BO	RII	١G	LOG	for Bo	ring #	‡: B-211		ylston Street, 6th Floor n, MA 02116	SITE MAP		
Project:			theon-Wayla			Project Number:	143.69		T T		· · · · · · · · · · · ·
Client:		_	theon			Logged by:	Matt Daly		l N		MW-212 MW-210 B-211
Drilling	Co:	Ken	nedy Drilling	g		Driller:	Steve Law		· .		в
Date Sta		_	un-02	<u> </u>		Date Finished:	22-Jun-02		·:		
Location			land, MA			Drilling Method:	Geoprobe		MW-213 ⊕		
Screen I		1"			Length:	10'	Slot Size:	0.010"	MW-21	Exist	ing Building
Casing I		1"			Length:	10'	Type:	PVC	⊕ ¦.		.:.:.
Boring I		_			Well Dept		Boring Diam.:	3"	Ŀ		
Surface			.3'		MP:		Depth to GW:		Notes:		
					MP Elev.:						
Depth	Well	Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon	Description/Soil	Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -						_					_
2 -	4					_					_
1											_
- 3 -						_					_
4						_					_
7 7											
- 5 -						_					_
- 6 -											_
- 0 -						0.24 D1 : 1 /	1	. 10 1 1 1			
- 7 -			CAND		1.011			orted Sand and gravel	S-1	0.0	_
8 -			SAND		18"			ND, moist, poorly	6'-9'	0.0	_
- 0 -						sorted, little Grave	el				
9 -		-				0-24". Orange/brown	coarse SAND mo	oderate sorting, coarse			_
- 10 -						(1") lens at 3", moist		derate sorting, course	G 2		_
- 10 -			SAND		36"	24"-26": Orange/brov		sorted, moist, some	S-2	0.0	
- 11 -					ŀ	orange staining	ŕ	, ,	9'-12'		_
- 12 -						26"-36": Brownish/gr	ray to dark gray po	orly sorted Sand and			
12						0-12": Brownish gray	y poorly sorted San	d and Gravel, some			
- 13 -						angular pebbles/grave		,			_
1.4			SAND		36"	12"-30": Coarse grain	n SAND, grayish b	lack, interfingeredw/ light	S-3	230	
- 14 -			SAND		30	brown Silty Clay, ver			12'-15'	230	
- 15 -							d, black Sand, well	sorted, very moist, strong			_
16						petroleum odor					
- 16 -										·	
- 17 -						-					_
18						* Drilling stop					
- 18 -						identified by d	riller as no. 6 o	oil			
- 19 -						–					_
- 20 -											
20											
- 21 -						_					_
22						<u></u>					
- 22 -											_
- 23 -						_					_
24						<u></u>					
- 24 -						_					
25	l	ı									_









BOR	IN(G LOC	G for E	Boring #	B-243		M Boylst on Street, 6th Floor on, MA 02116	SITE M.	AP	Ņ
Project:	Ray	ytheon-Wayla	and		Project Number:	143.70		D 2	4.1	I
Client:	Ray	ytheon			Logged by:	Michael Horesh		⊕ B-24	⊕ (⊕
Drilling Co:		osearch, Inc.			Driller:	Steve Law		⊕ ⊕)	
Date Started		•			Date Finished:	9-Sep-02				⊕ ⊕
Location:		ıyland, MA			Drilling Method:	Geoprobe		B-248 H	3-247 _B 246	Ф ф ф
Screen Dian		NA		Length:	NA	Slot Size:	NA		Б-240 В	⊕ ⊕ ⊕ ⊕ -243 B-244 B
Casing Dian		NA		Length:	NA	Type:	NA			
Boring Dept		15'		Well Depth:		Boring Diam.:	3"			
urface Elev		107.51		MP:	Ground Surface	Depth to GW:	10.4'	Notes:		
Juliace Elev	v.:	127.5'				Depth to GW.	10.4			
THE STATE OF THE S	v.:	127.5		MP Elev.:	127.5'	Depin to G W.	10.4			
<u> </u>	l Log	Stratigraphy	Penetration		127.5'	on Description/So		Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample Analyse
<u> </u>			Penetration	MP Elev.:	127.5'			Sample #	(ppm)	
epth Well			Penetration	MP Elev.:	Split Spoo	on Description/So		Sample # & Depth	(ppm)	
epth Well		Stratigraphy	Penetration	MP Elev.:	Split Spoo	on Description/So	il Classification	Sample # & Depth	(ppm) spoon/HS	
T			Penetration	MP Elev.:	Split Spoo 0-26": Very dar 26"-46": Orange	on Description/So k brown, well sorted i	il Classification ted medium SAND; dry.	Sample # & Depth	(ppm) spoon/HS	

Deptn	Well Log	Stratigraphy	Penetration	Recovery	Spilt Spoon Description/Soil Classification	& Depth	spoon/HS	Analyses
- 1 -								
2					0-26": Very dark brown, well sorted medium SAND; dry.		0.0	
3					26"-46": Orange-tan, well sorted medium SAND; dry.		0.0	
4 -		SILT AND CLAY	180"	141"	46"-111": Brown-gray, well sorted, dense SILT and CLAY, dry.		0.0	-
- 5 - 6 -		CLAT			111"-125": Orange to orange-brown, well sorted, medium SAND, dry.		0.0	_
7 -					125"-141": Gray to brown/gray well sorted SILT and CLA		0.0	_
- 8 -					_			
- 10 -					<u> </u>			-
- 11 -					_			-
- 12 - - 13 -								
- 14 -					_			_
- 15 -					D 151			_
- 16 -	.				Bottom of Boring at 15' bgs.			_
- 17 -					-			-
- 18 -					-			-
– 19 –					-			_
- 20 -					-			_
- 21 -					-			_
- 22 -					 -			_
– 23 –					 -			_
– 24 –					 -			_
25	<u> </u>				_			_

