Appendix B Test Pit Logs

# TEST PIT LOG for Test Pit #: 1 Project: Raytheon Wayland Proje Client: Raytheon Company Log Contractor: Enpro, Inc. Cont

2/15/96 Wayland, MA

> 5.0 feet ≈5.0 feet

Surface Elevation: Not Measured

Date Started:\_\_

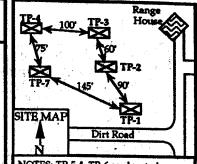
Location:\_

Total Depth:\_

Depth to GW:

ERM-NEW ENGLAND, INC. 206 PORTLAND STREET ERM BOSTON, MA 02114

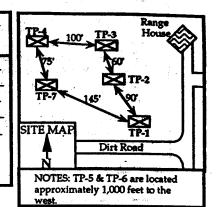
143.40
D'Agostino
nel: <u>Dennis</u>
2/15/96
John Deere, 410D Backhoe



NOTES: TP-5 & TP-6 are located approximately 1000 feet to the west

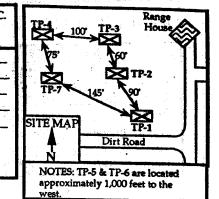
					west,		
Scale (Feet)	Strata	Strata Samp		Rock and Soil Description	Comments (headspace readings)		
(Feet)		Type/No.	Depth	epth (neadspace rea			
			0.0'-2.0'	Dark brown fine-medium SAND and SILT,			
				with some organics, clean, dry.	Photo #1 taken of TP-1		
_				with some organics, clearly dry.			
	ļ				· · · · · · · · · · · · · · · · · · ·		
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<u>L</u>							
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					en e		
<b> -</b>					<del>-</del>		
2					2 -		
			2.0' - 4.0'	Ltbrown fine SAND and SILT with trace clay			
	1		, ·	and gravel, clean, layering evident.	· · · · · · · · · · · · · · · · · · ·		
_				and graves, crossly my orang ovincerin	,		
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F.3 -					3		
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		,		,	. :		
					<del></del>		
4		TP-1			4-		
		S-1, 4'-5'	4.0' - 5.0'				
	]	9:30	•	evidence of contamination, water entering hole			
Γ		7.00		at 5 foot depth.			
<u> </u>					<del>-</del>		
5					5 =		
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# ERM-NEW ENGLAND, INC. 205 PORTLAND STREET ERM BOSTON, MA 02114 TEST PIT LOG for Test Pit #: 2 Project Number:\_ 143.40 Raytheon, Wayland John D'Agostino Client: Raytheon Company Log By:\_\_ Enpro, İnc. Contractor Personnel:\_ **Dennis** Contractor: 2/15/96 Date Started:\_ Date Finished:\_\_ John Deere, 410D Backhoe Location:\_ Wayland, MA Equipment Used:\_ Surface Elevation: Not Measured 7.5 feet Total Depth:\_ 6.0 feet Depth to GW:



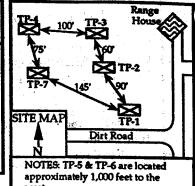
	· ·				
Scale (Feet)	Strata	San Type/No.	nple Depth	Rock and Soil Description	Comments (headspace readings)
i g			0.0' - 2.0'	Light brown, fine-medium SAND and SILT with some organics, trace coarse gravel, trace fill material (cinder block pieces), dry, clean,	Photo #2 taken of TP-2 — —
<b>-</b> 1 <b>-</b>					<b>-1</b> -
					2
			2.0' - 4.0'	Brown, fine SAND and SILT with trace gravel and clay, cinder block pieces found in places, no other fill materials evident. Dry-damp, clean.	- - -
<b>-</b> 3 <b>-</b>					<b>-</b> 3 <b>-</b> 
- 4		TP-2	40, 50	Water seeping into hole at ≈4' level in places.	4-
_	·	S-1, 4'-5' 10:00	4.0' - 5.0'	Black, fine SAND and SILT with some clay, organic rich sandy loam, slight odor.	
- 5 			5.0' - 6.0'	Brown, fine-med SAND and SILT, wet, layering evident, water entering hole in certain areas.	5 
			6.0' - 7.5'	Gray-brown, v-fine SAND, SILT and Clay, oxidation stains evident in places, saturated, clean, bottom of excavation filled with water after 10 minutes.	
- 7 <b>-</b>			. ,		<b>- 7 -</b>

