Pittsburgh, Pennsylvania 15205

(412) 747-2580
FAX: (412) 747-2684

January 04, 1994
Report No.: 00018742
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: NAVY CLEAN - C/O HALLIBURTON NUS
ADDRESS: 661 ANDERSEN DRIVE
PITTSBURGH, PA 15220-0000
ATTENTION: MR. MATT COCHRAN

NUS CLIENT NO: 1495 0022
WORK ORDER NO: 9594
VENDOR NO:

Carbon Copy:

SAMPLE ID: 2WSD39
NUS SAMPLE NO: P0255400
P.O. NO.: CTO# 129

DATE SAMPLED: 21-NOV-93
DATE RECEIVED: 23-NOV-93
APPROVED BY: Kieda, Chuck

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	T45	Grain Size - Sieve & Hydrometer		
		h. Sieve No. 10	100.0	%
		i. Sieve No. 20	99.9	%
		j. Sieve No. 40	99.6	%
		k. Sieve No. 60	99.3	%
		l. Sieve No. 140	97.4	%
		m. Sieve No. 200	94.3	%
		n. Particle Size .019 mm	74.7	%
		o. Particle Size .006 mm	40.4	%
		p. Particle Size .001 mm	16.2	%
2	T55	Moisture Content	123.2	%
3	T70	Specific gravity f-grn	2.58	
4	T63	Organic Content of Soil	93.4	%
5	ACECS	Cation Exchange Capacity (CEC)	30	meq/100 g
6	I490S	Non-aqueous sample pH in Water	7.3	
7	I107S	Carbon, Total Organic (as C)	14000	mg/kg

COMMENTS:

Results are reported on a wet weight basis for all analyses except radiochemical and geotechnical determinations.

APPENDIX D.4

SITE 20 - AREA A WEAPONS CENTER

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,1,2,2-TETRACHLOROETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,1,2-TRICHLOROETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,1-DICHLOROETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,1-DICHLOROETHENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,2-DICHLOROETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,2-DICHLOROETHENE (TOTAL)	11 U	17 U	17 U	10 U	11 U	11 U	17 U
1,2-DICHLOROPROPANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
2-BUTANONE	11 U	17 U	17 U	10 U	11 U	11 U	46
2-HEXANONE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
4-METHYL-2-PENTANONE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
ACETONE	11 U	17 U	30 U	6 U	12 U	11 U	160 U
BENZENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
BROMODICHLOROMETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
BROMOFORM	11 U	17 U	17 U	10 U	11 U	11 U	17 U
BROMOMETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
CARBON DISULFIDE	11 U	11 J	6 J	10 U	11 U	11 U	17 U
CARBON TETRACHLORIDE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
CHLOROBENZENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
CHLOROETHANE	11 U	17 U	17 UJ	10 U	11 U	11 U	17 U
CHLOROFORM	11 U	17 U	17 U	10 U	11 U	11 U	17 U
CHLOROMETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
CIS-1,3-DICHLOROPROPENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
DIBROMOCHLOROMETHANE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
ETHYLBENZENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
METHYLENE CHLORIDE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
STYRENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
TETRACHLOROETHENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
VOLATILES (UG/KG)							
TOLUENE	11 U	17 U	17 U	10 U	11 U	11 U	2 J
TRANS-1,3-DICHLOROPROPENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
TRICHLOROETHENE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
VINYL ACETATE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
VINYL CHLORIDE	11 U	17 U	17 U	10 U	11 U	11 U	17 U
XYLENES, TOTAL	11 U	17 U	17 U	10 U	11 U	11 U	17 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
1,2-DICHLOROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
1,3-DICHLOROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
1,4-DICHLOROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2,4,5-TRICHLOROPHENOL	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
2,4,6-TRICHLOROPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2,4-DICHLOROPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2,4-DIMETHYLPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2,4-DINITROPHENOL	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
2,4-DINITROTOLUENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2,6-DINITROTOLUENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2-CHLORONAPHTHALENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2-CHLOROPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2-METHYLNAPHTHALENE	350 U	560 U	560 U	54 J	750 U	1100 U	550 U
2-METHYLPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
2-NITROANILINE	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
2-NITROPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
3,3'-DICHLOROBENZIDINE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
3-NITROANILINE	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
4,6-DINITRO-2-METHYLPHENOL	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
4-BROMOPHENYL PHENYL ETHER	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
4-CHLORO-3-METHYLPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
SEMIVOLATILES (UG/KG)							
4-CHLOROANILINE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
4-CHLOROPHENYL PHENYL ETHER	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
4-METHYLPHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
4-NITROANILINE	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
4-NITROPHENOL	850 U	1400 UR	1400 UR	840 U	1800 U	2700 U	1300 U
ACENAPHTHENE	350 U	560 U	560 U	350 U	140 J	1100 U	550 U
ACENAPHTHYLENE	350 U	560 U	560 U	31 J	750 U	1100 U	550 U
ANTHRACENE	350 U	560 U	560 U	66 J	540 J	800 J	30 J
BENZO(A)ANTHRACENE	350 U	560 UJ	31 J	270 J	1300	2100	140 J
BENZO(A)PYRENE	350 U	29 J	280 J	270 J	1300	1800	180 J
BENZO(B)FLUORANTHENE	350 U	560 UJ	29 J	270 J	2300	3200	210 J
BENZO(G,H,I)PERYLENE	350 U	560 U	560 U	200 J	770	960 J	98 J
BENZO(K)FLUORANTHENE	350 U	29 J	560 UJ	220 J	750 U	1100 U	200 J
BENZOIC ACID	1700 U	77 J	56 J	1700 U	3600 UJ	5400 UJ	370 J
BENZYL ALCOHOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
BIS(2-CHLOROETHOXY)METHANE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
BIS(2-CHLOROETHYL)ETHER	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
BIS(2-CHLOROISOPROPYL) ETHER	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	560 U	560 U	350 U	750 U	400 U	550 U
BUTYL BENZYL PHTHALATE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
CARBAZOLE	350 U	560 U	560 U	350 U	400 J	720 J	550 U
CHRYSENE	350 U	560 UJ	35 J	280 J	1400	2300	220 J
DI-N-BUTYL PHTHALATE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
DI-N-OCTYL PHTHALATE	350 U	560 U	560 UJ	350 U	750 U	1100 U	550 U
DIBENZO(A,H)ANTHRACENE	350 U	560 U	560 U	350 U	450 J	570 J	550 U
DIBENZOFURAN	350 U	560 U	560 U	31 J	84 J	1100 U	550 U
DIETHYL PHTHALATE	350 U	560 U	560 U	350 U	750 U	1100 U	28 J
DIMETHYL PHTHALATE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
SEMIVOLATILES (UG/KG)							
FLUORANTHENE	350 U	32 J	45 J	550 J	3200	5700	220 J
FLUORENE	350 U	560 U	560 U	85 J	180 J	140 J	550 U
HEXACHLOROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
HEXACHLOROBUTADIENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
HEXACHLOROCYCLOPENTADIENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
HEXACHLOROETHANE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
INDENO(1,2,3-CD)PYRENE	350 U	560 U	560 U	170 J	760	1000 J	110 J
ISOPHORONE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
N-NITROSO-DI-N-PROPYLAMINE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
N-NITROSODIPHENYLAMINE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
NAPHTHALENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
NITROBENZENE	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
PENTACHLOROPHENOL	850 U	1400 U	1400 U	840 U	1800 U	2700 U	1300 U
PHENANTHRENE	350 U	560 U	560 U	440	2400	4200	110 J
PHENOL	350 U	560 U	560 U	350 U	750 U	1100 U	550 U
PYRENE	350 U	50 J	63 J	560	2500	4000	310 J
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD		56 U	56 U	35 U	37 U	37 U	
4,4'-DDE		56 U	56 U	35 U	4 J	7.4 J	
4,4'-DDT		56 U	56 U	35 U	37 U	37 U	
ALDRIN		29 U	29 U	18 U	19 U	19 U	
ALPHA-BHC		29 U	29 U	18 U	19 U	19 U	
ALPHA-CHLORDANE		29 U	29 U	18 U	19 U	19 U	
AROCLOR-1016		560 U	560 U	350 U	370 U	370 U	
AROCLOR-1221		1100 U	1100 U	710 U	760 U	760 U	
AROCLOR-1232		560 U	560 U	350 U	370 U	370 U	
AROCLOR-1242		560 U	560 U	350 U	370 U	370 U	
AROCLOR-1248		560 U	560 U	350 U	370 U	370 U	
AROCLOR-1254		560 U	560 U	350 U	370 U	370 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
PESTICIDES/PCBs (UG/KG)							
AROCLOR-1260		560 U	560 U	350 U	370 U	370 U	
BETA-BHC		29 U	29 U	18 U	19 U	19 U	
DELTA-BHC		29 U	29 U	18 U	19 U	19 U	
DIELDRIN		56 U	56 U	35 U	37 UJ	37 UJ	
ENDOSULFAN II		56 U	56 U	35 U	37 U	37 U	
ENDOSULFAN SULFATE		56 U	56 U	35 U	37 U	37 U	
ENDOSULFAN-I		29 U	29 U	18 U	19 U	19 U	
ENDRIN		56 U	56 U	11 J	11 J	14 J	
ENDRIN ALDEHYDE		56 U	56 U	35 U	7 J	37 U	
ENDRIN KETONE		56 U	56 U	35 U	37 U	37 U	
GAMMA-BHC (LINDANE)		29 U	29 U	18 U	19 UJ	19 UJ	
GAMMA-CHLORDANE		29 U	29 U	18 U	19 U	19 U	
HEPTACHLOR		29 U	29 U	18 U	19 U	19 U	
HEPTACHLOR EPOXIDE		29 U	29 U	18 U	19 U	19 U	
METHOXYCHLOR		290 U	290 U	180 U	190 UJ	190 UJ	
TOXAPHENE		2900 U	2900 U	1800 U	1900 U	1900 U	
INORGANICS (MG/KG)							
ALUMINUM	6040	17800	13400	6360	9200	9560	18200
ANTIMONY	4.7 J	18.8 U	15.7 U	5.4 J	9.8 U	6.7 U	24.0 U
ARSENIC	1.8 U	8.4	7.6	1.9 U	3.0	3.5	10.8
BARIUM	27.5 J	51.7	38.9	60.8 J	38.8	36.4	64.0
BERYLLIUM	0.32 J	0.84	0.6	0.23 J	0.41 J	0.48	0.68
BORON	10.6 U	51.8	39.3 J	10.4 U	11.2 UJ	11.7 UJ	25.9 J
CADMIUM	0.43 J	0.68 U	0.47 U	0.42 U	0.45 U	0.47 U	0.67 U
CALCIUM	863 J	5050	3520	1870 J	1330	1310 U	2700
CHROMIUM	10.9	41.9	33.1	10.8	10.7	11.7	78.7
COBALT	4.5 J	8.2	6.8	4.6 J	3.7	2.7	6.6
COPPER	8.6 J	17.9	14.9	10.8 J	9.9	11.3	41.4
IRON	9200	28000	21100	10600	9680	9880	28600

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCMW1S-0002	2WCMW3S-1618	2WCMW3S-1618-D	2WCTB1-0002	2WCTB2-0002	2WCTB2-0002-D	2WCTB3-0406
DEPTH (feet):	0 - 2	16 - 18	16 - 18	0 - 2	0 - 2	0 - 2	4 - 6
LOCATION:	2WCMW1S	2WCMW3S	2WCMW3S	2WCTB1	2WCTB2	2WCTB2	2WCTB3
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	01/18/94	02/20/94	02/20/94	01/18/94	01/19/94	01/19/94	01/19/94
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:			2WCMW3S-1618			2WCTB2-0002	
INORGANICS (MG/KG)							
LEAD	3.5	17.2	12.7	8.3	12.3 J	13.7 J	66.1 J
MAGNESIUM	2240	8450	6310	3520	2350	2280	7170
MANGANESE	137	343 J	256 J	257	167	172	276
MERCURY	0.11 U	0.17 U	0.12 U	0.1 U	0.11 U	0.12 U	0.29
NICKEL	5.4 J	22.1	17.8	8.4 J	7.8	6.8	22.7
POTASSIUM	1390 J	4880	3610	2900	1500 J	1310 J	4560 J
SELENIUM	0.43 U	1.0 UJ	0.7 UJ	0.42 U	0.43 U	0.42 U	1.3 U
SILVER	0.43 U	0.68 U	0.47 U	0.42 U	0.45 U	0.47 U	1.5
SODIUM	214 J	7390	5570	213 J	267	268	653
THALLIUM	0.64 U	0.42 U	0.32 U	0.62 U	0.22 U	0.23 U	0.33 U
VANADIUM	13.5 J	43.8	32.8	17.5 J	17.5	18.0	49.6
ZINC	17.8 J	69.3	53.2	46.5 J	28.7 J	30.1 J	66.7 J