BORI	NG LOG for	Boring #	# B-244		oylston Street, 6th Floor n, MA 021 16	SITE MAP	
Project:	Raytheon-Wayland		Project Number:	143.70		D 444	1
Client:	Raytheon		Logged by:	Michael Horesh		⊕ B-241 ⊕ ⊕	_
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law			0
Date Started:	9-Sep-02	Date Finished:	9-Sep-02			Э — 4	
Location:	Wayland, MA		Drilling Method:	Geoprobe		B-248 D 247 D A	γ (θ
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-248 B-247 B-246 B-243 B	₽ B-244 B-24
Casing Diam:	NA	Length:	NA	Type:	NA		
Boring Depth	15'	Well Depth:	NA	Boring Diam.:	3"		
Surface Elev.:	127.8'	MP:	Ground Surface	Depth to GW:	6.8'	Notes:	
		MP Elev.:	127.5'				

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
_ 1 _								
2 -		SILT			0-24": Brown to very dark brown well sorted, medium SAND, dry.	0-24"	0.0	_
3 -		AND	180"	135"	24"-47": Orange-tan, well sorted medium SAND, dry.	24"-27"	0.0	
- 4 - 5 -		CLAY			47"-82": Gray-brown/gray well sorted SILT, trace Clay, little fine Sand, dry.	47"-82"	0.0	_
- 6 -	i I				82"-135": Brown-orange/brown Silty CLAY; saturated.	82"-135"	0.0	
- / -								
10								
- 11 -								_
- 12 -								_
- 13 -								_
- 14 -	.							_
- 15 -								_
- 16 -	,				Bottom of Boring at 15' bgs.			_
- 17 -								_
- 18 -								-
- 19 -								-
- 20 -								-
– 21 –								_
- 22 -								_
– 23 –								-
= 24 =								-
25								_

BORI	NG LOG for	Boring #	B-245		M Poylston Street, 6th Floor on, MA 02116	SITE MAP	Ņ
Project:	Raytheon-Wayland		Project Number:	143.70		D 241	1
Client:	Raytheon		Logged by:	Michael Horesh		⊕ B-241 ⊕ ⊕	•
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law			\oplus
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		Φ Λ	Ф 4
Location:	Wayland, MA		Drilling Method:	Geoprobe		$B-248 \xrightarrow{\oplus}_{B-247} \xrightarrow{\oplus} \xrightarrow{\oplus} \xrightarrow{\Phi} \xrightarrow{\Phi}$	~ 4
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-248	.244 B-24
Casing Diam:	NA	Length:	NA	Type:	NA		
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"		
Surface Elev.:	128.2'	MP:	Ground Surface	Depth to GW:	9.3'	Notes:	
		MP Elev.:	128.2'				

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -					0-21": Brown to dark brown to tan, well sorted, medeium to coarse SAND, dry.		0.0	-
- 3 - 4 - 5 -		SAND	180"	134"	21"-44": Light brown to orange/brown well sorted medium SAND, dry.		0.0]
6 -					44"-112": Brown/gray-orange/brown, well sorted SILT and fine SAND, dry.		5.0]
- 8 -					112"-134": Brown-gray well sorted SILT and CLAY, saturated.		5.4]
- 10 -								
- 12 -	.							
- 14 - 15 -								
- 16 - - 17 -					Bottom of Boring at 15' bgs.			
- 18 - - 19 -								
- 20 - - 21 -								
22 - 23 -								
24 = 25 =								

BORI	NG LOG for	Boring #:	B-246		o ylst on Street, 6th Floor on, MA 02116	SITE MAP	↑ Ņ
Project:	Raytheon-Wayland		Project Number:	143.70			ı
Client:	Raytheon		Logged by:	Michael Horesh		⊕ B-241 ⊕ ⊕	_
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law			\oplus
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		Ψ Φ	Ф 4
Location:	Wayland, MA		Drilling Method:	Geoprobe		B-248 B-247 B-246 B-243 B-	
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-247 B-246 B-243 B-	⊕ 244 B-245
Casing Diam:	NA	Length:	NA	Type:	NA		
Boring Depth	: 15'	Well Depth:	NA	Boring Diam.:	3"		
Surface Elev.:	127.3'	MP:	Ground Surface	Depth to GW:	10.5'	Notes:	
		MP Elev.:	127.3'				

Depth	We	ell Log	g	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -							0-23": Brown to dark brown well-sorted medium SAND,		0.0	1 1
- 3 -							dry. 23"-44": Orange/tan-tan, well sorted, medium to coarse SAND, dry.		0.0	_
- 5 - - 6 -				SAND	180"	136"	44"-119": Brown to gray brown, well sorted medium to coarse SAND, dry.		0.0	_
- 7 -							119"-126": Orange/brown-dark brown well sorted medium SAND, trace Gravel; dry.		0.0	-
- 9 - - 10 -							126"-136": Brown/gray-gray well sorted SILT and CLAY, saturated.		0.0	=
- 12 -										
- 14 - 15 -										_
- 16 - 17 -							Bottom of Boring at 15' bgs.			_
- 18 - 19 -										_
- 20 - 21 -										
- 22 - 23 -										
24 25 25										_