### ERM-NEW ENGLAND, INC. 205 PORTLAND STREET ERM BOSTON, MA 02114 TEST PIT LOG for Test Pit #: 3 Raytheon. Wayland Project:\_\_ Project Number: 143.40 Client: Raytheon Company John D'Agostino Log By:\_ Contractor:\_ Enpro, Inc. Contractor Personnel: **Dennis** Date Started:\_ 2/15/96 2/15/96 Date Finished:\_ Wayland, MA John Deere, 410D Backhoe Location: Equipment Used:\_ Surface Elevation:\_ Not Measured 7.5 feet Total Depth:\_ ≈7 feet Depth to GW:



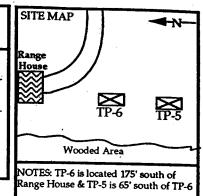
Scale	Strata	Strata Sam		Rock and Soil Description	Comments
(Feet)	Juata	Type/No.	Depth		(headspace readings)
			0.0' - 0.25'	Grass, topsoil and organics	
- - - 1		TP-3 S-1, .25'-2 10:30	0.25' - 2.0'	Tan, v-fine SAND and SILT with trace coarse sand and fine gravel, dry; strong odor, slightly sweet, no visible staining. No elevated PID reading from of soil s on sides of excavation.	PID = 625ppm VOC 8260 TPH-8100
2	-22				
		1	2.0' - 3.0'	Dark brown, fine-med SAND, Silt and Clay, some gravel.	
3		, a	3.0' - 3.5'	Brown-tan, coarse SAND and SILT, trace gravel, damp-moist. Water seepage at 3.5 feet.	1
4	·		3.5' - 5.0'	Dark brown, medium SAND and SILT with trace clay, moist-wet.	1
5		TP-3 S-2,5'-6' 10:35	5.0' - 6.0'	Black, fine-med SAND, Silt and Clay with organics present, sandy loam, no odor, trace trace debris (crushed class, brick, etc.).	PID = Not measured
6 <b></b>			6.0' - 7.5'	Gray-brown, fine-medium SAND, wet Silt and Clay, horizontally stratified.	
7-		a a a			• • • • • • • • • • • • • • • • • • •

# ERM-NEW ENGLAND, INC. 205 PORTLAND STREET ERM · BOSTON, MA 02114 TEST PIT LOG for Test Pit #: 4 143.40 Raytheon, Wayland Project Number:\_ Project:\_ Log By: John D'Agostino Client: Raytheon Company Contractor:\_\_ Enpro, Inc. Contractor Personnel:\_ Dennis Date Started:\_ 2/15/96 2/15/96 Date Finished:\_ Equipment Used: John Deere, 410D Backhoe Wayland, MA Location:\_ Surface Elevation: Not Measured 9.0 feet Total Depth:\_ 7.0 feet Depth to GW:



		* .		the state of the s	
Scale (Feet)	Strata	San Type/No.	nple Depth	Rock and Soil Description	Comments (headspace readings)
	The second secon	: :	0.0' - 0.5'	Grass, topsoil, ltbrown coarse sand with trace gravel. Three copper insulated wires (*1/16" thick) were broken during initial scoop with backhoe.	
- - 1			0.5' - 1.5'	12" - Dark brown, fine-medium SAND and SILT with trace gravel, dry.	— 1 —
_ 2			1.5' - 7.0'	Light brown, fine-medium SAND and GRAVEL, with some silt, some fill material (clay pipe pieces), no layering, no staining or odor. Primarily sand and gravel fill.	Photo #5 & #6 are of TP-4. — 2 —
_					
- 3 					<b>→</b> 3 <b>-</b>
_ _ _ 4 _					- 4
		TP-4 S-1, 4'-5' 11:00			
- -					
<b>-</b> 6 <b>-</b>					<b></b> 6 -
					7-
		TP-4 S-2, 7'-8' 11:05	7.0' - 9.0'	Black, fine SAND and SILT with trace clay (sandy loam), organic rich, slight sewage smell, excavation collapsed to 8.0' depth.	