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,1,2,2-TETRACHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,1,2-TRICHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,1-DICHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,1-DICHLOROETHENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,2-DICHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,2-DICHLOROETHENE (TOTAL)	10 U	17 U	14 UJ	13 U	11 U	5 U	
1,2-DICHLOROPROPANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
2-BUTANONE	10 U	40	240 J	13 U	11 U	11 U	
2-HEXANONE	10 U	17 U	14 UJ	13 U	11 U	11 U	
4-METHYL-2-PENTANONE	10 U	17 U	14 UJ	13 U	11 U	11 U	
ACETONE	7 U	160 U	690	37 U	11 U	11 U	
BENZENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
BROMODICHLOROMETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
BROMOFORM	10 U	17 U	14 UJ	13 U	11 U	5 U	
BROMOMETHANE	10 U	17 U	14 UJ	13 U	11 U	11 U	
CARBON DISULFIDE	10 U	17 U	14 UJ	13 U	11 U	5 U	
CARBON TETRACHLORIDE	10 U	17 U	14 UJ	13 U	11 U	5 U	
CHLOROBENZENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
CHLOROETHANE	10 U	17 U	14 UJ	13 U	11 U	11 U	
CHLOROFORM	10 U	17 U	14 UJ	13 U	11 U	5 U	
CHLOROMETHANE	10 U	17 U	14 UJ	13 U	11 U	11 U	
CIS-1,3-DICHLOROPROPENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
DIBROMOCHLOROMETHANE	10 U	17 U	14 UJ	13 U	11 U	5 U	
ETHYLBENZENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
METHYLENE CHLORIDE	10 U	17 U	37 U	13 U	11 U	5 U	
STYRENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
TETRACHLOROETHENE	10 U	17 U	14 UJ	13 U	11 U	5 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TOLUENE	10 U	17 U	8 J	13 U	11 U	5 U	
TRANS-1,3-DICHLOROPROPENE	10 U	17 U	14 UJ	13 U	11 U	5 U	
TRICHLOROETHENE	10 U	17 U	3 J	13 U	11 U	5 U	
VINYL ACETATE	10 U	17 U	14 UJ	13 U	11 U	11 U	
VINYL CHLORIDE	10 U	17 U	14 UJ	13 U	11 U	11 U	
XYLENES, TOTAL	10 U	17 U	14 UJ	13 U	11 U	5 U	
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
1,2-DICHLOROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
1,3-DICHLOROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
1,4-DICHLOROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
2,4,5-TRICHLOROPHENOL	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
2,4,6-TRICHLOROPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
2,4-DICHLOROPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
2,4-DIMETHYLPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
2,4-DINITROPHENOL	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
2,4-DINITROTOLUENE	340 U	570 U	480 U	420 U	360 U	350 U	
2,6-DINITROTOLUENE	340 U	570 U	480 U	420 U	360 U	350 U	
2-CHLORONAPHTHALENE	340 U	570 U	480 U	420 U	360 U	350 U	
2-CHLOROPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
2-METHYLNAPHTHALENE	38 J	570 U	480 U	420 U	360 U	350 U	
2-METHYLPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
2-NITROANILINE	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
2-NITROPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
3,3'-DICHLOROBENZIDINE	340 UJ	570 U	480 U	420 U	360 U	700 U	
3-NITROANILINE	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
4,6-DINITRO-2-METHYLPHENOL	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
4-BROMOPHENYL PHENYL ETHER	340 U	570 U	480 U	420 U	360 U	350 U	
4-CHLORO-3-METHYLPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-CHLOROANILINE	340 U	570 U	480 U	420 U	360 U	350 U	
4-CHLOROPHENYL PHENYL ETHER	340 U	570 U	480 U	420 U	360 U	350 U	
4-METHYLPHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
4-NITROANILINE	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
4-NITROPHENOL	830 U	1400 U	1200 U	1000 U	880 UR	1700 U	
ACENAPHTHENE	340 U	570 U	480 U	420 U	360 U	350 U	
ACENAPHTHYLENE	340 U	570 U	480 U	420 U	360 U	350 U	
ANTHRACENE	340 U	570 U	50 J	420 U	360 U	350 U	
BENZO(A)ANTHRACENE	340 UJ	79 J	220 J	420 U	33 J	350 U	
BENZO(A)PYRENE	340 UJ	100 J	260 J	22 J	21 J	350 U	
BENZO(B)FLUORANTHENE	340 UJ	200 J	370 J	420 U	27 J	350 U	
BENZO(G,H,I)PERYLENE	340 UJ	60 J	140 J	420 U	360 U	350 U	
BENZO(K)FLUORANTHENE	340 UJ	570 U	260 J	420 U	24 J	350 U	
BENZOIC ACID	1700 U	480 J	300 J	47 J	1800 UJ	1700 U	
BENZYL ALCOHOL	340 U	570 U	480 U	420 U	360 U	350 U	
BIS(2-CHLOROETHOXY)METHANE	340 U	570 U	480 U	420 U	360 U	350 U	
BIS(2-CHLOROETHYL)ETHER	340 U	570 U	480 U	420 U	360 U	350 U	
BIS(2-CHLOROISOPROPYL) ETHER	340 U	570 U	480 U	420 U	360 U	350 U	
BIS(2-ETHYLHEXYL)PHTHALATE	490 U	570 U	480 U	420 U	360 J	35 J	
BUTYL BENZYL PHTHALATE	340 UJ	570 U	480 U	420 U	360 U	350 U	
CARBAZOLE	340 U	570 U	480 U	420 U	360 U		
CHRYSENE	340 UJ	130 J	320 J	420 U	42 J	350 U	
DI-N-BUTYL PHTHALATE	340 U	570 U	480 U	420 U	360 U	350 U	
DI-N-OCTYL PHTHALATE	89 J	29 J	69 J	420 U	360 UJ	350 U	
DIBENZO(A,H)ANTHRACENE	340 UJ	570 U	68 J	420 U	360 U	350 U	
DIBENZOFURAN	340 U	570 U	480 U	420 U	360 U	350 U	
DIETHYL PHTHALATE	340 U	570 U	32 J	420 U	360 U	350 U	
DIMETHYL PHTHALATE	340 U	570 U	480 U	420 U	360 U	350 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
FLUORANTHENE	340 U	160 J	400 J	420 U	83 J	350 U	
FLUORENE	340 U	570 U	480 U	420 U	360 U	350 U	
HEXACHLOROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
HEXACHLOROBUTADIENE	340 U	570 U	480 U	420 U	360 U	350 U	
HEXACHLOROCYCLOPENTADIENE	340 U	570 U	480 U	420 U	360 U	350 U	
HEXACHLOROETHANE	340 U	570 U	480 U	420 U	360 U	350 U	
INDENO(1,2,3-CD)PYRENE	340 UJ	56 J	160 J	420 U	360 U	350 U	
ISOPHORONE	340 U	570 U	480 U	420 U	360 U	350 U	
N-NITROSO-DI-N-PROPYLAMINE	340 U	570 U	480 U	420 U	360 U	350 U	
N-NITROSODIPHENYLAMINE	340 U	570 U	480 U	420 U	360 U	350 U	
NAPHTHALENE	340 U	570 U	480 U	420 U	360 U	350 U	
NITROBENZENE	340 U	570 U	480 U	420 U	360 U	350 U	
PENTACHLOROPHENOL	830 U	1400 U	1200 U	1000 U	880 U	1700 U	
PHENANTHRENE	340 U	97 J	190 J	420 U	54 J	350 U	
PHENOL	340 U	570 U	480 U	420 U	360 U	350 U	
PYRENE	340 UJ	190 J	500	420 U	70 J	350 U	
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	34 U			42 U	36 U	17 U	
4,4'-DDE	34 U			42 U	36 U	17 U	
4,4'-DDT	34 U			42 U	36 U	17 U	
ALDRIN	18 U			22 U	19 U	8.5 U	
ALPHA-BHC	18 U			22 U	19 U	8.5 U	
ALPHA-CHLORDANE	18 U			22 U	19 U	85 U	
AROCLOR-1016	340 U			420 U	360 U	85 U	
AROCLOR-1221	700 U			860 U	740 U	85 U	
AROCLOR-1232	340 U			420 U	360 U	85 U	
AROCLOR-1242	340 U			420 U	360 U	85 U	
AROCLOR-1248	340 U			420 U	360 U	85 U	
AROCLOR-1254	340 U			420 U	360 U	170 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
AROCLOR-1260	340 U			420 U	360 U	50 J	
BETA-BHC	18 U			22 U	19 U	8.5 U	
DELTA-BHC	18 U			22 U	19 U	8.5 U	
DIELDRIN	34 U			42 UJ	36 U	17 U	
ENDOSULFAN II	34 U			42 U	36 U	17 U	
ENDOSULFAN SULFATE	34 U			42 U	36 U	17 U	
ENDOSULFAN-I	18 U			22 U	19 U	8.5 U	
ENDRIN	34 U			42 UJ	36 U	17 U	
ENDRIN ALDEHYDE	34 U			6.4 J	36 U		
ENDRIN KETONE	34 U			42 U	36 U	17 U	
GAMMA-BHC (LINDANE)	18 U			22 UJ	19 U	8.5 U	
GAMMA-CHLORDANE	18 U			22 U	19 U	85 U	
HEPTACHLOR	18 U			22 U	19 U	8.5 U	
HEPTACHLOR EPOXIDE	18 U			22 U	19 U	8.5 U	
METHOXYCHLOR	180 U			220 UJ	190 U	85 U	
TOXAPHENE	1800 U			2200 U	1900 U	170 U	
INORGANICS (MG/KG)							
ALUMINUM	11100	16000	14400	15200	9560	4810	
ANTIMONY	7.7 R	22.2 U	20.9 U	13.2 U	11.3 U	12.6 UR	
ARSENIC	1.6 U	10.7	9.2	4.5	3.0	0.77	
BARIUM	131	49.9	52.4	38.5	49.4	27.4	
BERYLLIUM	0.33 J	0.67 J	0.54 J	0.57	0.41	0.21 U	
BORON	10.4 U	30.7 J	16.6 J	13.1 UJ	12.2 U	42.0 R	
CADMIUM	0.42 U	0.67 U	0.62 U	0.52 U	0.49 U	1.2	
CALCIUM	2080 J	3020	1890	1650	1620	758 J	
CHROMIUM	21.0	52.3	67.5	17.7	12.5	5.9 J	
COBALT	8.6 J	6.9	5.6	4.4	4.5	4.5	
COPPER	15.2 J	26.4	39.3	12.3	10.3	6.7 J	
CYANIDE						1.1 U	

SUMMARY OF SOIL ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB4-0204	2WCTB5-0608	2WCTB6-0810	2WCTB7-0810	2WCTB8-1012.6	2WMW4(0-2)	
DEPTH (feet):	2 - 4	6 - 8	8 - 10	8 - 10	10 - 12.6	0 - 2	-
LOCATION:	2WCTB4	2WCTB5	2WCTB6	2WCTB7	2WCTB8	2WMW4S	
ZONE:	Drainage Area-3	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	
SAMPLE DATE:	01/18/94	01/19/94	01/20/94	01/19/94	02/20/94	09/26/90	/ /
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH1	
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
IRON	20800	26700	23900	12100	12900	6540	
LEAD	2.4 J	22.2 J	43.4 J	5.3 J	6.7	3.6 J	
MAGNESIUM	6910	6900	5510	3070	3870	1660 J	
MANGANESE	390	229	198	122	230 J	121	
MERCURY	0.1 U	0.17 U	0.19	0.13 U	0.12 U	0.1 U	
NICKEL	9.4 J	22.7	17.1	13.7	8.6	4.4	
POTASSIUM	6300	4300 J	3490 J	849 J	2470	1170	
SELENIUM	0.42 U	1.1 U	1.3 U	0.42 U	0.73 UJ	0.42 UJ	
SILVER	0.42 U	0.67 U	0.81 J	0.65 J	0.49 U	1.7 UJ	
SODIUM	264 J	1450	1150	452	312	152 J	
THALLIUM	0.63 U	0.34 UJ	0.31 UJ	0.26 U	0.53 U	0.63 U	
VANADIUM	46.1	46.1	38.2	23.5	21.8	9.8	
ZINC	49.0 J	67.5 J	52.0 J	27.2 J	43.1	19.6 J	

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE	17 U		12 U				
1,1,2,2-TETRACHLOROETHANE	17 UJ		12 U				
1,1,2-TRICHLOROETHANE	17 U		12 U				
1,1-DICHLOROETHANE	17 U		12 U				
1,1-DICHLOROETHENE	17 U		12 U				
1,2-DICHLOROETHANE	17 U		12 U				
1,2-DICHLOROETHENE (TOTAL)	17 U		12 U				
1,2-DICHLOROPROPANE	17 U		12 U				
2-BUTANONE	17 U		12 U				
2-HEXANONE	17 UJ		12 U				
4-METHYL-2-PENTANONE	17 UJ		12 U				
ACETONE	17 U		12 UJ				
BENZENE	17 U		12 U				
BROMODICHLOROMETHANE	17 U		12 U				
BROMOFORM	17 U		12 U				
BROMOMETHANE	17 U		12 U				
CARBON DISULFIDE	17 U		12 U				
CARBON TETRACHLORIDE	17 U		12 U				
CHLOROBENZENE	17 UJ		12 U				
CHLOROETHANE	17 U		12 U				
CHLOROFORM	17 U		12 U				
CHLOROMETHANE	17 U		12 U				
CIS-1,3-DICHLOROPROPENE	17 U		12 U				
DIBROMOCHLOROMETHANE	17 U		12 U				
ETHYLBENZENE	17 UJ		12 U				
METHYLENE CHLORIDE	17 U		12 J				
STYRENE	17 UJ		12 U				
TETRACHLOROETHENE	17 UJ		12 U				