	NG LOG for	Boring #		21111	on, MA 021 16	41	Ņ
Project:	Raytheon-Wayland		Project Number:	143.70		D 241	,
Client:	Raytheon		Logged by:	Michael Horesh		⊕ B-241 ⊕ ⊕	•
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		$\oplus \oplus $	\oplus
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		Ψ Φ	⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		B-248 B-247 B-246 B-243 B-	Δ 4
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-247 B-246 B-243 B-	⊕ 244 B-245
Casing Diam:	NA	Length:	NA	Type:	NA	11	
Boring Depth	: 15'	Well Depth:	NA	Boring Diam.:	3"	11	
Surface Elev.:	127.3'	MP:	Ground Surface	Depth to GW:	8.3'	Notes:	
		MP Elev.:	127.3'			71	

Depth	W	ell Lo	og	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -							0-20": Brown-dark brown, well sorted medium SAND, dry (root fibers at top of section).		0.0	-
- 2 - 3 -							20"-45": Orange/brown-brown, well sorted medium SAND, dry.		0.0	7
- 4 - 5 -				SILT	180"	137"	45"-91": Brown/gray, well sorted SILT, little Clay, some fine Sand, dry.		0.0	7
- 6 -							91"-100": Brown/gray-brown/orange, well sorted SILT and CLAY, some well sorted medium SAND, wet.		0.0	=
8 - 9 -							100"-137": Brown/gray-gray, well sorted SILT and CLAY, minor amounts of orange staining, saturated.		0.0	
- 10 -										
- 12 - - 13 -										
- 14 - 15 -										
- 16 -							Bottom of Boring at 15' bgs.			_
- 18 -										_
- 20 - 21 -										
- 22 -										-
- 23 - 24 -										
= 25 =	l									_

BORI	NG LOG for	Boring #:	B-248		bylston Street, 6th Floor on, MA 02116	SITE MAP	Ņ
Project:	Raytheon-Wayland		Project Number:	143.70		1	ı
Client:	Raytheon		Logged by:	Michael Horesh		⊕ B-241 ⊕ ⊕	_
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law			\oplus
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		\oplus \oplus \oplus	⊕ 4
Location:	Wayland, MA		Drilling Method:	Geoprobe		$B-248 \xrightarrow{\Phi} \xrightarrow{\Phi} \xrightarrow{\Phi} \xrightarrow{\Phi}$	Φ 4
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-248	.244 B-245
Casing Diam:	NA	Length:	NA	Type:	NA	1	
Boring Depth:	15'	Well Depth:	NA	Boring Diam.:	3"	1	
Surface Elev.:	127.7'	MP:	Ground Surface	Depth to GW:	8.2'	Notes:	
		MP Elev.:	127.7'			1	

Depth	We	ll Log	Strat	igraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -							0-21": Brown-dark brown well sorted medium SAND, dry.		33.8	_
3			G	m m	1000		21"-45": Orange/brown-light brown, well sorted medium SAND, dry.		27.4	=
- 4 - 5 -			51	ILT	180"	132"	45"-98": Gray, well sorted SILT, some fine Sand, orange staining at top of interval.		32.8	
- 6 -							98"-132": Brown-gray/brown, well sorted SILT, some Clay, some orange horizontal staining, wet.		39.1	
- 8 -										=
- 10 -										_
- 12 - 13 -										_
- 14 -										_
- 16 -							Bottom of Boring at 15' bgs.			
- 18 -										_
- 20 -										
- 21 - 22 -										
23 - 24 -										
25										_

BORI	NG LOG for	Boring #:	B-249		M Boylston Street, 6th Floor on, MA 02116	* 72
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		Ф B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ B-253
Location:	Wayland, MA		Drilling Method:	Geoprobe		$\bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B$
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	1
Surface Elev.:	128.0	MP:	Ground Surface	Depth to GW:	8.8'	Notes:
		MP Elev.:	128.0][

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -					0-20": Light brown to dark brown medium SAND, little Gravel, little Cobbles, dry.		0.0	_
- 2 - 3 -		CH T	100"	1264	20"-44": Light orange/brown, well sorted, medium SAND, some fine Sand, dry.		6.9	1
- 4 - - 5 -		SILT	180"	136"	44"-104": Brown-gray well sorted SILT, little fine Sand, trace Clay.		12.2	
- 6 -					104"-136": Brown/gray well SILT, some Clay, orange staining throughout section.		35.9	
- 8 -								
- 10 - - 11 -								
- 12 - - 13 -								
- 14 - - 15 -					D. (CD : 4151)			
- 16 - 17 -					Bottom of Boring at 15' bgs.			
- 18 -								
- 20 - 21 -								
- 22 - - 23 -								
= 24 = = 25 =								

BORI	NG LOG for	Boring #:	B-250		M Boylston Street, 6th Floor on, MA 02116	* 7.
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		Ф B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ B-253
Location:	Wayland, MA		Drilling Method:	Geoprobe		$ \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{$
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	1
Surface Elev.:	128.3'	MP:	Ground Surface	Depth to GW:	9.5'	Notes:
		MP Elev.:	128.3'][

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -					0-16": Brown to dark brown medium SAND, some Cobbles, poorly sorted, dry, root fibers at top of section		0.0	
- 3 -		SILT	180"	136"	16"-38": Orange/brown well sorted medium SAND, dry.		0.0	_
- 5 -		SIET	100	150	38"-114": Gray/brown-gray, well sorted SILT, little Clay, orange staining throughout, some fine Sand, some horizontal bedding.		0.0	_
- 7 -					114"-136": Gray/brown SILT, little Clay, trace fine Sand, wet.		0.0	_
- 9 -								_
- 11 - 12 -								_
- 13 - 14 -								_
- 15 - 16 -					Bottom of Boring at 15' bgs.			
- 17 - 18 -								
- 19 - 20 -								
- 21 - 22 -								
- 23 - 24 -								
- 25 -								_