TEST PIT LOG for Test Pit #:	5	ERM-NEW ENGLAND, INC. 205 PORTLAND STREET ERM BOSTON, MA 02114
Project: Raytheon, Wayland	Project Number	er: 143.40
Client: Raytheon Company	Log By:Jo	ohn D'Agostino
Contractor: Enpro, Inc.		sonnel: Dennis
Date Started: 2/15/96	Date Finished:	2/15/96
Location: Wayland, MA		ed:John Deere, 410D Backhoe
Surface Elevation: Not Measured		
Total Depth: 7.0 feet		
Depth to GW: 7.0 feet		

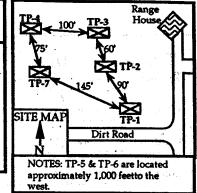


Scale	<i>c.</i> .	Sar	nple		Communication
(Feet)	Strata	Type/No.		Rock and Soil Description	Comments (headspace readings)
- - - 1		TP-5 S-1, 0-2' 8:50AM	0' - 2.0'	24" - Dark brown, fine-med SAND and SILT with trace gravel, fill material evident in this layer (metal wire, particle board, clay pipe), organic material evident. Discontinuous lt. brown med sand layer ≈0.5' thick located at ≈1.0' depth.	PID = 9 9ppm
- 2		TP-5 S-3, 4'-4.5	2.0' - 4.0' 4.0 - 4.5'	24" - Brown, med-coarse SAND, SILT and Clay, trace gravel, hetrogeneous.  6" - Layer of brown coarse sand above 4.5' level where water is entering hole.	- 3 4
5 6 7		TP-5 S-2, 7.0' 9:00AM	4.5' - 7.0'	24" - Brown, fine-med SAND and SILT with trace fine gravel, tight. Water table at seven feet. Excavation collapsing at seven foot level due to water entering from sidewalls.	PID = 10ppm (soils screened in backhoe bucket)  - 5

•		
TEST PIT LOG for Test Pit #:	6 ERM-NEW ENGLAND, INC. 205 PORTLAND STREET BOSTON, MA 02114	SITE MAP N
Project: Raytheon, Wayland	Project Number: 143.40	Range House
Client: Raytheon Company	Log By: John D'Agostino	
Contractor: Enpro, Inc.	Contractor Personnel: Dennis	
Date Started: 2/15/96	Date Finished: 2/15/96	
Location: Wayland, MA	Equipment Used: John Deere, 410D Backhoe	11-5
Surface Elevation: Not Measured		
Total Depth: 9.0 feet		Wooded Area
Depth to GW: 7.0 feet		NOTES: TP-6 is located 175' south of
		Range House & TP-5 is 65' south of TP-6

Scale (Feet)	Strata	San Type/No.	nple Depth	Rock and Soil Description	Comments (headspace readings)	
			0.0 - 1.0'	12" - Dark brown, medium SAND and SILT, clean and damp-dry.	Photo #8 is of TP-6	
		TP-6 S-2, 1-1.5' 8:30	1.0' - 1.5'	6" - Black-gray, fine-coarse GRAVEL and SAND, damp, crushed gravel pack, possibly old road.	5	
_ 2			1.5' - 4.0'	30" - Brown, med-coarse SAND, SILT and Gravel, clean, moist- wet.		
-  -						
3 -					— 3 — — 3 —	
		•				
- 4			4.0' - 5.0'	12" - Brown, med SAND, SILT and Clay, clean, wet, dense. Water seeping into hole above this layer.	<b>4</b>	
			5.0' - 7.0'	24" - Brown, fine SAND and SILT, laminated, tight.	:	
_ _ 6 <b>_</b>			·			
_				,	· · · · · · · · · · · · · · · · · · ·	
7		777. <	<b>50</b> 50	Water table at 7.	7-	
L		TP-6 S-1, 7'-9' 8:20	7.0' - 9.0'	24" - Brown, medcoarse, SAND and SILT, layering evident. Excavation collapsing due to water entering from sidewalls at this level.	PID = 8.9ppm TPH-8100 VOC-8260	