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
VOLATILES (UG/KG)							
TOLUENE	2 J		12 U				
TRANS-1,3-DICHLOROPROPENE	17 U		12 U				
TRICHLOROETHENE	17 U		12 U				
VINYL ACETATE	17 U		12 U				
VINYL CHLORIDE	17 U		12 U				
XYLENES, TOTAL	17 UJ		12 U				
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
1,2-DICHLOROBENZENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
1,3-DICHLOROBENZENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
1,4-DICHLOROBENZENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2,4,5-TRICHLOROPHENOL	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
2,4,6-TRICHLOROPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2,4-DICHLOROPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2,4-DIMETHYLPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2,4-DINITROPHENOL	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
2,4-DINITROTOLUENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2,6-DINITROTOLUENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2-CHLORONAPHTHALENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2-CHLOROPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2-METHYLNAPHTHALENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2-METHYLPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
2-NITROANILINE	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
2-NITROPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
3,3'-DICHLOROBENZIDINE	550 U	510 U	410 UJ	560 U	600 U	660 U	600 U
3-NITROANILINE	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
4,6-DINITRO-2-METHYLPHENOL	1300 U	1200 U	990 UJ	1400 U	1400 U	1600 U	1400 U
4-BROMOPHENYL PHENYL ETHER	550 U	510 U	410 UJ	560 U	600 U	660 U	600 U
4-CHLORO-3-METHYLPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
SEMIVOLATILES (UG/KG)							
4-CHLOROANILINE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
4-CHLOROPHENYL PHENYL ETHER	550 U	510 U	410 U	560 U	600 U	660 U	600 U
4-METHYLPHENOL	550 U	510 U	410 U	560 U	600 U	660 U	600 U
4-NITROANILINE	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
4-NITROPHENOL	1300 U	1200 U	990 U	1400 U	1400 U	1600 U	1400 U
ACENAPHTHENE	550 U	510 U	410 U	560 U	600 U	70 J	60 J
ACENAPHTHYLENE	550 U	510 U	410 U	560 U	600 U	74 J	65 J
ANTHRACENE	22 J	510 U	410 UJ	560 U	600 U	290 J	290 J
BENZO(A)ANTHRACENE	110 J	180 J	410 UJ	95 J	120 J	1800	1900
BENZO(A)PYRENE	120 J	140 J	410 UJ	110 J	130 J	2700	2500
BENZO(B)FLUORANTHENE	160 J	350 J	410 UJ	220 J	140 J	4800	4400
BENZO(G,H,I)PERYLENE	96 J	510 U	410 UJ	59 J	100 J	1700	2400
BENZO(K)FLUORANTHENE	120 J	510 U	410 UJ	560 U	120 J	2100	1800
BENZOIC ACID	81 J	61 J	77 J	93 J	600 U	190 J	600 U
BENZYL ALCOHOL	550 U	510 U	410 UJ	560 U	600 U	660 U	600 U
BIS(2-CHLOROETHOXY)METHANE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
BIS(2-CHLOROETHYL)ETHER	550 U	510 U	410 U	560 U	600 U	660 U	600 U
BIS(2-CHLOROISOPROPYL) ETHER	550 U	510 U	410 U	560 U	600 U	660 U	600 U
BIS(2-ETHYLHEXYL)PHTHALATE	550 U	530 U	1100 J	560 U	600 U	780 U	600 U
BUTYL BENZYL PHTHALATE	550 U	510 U	410 UJ	560 U	600 U	52 J	600 U
CARBAZOLE	31 J	510 U	410 UJ	560 U	600 U	660	630
CHRYSENE	150 J	660	410 UJ	190 J	160 J	3200	2900
DI-N-BUTYL PHTHALATE	550 U	510 U	180 J	560 U	600 U	660 U	600 U
DI-N-OCTYL PHTHALATE	550 U	510 U	26 J	560 U	600 U	660 U	600 U
DIBENZO(A,H)ANTHRACENE	550 U	510 U	410 UJ	560 U	600 U	790	870
DIBENZOFURAN	550 U	510 U	410 U	560 U	600 U	87 J	82 J
DIETHYL PHTHALATE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
DIMETHYL PHTHALATE	550 U	510 U	410 U	560 U	600 U	660 U	600 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
SEMIVOLATILES (UG/KG)							
FLUORANTHENE	310 J	180 J	410 UJ	190 J	170 J	4600	5200
FLUORENE	550 U	510 U	410 U	560 U	600 U	110 J	110 J
HEXACHLOROBENZENE	550 U	510 U	410 UJ	560 U	600 U	660 U	600 U
HEXACHLOROBUTADIENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
HEXACHLOROCYCLOPENTADIENE	550 UJ	510 U	410 U	560 U	600 U	660 U	600 U
HEXACHLOROETHANE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
INDENO(1,2,3-CD)PYRENE	86 J	86 J	410 UJ	71 J	99 J	2200	2400
ISOPHORONE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
N-NITROSO-DI-N-PROPYLAMINE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
N-NITROSODIPHENYLAMINE	550 U	510 U	410 UJ	560 U	600 U	660 U	600 U
NAPHTHALENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
NITROBENZENE	550 U	510 U	410 U	560 U	600 U	660 U	600 U
PENTACHLOROPHENOL	1300 U	1200 U	990 UJ	1400 U	1400 U	1600 U	1400 U
PHENANTHRENE	160 J	110 J	230 J	120 J	600 U	2300	2300
PHENOL	550 U	510 U	32 J	560 U	600 U	660 U	600 U
PYRENE	250 J	270 J	410 UJ	210 J	270 J	4600	4000
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD	32 J		41 UJ				
4,4'-DDE	52 J		41 UJ				
4,4'-DDT	24 J		41 UJ				
ALDRIN	28 U		21 UJ				
ALPHA-BHC	28 U		21 UJ				
ALPHA-CHLORDANE	28 U		21 UJ				
AROCLOR-1016	550 U		410 UJ				
AROCLOR-1221	1100 U		830 UJ				
AROCLOR-1232	550 U		410 UJ				
AROCLOR-1242	550 U		410 UJ				
AROCLOR-1248	550 U		410 UJ				
AROCLOR-1254	550 U		410 UJ				

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
PESTICIDES/PCBs (UG/KG)							
AROCLOR-1260	550 U		410 UJ				
BETA-BHC	28 U		21 UJ				
DELTA-BHC	28 U		21 UJ				
DIELDRIN	55 U		41 UJ				
ENDOSULFAN II	55 U		41 UJ				
ENDOSULFAN SULFATE	55 U		41 UJ				
ENDOSULFAN-I	28 U		21 UJ				
ENDRIN	55 U		10 J				
ENDRIN ALDEHYDE	55 U		41 UJ				
ENDRIN KETONE	55 U		41 UJ				
GAMMA-BHC (LINDANE)	28 U		21 UJ				
GAMMA-CHLORDANE	28 U		21 UJ				
HEPTACHLOR	2.8 J		21 UJ				
HEPTACHLOR EPOXIDE	28 U		21 UJ				
METHOXYCHLOR	280 U		210 UJ				
TOXAPHENE	2800 U		2100 UJ				
DIOXINS/FURANS (UG/KG)							
1,2,3,4,6,7,8-HPCDD			0.42 U				
1,2,3,4,6,7,8-HPCDF			0.13 U				
1,2,3,4,7,8,9-HPCDF			0.11 U				
1,2,3,4,7,8-HXCDD			0.27 U				
1,2,3,4,7,8-HXCDF			0.12 U				
1,2,3,6,7,8-HXCDD			0.05 U				
1,2,3,6,7,8-HXCDF			0.11 U				
1,2,3,7,8,9-HXCDD			0.11 U				
1,2,3,7,8,9-HXCDF			0.06 U				
1,2,3,7,8-PECDD			0.48 U				
1,2,3,7,8-PECDF			0.11 U				
2,3,4,6,7,8-HXCDF			0.13 U				

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
DIOXINS/FURANS (UG/KG)							
2,3,4,7,8-PECDF			0.13 U				
2,3,7,8-TCDD			0.08 U				
2,3,7,8-TCDF			0.06 U				
OCDD			0.56 U				
OCDF			0.08 U				
TOTAL HPCDD			0.4 U				
TOTAL HPCDF			0.1 U				
TOTAL HXCDD			0.05 U				
TOTAL HXCDF			0.06 U				
TOTAL PECDD			0.5 U				
TOTAL PECDF			0.1 U				
TOTAL TCDD			0.08 U				
TOTAL TCDF			0.06 U				
INORGANICS (MG/KG)							
ALUMINUM	13100	12200	2560	13700	12200	26400	18500
ANTIMONY	5.1	7.8 J	3.7 U	9.4 U	14.6 U	17.4 U	18.4 U
ARSENIC	4.6 J	6.2 J	1.4	8.4	11.4	11.5	9.0
BARIUM	53.1	78.8 J	17.9	72.9	50.0	103	83.4
BERYLLIUM	0.62	0.53 J	0.57 U	1.2 U	1.3 U	2.3 U	1.7 U
BORON	16.4 UJ	15.9 U	12.3 U	30.2 J	26.3 J	37.5 J	26.8 J
CADMIUM	0.66 U	0.64 U	0.49 U	0.73 U	0.74 U	0.8 U	0.72 U
CALCIUM	1170	1660 J	680 J	1800 J	1230 J	3250 J	2900 J
CHROMIUM	18.7	41.4	11.4	50.5	53.1	36.1	27.6
COBALT	6.7	7.1 J	2.3	5.3	4.8	13.4	9.3
COPPER	16.2	16.8 J	5.0 U	23.4	29.5	37.7	28.7
IRON	21800	23800	6430	24600	24600	40700	29000
LEAD	20.4 J	28.0	7.9	27.1	30.9	127	84.6
MAGNESIUM	3430	4720	1490	5080	5020	5310	4710
MANGANESE	315	153	150	168	160	1480	954

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14D
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD1	2WCSD10	2WCSD11	2WCSD12	2WCSD13	2WCSD14	2WCSD14
ZONE:	Drainage Area-1	Drainage Area-2	Drainage Area-1	Drainage Area-2	Drainage Area-3	Drainage Area-1	Drainage Area-1
SAMPLE DATE:	03/09/94	01/06/94	12/20/93	12/21/93	12/21/93	12/21/93	12/21/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							2WCSD14
INORGANICS (MG/KG)							
MERCURY	0.16 U	0.27 J	0.12 U	0.29	0.42	0.2 U	0.18 U
NICKEL	13.1	13.1 J	5.6	15.5	14.0	25.8	18.7
POTASSIUM	1530	2350 J	822 U	3090	4020	3170	3050
SELENIUM	0.99 UJ	0.67 J	0.49 UJ	0.73 UJ	0.96 U	1.2 U	0.97 U
SILVER	0.66 U	0.64 U	0.49 UJ	0.73 UJ	0.74 UJ	0.8 UJ	0.72 UJ
SODIUM	163	356 J	28.4 U	209 U	273 U	169 U	162 U
THALLIUM	0.33 U	0.96 U	0.25 U	0.37 U	0.37 U	0.4 U	0.36 J
VANADIUM	24.8	47.1	8.0	41.5	37.2	62.2	45.3
ZINC	71.8	40.5 J	50.4	43.4	40.5	173	134
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON			510				