BORI	NG LOG for	Boring #:	B-251		M Boylston Street, 6th Floor con, MA 02116	* ½
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		\oplus B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ B-253 ⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ В-250 В-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.	127.9'	MP:	Ground Surface	Depth to GW:	8.6'	Notes:
		MP Elev.:	127.9'			

Depth	Well Lo	g	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -						0-14": Dark brown to brown, poorly to moderately sorted, medium SAND, some Gravel, little coarse Sand, dry.		0.0	-
- 3 -			SILT	180"	134"	14"-51": Brown-orange/brown well sorted, medium SAND, dry.		0.0	
- 4 - 5 -			SIL1	180"	134"	51"-103": Brown/gray well sorted SILT, trace Clay, dry.		0.0	
- 6 -						103"-134": Brown/gray well sorted SILTand CLAY, some heavy-orange staining, wet.		0.0	
- 8 - - 9 -									1
- 10 -									
- 12 - - 13 -									
- 14 - - 15 -						Bottom of Boring at 15' bgs.			
- 16 - 17 -									
- 18 - 19 -									
- 20 - 21 -									
- 22 - - 23 -									
- 24 - 25 -									

BORI	NG LOG for	Boring #:	B-252		M Boylston Street, 6th Floor on, MA 021 16	↑
Project:	Raytheon-Wayland		Project Number:	143.70		'
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P. 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		⊕ B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ ⊕ ⊕ ⊕ ⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		$\bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B$
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.:	127.3'	MP:	Ground Surface	Depth to GW:	NR	Notes:
		MP Elev.:	127.3'			

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -					0-20": Brown to orange/brown medium SAND, well sorted, dry.		0.0	_
3 -					20"-50": Brow to orange/brown medium SAND, well sorted, dry.		0.0	
- 5 -		SILT	180"	137"	50"-82": Brown/gray-gray SILT, some Clay, well sorted, wet coarse Sand lens at 78".		0.0	
- 7 - - 8 -					82"-125": Brown/gray fine SILT, some Clay, intermittent Sand lenses (~2").		0.0	
9 - 10 -					125"-137": Gray SILT and CLAY, some orange horizontal staining and bedding of Clay.		0.0	
- 11 - - 12 -								_
- 13 -								_
- 15 -					Bottom of Boring at 15' bgs.			_
- 17 -								_
- 19 -								_
- 21 - - 22 -								
- 23 -								
- 24 - 25 -								

BORI	NG LOG for	Boring #:	B-253		M Boylston Street, 6th Floor on, MA 021 16	Ņ
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 B 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		⊕ B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ ⊕ ⊕ ⊕ ⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		\bigoplus B-252 \bigoplus \bigoplus \bigoplus
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.:	127.9'	MP:	Ground Surface	Depth to GW:	8.2'	Notes:
		MP Elev.:	127.9'			

Depth	Well L	og	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -						0-26": Brown to dark brown, medium SAND, well sorted, dry.		26.6	-
3 -						26"-52": Light brown to orange/brown well sorted, medium SAND, dry.		0.0	
- 5 -			SAND	180"	142"	52"-77": Brown-gray brown, fine SAND and SILT, well sorted, wet.		0.0	
- 6 - - 7 -			SAND	180**	142"	77"-98": Orange/brown coarse to medium SAND, little Clay, some Silt, wet.		0.0	
- 8 - - 9 -						98"110": Brown-orange/brown fine SAND and SILT, trace Clay, little Gravel, saturated.		0.0	=
- 10 - - 11 -						110"-142": Brown/gray, well sorted SILT and some Clay, fine Sand at base of interval.		0.0	=
- 12 - - 13 -		•							
- 14 - 15 -						Bottom of Boring at 15' bgs.			
- 16 - - 17 -						Bottom of Borning at 15 egs.			
- 18 - 19 -									_
- 20 - 21 -									-
- 22 - 23 -									-
- 24 - 25 -									_

BORI	NG LOG for	Boring #:	B-254		M Boylston Street, 6th Floor on, MA 02116	Å,
Project:	Raytheon-Wayland		Project Number:	143.70		11
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		\oplus B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ B-253 ⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth	: 15'	Well Depth:	NA	Boring Diam.:	3"	71
Surface Elev.:	: 127.5'	MP:	Ground Surface	Depth to GW:	5.3'	Notes:
		MP Elev.:	127.5'	<u> </u>		11

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -					0-21": Brown-dark brown, well sorted medium SAND, trace Gravel, dry.		0.0	_
- 3 -					21"-45":Orange/brown, well sorted medium SAND, dry.		0.0	
- 5 -		SAND	180"	112"	45"-64": Brown-orange/brown, well sorted fine SAND and SILT, some orange staining, dry.		23.2	
- 7 - - 8 -					64"-88": Brown-gray/brown, fine to coarse SAND, little Silt, well sorted, wet.		0.0	
- 9 -					88"-112": Brown/gray well sorted SILT, some Clay, some orange staining, wet.		0.0	
- 11 -								
- 13 -								_
- 15 -					Bottom of Boring at 15' bgs.			_
- 17 -								
- 19 - 20 -								
- 21 - 22 -								
- 23 - 24 -								
- 25 -								_

BORI	NG LOG for	Boring #:	B-255		M Soylston Street, 6th Floor on, MA 02116	↑
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 P 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		Ф B-255 B-256
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ B-253
Location:	Wayland, MA		Drilling Method:	Geoprobe		$\bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B-251} \bigoplus_{B-252} \bigoplus_{B$
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	1
Surface Elev.:	127.9'	MP:	Ground Surface	Depth to GW:	7.8'	Notes:
		MP Elev.:	127.9'][