## ERM-NEW ENGLAND, INC. 205 PORTLAND STREET ERM BOSTON, MA 02114 7 TEST PIT LOG for Test Pit #: Raytheon, Wayland 143.40 Project Number: Project:\_ John D'Agostino Raytheon Company or: Enpro, Inc. Client:\_ Log By:\_ Contractor: Contractor Personnel: **Dennis** 2/15/96 Date Started:\_ 2/15/96 Date Finished:\_ Wayland, MA John Deere, 410D Backhoe Location: Equipment Used:\_\_ Surface Elevation: Not Measured 6.0 feet Total Depth: 5.0 feet Depth to GW:



Scale	Church	San	nple	Rock and Soil Description	Comments
(Feet)	Strata	Type/No.	Depth	Rock and Soil Description	(headspace readings)
	·		0 - 1.0'	Top 6" - Grass and tan well sorted fine-med SAND and Silt (topsoil), clean and dry.  Next 6" - Same as above but dark brown( subsoil).	Photos #9 & #10 are of
			1.0' - 2.0'	Brown, SAND and SILT with trace fine gravel, fill material, water seeping out of this interval.	
_ 2			2.0' - 5.0'	Black, fine SAND and SILT with some clay, organic rich sandy loam.	2 -
<b>-3-</b>					— 3 — —
<b>- 4</b> 					<b>- 4-</b>
- 5					
		TP-7 S-1, 5'-6' 11:30	5.0' - 6.0'	Gray-brown, fine SAND and SILT with trace clay, layering evident at this level. Excavation filled with water at this level and collapsed to 5'.	
- 7 <b>-</b> -					7-

		8	<b>TP-8</b>		Notes:	N
Proje	ect:	Raytheon-Wayland	Ph II	Project Number: 143.45		
Clier	nt:	Raytheon		Logged by: Joe Fiacco		
Cont	ractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	TP-9 TP-10	TP-11
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98		
Loca	tio <u>n:</u>	Wayland, Massachi	usetts	Test Pit Method: John Deere 710D Backhoe	TP-8 TP-12  Building 2	٦
			DID		Building 2	
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observa	itions
		Fill		0' - 4': Brown, medium to coarse SAND and fine		_
_ 1 _				GRAVEL FILL		_
2				_		_
				<del>-</del> -		_
3				_		_
_ <sub>4</sub>				_		_
-		Till	0.0	4' - >7': Brown, fine SAND with some coarse sand		<u>_</u>
5				and silt - TILL		_
				Groundwater @ ~5 feet (no odor or sheen)		_
6				_		_
7				_ _		_
_				_		_
- 8 -				_		_
9				<del>_</del>		_
				<del>-</del> -		_
10				_		_
 11				<del>_</del>		_
_ 1 1 -				_		_
12				<b>-</b> -		_
				_		

Tes		-	TP-9			Notes:		∱Ν
Proje		Raytheon-Wayland	Ph II		143.45			
Clien		Raytheon  Geosearch, Inc.			Joe Fiacco Tom Belsky			
		11-May-98			11-May-98	TP-9	TP-10	TP-11
Locat		Wayland, Massachi	usetts		John Deere 710D Backhoe	TP-8	⊞ TP-12	
			<u> </u>			Bui	ding 2	
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil	Description/Classification	Comme	nts/Observ	ations
-		Fill			to coarse SAND and fine			_
_ 1				GRAVEL FILL				-
2				_				_
3				_				-
_				_				_
4 -				_				_
5				Groundwater @ ~5 fee	t (no odor or sheen)			_
<b>-</b>		Black Fine Sand	0.0	5' - 5.5': Black, fine SA APPARENT BURIED	ND, some silt and organics -			_
-		Grey Fine Sand			AND, trace coarse sand, bedded -			
7 -				STRATIFIED DRIFT				_
8				<b>-</b> -				_
				<u>-</u>				_
- " -				_				_
10_				_				_
11				<u>_</u>				_
				<u>-</u>				_
12				_				_