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
1,1,1-TRICHLOROETHANE			17 U	18 U	13 J		11 U
1,1,2,2-TETRACHLOROETHANE			17 UJ	18 U	19 UJ		11 U
1,1,2-TRICHLOROETHANE			17 U	18 U	19 U		11 U
1,1-DICHLOROETHANE			17 U	18 U	19 U		11 U
1,1-DICHLOROETHENE			17 U	18 U	19 U		11 U
1,2-DICHLOROETHANE			17 U	18 U	19 U		11 U
1,2-DICHLOROETHENE (TOTAL)			17 U	18 U	19 U		11 U
1,2-DICHLOROPROPANE			17 U	18 U	19 U		11 U
2-BUTANONE			17 U	18 U	19 U		11 U
2-HEXANONE			17 UJ	18 U	19 UJ		11 U
4-METHYL-2-PENTANONE			17 UJ	18 U	19 UJ		11 U
ACETONE			17 U	18 UJ	19 UJ		11 U
BENZENE			17 U	18 U	19 U		11 U
BROMODICHLOROMETHANE			17 U	18 U	19 U		11 U
BROMOFORM			17 U	18 U	19 U		11 U
BROMOMETHANE			17 U	18 U	19 U		11 U
CARBON DISULFIDE			17 U	18 U	19 U		11 U
CARBON TETRACHLORIDE			17 U	18 U	19 U		11 U
CHLOROBENZENE			17 UJ	18 U	19 UJ		11 U
CHLOROETHANE			17 U	18 U	19 UJ		11 U
CHLOROFORM			17 U	18 U	19 U		11 U
CHLOROMETHANE			17 U	18 U	19 U		11 U
CIS-1,3-DICHLOROPROPENE			17 U	18 U	19 U		11 U
DIBROMOCHLOROMETHANE			17 U	18 U	19 U		11 U
ETHYLBENZENE			17 UJ	18 U	19 UJ		11 U
METHYLENE CHLORIDE			17 U	22	10 J		11
STYRENE			17 UJ	18 U	19 UJ		11 U
TETRACHLOROETHENE			17 UJ	18 U	8 J		11 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
VOLATILES (UG/KG)							
TOLUENE			17 UJ	18 U	4 J		11 U
TRANS-1,3-DICHLOROPROPENE			17 U	18 U	19 U		11 U
TRICHLOROETHENE			17 U	18 U	22		11 U
VINYL ACETATE			17 U	18 U	19 UJ		11 U
VINYL CHLORIDE			17 U	18 U	19 U		11 U
XYLENES, TOTAL			17 UJ	18 U	19 UJ		11 U
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
1,2-DICHLOROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
1,3-DICHLOROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
1,4-DICHLOROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2,4,5-TRICHLOROPHENOL	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
2,4,6-TRICHLOROPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2,4-DICHLOROPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2,4-DIMETHYLPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2,4-DINITROPHENOL	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
2,4-DINITROTOLUENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2,6-DINITROTOLUENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2-CHLORONAPHTHALENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2-CHLOROPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2-METHYLNAPHTHALENE	690 U	720 U	570 U	31 J	630 U	700 U	350 U
2-METHYLPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
2-NITROANILINE	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
2-NITROPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
3,3'-DICHLOROBENZIDINE	690 U	720 U	570 U	600 UJ	630 U	700 U	350 U
3-NITROANILINE	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
4-BROMOPHENYL PHENYL ETHER	690 U	720 U	570 U	600 U	630 U	700 U	350 U
4-CHLORO-3-METHYLPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
4-CHLOROANILINE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
4-CHLOROPHENYL PHENYL ETHER	690 U	720 U	570 U	600 U	630 U	700 U	350 U
4-METHYLPHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
4-NITROANILINE	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
4-NITROPHENOL	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
ACENAPHTHENE	690 U	36 J	79 J	38 J	630 U	700 U	43 J
ACENAPHTHYLENE	690 U	720 U	47 J	90 J	630 U	700 U	350 U
ANTHRACENE	51 J	95 J	400 J	160 J	630 U	65 J	190
BENZO(A)ANTHRACENE	160 J	510 J	3400	2700 J	250 J	250 J	900
BENZO(A)PYRENE	690 U	610 J	4400	2400 J	210 J	700 U	800
BENZO(B)FLUORANTHENE	350 J	820	4900	2500 J	220 J	320 J	990
BENZO(G,H,I)PERYLENE	170 J	720 U	3500	760 J	54 J	240 J	260
BENZO(K)FLUORANTHENE	690 U	630 J	5100 U	2100 J	240 J	290 J	620
BENZOIC ACID	690 U	102 J	164 J	190 J	110 J	700 U	150 J
BENZYL ALCOHOL	690 U	720 U	570 U	600 UJ	630 U	700 U	350 U
BIS(2-CHLOROETHOXY)METHANE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
BIS(2-CHLOROETHYL)ETHER	690 U	720 U	570 U	600 U	630 U	700 U	350 U
BIS(2-CHLOROISOPROPYL) ETHER	690 U	720 U	570 U	600 U	630 U	700 U	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	690 U	1000 U	1400 U	710 U	630 U	700 U	350 U
BUTYL BENZYL PHTHALATE	690 U	720 U	570 U	600 UJ	630 U	700 U	350 U
CARBAZOLE	690 U	120 J	450 J	50 J	630 U	700 U	230
CHRYSENE	250 J	740	4300	3300 J	420 J	430 J	1100
DI-N-BUTYL PHTHALATE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
DI-N-OCTYL PHTHALATE	690 U	720 U	570 U	72 J	630 U	700 U	350 U
DIBENZO(A,H)ANTHRACENE	690 U	240 J	570 U	160 J	630 U	700 U	52
DIBENZOFURAN	690 U	720 U	86 J	600 U	630 U	700 U	45
DIETHYL PHTHALATE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
DIMETHYL PHTHALATE	690 U	720 U	570 U	600 U	630 U	700 U	350 U

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
FLUORANTHENE	270 J	1400	6900	2800	470 J	330 J	1600
FLUORENE	690 U	46 J	140 J	80 J	630 U	700 U	76
HEXACHLOROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
HEXACHLOROBUTADIENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
HEXACHLOROCYCLOPENTADIENE	690 U	720 UJ	570 UJ	600 U	630 U	700 U	350 U
HEXACHLOROETHANE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
INDENO(1,2,3-CD)PYRENE	160 J	500 J	3300	1200 J	98 J	200 J	480
ISOPHORONE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
N-NITROSO-DI-N-PROPYLAMINE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
N-NITROSODIPHENYLAMINE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
NAPHTHALENE	690 U	720 U	570 U	87 J	160 J	700 U	36 J
NITROBENZENE	690 U	720 U	570 U	600 U	630 U	700 U	350 U
PENTACHLOROPHENOL	1700 U	1700 U	1400 U	1400 U	1500 U	1700 U	850 U
PHENANTHRENE	140 J	660 J	2000	720	250 J	210 J	1300
PHENOL	690 U	720 U	570 U	600 U	630 U	700 U	350 U
PYRENE	370 J	1200	6900	5200	610 J	530 J	2500
PESTICIDES/PCBs (UG/KG)							
4,4'-DDD			6.6 J	6.5 J	63 UJ		35 UJ
4,4'-DDE			57 U	60 UJ	63 UJ		35 UJ
4,4'-DDT			10 J	60 J	10 J		35 UJ
ALDRIN			29 U	31 UJ	33 UJ		18 UJ
ALPHA-BHC			29 U	31 UJ	33 UJ		18 UJ
ALPHA-CHLORDANE			29 U	31 UJ	6.4 J		18 UJ
AROCLOR-1016			570 U	600 UJ	630 UJ		350 UJ
AROCLOR-1221			1200 U	1200 UJ	1300 UJ		710 UJ
AROCLOR-1232			570 U	600 UJ	630 UJ		350 UJ
AROCLOR-1242			570 U	600 UJ	630 UJ		350 UJ
AROCLOR-1248			570 U	600 UJ	630 UJ		350 UJ
AROCLOR-1254			570 U	600 UJ	630 UJ		350 UJ

00023

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/KG)							
AROCLOR-1260			570 U	600 UJ	630 UJ		350 UJ
BETA-BHC			29 U	31 UJ	33 UJ		18 UJ
DELTA-BHC			29 U	31 UJ	33 UJ		18 UJ
DIELDRIN			57 U	60 UJ	63 UJ		35 UJ
ENDOSULFAN II			57 U	60 UJ	63 UJ		35 UJ
ENDOSULFAN SULFATE			6.8 J	60 UJ	7.6 J		35 UJ
ENDOSULFAN-I			29 U	31 UJ	33 UJ		18 UJ
ENDRIN			57 U	15 J	18 J		35 UJ
ENDRIN ALDEHYDE			57 U	59 J	140 J		35 UJ
ENDRIN KETONE			57 U	60 UJ	63 UJ		35 UJ
GAMMA-BHC (LINDANE)			29 U	31 UJ	33 UJ		18 UJ
GAMMA-CHLORDANE			29 U	31 UJ	7 J		18 UJ
HEPTACHLOR			29 U	31 UJ	33 UJ		18 UJ
HEPTACHLOR EPOXIDE			29 U	31 UJ	33 UJ		18 UJ
METHOXYCHLOR			290 U	310 UJ	37 J		180 UJ
TOXAPHENE			2900 U	3100 UJ	3300 UJ		1800 UJ
INORGANICS (MG/KG)							
ALUMINUM	16900	18700	8860	15900	10600	16900	3510
ANTIMONY	6.5 U	15.0	9.8	5.9 U	5.1 U	6.4 U	3.2 U
ARSENIC	9.6	6.4 J	5.1 J	6.9	5.6	13.5	1.2
BARIUM	57.8	85.1	43.3	81.1	94.1	71.2	17.0
BERYLLIUM	1.7 U	1.1	0.75	1.5 U	1.5 U	1.0 U	0.55 U
BORON	25.8 J	28.2 UJ	14.7 UJ	39.7	27.8 J	34.9 J	11.0 J
CADMIUM	0.82 U	1.1 U	1.0	1.1 J	29.5	0.85 U	0.43 U
CALCIUM	1750 J	1950	1470	2340 J	3290 J	1920 J	922 J
CHROMIUM	65.2	25.4	14.4	66.3	27.8	97.5	5.7 U
COBALT	4.3	10.0	7.1	5.6	14.4	6.2	2.2
COPPER	26.0	28.0 J	21.6 J	39.4	57.2	52.8	4.6 U
IRON	14700	51600	38400	32700	23700	31100	6940

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
DEPTH (feet):	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
LOCATION:	2WCSD15	2WCSD2	2WCSD3	2WCSD4	2WCSD5	2WCSD6	2WCSD7
ZONE:	Drainage Area-1	Drainage Area-1	Drainage Area-1	Drainage Area-3	Drainage Area-3	Drainage Area-3	Drainage Area-3
SAMPLE DATE:	12/21/93	03/09/94	03/09/94	12/20/93	12/20/93	12/21/93	12/20/93
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1	PH2-1
SAMPLE TYPE:	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
LEAD	35.1	53.7 J	48.8 J	49.9	204	69.6	3.5
MAGNESIUM	5380	4160	2790	5540	4310	6140	1160
MANGANESE	172	423	141	220	2640	196	101
MERCURY	0.52	0.28 U	0.15 U	0.38	0.18	0.6	0.11 U
NICKEL	16.3	20.9	12.6	18.5	31.5	21.5	3.3 J
POTASSIUM	3920	1740	1410	3580	2060	4020	870 U
SELENIUM	1.5 U	1.7 UJ	0.88 UJ	1.0 U	0.75 U	0.98 U	0.43 UJ
SILVER	0.82 UJ	1.9	1.7	0.79 UJ	1.1 U	0.85 UJ	0.43 UJ
SODIUM	334 U	314	216	580	156 U	1120	36.0 U
THALLIUM	0.41 U	0.56 U	0.29 U	0.39 U	0.34 J	0.42 U	0.21 U
VANADIUM	38.1	31.1	18.9	44.5	56.7	54.9	12.8
ZINC	42.6	274	216	61.9	292	54.9	10.3 U
MISCELLANEOUS PARAMETERS (MG/KG)							
TOTAL ORGANIC CARBON					16000		

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD8	2WCSD9	-	-	-	-	-
DEPTH (feet):	0 - 1	0 - 1					
LOCATION:	2WCSD8	2WCSD9					
ZONE:	Drainage Area-2	Drainage Area-2					
SAMPLE DATE:	12/21/93	12/21/93					
INVESTIGATION:	PH2-1	PH2-1					
SAMPLE TYPE:	GRAB	GRAB					
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
1,2,4-TRICHLOROBENZENE	530 U	430 U					
1,2-DICHLOROBENZENE	530 U	430 U					
1,3-DICHLOROBENZENE	530 U	430 U					
1,4-DICHLOROBENZENE	530 U	430 U					
2,4,5-TRICHLOROPHENOL	1300 U	1000 U					
2,4,6-TRICHLOROPHENOL	530 U	430 U					
2,4-DICHLOROPHENOL	530 U	430 U					
2,4-DIMETHYLPHENOL	530 U	430 U					
2,4-DINITROPHENOL	1300 U	1000 U					
2,4-DINITROTOLUENE	530 U	430 U					
2,6-DINITROTOLUENE	530 U	430 U					
2-CHLORONAPHTHALENE	530 U	430 U					
2-CHLOROPHENOL	530 U	430 U					
2-METHYLNAPHTHALENE	530 U	430 U					
2-METHYLPHENOL	530 U	430 U					
2-NITROANILINE	1300 U	1000 U					
2-NITROPHENOL	530 U	430 U					
3,3'-DICHLOROBENZIDINE	530 U	430 U					
3-NITROANILINE	1300 U	1000 U					
4,6-DINITRO-2-METHYLPHENOL	1300 U	1000 U					
4-BROMOPHENYL PHENYL ETHER	530 U	430 U					
4-CHLORO-3-METHYLPHENOL	530 U	430 U					
4-CHLOROANILINE	530 U	430 U					
4-CHLOROPHENYL PHENYL ETHER	530 U	430 U					
4-METHYLPHENOL	530 U	430 U					
4-NITROANILINE	1300 U	1000 U					
4-NITROPHENOL	1300 U	1000 U					
ACENAPHTHENE	530 U	430 U					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD8	2WCSD9	-	-	-	-	-
DEPTH (feet):	0 - 1	0 - 1					
LOCATION:	2WCSD8	2WCSD9					
ZONE:	Drainage Area-2	Drainage Area-2					
SAMPLE DATE:	12/21/93	12/21/93					
INVESTIGATION:	PH2-1	PH2-1					
SAMPLE TYPE:	GRAB	GRAB					
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
ACENAPHTHYLENE	530 U	430 U					
ANTHRACENE	530 U	430 U					
BENZO(A)ANTHRACENE	63 J	70 J					
BENZO(A)PYRENE	78 J	73 J					
BENZO(B)FLUORANTHENE	150 J	160 J					
BENZO(G,H,I)PERYLENE	47 J	47 J					
BENZO(K)FLUORANTHENE	530 U	430 U					
BENZOIC ACID	530 U	430 U					
BENZYL ALCOHOL	530 U	430 U					
BIS(2-CHLOROETHOXY)METHANE	530 U	430 U					
BIS(2-CHLOROETHYL)ETHER	530 U	430 U					
BIS(2-CHLOROISOPROPYL) ETHER	530 U	430 U					
BIS(2-ETHYLHEXYL)PHTHALATE	530 U	430 U					
BUTYL BENZYL PHTHALATE	530 U	430 U					
CARBAZOLE	530 U	430 U					
CHRYSENE	110 J	130 J					
DI-N-BUTYL PHTHALATE	530 U	430 U					
DI-N-OCTYL PHTHALATE	530 U	430 U					
DIBENZO(A,H)ANTHRACENE	530 U	430 U					
DIBENZOFURAN	530 U	430 U					
DIETHYL PHTHALATE	530 U	430 U					
DIMETHYL PHTHALATE	530 U	430 U					
FLUORANTHENE	120 J	100 J					
FLUORENE	530 U	430 U					
HEXACHLOROBENZENE	530 U	430 U					
HEXACHLOROBUTADIENE	530 U	430 U					
HEXACHLOROCYCLOPENTADIENE	530 U	430 U					
HEXACHLOROETHANE	530 U	430 U					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD8	2WCSD9	-	-	-	-	-
DEPTH (feet):	0 - 1	0 - 1					
LOCATION:	2WCSD8	2WCSD9					
ZONE:	Drainage Area-2	Drainage Area-2					
SAMPLE DATE:	12/21/93	12/21/93					
INVESTIGATION:	PH2-1	PH2-1					
SAMPLE TYPE:	GRAB	GRAB					
STATUS:							
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/KG)							
INDENO(1,2,3-CD)PYRENE	51 J	49 J					
ISOPHORONE	530 U	430 U					
N-NITROSO-DI-N-PROPYLAMINE	530 U	430 U					
N-NITROSODIPHENYLAMINE	530 U	430 U					
NAPHTHALENE	530 U	430 U					
NITROBENZENE	530 U	430 U					
PENTACHLOROPHENOL	1300 U	1000 U					
PHENANTHRENE	77 J	430 U					
PHENOL	530 U	430 U					
PYRENE	150 J	120 J					
INORGANICS (MG/KG)							
ALUMINUM	12600	4550					
ANTIMONY	4.9 U	3.9 U					
ARSENIC	6.7	1.6					
BARIUM	73.2	56.5					
BERYLLIUM	1.2 U	0.63 U					
BORON	29.3 J	12.9 U					
CADMIUM	0.63 U	0.51 U					
CALCIUM	2150 J	1440 J					
CHROMIUM	45.4	8.0					
COBALT	5.6	2.2					
COPPER	23.6	6.1 U					
IRON	31200	6920					
LEAD	22.6	6.7					
MAGNESIUM	4860	2630					
MANGANESE	483	79.8					
MERCURY	0.18	0.14					
NICKEL	13.8	4.7 J					
POTASSIUM	2640	2150					