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -					0-22": Light brown to dark brown, well sorted medium SAND, little Gravel, dry.		0.0	-
3 -					22"-45": Very dark brown to orange/brown, well sorted medium SAND, dry.		0.0	
5 -		SAND	180"	126"	45"-81": Gray to orange/brown fine SAND and SILT, trace Gravel, 4" coarse Sand lens at base of interval, dry.		0.0	
- 6 - - 7 - - 8 -		SAND	100	120	81"-93": Gray/brown, well sorted SILT, some Clay, dry.		0.0	
- 9 -					93"-109": Medium brown, poorly sorted, coarse to fine SAND and SILT, little Cobbles, trace Clay, wet.		0.0	
- 11 - - 12 -					109"-141": Gray/brown-gray SILT and CLAY, wet.		0.0	
- 13 -								_
- 15 -					Bottom of Boring at 15' bgs.			_
- 17 -								_
- 19 - - 20 -								
- 21 -								-
- 22 - - 23 -								
24 - 25 -								

BORI	NG LOG for	Boring #:	B-256		M Boylston Street, 6th Floor on, MA 021 16	↑
Project:	Raytheon-Wayland		Project Number:	143.70]
Client:	Raytheon		Logged by:	Michael Horesh		B-254 B 255
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		$\bigoplus \qquad \bigoplus \qquad B-256$
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕ ⊕ ⊕ ⊕ ⊕ ⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		\bigoplus B-252 \bigoplus \bigoplus \bigoplus
Screen Diam:	NA	Length:	NA	Slot Size:	NA	⊕ ⊕ ⊕ B-250 B-249
Casing Diam:	NA	Length:	NA	Type:	NA	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.:	: 128.1'	MP:	Ground Surface	Depth to GW:	8.2'	Notes:
		MP Elev.:	128.1'			

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -					0-18": Brown to lightl brown, poorly sorted, medium SAND, some Gravel, little fine Sand, dry.		0.0	_
- 3 -		SAND	180"	126"	18"-42": Lightl brown, well sorted medium SAND, dry.		0.0	
- 5 -		STINE	100	120	42"-102": Brown to gray brown, SILT and CLAY, well sorted, dry; 4" of Sand and Gravel at base of interval, wet.		0.0	_
- 7 - - 8 -					102"-126": Gray/brown SILT and CLAY, wet, dense interval, 1" coarse Sand interbed.		0.0	_
9 - 10 -								_
- 11 - - 12 -								-
- 13 -								_
- 15 -					Bottom of Boring at 15' bgs.			
- 17 - 18 -								_
- 19 - 20 -								_
- 21 - 22 -								-
- 23 - 24 -								_
- 25 -								_

BORI	NG LOG for	Boring #:	B-257		M Boylston Street, 6th Floor on, MA 02116	↑
Project:	Raytheon-Wayland		Project Number:	143.70		1
Client:	Raytheon		Logged by:	Michael Horesh		B-257 B-258
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		Φ Ψ
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		⊕ ⊕ ⊕
Screen Diam:	NA	Length:	NA	Slot Size:	NA	₩ ₩ ₩
Casing Diam:	NA	Length:	NA	Type:	NA	⊕ ⊕ ⊕
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.:	127.9'	MP:	Ground Surface	Depth to GW:	6.5'	Notes:
		MP Elev.:	127.9'			

Depth	Well Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -					0-20": Brown to light brown, poorly sorted mediumSAND, some Gravel, trace Cobbles, dry.		0.0	-
- 3 -					20"-44": Orange/brown-brown, well sorted medium SAND, dry.		6.3	_
- 4 - 5 -		CAND	1001	1418	44"-78": Gray/brown, well sorted SILT, some fine Sand, little Clay, multiple orange-stained Sand interbeds.		14.4	
- 6 - - 7 -		SAND	180"	141"	78"-112": Light brown/gray SILT and CLAY, minor orange staining, wet.		7.7	
- 8 - - 9 -					112"-124": Brown, coarse SAND, some Cobbles, little Gravel, wet.		NA	=
- 10 -					124"-141": Brown/gray SILT, some Clay, some horizontal bedding, some orange staining, wet.		10.3	=
- 12 - - 13 -								
- 14 - 15 -					Bottom of Boring at 15' bgs.			
- 16 - 17 -								
- 18 - - 19 -								
- 20 - 21 -								
- 22 - - 23 -								
- 24 - 25 -								_

BORI	NG LOG for	Boring #:	B-258		M Boylston Street, 6th Floor on, MA 02116	↑
Project:	Raytheon-Wayland		Project Number:	143.70		1
Client:	Raytheon		Logged by:	Michael Horesh		B-257 B-258
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		Φ Ψ
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕
Location:	Wayland, MA		Drilling Method:	Geoprobe		⊕ ⊕ ⊕
Screen Diam:	NA	Length:	NA	Slot Size:	NA	₩ ₩ ₩
Casing Diam:	NA	Length:	NA	Type:	NA	⊕ ⊕ ⊕
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	
Surface Elev.:	127.9'	MP:	Ground Surface	Depth to GW:	8.1'	Notes:
		MP Elev.:	127.9'			

Depth	Well Lo)g	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -						0-18": Gray/brown-dark brown, moderately sorted, fine to medium SAND, trace Gravel, little Cobbles, dry.		NA	-
- 3 -			SAND	180"	141"	18"-42": Orange/brown-brown, well sorted, medium to fine SAND, dry.		0.0	-
- 4 - 5 -			SAND	180	141	42"-97": Brown/gray SILT, little fine Sand, trace Clay, dry; medium Sand lens (3") at base of layer.		5.2	-
- 6 -						97"-127": Brown/gray SILT, some Clay, some orange staining, wet.		13.0	-
- 8 - - 9 -									1
- 10 -									
- 12 - - 13 -									
- 14 - 15 -						Bottom of Boring at 15' bgs.			
- 16 - 17 -						Bottom of Borning at 15 egs.			
- 18 - 19 -									
- 20 - 21 -									
- 22 - - 23 -									
- 24 - 25 -									_