	-	ГР-1(		Notes:	<b>↑</b> N
Project:	Raytheon-Wayland	Ph II	Project Number: 143.45		
Client:	Raytheon		Logged by: Joe Fiacco		
Contractor:	Geosearch, Inc.		Operator: Tom Belsky		<del>  </del> P-11
Date Started:	11-May-98		Date Finished: 11-May-98		
Location:	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	TP-8 TP-12  Building 2	
Depth Sample II	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observation	ons
	Fill		0' - 4': Brown, medium to coarse SAND and fine		
1			GRAVEL FILL		
_					_
_ 2 _			_		_
3			-		_
- ' -			-		_
4			Groundwater @ ~4 feet (slight H2S odor; no sheen)		_
	Black fine to		4' - 5': Black, fine to medium SAND, trace organics		_
5	medium Sand		APPARENT BURIED SOIL HORIZON		
_	Grey fine Sand	0.0	5' - >7.5': Grey, fine SAND, some silt, well sorted		_
_ 6 _			STRATIFIED DRIFT		_
<b>-</b>			-		_
- ' -			-		_
_ 8 _					
_ ]					
9 -			_		_
_			_		_
_ 10 _			-		_
- 11			<del>-</del>		_
- * * -					_
12					_
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Tes	st Pit I	Log for:	<b>TP-1</b> 1		Notes:	ÎΝ
Proj	ect:	Raytheon-Wayland	l Ph II	Project Number: 143.45		•
Clier	nt:	Raytheon		Logged by: Joe Fiacco		
Cont	ractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	TP-9 TP-10	TP-11
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98		
Loca	tio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	TP-8 TP-12  Building 2	$\neg$
		St. attanak	PID	Rock and Soil Description/Classification	C	-4'
Depth	Sample ID	Stratigraphy	(ppm)	-	Comments/Observa	ations
1		Topsoil		0' - 1': Dark brown, fine to medium SAND, some organic matter - TOPSOIL		_
_		Medium Sand	0.0	1' - >7.5': Brown, medium SAND, some fine sand		_
2 _				and coarse sand, bedded - STRATIFIED DRIFT		_
- , -				-		-
_ 3 _				<del>-</del>		-
4						_
_ ]						_
5 _						_
6				Groundwater @ ~6 feet (no odor; no sheen)		-
_ ]						_
7 -						_
8				_		-
-				_		_
9						_
				_		-
_ 10 _				_		-
- 11						-
_						_
12				_		_
						_

Tes	st Pit I	Log for:	TP-12		Notes:	N
Proj	ect:	Raytheon-Wayland	l Ph II	Project Number: 143.45		
Clier	nt:	Raytheon		Logged by: Joe Fiacco		
Cont	ractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	TP-9 TP-10	TP-11
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98		
Loca	tio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	TP-8 TP-12  Building 2	$\neg$
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observ	ations
Бери	Sumple 12	Topsoil	(PP)	0' - 2': Dark brown, fine to medium SAND, some	Commences Coser (	ations
- <sub>1</sub>		Торѕоп		organic matter - TOPSOIL		-
						_
2						_
		Fine to coarse	0.0	2' - >9': Brown, fine to coarse SAND, bedded, dry -		_
3		Sand		STRATIFIED DRIFT		_
_				No Groundwater Observed		_
4 _				_		_
				_		_
- 5 -				-		_
6						-
- ~ -						
7						_
				_		_
8 -				_		_
				-		_
- 9 -				-		_
10						_
						_
11						_
_						_
12				_		_
			1			_

		-	TP-13		Notes:
Proje	ect:	Raytheon-Wayland	d Ph II	Project Number: 143.45	
Clien	ıt:	Raytheon		Logged by: Joe Fiacco	TP-15 TP-16
Cont	ractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	TP-17
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98	Fmr W/W
Loca	tio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Plant Building 2
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Fill		0' - 3': Brown, fine to coarse SAND FILL	_
1				_	_
				_	_
2 _				_	_
				_	_
3 -				_	_
		Coarse Sand		3' - 5': Brown, coarse SAND and fine GRAVEL,	_
- 4 -				bedded - STRATIFIED DRIFT	_
				_	_
- 5 -		7	0.0	Groundwater @ ~5 feet (no odor; no sheen)	_
		Fine to medium	0.0	5' - >8': Brown, fine to medium SAND, bedded -	_
- 6 -		Sand		STRATIFIED DRIFT	_
7				<del>-</del>	_
- ′ -				_	-
8				_	-
- Ŭ <b>-</b>				_	-
9					-
				_	_
10					_
					_
11				<u>_</u>	
_ ]					_
12				<u> </u>	_
				_	_