SUMMARY OF SEDIMENT ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD8	2WCSD9					
DEPTH (feet):	0 - 1	0 - 1	-	-	-	-	-
LOCATION:	2WCSD8	2WCSD9					
ZONE:	Drainage Area-2	Drainage Area-2					
SAMPLE DATE:	12/21/93	12/21/93					
INVESTIGATION:	PH2-1	PH2-1					
SAMPLE TYPE:	GRAB	GRAB					
STATUS:							
FIELD DUPLICATE OF:							
INORGANICS (MG/KG)							
SELENIUM	0.66 U	0.51 UJ					
SILVER	0.63 UJ	0.51 UJ					
SODIUM	163 U	69.3 U					
THALLIUM	0.31 U	0.26 U					
VANADIUM	33.4	17.5					
ZINC	82.2	17.3					

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S
ZONE:							
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered
FIELD DUPLICATE OF:			2WCGW1S			2WCGW1S	
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U				10 U	10 U	
1,1,2,2-TETRACHLOROETHANE	10 U				10 U	10 U	
1,1,2-TRICHLOROETHANE	10 U				10 U	10 U	
1,1-DICHLOROETHANE	10 U				10 U	10 U	
1,1-DICHLOROETHENE	10 U				10 U	10 U	
1,2-DICHLOROETHANE	10 U				10 U	10 U	
1,2-DICHLOROETHENE (TOTAL)	10 U				10 U	10 U	
1,2-DICHLOROPROPANE	10 U				10 U	10 U	
2-BUTANONE	10 U				10 U	10 U	
2-HEXANONE	10 U				10 U	10 U	
4-METHYL-2-PENTANONE	10 U				10 U	10 U	
ACETONE	14 U				18 U	19 U	
BENZENE	10 U				10 U	10 U	
BROMODICHLOROMETHANE	10 U				10 U	10 U	
BROMOFORM	10 U				10 U	10 U	
BROMOMETHANE	10 U				10 U	10 U	
CARBON DISULFIDE	10 U				10 U	10 U	
CARBON TETRACHLORIDE	10 U				10 U	10 U	
CHLOROBENZENE	10 U				10 U	10 U	
CHLOROETHANE	10 U				10 U	10 U	
CHLOROFORM	10 U				10 U	10 U	
CHLOROMETHANE	10 U				10 U	10 U	
CIS-1,3-DICHLOROPROPENE	10 U				10 U	10 U	
DIBROMOCHLOROMETHANE	10 U				10 U	10 U	
ETHYLBENZENE	10 U				10 U	10 U	
METHYLENE CHLORIDE	10 U				18 U	10 U	
STYRENE	10 U				10 U	10 U	
TETRACHLOROETHENE	10 U				10 U	10 U	
TOLUENE	10 U				10 U	10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2	2WCGW2S
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94	04/05/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW2S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:			2WCGW1S		2WCGW1S		
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U			10 U	10 U		10 U
1,1,2,2-TETRACHLOROETHANE	10 U			10 U	10 U		10 U
1,1,2-TRICHLOROETHANE	10 U			10 U	10 U		10 U
1,1-DICHLOROETHANE	10 U			10 U	10 U		10 U
1,1-DICHLOROETHENE	10 U			10 U	10 U		10 U
1,2-DICHLOROETHANE	10 U			10 U	10 U		10 U
1,2-DICHLOROETHENE (TOTAL)	10 U			10 U	10 U		10 U
1,2-DICHLOROPROPANE	10 U			10 U	10 U		10 U
2-BUTANONE	10 U			10 U	10 U		10 U
2-HEXANONE	10 U			10 U	10 U		10 U
4-METHYL-2-PENTANONE	10 U			10 U	10 U		10 U
ACETONE	14 U			18 U	19 U		12 U
BENZENE	10 U			10 U	10 U		10 U
BROMODICHLOROMETHANE	10 U			10 U	10 U		10 U
BROMOFORM	10 U			10 U	10 U		10 U
BROMOMETHANE	10 U			10 U	10 U		10 U
CARBON DISULFIDE	10 U			10 U	10 U		10 U
CARBON TETRACHLORIDE	10 U			10 U	10 U		10 U
CHLOROBENZENE	10 U			10 U	10 U		10 U
CHLOROETHANE	10 U			10 U	10 U		10 U
CHLOROFORM	10 U			10 U	10 U		10 U
CHLOROMETHANE	10 U			10 U	10 U		10 U
CIS-1,3-DICHLOROPROPENE	10 U			10 U	10 U		10 U
DIBROMOCHLOROMETHANE	10 U			10 U	10 U		10 U
ETHYLBENZENE	10 U			10 U	10 U		10 U
METHYLENE CHLORIDE	10 U			18 U	10 U		10 U
STYRENE	10 U			10 U	10 U		10 U
TETRACHLOROETHENE	10 U			10 U	10 U		10 U
TOLUENE	10 U			10 U	10 U		10 U
TRANS-1,3-DICHLOROPROPENE	10 U			10 U	10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2	2WCGW2S
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94	04/05/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW2S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:			2WCGW1S		2WCGW1S		
VOLATILES (UG/L)							
TRICHLOROETHENE	10 U			10 U	10 U		10 U
VINYL ACETATE	10 U			10 U	10 U		10 U
VINYL CHLORIDE	10 U			10 U	10 U		10 U
XYLENES, TOTAL	10 U			10 U	10 U		10 U
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U			10 U	10 U		10 U
1,2-DICHLOROBENZENE	10 U			10 U	10 U		10 U
1,3-DICHLOROBENZENE	0.6 J			10 U	10 U		10 U
1,4-DICHLOROBENZENE	10 U			10 U	10 U		10 U
2,4,5-TRICHLOROPHENOL	25 U			25 U	25 U		25 U
2,4,6-TRICHLOROPHENOL	10 U			10 U	10 U		10 U
2,4-DICHLOROPHENOL	10 U			10 U	10 U		10 U
2,4-DIMETHYLPHENOL	10 U			10 U	10 U		10 U
2,4-DINITROPHENOL	25 U			25 U	25 U		25 U
2,4-DINITROTOLUENE	10 U			10 U	10 U		10 U
2,6-DINITROTOLUENE	10 U			10 U	10 U		10 U
2-CHLORONAPHTHALENE	10 U			10 U	10 U		10 U
2-CHLOROPHENOL	10 U			10 U	10 U		10 U
2-METHYLNAPHTHALENE	10 U			10 U	10 U		10 U
2-METHYLPHENOL	10 U			10 U	10 U		10 U
2-NITROANILINE	25 U			25 U	25 U		25 U
2-NITROPHENOL	10 U			10 U	10 U		10 U
3,3'-DICHLOROBENZIDINE	10 U			10 U	10 U		10 U
3-NITROANILINE	25 U			25 U	25 U		25 U
4,6-DINITRO-2-METHYLPHENOL	25 U			25 U	25 U		25 U
4-BROMOPHENYL PHENYL ETHER	10 U			10 U	10 U		10 U
4-CHLORO-3-METHYLPHENOL	10 U			10 U	10 U		10 U
4-CHLOROANILINE	10 U			10 U	10 U		10 U
4-CHLOROPHENYL PHENYL ETHER	10 U			10 U	10 U		10 U
4-METHYLPHENOL	10 U			10 U	10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2	2WCGW2S
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94	04/05/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW2S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:			2WCGW1S		2WCGW1S		
SEMIVOLATILES (UG/L)							
4-NITROANILINE	25 U			25 U	25 U		25 U
4-NITROPHENOL	25 U			25 U	25 U		25 U
ACENAPHTHENE	10 U			10 U	10 U		10 U
ACENAPHTHYLENE	10 U			10 U	10 U		10 U
ANTHRACENE	10 U			10 U	10 U		10 U
BENZO(A)ANTHRACENE	10 U			10 U	10 U		10 U
BENZO(A)PYRENE	10 U			10 U	10 U		10 U
BENZO(B)FLUORANTHENE	10 U			10 U	10 U		10 U
BENZO(G,H,I)PERYLENE	10 U			1 J	10 U		10 U
BENZO(K)FLUORANTHENE	10 U			10 U	10 U		10 U
BENZOIC ACID	50 U			50 U	50 U		50 U
BENZYL ALCOHOL	10 U			10 U	10 U		10 U
BIS(2-CHLOROETHOXY)METHANE	10 U			10 U	10 U		10 U
BIS(2-CHLOROETHYL)ETHER	10 U			10 U	10 U		10 U
BIS(2-CHLOROISOPROPYL) ETHER	10 U			10 U	10 U		10 U
BIS(2-ETHYLHEXYL)PHTHALATE	10 U			3 J	42 U		10 U
BUTYL BENZYL PHTHALATE	10 U			10 U	10 U		10 U
CARBAZOLE	10 U			10 U	10 U		10 U
CHRYSENE	10 U			10 U	10 U		10 U
DI-N-BUTYL PHTHALATE	10 U			10 U	10 U		10 U
DI-N-OCTYL PHTHALATE	10 U			10 U	10 U		10 U
DIBENZO(A,H)ANTHRACENE	10 U			0.8 J	10 U		10 U
DIBENZOFURAN	10 U			10 U	10 U		10 U
DIETHYL PHTHALATE	10 U			10 U	10 U		10 U
DIMETHYL PHTHALATE	10 U			10 U	10 U		10 U
FLUORANTHENE	10 U			10 U	10 U		10 U
FLUORENE	10 U			10 U	10 U		10 U
HEXACHLOROBENZENE	10 U			10 U	10 U		10 U
HEXACHLOROBUTADIENE	10 U			10 U	10 U		10 U
HEXACHLOROCYCLOPENTADIENE	10 U			10 U	10 U		10 U

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2	2WCGW2S
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94	04/05/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW2S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:			2WCGW1S		2WCGW1S		
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U			10 U	10 U		10 U
INDENO(1,2,3-CD)PYRENE	10 U			1 J	10 U		10 U
ISOPHORONE	10 U			10 U	10 U		10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U			10 U	10 U		10 U
N-NITROSODIPHENYLAMINE	10 U			10 U	10 U		10 U
NAPHTHALENE	10 U			10 U	10 U		10 U
NITROBENZENE	10 U			10 U	10 U		10 U
PENTACHLOROPHENOL	25 U			25 U	25 U		25 U
PHENANTHRENE	10 U			10 U	10 U		10 U
PHENOL	10 U			10 U	10 U		10 U
PYRENE	10 U			10 U	10 U		10 U
INORGANICS (UG/L)							
ALUMINUM	1700	36.5 U	37.3 U	1090 J	2970	29.4 U	103 U
ANTIMONY	13.0 U	13.0 U	13.0 U	12.0 R	13.0 U	12.0 UJ	13.0 U
ARSENIC	6.0 J	7.3	6.5	8.7 J	7.8 J	7.3 J	4.9 J
BARIUM	86.0 J	73.4	71.0	189 J	89.9 J	210 J	72.4 J
BERYLLIUM	1.2 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.3 J
BORON	498	582	569	3550 J	520	3740 J	75.1 U
CADMIUM	3.0 U	3.0 U	3.0 U	2.0 R	3.0 U	2.0 UJ	3.0 U
CALCIUM	121000	110000	110000	106000 J	116000	111000 J	41000
CHROMIUM	6.7 J	4.0 U	4.0 U	6.8 J	4.2 J	5.8 U	4.0 U
COBALT	15.5 J	16.6 U	15.4 U	4.8 J	14.7 J	11.0 U	6.9 J
COPPER	5.0 U	5.0 U	5.0 U	12.8 J	9.5 J	7.9 U	5.0 U
IRON	40000	35000	35400	13800 J	38800	9340 J	68000
LEAD	2.7 J	2.0 UJ	2.0 UJ	5.1 U	4.7 J	2.0 UJ	2.0 UJ
MAGNESIUM	34000	35500	34400	186000 J	33900	180000 J	5250
MANGANESE	4490	5080	5110	4980 J	4620	5220 J	4530
MERCURY	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U
NICKEL	11.0 U	11.0 U	14.0	7.0 UJ	11.0 U	7.0 UJ	11.0 U
POTASSIUM	15600	17800	17300	95700 J	16300	97500 J	9050