BORI	NG LOG for	Boring #:	B-259		M Boylston Street, 6th Floor on, MA 02116	B-260	Å N
Project:	Raytheon-Wayland		Project Number:	143.70		⊕ ●	⊕
Client:	Raytheon		Logged by:	Michael Horesh			Ψ
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		B-259	Φ ⊕
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		⊕	₩
Location:	Wayland, MA		Drilling Method:	Geoprobe		11	⊕ ⊕
Screen Diam:	NA	Length:	NA	Slot Size:	NA	11	Φ θ
Casing Diam:	NA	Length:	NA	Type:	NA	11	
Boring Depth:	: 15'	Well Depth:	NA	Boring Diam.:	3"	11	
Surface Elev.:	127.7'	MP:	Ground Surface	Depth to GW:	5.3'	Notes:	
		MP Elev.:	127.7'				

Depth	Well Lo	g	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -						0-26": Orange/brown to dark brown, medium to coarse SAND, well sorted, little Gravel, dry.		0.0	-
- 3 -			SAND	180"	158"	26"-63": Orange/brown to dark brown, well sorted, medium SAND, dry.		0.0	_
- 4 - 5 -			SAND	180"	138"	63"-131": Brown/gray-orange/gray SILT, little fine Sand, wet.		14.5	
- 6 -						131"-158": Brown/gray SILT, llittle fine Sand, some Clay, some orange staining, wet.		0.0	
- 8 - - 9 -									
- 10 -									_
- 12 - - 13 -									
- 14 - - 15 -						Bottom of Boring at 15' bgs.			
- 16 - 17 -						Bottom of Borning at 15 egs.			
- 18 - - 19 -									
- 20 - 21 -									
- 22 - 23 -									
- 24 - - 25 -									

BORI	NG LOG for	Boring #:	B-260		M Boylston Stræt, 6th Floor on, MA 021 16	B-260		Ņ
Project:	Raytheon-Wayland		Project Number:	143.70		⊕ ●		• ⊕
Client:	Raytheon		Logged by:	Michael Horesh]	`	Ψ
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		B-259 ⊕	\oplus	\oplus
Date Started:	10-Sep-02		Date Finished:	10-Sep-02		lacksquare		₩
Location:	Wayland, MA		Drilling Method:	Geoprobe		11	⊕	⊕
Screen Diam:	NA	Length:	NA	Slot Size:	NA	11	Ф	Ψ
Casing Diam:	NA	Length:	NA	Type:	NA	11 🔔		
Boring Depth:	20'	Well Depth:	NA	Boring Diam.:	3"	11		
Surface Elev.:	128.0'	MP:	Ground Surface	Depth to GW:	3.3'	Notes:		
		MP Elev.:	128.0'][

Depth	Well	Log	Stratigraphy	Penetration	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 -						0-30": Light brown to dark brown, well sorted, medium SAND, dry.			-
- 3 -						30"-40": Orange to orange/brown, well sorted, medium SAND, little Silt, trace Clay, dry.			
- 4 -						40"-80": Brown-gray/brown, well sorted SILT, little Clay, 6"-unit of coarse Sand at base of interval, wet.			
- 6 - - 7 -			SAND	240"	188"	80"-104": Brown, fine to medium SAND, wet.			
- 8 - - 9 -						104"-123": Brown, well sorted SILT, some Clay, some orange staining, wet.			=
- 10 -						123"-158": Brown-orange/brown medium to coarse SAND, wet.			=
- 12 - - 13 -						158"-188": Gray coarse SAND, some Silt and Clay, some banding of darker minerals, wet.			
- 14 - 15 -						Bottom of Boring at 15' bgs.			
- 16 - 17 -						Bottom of Borning at 15 egg.			_
- 18 - 19 -									_
- 20 - 21 -									
- 22 - - 23 -									-
- 24 - 25 -									_

BORI	NG LOG for	Boring #:	B-301		M Boylston Street, 6th Floor on, MA 02116		E MAP B-310 ⊕	⊕В-312	∱ N
Project:	Raytheon-Wayland		Project Number:	143.72		etlands	⊕ B-309	_	1
Client:	Raytheon		Logged by:	Michael Horesh			В-308 Ф	Ф в-311	
Drilling Co:	Geosearch, Inc.		Driller:	Rodney			⊕ MW-307	L	
Date Started:	19-Aug-02		Date Finished:	19-Aug-02			⊕ в-	-305 eu	
Location:	Wayland, MA		Drilling Method:	GeoProbe		71/	⊕ _{B-306}	Fer	
Screen Diam:	NA	Length:	NA	Slot Size:	NA	TI I\	⊕в-302 ⊕в	B-304	
Casing Diam:	NA	Length:	NA	Type:	NA		B-301	hain	
Boring Depth:	10'	Well Depth:	NA	Boring Diam.:	4"	$\Box II/^{\Psi_1}$	B-301 ⊕B-303	ū	
Surface Elev.:	NA	MP:	NA	Depth to GW:	6'				
		MP Elev.:	NA						
							PID Conc		

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 - 3 - 4 - 5 - 5 - 1		SAND		38"	Light brown coarse SAND, little Cobbles, some Asphalt (fill), dry.	S-1 0'-5'	0.0	
- 6 - - 7 - - 8 - - 9 -		SAND		28"	 Top 19": Light to dark brown medium to coarse SAND, some Pebbles, some Sand and Gravel, dry. Bottom 9": Dark gray to black fine SAND to Silt, little Clay, dense, wet. 	S-2 5'-10'	0.0	-
- 10					Bottom of Boring at 10' bgs.			