Tes	st Pit I	Log for:	TP-14	1	Notes: N
Proj	ect:	Raytheon-Wayland	l Ph II	Project Number: 143.45	
Clier	nt:	Raytheon		Logged by: Joe Fiacco	TP-15 TP-16
Cont	ractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98	Fmr W/W Plant
Loca	tio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Building 2
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Fill		0' - 3': Brown, medium to coarse SAND FILL	_
1				3' - 4': grey, medium GRAVEL FILL	_
- , -				-	_
_ 2 _				-	_
3				<del>-</del>	_
- ' -				-	_
- <sub>4</sub>				Groundwater @ ~4 feet (no odor; no sheen)	_
-		Red, Fine to	0.0	4' - 5': Red, fine to medium SAND, bedded -	
<b>-</b> 5		Medium Sand	0.0	STRATIFIED DRIFT	_
-		Grey, Fine to		5' - >7': Grey, fine to medium SAND, bedded -	_
6		Medium Sand		STRATIFIED DRIFT	_
-		Tribulani Suna			_
7					_
-					-
8					_
					_
9					_
					-
10					-
_					-
11				Γ	
_				Γ	_
12				Γ	_

Test Pit	Log for:	<b>TP-15</b>	Project Number: 143.45	Notes:
Client:	Raytheon		Logged by: Joe Fiacco	TP-15 TP-16
Contractor:  Date Started:	Geosearch, Inc.		Operator: Tom Belsky  Date Finished: 11-May-98	TP-17 TP-14 TP-13 Fmr W/W
Location:	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Plant Building 2
Depth Sample II	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
	Fill		0' - 3': Brown, medium to coarse SAND FILL 3' - 4': Grey, medium GRAVEL FILL	- - -
- 3 - 3 4 - 4				-
- 5	Fine to medium Sand	0.0	4' ->6': Grey, fine to medium SAND, some black staining, bedded - STRATIFIED DRIFT	- - - - -
- 8 9 10 11			- - - - -	- - - - -
12			<del>-</del> -	-

Test Pit		ГР-16		Notes:
Project:	Raytheon-Wayland Raytheon	I Ph II	Project Number: 143.45  Logged by: Joe Fiacco	TP-15 TP-16
Contractor:	Geosearch, Inc.		Operator: Tom Belsky	TP-17
Date Started: Location:	11-May-98 Wayland, Massach	usetts	Date Finished:       11-May-98         Test Pit Method:       John Deere 710D Backhoe	W/W Plant
D. d. Samala III	Stuatiquanhy	PID	Rock and Soil Description/Classification	Building 2  Comments/Observations
Depth Sample II	Fill Fill	(ppm)	0' - 3': Brown, medium to coarse SAND FILL3' - 4': Grey, medium GRAVEL FILL	Comments/Observations
- <sup>3</sup> 4 -			Groundwater @ ~ 4 feet (no odor; no sheen)	- -
 - 5 - 6	Till	0.0	_4' ->6': Grey, fine SAND and SILT, with medium sand, trace coarse sand - TILL	- - -
 - 7 - 7			_ _ _ _	- -
- <sup>8</sup> - 9			- - -	- - -
10			<del>-</del> - -	- -
12			_ _ _	

Tes	st Pit I	Log for:	ГР-17	7	Notes:		N
Proj	ect:	Raytheon-Wayland	Ph II	Project Number: 143.45		_ <del> </del>	
Clier	nt:	Raytheon		Logged by: Joe Fiacco		TP-15	TP-16
Cont	tractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	TP-17	TP-14	⊞ TP-13
Date	Started:	11-May-98		Date Finished: 11-May-98		Fmr W/W	
Loca	tio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe		Plant	Building 2
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Com	ments/Observ	ations
		Fill		0' - 4': Brown, medium to coarse SAND FILL			_
1							
							_
_ 2 _				_			_
							_
3 _				_			_
- , -							_
_ 4 _		Fine to medium	0.0	Groundwater @ ~ 4 feet (no odor; no sheen)  4' - 6': Black, fine to medium SAND, trace organics -			
<b>-</b> - 5		Sand	0.0	APPARENT BURIED SOIL HORIZON			_
_ ` _		Sund					_
6							=
		Fine Sand		6' - >7': Brown, fine SAND, some medium sand,			
7				bedded - STRATIFIED DRIFT			_
				_			_
8 _							_
				_			_
_ 9 _				<del> </del>			_
10							_
10				-			_
11				_			_
							_
12							_