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW1S	2WCGW1S	2WCGW1S-D	2WCGW1S-2	2WCGW1S-D	2WCGW1S-2	2WCGW2S
INVESTIGATION:	PH2-1	PH2-1	PH2-1	PH2-2	PH2-1	PH2-2	PH2-1
SAMPLE DATE:	04/05/94	04/05/94	04/05/94	07/11/94	04/05/94	07/11/94	04/05/94
LOCATION:	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW1S	2WCMW2S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Unfiltered	Filtered	Filtered	Unfiltered	Unfiltered	Filtered	Unfiltered
FIELD DUPLICATE OF:			2WCGW1S		2WCGW1S		
INORGANICS (UG/L)							
SELENIUM	1.0 UJ	1.0 UJ	1.0 UJ	5.0 UJ	1.0 UJ	5.0 UJ	1.0 U
SILVER	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 U
SODIUM	164000	198000	188000	1900000 J	171000	1760000 J	66900
THALLIUM	10.0 UJ	10.0 UJ	10.0 UJ	5.6 J	10.0 UJ	5.0 UJ	13.8 J
VANADIUM	4.0 U	4.0 U	4.0 U	9.8 J	4.0 U	2.9 J	4.0 U
ZINC	29.4	19.6 U	19.0 U	7.4 U	41.7	2.0 UJ	5.4
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	64	436	428	1530	448		124

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW2S	2WCGW2S-2	2WCGW2S-2	2WCGW3S	2WCGW3S	2WCGW3S-2	2WCGW3S-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	04/05/94	07/11/94	07/11/94	03/31/94	03/31/94	07/10/94	07/10/94
LOCATION:	2WCMW2S	2WCMW2S	2WCMW2S	2WCMW3S	2WCMW3S	2WCMW3S	2WCMW3S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE		10 U		10 U		10 U	
1,1,2,2-TETRACHLOROETHANE		10 U		10 U		10 U	
1,1,2-TRICHLOROETHANE		10 U		10 U		10 U	
1,1-DICHLOROETHANE		10 U		10 U		10 U	
1,1-DICHLOROETHENE		10 U		10 U		10 U	
1,2-DICHLOROETHANE		10 U		10 U		10 U	
1,2-DICHLOROETHENE (TOTAL)		10 U		10 U		10 U	
1,2-DICHLOROPROPANE		10 U		10 U		10 U	
2-BUTANONE		10 U		10 U		10 U	
2-HEXANONE		10 U		10 U		10 U	
4-METHYL-2-PENTANONE		10 U		10 U		10 U	
ACETONE		12 U		10 U		18 U	
BENZENE		10 U		10 U		10 U	
BROMODICHLOROMETHANE		10 U		10 U		10 U	
BROMOFORM		10 U		10 U		10 U	
BROMOMETHANE		10 U		10 U		10 U	
CARBON DISULFIDE		10 U		10 U		10 U	
CARBON TETRACHLORIDE		10 U		10 U		10 U	
CHLOROBENZENE		10 U		10 U		10 U	
CHLOROETHANE		10 U		10 U		10 U	
CHLOROFORM		10 U		10 U		10 U	
CHLOROMETHANE		10 U		10 U		10 U	
CIS-1,3-DICHLOROPROPENE		10 U		10 U		10 U	
DIBROMOCHLOROMETHANE		10 U		10 U		10 U	
ETHYLBENZENE		10 U		10 U		10 U	
METHYLENE CHLORIDE		16 U		10 U		19 U	
STYRENE		10 U		10 U		10 U	
TETRACHLOROETHENE		10 U		10 U		10 U	
TOLUENE		10 U		10 U		10 U	
TRANS-1,3-DICHLOROPROPENE		10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW2S	2WCGW2S-2	2WCGW2S-2	2WCGW3S	2WCGW3S	2WCGW3S-2	2WCGW3S-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	04/05/94	07/11/94	07/11/94	03/31/94	03/31/94	07/10/94	07/10/94
LOCATION:	2WCMW2S	2WCMW2S	2WCMW2S	2WCMW3S	2WCMW3S	2WCMW3S	2WCMW3S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE		10 U		10 U		10 U	
VINYL ACETATE		10 U		10 U		10 U	
VINYL CHLORIDE		10 U		10 U		10 U	
XYLENES, TOTAL		10 U		10 U		10 U	
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE		10 U		10 U		10 U	
1,2-DICHLOROBENZENE		10 U		10 U		10 U	
1,3-DICHLOROBENZENE		10 U		10 U		10 U	
1,4-DICHLOROBENZENE		10 U		10 U		10 U	
2,4,5-TRICHLOROPHENOL		25 U		25 U		25 U	
2,4,6-TRICHLOROPHENOL		10 U		10 U		10 U	
2,4-DICHLOROPHENOL		10 U		10 U		10 U	
2,4-DIMETHYLPHENOL		10 U		10 U		10 U	
2,4-DINITROPHENOL		25 U		25 U		25 U	
2,4-DINITROTOLUENE		10 U		10 U		10 U	
2,6-DINITROTOLUENE		10 U		10 U		10 U	
2-CHLORONAPHTHALENE		10 U		10 U		10 U	
2-CHLOROPHENOL		10 U		10 U		10 U	
2-METHYLNAPHTHALENE		10 U		10 U		10 U	
2-METHYLPHENOL		10 U		10 U		10 U	
2-NITROANILINE		25 U		25 U		25 U	
2-NITROPHENOL		10 U		10 U		10 U	
3,3'-DICHLOROBENZIDINE		10 U		10 U		10 U	
3-NITROANILINE		25 U		25 U		25 U	
4,6-DINITRO-2-METHYLPHENOL		25 U		25 U		25 U	
4-BROMOPHENYL PHENYL ETHER		10 U		10 U		10 U	
4-CHLORO-3-METHYLPHENOL		10 U		10 U		10 U	
4-CHLOROANILINE		10 U		10 U		10 U	
4-CHLOROPHENYL PHENYL ETHER		10 U		10 U		10 U	
4-METHYLPHENOL		10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW2S	2WCGW2S-2	2WCGW2S-2	2WCGW3S	2WCGW3S	2WCGW3S-2	2WCGW3S-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	04/05/94	07/11/94	07/11/94	03/31/94	03/31/94	07/10/94	07/10/94
LOCATION:	2WCMW2S	2WCMW2S	2WCMW2S	2WCMW3S	2WCMW3S	2WCMW3S	2WCMW3S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE		25 U		25 U		25 U	
4-NITROPHENOL		25 U		25 U		25 U	
ACENAPHTHENE		10 U		10 U		10 U	
ACENAPHTHYLENE		10 U		10 U		10 U	
ANTHRACENE		10 U		10 U		10 U	
BENZO(A)ANTHRACENE		10 U		10 U		10 U	
BENZO(A)PYRENE		10 U		10 U		10 U	
BENZO(B)FLUORANTHENE		10 U		10 U		10 U	
BENZO(G,H,I)PERYLENE		10 U		10 U		10 U	
BENZO(K)FLUORANTHENE		10 U		10 U		10 U	
BENZOIC ACID		50 U		50 U		50 U	
BENZYL ALCOHOL		10 U		10 U		10 U	
BIS(2-CHLOROETHOXY)METHANE		10 U		10 U		10 U	
BIS(2-CHLOROETHYL)ETHER		10 U		10 U		10 U	
BIS(2-CHLOROISOPROPYL) ETHER		10 U		10 U		10 U	
BIS(2-ETHYLHEXYL)PHTHALATE		10 U		2 J		2 J	
BUTYL BENZYL PHTHALATE		10 U		10 U		10 U	
CARBAZOLE		10 U		10 U		10 U	
CHRYSENE		10 U		10 U		10 U	
DI-N-BUTYL PHTHALATE		10 U		10 U		10 U	
DI-N-OCTYL PHTHALATE		10 U		10 U		10 U	
DIBENZO(A,H)ANTHRACENE		10 U		10 U		10 U	
DIBENZOFURAN		10 U		10 U		10 U	
DIETHYL PHTHALATE		10 U		10 U		10 U	
DIMETHYL PHTHALATE		10 U		10 U		10 U	
FLUORANTHENE		10 U		10 U		10 U	
FLUORENE		10 U		10 U		10 U	
HEXACHLOROBENZENE		10 U		10 U		10 U	
HEXACHLOROBUTADIENE		10 U		10 U		10 U	
HEXACHLOROCYCLOPENTADIENE		10 U		10 U		10 U	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW2S	2WCGW2S-2	2WCGW2S-2	2WCGW3S	2WCGW3S	2WCGW3S-2	2WCGW3S-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	04/05/94	07/11/94	07/11/94	03/31/94	03/31/94	07/10/94	07/10/94
LOCATION:	2WCMW2S	2WCMW2S	2WCMW2S	2WCMW3S	2WCMW3S	2WCMW3S	2WCMW3S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE		10 U		10 U		10 U	
INDENO(1,2,3-CD)PYRENE		10 U		10 U		10 U	
ISOPHORONE		10 U		10 U		10 U	
N-NITROSO-DI-N-PROPYLAMINE		10 U		10 U		10 U	
N-NITROSODIPHENYLAMINE		10 U		10 U		10 U	
NAPHTHALENE		10 U		10 U		10 U	
NITROBENZENE		10 U		10 U		10 U	
PENTACHLOROPHENOL		25 U		25 U		25 U	
PHENANTHRENE		10 U		10 U		10 U	
PHENOL		10 U		10 U		10 U	
PYRENE		10 U		10 U		10 U	
INORGANICS (UG/L)							
ALUMINUM	33.8 U	56.6 U	45.9 U	8330	40.5 U	9210 J	27.6 U
ANTIMONY	13.0 U	12.0 U	12.0 U	13.0 U	15.2 J	12.0 R	16.4 U
ARSENIC	6.1	5.0 UJ	5.0 U	11.9	3.1 J	19.9 J	8.4 J
BARIUM	73.7	42.3	44.3	98.5 J	46.5 J	158 J	125 J
BERYLLIUM	1.2 U	1.0 U	1.0 U	1.0 J	1.2 J	1.4 J	1.0 UJ
BORON	75.3	82.4	72.2	1370	1220	3540 J	3810 J
CADMIUM	3.0 U	2.0 U	2.0 U	3.0 U	3.0 U	2.0 R	2.0 UR
CALCIUM	40900	26500	26400	104000	89100	264000 J	298000 J
CHROMIUM	4.0 U	3.0 U	3.7 U	24.9	4.0 U	21.4 J	8.2 U
COBALT	5.0 U	3.0 U	3.0 U	13.4 J	5.0 U	5.9 J	3.0 UJ
COPPER	5.0 U	2.0 U	2.0 U	33.5	5.0 U	38.5 J	23.0 J
IRON	69200	43100	43700 J	20400	4610	22000 J	10300 J
LEAD	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	16.8 J	2.0 UJ
MAGNESIUM	5220	3560	3520	132000	115000	448000 J	471000 J
MANGANESE	4580	2800	2820	3630	3070	6500 J	6540 J
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ
NICKEL	11.0 U	7.0 U	7.0 U	20.0 J	11.0 UJ	7.0 UJ	10.3 J
POTASSIUM	8510	7150	7190	68400	59400	173000 J	182000 J

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCGW2S	2WCGW2S-2	2WCGW2S-2	2WCGW3S	2WCGW3S	2WCGW3S-2	2WCGW3S-2
INVESTIGATION:	PH2-1	PH2-2	PH2-2	PH2-1	PH2-1	PH2-2	PH2-2
SAMPLE DATE:	04/05/94	07/11/94	07/11/94	03/31/94	03/31/94	07/10/94	07/10/94
LOCATION:	2WCMW2S	2WCMW2S	2WCMW2S	2WCMW3S	2WCMW3S	2WCMW3S	2WCMW3S
SCREEN DEPTH:	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
FILTERING:	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SELENIUM	1.0 U	5.0 UJ	5.0 UJ	3.0 UJ	3.0 UJ	5.0 UJ	5.0 UJ
SILVER	3.7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
SODIUM	67500	43900	44000	948000	847000	3570000 J	3580000 J
THALLIUM	10.0 UJ	5.0 U	5.0 U	1.0 UJ	1.5 U	5.7 J	5.0 UJ
VANADIUM	4.0 U	3.0 U	1.0 U	21.6 J	4.0 U	25.3 J	3.1 J
ZINC	8.0 U	3.4 U	3.7 U	52.0	14.2 J	30.5 J	2.0 UJ
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	125	78		860		4000	