Location:	ed: 19-Aug-0 Wayland,	i, Inc.			Project Number: Logged by: Driller: Date Finished: Drilling Method:	143.72 Michael Horesh Rodney 19-Aug-02 GeoProbe		B-309	B-308⊕ B-307 ⊕ B-3	⊕ B-311 W Fence
Screen Dia Casing Dia Boring De Surface Eld	nm: NA oth: 10'			Length: Length: Well Depth MP: MP Elev.:	NA NA NA NA NA NA NA	Slot Size: Type: Boring Diam.: Depth to GW:	NA NA 4" 7'	⊕ B-301 ⊕ B-301	3-302 ⊕ E B-303	Chainlink Fence
epth We	ell Log Strati		counts per inches	Recovery	Split Spoor	n Description/So	oil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample Analyses
1 - 2 - 3 - 4 - 5	SA	ND		19"	_ ` ` ` `		SAND, little coarse root fibers at top of	S-1 0-5'	0.0	
5					Top 22": Light bi	own poorly sort	ed medium SAND &	S-2		

Bottom of Boring at 10' bgs.

12

15 16

18 = 19 = 20 = 21 = 22 = 23 = 24 = 24 = 18

	NG LO	G for B	oring		SITE M.	AP B-310 ⊕	⊕ B-312 ↑		
Project:	Raytheon-Wayl	and		Project Number: 143.72	Wetlands	Ө В-309	⊕ B-311		
Client:	Raytheon			Logged by: Michael Horesh	1 /	⊕ в-			
•	Geosearch, Inc.			Driller: Rodney	⊕ B-307 ······				
Date Started:				Date Finished: 19-Aug-02	/ ДВ	B-306 B-305 B-306 B-306 CP B-306 B-307 CP B-307			
Location:	Wayland, MA		т 4	Drilling Method: GeoProbe	(ık F		
Screen Diam:			Length:	NA Slot Size: NA	⊕ B	-302 ⊕B	-304 : <u>=</u> : <u>=</u>		
Casing Diam: Boring Depth:			Length: Well Depth	NA Type: NA NA Boring Diam.: 4"	⊕ B-301		Cha		
Surface Elev.:			MP:	NA Depth to GW: 8'	/ 🕀	B-303	•		
Surface Elev	. NA		MP Elev.:	NA Beput to Gw. 8					
			WII LIEV	IVA					
Depth Well I	Log Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample #		
- ,, en 1	508			1 1					
1				_					
				Light brown to light gray medium SAND, some fine Sand,	S-1				
2	CAND		30"	some Gravel, little Cobbles, root fibers at top of section,	0'-5'	0.0			
3	SAND		30	poorly sorted, dry.	02	0.0			
				poorly sorted, dry.					
4				_					
5									
				Top 22": Light brown medium SAND and GRAVEL,					
6				trace Cobbles, poorly sorted, dry.	G 4				
7	GAND 0			—	S-2				
	SAND & GRAVEL		47"	Bottom 25": Medium brown to gray coarse SAND and	5'-10'	0.0			
8	GRAVEL			GRAVEL, trace Cobbles, wet.					
9				=					
10				D (D 101)					
11				Bottom of Boring at 10' bgs.					
12 🗕				-					
3									
14				-					
15				<u>_</u>					
6				-					
17				_					
18				-					
19 🗕				<u>_</u>					
20				-					
21				<u></u>					
22				-					
23				<u>_</u>					
23									
24				 -					
	1	1							

roject: Raytheon-Wayland				Project Number: 143.72		⊕ B-309	_
Client: Raytheon				Logged by: Michael Horesh	Wetlands	B-308 ⊕	⊕ B-311
prilling Co: Geosearch, Inc.				Driller: Rodney		MW-307	
ate Started: 19-Aug-02 Wayland MA				Date Finished: 19-Aug-02) _	⊕ B-30	os 21
ocation:	Wayland, MA			Drilling Method: GeoProbe	(⊕в		k Fe
creen Diam:			Length:	NA Slot Size: NA	\ ⊕ B	B-302 ⊕ B-	Chainlink Fence
asing Diam: oring Depth			Length: Well Depth	NA Type: NA Boring Diam.: 4"	⊕B-301		Cha
urface Elev.:			MP:	NA Depth to GW: 7'	/ ⊕	B-303	
urrace Erev	INA		MP Elev.:	NA Beparto Gw. 7			
			WIT Elev	IVI			
pth Well I	Log Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample Analyse
4				–			
,				Light brown to light gray medium SAND, some fine Sand,	S-1		
² 🕇	SAND		30"	little Cobbles, root fibers at top of section, poorly sorted,	0'-5'	0.0	
3 🚽	SAND		30	dry.	0-3	0.0	
. <u> </u>							
· 1							
5				The same titled			
5				Top 22": Light brown medium SAND and GRAVEL,			
,				trace Cobbles, poorly sorted, dry.			
[′] 🕇	SAND		47"	Pottom 25": Modium brown to gray coorse SAND and	S-2	0.0	
3 🗕	SAND		4/	Bottom 25" : Medium brown to gray coarse SAND and GRAVEL, trace Cobbles, wet.	3-2	0.0	
, _				GRAVEL, trace Coopies, wet.	5'-10'		
7 7							
1				D CD 1011			
1 -				Bottom of Boring at 10' bgs.			
,							
2							
3				-			
1 🚽							
5 🗕				-			
6				_			
7				–			
8 🗕				 -			
9							
0 -				–			
1				_			
2				-			
				•			
3				_			
3 -				_			