Te	st Pit I	Log for:	ГР-18	3	Notes: N
Proj	ect:	Raytheon-Wayland	Ph II	Project Number: 143.45	
Clie	nt:	Raytheon		Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Con	tractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	
Date	Starte <u>d:</u>	11-May-98		Date Finished: 11-May-98	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
Loca	ntio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Parking Lot
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Fill		0' - 6': Brown, fine to coarse SAND FILL	
1					
				_	
_ 2 _					_
				_	_
_ 3 _					-
<u> </u>				_	-
_ 4 _				_	-
-				_	-
- 5 -				_	-
					-
- 6 -		Till	0.0	Groundwater @ ~ 6 feet (no odor; no sheen)	_
- , -		1 111	0.0	6' - >8': Grey, fine SAND and SILT, some coarse sand - TILL	<del> </del>
<b>-</b> ' -				Salid - TILL	1
- 8				_	1
° -				<b>_</b>	7
9					
10					
11					
12					
<u> </u>					

	0	TP-19		Notes: N
Project:	Raytheon-Wayland	d Ph II	Project Number: 143.45	
Client:	Raytheon		Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Contractor:	Geosearch, Inc.		Operator: Tom Belsky	
Date Started:	12-May-98		Date Finished: 12-May-98	TP-20 TP-19 TP-18
Location:	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Parking Lot
Depth Sample II	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
	Fill		0' - 6': Brown, medium to coarse SAND,	
1			some fine to medium gravel FILL	_
			_	
2				_
				_
3 _			_	_
			_	_
- 4 -			_	_
				_
_ 5 _			_	-
6				_
_ ]	Fine Sand	0.0	6' - >8': Brown-grey, fine SAND, some silt, bedded -	
7			STRATIFIED DRIFT	_
			No Groundwater Observed	_
- 8 -			_	, <u>-</u>
			_	_
- 9 -			<del>-</del>	-
			_	-
_ 10 _			<del>_</del>	-
 11			<del>-</del>	-
				-
12				_
_ ]				_

		0	TP-20		Notes:
Projec	et:	Raytheon-Wayland	l Ph II	Project Number: 143.45	
Client	:	Raytheon		Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Contra	actor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	
Date S	starte <u>d:</u>	12-May-98		Date Finished: 12-May-98	TP-20 TP-19 TP-18
Locati	o <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Parking Lot
					T diving 25t
Depth S	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Topsoil		0' - 1': Dark brown, fine to medium SAND and	_
1				ORGANICS - TOPSOIL	
		Coarse Sand &		1' - 3': Brown, coarse SAND and fine GRAVEL	_
2		Fine Gravel		_	_
				_	_
3				Groundwater @ ~3 feet (no odor; no sheen)	_
		Fine Sand & Silt	0.0	3' - >7': Brown, fine SAND and SILT, bedded -	_
4				STRATIFIED DRIFT	_
				_	_
5				_	_
				_	_
6				_	_
				_	_
7 _				<u> </u>	_
				_	<u>-</u>
- 8 -				_	_
				_	_
- 9 -				_	_
				_	<del>-</del>
10				_	<del>-</del>
				_	_
_ 11 _				_	_
-				_	-
_ 12 _				_	-
				<u>_</u>	_

Te		8	TP-21		Notes:
Proj	ect:	Raytheon-Wayland	l Ph II	Project Number: 143.45	
Clie	nt:	Raytheon		Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Cont	tractor <u>:</u>	Geosearch, Inc.		Operator: Tom Belsky	
Date	Starte <u>d:</u>	12-May-98		Date Finished: 12-May-98	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
Loca	itio <u>n:</u>	Wayland, Massach	usetts	Test Pit Method: John Deere 710D Backhoe	Parking Lot
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Topsoil		0' - 2': Dark brown, fine SAND and ORGANICS -	
1				TOPSOIL	
2				_	
		Medium to		2' - 6': Brown, medium to coarse SAND	
3		Coarse Sand		_	
				Groundwater @ ~3 feet (no odor; no sheen)	
4					
5					
6					
		Fine Sand &	0.0	6' - >8': Brown, fine SAND and SILT, bedded	_
7		Silt		_	
8					
9					
10					
11					
12					
				_	