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	5 U	10 U		10 U			
1,1,2,2-TETRACHLOROETHANE	5 U	10 U		10 U			
1,1,2-TRICHLOROETHANE	5 U	2 J		10 U			
1,1-DICHLOROETHANE	5 U	10 U		10 U			
1,1-DICHLOROETHENE	5 U	10 U		10 U			
1,2-DICHLOROETHANE	5 U	1 J		10 U			
1,2-DICHLOROETHENE (TOTAL)	5 U	10 U		10 U			
1,2-DICHLOROPROPANE	5 U	10 U		10 U			
2-BUTANONE	10 U	10 U		4 J			
2-HEXANONE	10 U	12		10 U			
4-METHYL-2-PENTANONE	10 U	12		10 U			
ACETONE	10 U	19 U		14 U			
BENZENE	5 U	10 U		10 U			
BROMODICHLOROMETHANE	5 U	10 U		10 U			
BROMOFORM	5 U	10 U		10 U			
BROMOMETHANE	10 U	10 U		10 U			
CARBON DISULFIDE	5 U	10 U		10 U			
CARBON TETRACHLORIDE	5 U	10 U		10 U			
CHLOROBENZENE	5 U	10 U		10 U			
CHLOROETHANE	10 U	10 U		10 U			
CHLOROFORM	5 U	10 U		10 U			
CHLOROMETHANE	10 U	10 U		10 U			
CIS-1,3-DICHLOROPROPENE	5 U	10 U		10 U			
DIBROMOCHLOROMETHANE	5 U	10 U		10 U			
ETHYLBENZENE	5 U	10 U		10 U			
METHYLENE CHLORIDE	5 U	10 U		18 U			
STYRENE	5 U	10 U		10 U			
TETRACHLOROETHENE	5 U	10 U		10 U			
TOLUENE	5 U	10 U		10 U			
TRANS-1,3-DICHLOROPROPENE	5 U	10 U		10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
TRICHLOROETHENE	5 U	2 J		10 U			
VINYL ACETATE	10 U	10 U		10 U			
VINYL CHLORIDE	10 U	10 U		10 U			
XYLENES, TOTAL	5 U	10 U		10 U			
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U			
1,2-DICHLOROBENZENE	10 U	10 U		10 U			
1,3-DICHLOROBENZENE	10 U	10 U		10 U			
1,4-DICHLOROBENZENE	10 U	10 U		10 U			
2,4,5-TRICHLOROPHENOL	50 U	25 U		25 U			
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 U			
2,4-DICHLOROPHENOL	10 U	10 U		10 U			
2,4-DIMETHYLPHENOL	10 U	10 U		10 U			
2,4-DINITROPHENOL	50 U	25 U		25 U			
2,4-DINITROTOLUENE	10 U	10 U		10 U			
2,6-DINITROTOLUENE	10 U	10 U		10 U			
2-CHLORONAPHTHALENE	10 U	10 U		10 U			
2-CHLOROPHENOL	10 U	10 U		10 U			
2-METHYLNAPHTHALENE	10 U	10 U		10 U			
2-METHYLPHENOL	10 U	10 U		10 U			
2-NITROANILINE	50 U	25 U		25 U			
2-NITROPHENOL	10 U	10 U		10 U			
3,3'-DICHLOROBENZIDINE	20 U	10 U		10 U			
3-NITROANILINE	50 U	25 U		25 U			
4,6-DINITRO-2-METHYLPHENOL	50 U	25 U		25 U			
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 U			
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U			
4-CHLOROANILINE	10 U	10 U		10 U			
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 U			
4-METHYLPHENOL	10 U	10 U		10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
4-NITROANILINE	50 U	25 U		25 U			
4-NITROPHENOL	50 U	25 U		25 U			
ACENAPHTHENE	10 U	10 U		10 U			
ACENAPHTHYLENE	10 U	10 U		10 U			
ANTHRACENE	10 U	10 U		10 U			
BENZO(A)ANTHRACENE	10 U	10 U		10 U			
BENZO(A)PYRENE	10 U	10 U		10 U			
BENZO(B)FLUORANTHENE	10 U	10 U		10 U			
BENZO(G,H,I)PERYLENE	10 U	10 U		10 U			
BENZO(K)FLUORANTHENE	10 U	10 U		10 U			
BENZOIC ACID	50 U	7 J		50 U			
BENZYL ALCOHOL	10 U	10 U		10 U			
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U		10 U			
BIS(2-CHLOROETHYL)ETHER	10 U	10 U		10 U			
BIS(2-CHLOROISOPROPYL) ETHER	10 U	10 U		10 U			
BIS(2-ETHYLHEXYL)PHTHALATE	2 J	36 U		2 J			
BUTYL BENZYL PHTHALATE	10 U	10 U		10 U			
CARBAZOLE		10 U		10 U			
CHRYSENE	10 U	10 U		10 U			
DI-N-BUTYL PHTHALATE	10 U	10 U		10 U			
DI-N-OCTYL PHTHALATE	10 U	2 J		10 U			
DIBENZO(A,H)ANTHRACENE	10 U	10 U		10 U			
DIBENZOFURAN	10 U	10 U		10 U			
DIETHYL PHTHALATE	10 U	10 U		10 U			
DIMETHYL PHTHALATE	10 U	10 U		10 U			
FLUORANTHENE	10 U	10 U		10 U			
FLUORENE	10 U	10 U		10 U			
HEXACHLOROBENZENE	10 U	10 U		10 U			
HEXACHLOROBUTADIENE	10 U	10 U		10 U			
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 U			

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
HEXACHLOROETHANE	10 U	10 U		10 U			
INDENO(1,2,3-CD)PYRENE	10 U	10 U		10 U			
ISOPHORONE	10 U	10 U		10 U			
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U		10 U			
N-NITROSODIPHENYLAMINE	10 U	10 U		10 U			
NAPHTHALENE	10 U	10 U		10 U			
NITROBENZENE	10 U	10 U		10 U			
PENTACHLOROPHENOL	50 U	25 U		25 U			
PHENANTHRENE	10 U	10 U		10 U			
PHENOL	10 U	10 U		10 U			
PYRENE	10 U	10 U		10 U			
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U						
4,4'-DDE	0.1 U						
4,4'-DDT	0.1 U						
ALDRIN	0.05 U						
ALPHA-BHC	0.05 U						
ALPHA-CHLORDANE	0.5 U						
AROCLOR-1016	0.5 U						
AROCLOR-1221	0.5 U						
AROCLOR-1232	0.5 U						
AROCLOR-1242	0.5 U						
AROCLOR-1248	0.5 U						
AROCLOR-1254	1 U						
AROCLOR-1260	1 U						
BETA-BHC	0.05 U						
DELTA-BHC	0.05 U						
DIELDRIN	0.1 U						
ENDOSULFAN II	0.1 U						
ENDOSULFAN SULFATE	0.1 U						

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
ENDOSULFAN-I	0.05 U						
ENDRIN	0.1 U						
ENDRIN KETONE	0.1 U						
GAMMA-BHC (LINDANE)	0.05 U						
GAMMA-CHLORDANE	0.5 U						
HEPTACHLOR	0.05 U						
HEPTACHLOR EPOXIDE	0.05 U						
METHOXYCHLOR	0.5 U						
TOXAPHENE	1 U						
INORGANICS (UG/L)							
ALUMINUM	30.0 U	182 U	19.2 U	291	31.8 U		
ANTIMONY	25.0 U	13.0 U	16.9	12.0 U	12.9 U		
ARSENIC	3.0 U	2.0 U	2.0 U	5.0 UJ	5.0 U		
BARIUM	70.1	93.8 J	81.9	135	113		
BERYLLIUM	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
BORON	1.4 R	35.9 U	50.0 U	17.3 U	15.2 U		
CADMIUM	2.0 UJ	3.0 U	3.0 U	2.0 U	2.0 U		
CALCIUM	28700	33800	32400	40900	40700		
CHROMIUM	5.0 U	4.0 U	4.0 U	3.0 U	3.0 UJ		
COBALT	5.0 U	5.0 U	5.0 U	3.0 U	3.0 U		
COPPER	5.0 U	5.0 U	5.0 U	3.9 J	2.0 U		
CYANIDE	5.0 UJ						
IRON	65.2 J	3220	25.3 U	7180	67.7 U		
LEAD	2.0 UR	2.7 J	2.0 UJ	5.0 U	2.0 U		
MAGNESIUM	2850	3100 J	3110	3520	3460		
MANGANESE	31.1	56.0	33.6	405	267		
MERCURY	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U		
NICKEL	18.6 J	11.0 U	11.0 U	7.0 U	7.0 U		
POTASSIUM	1170	1330 J	1390	1570	1920 U		
SELENIUM	1.0 UJ	1.0 U	1.0 U	6.0 J	5.0 UJ		

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	012491-2WMW4D	2WGW4D	2WGW4D	2WGW4D-2	2WGW4D-2		
INVESTIGATION:	PH1	PH2-1	PH2-1	PH2-2	PH2-2		
SAMPLE DATE:	01/24/91	04/05/94	04/05/94	07/11/94	07/11/94	/ /	/ /
LOCATION:	2WMW4D	2WMW4D	2WMW4D	2WMW4D	2WMW4D		
SCREEN DEPTH:	Deep	Deep	Deep	Deep	Deep		
FILTERING:	Unfiltered	Unfiltered	Filtered	Unfiltered	Filtered		
FIELD DUPLICATE OF:							
INORGANICS (UG/L)							
SILVER	7.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U		
SODIUM	9020 J	8270	8420	9010	9360		
THALLIUM	2.0 UR	1.0 U	1.0 UJ	5.0 U	5.0 U		
VANADIUM	20.0 U	4.0 U	4.0 U	3.0 U	1.0 U		
ZINC	15.0 J	8.8 J	7.5 U	20.0 U	2.3 U		
RADIONUCLIDES (PCI/L)							
GAMMA SPEC (K40)		ND		ND			
GROSS ALPHA	10.1 +/- 3.00	11 +/- 2.00 J		20 +/- 3.00			
GROSS BETA	4.4 +/- 3.00	5 +/- 1.00 J		22 +/- 2.00			
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3		92	94.0	118			

940000

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSW3	2WCSW3	2WCSW5				
INVESTIGATION:	PH2-1	PH2-1	PH2-1				
SAMPLE DATE:	12/19/93	12/19/93	12/19/93	/ /	/ /	/ /	/ /
LOCATION:	2WCSW3	2WCSW3	2WCSW5				
FILTERING:	Unfiltered	Filtered	Unfiltered				
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
1,1,1-TRICHLOROETHANE	10 U		10 U				
1,1,2,2-TETRACHLOROETHANE	10 U		10 U				
1,1,2-TRICHLOROETHANE	10 U		10 U				
1,1-DICHLOROETHANE	10 U		10 U				
1,1-DICHLOROETHENE	10 U		10 U				
1,2-DICHLOROETHANE	10 U		10 U				
1,2-DICHLOROETHENE (TOTAL)	10 U		10 U				
1,2-DICHLOROPROPANE	10 U		10 U				
2-BUTANONE	10 U		10 U				
2-HEXANONE	10 U		10 U				
4-METHYL-2-PENTANONE	10 U		10 U				
ACETONE	10 U		10 U				
BENZENE	10 U		10 U				
BROMODICHLOROMETHANE	10 U		10 U				
BROMOFORM	10 U		10 U				
BROMOMETHANE	10 U		10 U				
CARBON DISULFIDE	10 U		10 U				
CARBON TETRACHLORIDE	10 U		10 U				
CHLOROBENZENE	10 U		10 U				
CHLOROETHANE	10 U		10 U				
CHLOROFORM	10 U		10 U				
CHLOROMETHANE	10 U		10 U				
CIS-1,3-DICHLOROPROPENE	10 U		10 U				
DIBROMOCHLOROMETHANE	10 U		10 U				
ETHYLBENZENE	10 U		10 U				
METHYLENE CHLORIDE	10 U		10 U				
STYRENE	10 U		10 U				
TETRACHLOROETHENE	10 U		10 U				
TOLUENE	10 U		10 U				
TRANS-1,3-DICHLOROPROPENE	10 U		10 U				
TRICHLOROETHENE	10 U		10 U				
VINYL ACETATE	10 U		10 U				

000047

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSW3	2WCSW3	2WCSW5				
INVESTIGATION:	PH2-1	PH2-1	PH2-1				
SAMPLE DATE:	12/19/93	12/19/93	12/19/93	/ /	/ /	/ /	/ /
LOCATION:	2WCSW3	2WCSW3	2WCSW5				
FILTERING:	Unfiltered	Filtered	Unfiltered				
FIELD DUPLICATE OF:							
VOLATILES (UG/L)							
VINYL CHLORIDE	10 U		10 U				
XYLENES, TOTAL	10 U		10 U				
SEMIVOLATILES (UG/L)							
1,2,4-TRICHLOROBENZENE	10 U		10 U				
1,2-DICHLOROBENZENE	10 U		10 U				
1,3-DICHLOROBENZENE	10 U		10 U				
1,4-DICHLOROBENZENE	10 U		10 U				
2,4,5-TRICHLOROPHENOL	25 U		25 U				
2,4,6-TRICHLOROPHENOL	10 U		10 U				
2,4-DICHLOROPHENOL	10 U		10 U				
2,4-DIMETHYLPHENOL	10 U		10 U				
2,4-DINITROPHENOL	25 U		25 U				
2,4-DINITROTOLUENE	10 U		10 U				
2,6-DINITROTOLUENE	10 U		10 U				
2-CHLORONAPHTHALENE	10 U		10 U				
2-CHLOROPHENOL	10 U		10 U				
2-METHYLNAPHTHALENE	10 U		10 U				
2-METHYLPHENOL	10 U		10 U				
2-NITROANILINE	25 U		25 U				
2-NITROPHENOL	10 U		10 U				
3,3'-DICHLOROBENZIDINE	10 U		10 U				
3-NITROANILINE	25 U		25 U				
4,6-DINITRO-2-METHYLPHENOL	25 U		25 U				
4-BROMOPHENYL PHENYL ETHER	10 U		10 U				
4-CHLORO-3-METHYLPHENOL	10 U		10 U				
4-CHLOROANILINE	10 U		10 U				
4-CHLOROPHENYL PHENYL ETHER	10 U		10 U				
4-METHYLPHENOL	10 U		10 U				
4-NITROANILINE	25 U		25 U				
4-NITROPHENOL	25 U		25 U				
ACENAPHTHENE	10 U		10 U				
ACENAPHTHYLENE	10 U		10 U				

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSW3	2WCSW3	2WCSW5				
INVESTIGATION:	PH2-1	PH2-1	PH2-1				
SAMPLE DATE:	12/19/93	12/19/93	12/19/93	/ /	/ /	/ /	/ /
LOCATION:	2WCSW3	2WCSW3	2WCSW5				
FILTERING:	Unfiltered	Filtered	Unfiltered				
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
ANTHRACENE	10 U		10 U				
BENZO(A)ANTHRACENE	10 U		10 U				
BENZO(A)PYRENE	10 U		10 U				
BENZO(B)FLUORANTHENE	10 U		10 U				
BENZO(G,H,I)PERYLENE	10 U		10 U				
BENZO(K)FLUORANTHENE	10 U		10 U				
BENZOIC ACID	50 U		50 U				
BENZYL ALCOHOL	10 U		10 U				
BIS(2-CHLOROETHOXY)METHANE	10 U		10 U				
BIS(2-CHLOROETHYL)ETHER	10 U		10 U				
BIS(2-CHLOROISOPROPYL) ETHER	10 U		10 U				
BIS(2-ETHYLHEXYL)PHTHALATE	10 U		10 U				
BUTYL BENZYL PHTHALATE	2 J		10 U				
CARBAZOLE	10 U		10 U				
CHRYSENE	10 U		10 U				
DI-N-BUTYL PHTHALATE	10 U		10 U				
DI-N-OCTYL PHTHALATE	1 J		10 U				
DIBENZO(A,H)ANTHRACENE	10 U		10 U				
DIBENZOFURAN	10 U		10 U				
DIETHYL PHTHALATE	10 U		10 U				
DIMETHYL PHTHALATE	10 U		10 U				
FLUORANTHENE	10 U		10 U				
FLUORENE	10 U		10 U				
HEXACHLOROBENZENE	10 U		10 U				
HEXACHLOROBUTADIENE	10 U		10 U				
HEXACHLOROCYCLOPENTADIENE	10 U		10 U				
HEXACHLOROETHANE	10 U		10 U				
INDENO(1,2,3-CD)PYRENE	10 U		10 U				
ISOPHORONE	10 U		10 U				
N-NITROSO-DI-N-PROPYLAMINE	10 U		10 U				
N-NITROSODIPHENYLAMINE	10 U		10 U				
NAPHTHALENE	10 U		10 U				

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSW3	2WCSW3	2WCSW5				
INVESTIGATION:	PH2-1	PH2-1	PH2-1				
SAMPLE DATE:	12/19/93	12/19/93	12/19/93	/ /	/ /	/ /	/ /
LOCATION:	2WCSW3	2WCSW3	2WCSW5				
FILTERING:	Unfiltered	Filtered	Unfiltered				
FIELD DUPLICATE OF:							
SEMIVOLATILES (UG/L)							
NITROBENZENE	10 U		10 U				
PENTACHLOROPHENOL	25 U		25 U				
PHENANTHRENE	10 U		10 U				
PHENOL	10 U		10 U				
PYRENE	10 U		10 U				
PESTICIDES/PCBs (UG/L)							
4,4'-DDD	0.1 U		0.1 U				
4,4'-DDE	0.1 U		0.1 U				
4,4'-DDT	0.1 U		0.1 U				
ALDRIN	0.05 U		0.05 U				
ALPHA-BHC	0.05 U		0.05 U				
ALPHA-CHLORDANE	0.05 U		0.05 U				
AROCLOR-1016	1 U		1 U				
AROCLOR-1221	2 U		2 U				
AROCLOR-1232	1 U		1 U				
AROCLOR-1242	1 U		1 U				
AROCLOR-1248	1 U		1 U				
AROCLOR-1254	1 U		1 U				
AROCLOR-1260	1 U		1 U				
BETA-BHC	0.05 U		0.05 U				
DELTA-BHC	0.05 U		0.05 U				
DIELDRIN	0.1 U		0.1 U				
ENDOSULFAN II	0.1 U		0.1 U				
ENDOSULFAN SULFATE	0.1 U		0.1 U				
ENDOSULFAN-I	0.05 U		0.05 U				
ENDRIN	0.1 U		0.1 U				
ENDRIN ALDEHYDE	0.1 U		0.1 U				
ENDRIN KETONE	0.1 U		0.1 U				
GAMMA-BHC (LINDANE)	0.05 U		0.05 U				
GAMMA-CHLORDANE	0.05 U		0.05 U				
HEPTACHLOR	0.05 U		0.05 U				
HEPTACHLOR EPOXIDE	0.05 U		0.05 U				

SUMMARY OF SURFACE WATER ANALYTICAL RESULTS
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSW3	2WCSW3	2WCSW5				
INVESTIGATION:	PH2-1	PH2-1	PH2-1				
SAMPLE DATE:	12/19/93	12/19/93	12/19/93	/ /	/ /	/ /	/ /
LOCATION:	2WCSW3	2WCSW3	2WCSW5				
FILTERING:	Unfiltered	Filtered	Unfiltered				
FIELD DUPLICATE OF:							
PESTICIDES/PCBs (UG/L)							
METHOXYCHLOR	0.5 U		0.5 U				
TOXAPHENE	5 U		5 U				
INORGANICS (UG/L)							
ALUMINUM	111 U	15.6 U	182 U				
ANTIMONY	15.0 U	15.0 U	15.0 U				
ARSENIC	2.6 J	2.1 J	2.0 U				
BARIUM	5.0 U	5.0 U	6.8 J				
BERYLLIUM	1.0 U	1.0 U	1.0 U				
BORON	50.0 U	50.0 U	50.0 U				
CADMIUM	6.6	5.6	2.0 U				
CALCIUM	1490	1540	3310				
CHROMIUM	3.0 U	3.0 U	3.0 U				
COBALT	4.0 U	4.0 U	4.0 U				
COPPER	4.2 U	4.1 U	2.0 U				
IRON	217	56.6 U	1100				
LEAD	3.9	1.0 J	7.0				
MAGNESIUM	366	344	618				
MANGANESE	28.1	24.7	48.0				
MERCURY	0.2 U	0.2 U	0.2 U				
NICKEL	10.0 U	10.0 U	10.0 U				
POTASSIUM	501 U	488 U	765 U				
SELENIUM	2.0 UJ	2.0 UJ	2.0 UJ				
SILVER	2.0 UJ	2.0 UJ	2.0 UJ				
SODIUM	2620	2750	2990				
THALLIUM	1.0 U	1.0 U	1.0 U				
VANADIUM	5.0 U	5.0 U	5.0 U				
ZINC	135	120	27.0 U				
MISCELLANEOUS PARAMETERS (MG/L)							
HARDNESS as CaCO3	20		12				

000054

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SOIL)
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCTB5-0608	2WMW4(0-2)					
INVESTIGATION:	PH2-1	PH1					
SAMPLE DATE:	01/19/94	09/26/90					
LOCATION:	2WCTB5	2WMW4S					
SAMPLE TYPE:	GRAB	GRAB					
STATUS:							
FIELD DUPLICATE OF:							
TCLP PESTICIDES (MG/L)*							
CHLORDANE (0.03/NA)		0.0020 U					
ENDRIN (0.02/NA)		0.0002 U					
GAMMA-BHC (LINDANE) (0.4/NA)		0.0002 U					
HEPTACHLOR (0.008/NA)		0.0002 U					
METHOXYCHLOR (10.0/NA)		0.0020 U					
TOXAPHENE (0.5/NA)		0.0020 U					
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.0317 J	0.100 U					
BARIUM (100.0/1.0)	0.0317	0.0830					
CADMIUM (1.0/0.005)	0.0020 U	0.0050 U					
CHROMIUM (5.0/0.05)	0.0043 J	0.0500 U					
LEAD (5.0/0.015)	0.0190 U	0.100 UJ					
MERCURY (0.2/0.002)	0.0020 U	0.0020 U					
SELENIUM (1.0/0.05)	0.209	0.100 U					
SILVER (5.0/0.036)	0.0020 U	0.0080 UJ					

* - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.

000052

SUMMARY OF TOXICITY CHARACTERISTIC LEACHING PROCEDURE ANALYTICAL RESULTS (SEDIMENT)
SITE 2 - AREA A WEAPONS CENTER

SAMPLE NUMBER:	2WCSD2						
INVESTIGATION:	PH2-1						
SAMPLE DATE:	03/09/94						
LOCATION:	2WCSD2						
SAMPLE TYPE:	GRAB						
STATUS:							
FIELD DUPLICATE OF:							
TCLP METALS (MG/L)*							
ARSENIC (5.0/0.05)	0.0260 U						
BARIUM (100.0/1.0)	0.248						
CADMIUM (1.0/0.005)	0.0020 U						
CHROMIUM (5.0/0.05)	0.0030 U						
LEAD (5.0/0.015)	0.0140 U						
MERCURY (0.2/0.002)	0.0020 UJ						
SELENIUM (1.0/0.05)	0.0240 U						
SILVER (5.0/0.036)	0.0020 U						

*** - Federal Toxicity Characteristic Regulatory Level (58 FR 46049)/Connecticut Remediation Standard Pollutant Mobiltiy Criteria for GA/GAA waters.**

Halliburton NUS CORPORATION

NUS LABORATORY
Two Marquis Office Plaza, Suite 200
5313 Campbells Run Road
Pittsburgh, Pennsylvania 15205

(412) 747-2580
FAX: (412) 747-2684

January 25, 1994
Report No.: 00019043
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: NAVY CLEAN - C/O HALLIBURTON NUS
ADDRESS: 661 ANDERSEN DRIVE
PITTSBURGH, PA 15220-0000
ATTENTION: MR. MATT COCHRAN

NUS CLIENT NO: 1495 0022
WORK ORDER NO: 9594
VENDOR NO:

Carbon Copy:

SAMPLE ID: 2WCSD5
NUS SAMPLE NO: P0258395
P.O. NO.: CTO# 129

DATE SAMPLED: 20-DEC-93
DATE RECEIVED: 22-DEC-93
APPROVED BY: Kieda, Chuck

LN	TEST CODE	DETERMINATION	RESULT	UNIT
1	T45	Grain Size - Sieve & Hydrometer		
		f. 3/8 inch sieve	100.0	% Passed
		g. Sieve No. 4	97.4	% Passed
		h. Sieve No. 10	85.8	% Passed
		i. Sieve No. 20	65.2	% Passed
		j. Sieve No. 40	47.3	% Passed
		k. Sieve No. 60	34.9	% Passed
		l. Sieve No. 140	24.9	% Passed
		m. Sieve No. 200	22.5	% Passed
		n. Particle Size .022 mm	18.2	% Passed
		o. Particle Size .007 mm	9.5	% Passed
		p. Particle Size .001 mm	2.6	% Passed
2	T55	Moisture Content	59.0	%
3	T70	Specific gravity f-grn	2.61	
4	T63	Organic Content of Soil	93.2	%
5	ACECS	Cation Exchange Capacity (CEC)	27	meq/100 g
6	I490S	Non-aqueous sample pH in Water	6.4	
7	I107S	Carbon, Total Organic (as C)	16000	mg/kg
8	I620Z	Percent Solids at 103C	60.3	%

COMMENTS:

Results are reported on a wet weight basis for all analyses except radiochemical and geotechnical determinations.

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January 25, 1994
Report No.: 00019043
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: NAVY CLEAN - C/O HALLIBURTON NUS
ADDRESS: 661 ANDERSEN DRIVE
PITTSBURGH, PA 15220-0000
ATTENTION: MR. MATT COCHRAN

NUS CLIENT NO: 1495 0022
WORK ORDER NO: 9594
VENDOR NO:

Carbon Copy:

SAMPLE ID: 2WCSD1~~5~~1
NUS SAMPLE NO: P0258396
P.O. NO.: CTO# 129

DATE SAMPLED: 20-DEC-93
DATE RECEIVED: 22-DEC-93
APPROVED BY: Kieda, Chuck

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	T45	Grain Size - Sieve & Hydrometer		
		g. Sieve No. 4	100.0	% Passed
		h. Sieve No. 10	96.6	% Passed
		i. Sieve No. 20	80.5	% Passed
		j. Sieve No. 40	44.7	% Passed
		k. Sieve No. 60	14.7	% Passed
		l. Sieve No. 140	2.2	% Passed
		m. Sieve No. 200	1.5	% Passed
		n. Particle Size .021 mm	^	
		o. Particle Size .006 mm	^	
		p. Particle Size .001 mm	^	
2	T55	Moisture Content	30.1	%
3	T70	Specific gravity f-grn	2.70	
4	T63	Organic Content of Soil	99.6	%
5	ACECS	Cation Exchange Capacity (CEC)	2.7	meq/100 g
6	I490S	Non-aqueous sample pH in Water	6.3	
7	I107S	Carbon, Total Organic (as C)	510	mg/kg
8	I620Z	Percent Solids at 103C	75.3	%

COMMENTS:

Results are reported on a wet weight basis for all analyses except radiochemical and geotechnical determinations.

1 ^ Insufficient quantity of fines to accurately measure.