	st Pit I	Notes:			
Project:		Raytheon-Wayland	d Ph II	Project Number: 143.45	
Client:		Raytheon		Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Contractor:		Geosearch, Inc.		Operator: Tom Belsky	
Date Started:		12-May-98		Date Finished: 12-May-98	TP-20 TP-19 TP-18
Location: Wayland, Massachusetts			nusetts	Test Pit Method: John Deere 710D Backhoe	Parking Lot
			DVD		
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Topsoil		0' - 1': Dark brown, fine SAND and ORGANICS -	_
_ 1 _		Malianta		TOPSOIL	-
- <sub>2</sub>		Medium to  Coarse Sand		1' - 3': Brown, medium to coarse SAND	-
		Course Sund			-
3				Groundwater @ ~5 feet (no odor; no sheen)	
		Coarse Sand &	0.0	3' - >6': Brown, coarse SAND and fine GRAVEL,	_
4 _		Fine Gravel		bedded - STRATIFIED DRIFT	_
<b>-</b> - 5				<u> </u>	-
_				_	-
6					_
				_	_
7				_	_
- <sub>8</sub>				<del>_</del>	-
<b>-</b> ~ <b>-</b>					-
9				_	_
				<u> </u>	_
10				_	-
11				_	-
- * * -					-
12				<del>-</del> -	_
					_

Te	st Pit I	Notes: N			
Project: Raytheon-Wayland Ph II				Project Number: 143.45	
Client: Raytheon				Logged by: Joe Fiacco	TP-24 TP-22 TP-23 TP-21
Contractor: Geosearch, Inc.				Operator: Tom Belsky	
Date Started: 12-May-98				Date Finished: 12-May-98	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
Location: Wayland, Massachusetts				Test Pit Method: John Deere 710D Backhoe	Parking Lot
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil Description/Classification	Comments/Observations
		Topsoil		0' - 2': Dark brown, fine SAND and ORGANICS -	
1				TOPSOIL	
2					_
L _		Fine to Coarse	0.0	2' - >7': Brown, fine to coarse SAND, trace silt,	
3 _		Sand		bedded - STRATIFIED DRIFT	_
<u> </u>				Groundwater @ ~6 feet (no odor; no sheen)	_
4 _					_
┡ -				_	_
_ 5 _					<del> </del>
┡ -					<del>-</del>
<b>-</b> 6 <b>-</b>				_	-
<u> </u>				_	_
<b>-</b> 7 -				_	-
<b>-</b>				_	_
- <sup>8</sup>				_	-
<b>-</b>					-
<sup>9</sup>				_	-
- 10				_	_
- 10				<del> </del>	-
- 11				<del> </del>	
<b>-</b> '' -	-			<del> -</del>	-
12				<del>-</del>	-
<b> </b>				<del>-</del>	-
<u> </u>				<b>–</b>	

Test Pit Log for: TP-24						Notes:	ÎN
Project:		Raytheon-Wayland Ph II		Project Number:	143.45		<del></del>
Client:		Raytheon		Logged by:	Joe Fiacco	TP-24 TP-23	TP-22 TP-21
Contractor:		Geosearch, Inc.		Operator:	Tom Belsky		
Date Started:		12-May-98		Date Finished:	12-May-98	TP-20	TP-19 TP-18
Location:		Wayland, Massachusetts		Test Pit Method:	John Deere 710D Backhoe		Parking Lot
Depth	Sample ID	Stratigraphy	PID (ppm)	Rock and Soil	Description/Classification	Comm	ents/Observations
		Topsoil		0' - 2' Dark brown fine	e SAND and ORGANICS -		
 1		Торзон		TOPSOIL	of the state of th		_
				_			_
2				_			_
		Coarse Sand &		2' - 5': Brown, coarse S.	AND and fine GRAVEL		_
3		Fine Gravel					<del>-</del>
_				_			_
4				_			<del>-</del>
				_			<del>-</del>
5				_			_
		Medium Sand	0.0	5' - >7': Brown, medium	m SAND, bedded - STRATIFIED		_
6				DRIFT			_
				Groundwater @ ~6 feet	t (no odor; no sheen)		_
7							_
				_			_
8				_			_
				_			_
9				_			_
				_			_
10				_			_
				_			_
11				_			_
				_			_
12				_			_
				_			_