	t: Ra	ytheon-Wayl	and		Project Number: 143.72	ar	⊕ B-309	
Projec Client		ytheon	una		Logged by: Michael Horesh	Wetlands		Ө В-311
	Orilling Co: Geosearch, Inc.				Driller: Rodney		B-308 (MW-307	
Date S	ate Started: 19-Aug-02				Date Finished: 19-Aug-02)	⊕ в-з	₀₅ 2
Locati	ocation: Wayland, MA				Drilling Method: GeoProbe	⊕ B	-306	r Fer
	creen Diam: NA Length:				NA Slot Size: NA	\ ⊕в	-302 ⊕B	-304 ji
	Diam:	NA		Length:	NA Type: NA	⊕B-301		Chainlink Fence
	Depth:	10'		Well Depth		/ ⊕	B-303	
Surrac	e Elev.:	NA		MP: MP Elev.:	NA Depth to GW: 8'			
				WII LICV	NA			
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample #
1 -								
2 -					Light brown medium SAND, some coarse Sand, root	S-1		
3 =		SAND		40"	fibers at top of section, poorly to moderately sorted, Dry.	0'-5'	0.0	
J =								
4 -					_			
5								
_					Top 30": Medium brown fine SAND and GRAVEL, little			
6					Cobbles, moderately sorted, dry.	S-2		
7 -					_			
8		SAND		43"	Bottom 13": Dark brown to dark gray coarse SAND, well	5'-10'	0.0	
					sorted, wet.			
9 -								
10								
11 -					Bottom of Boring at 10' bgs.			
10								
12 =								
13 -					_			
14 =					_			
15 -								
16 =					_			
17 -					_			
18 =								
19 🗕					-			
20 -					_			
21 =								
22 🗕					_			
23					_			
24 🗕		1						Ī

Client: Ra Drilling Co: Go Date Started: 19	nytheon-Way nytheon eosearch, Inc. 0-Aug-02	land	Soring	Project Number: 143.72 Logged by: Michael Horesh Driller: Rodney Date Finished: 19-Aug-02	SITE MAP B-316 B-309 B-308 B-308 B-305 B-305 B-305				
Location: W Screen Diam: Casing Diam: Boring Depth: Surface Elev.:	ayland, MA NA NA 10' NA		Length: Length: Well Depth MP: MP Elev.:	Drilling Method: GeoProbe NA Slot Size: NA NA Type: NA 1: NA Boring Diam.: 4" NA Depth to GW: 7.5'	⊕ B-305 ⊕ B-305 ⊕ B-304 ⊕ B-301 ⊕ B-303 ⊕ B-303				
Depth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # Analyses		
- 1 - - 2 - - 3 - - 4 -	SAND		40"	Top 12": Asphalt, some SAND, dry. Bottom 28": Tan to brown medium SAND, some gravel, little Cobbles, poorly to moderately sorted, dry.	S-1 0'-5'	0.0			
5 - 6 - 7 - 8 - 9 -	SAND		31"	Top 14": Brown medium SAND, some Gravel, moderately sorted, dry. Bottom 17": Brown/orange to gray medium to coarse SAND, little Gravel, wet.	S-2 5'-10'	0.0			
10 — 11 — 12 — 13 — 14 — 15 — 16 — 16 —				Bottom of Boring at 10' bgs.					
17 - 18 - 19 - 20 - 21 -				- - - -					
22 - 23 - 24 - 25 -				- -					

Depth Well Log Smallgraphy 6 inches Recovery Split Spoon Description/Soil Classification & Depth spoon/HS SAND SAND SAND SAND SAND SAND Some orange intervals, little Gravel, trace Cobbles, moderately sorted, wet. Bottom 29": Dark gray fine SAND and SILT, some black intervals, well sorted, wet. Bottom of Boring at 10' bgs. Bottom of Boring at 10' bgs.	Chainlink Fence	B-308	⊕ B-301	Project Number: 143.72 Logged by: Michael Horesh Driller: Rodney Date Finished: 19-Aug-02 Drilling Method: GeoProbe NA Slot Size: NA NA Type: NA	Length: Length: Well Depth MP: MP Elev.:	Casing Diam: NA Length: Boring Depth: 10' Well Depth: Surface Elev.: NA MP:				
SAND SAND 32" Light brown medium to coarse SAND, well sorted, dry. Top 17": Tan to brown coarse SAND, some orange intervals, little Gravel, trace Cobbles, moderately sorted, wet. S-2 Bottom 29": Dark gray fine SAND and SILT, some black intervals, well sorted, wet. Bottom of Boring at 10' bgs. Bottom of Boring at 10' bgs.	b Sample # Analyses	(ppm)		Split Spoon Description/Soil Classification	Recovery		Stratigraphy	Well Log	Depth	
Top 17": Tan to brown coarse SAND, some orange intervals, little Gravel, trace Cobbles, moderately sorted, wet. SAND SAND 46" Bottom 29": Dark gray fine SAND and SILT, some black intervals, well sorted, wet. Bottom of Boring at 10' bgs. Bottom of Boring at 10' bgs.	,	0.0		Light brown medium to coarse SAND, well sorted, dry.	32"		SAND			
Bottom of Boring at 10' bgs. Bottom		0.0		intervals, little Gravel, trace Cobbles, moderately sorted, wet. Bottom 29": Dark gray fine SAND and SILT, some black	46"		SAND		7 -	
18 - 19 -				Bottom of Boring at 10' bgs.					11 - 12 - 13 - 14 - 15 -	
20 - 21 - 22 - 23 - 23 - 24				- - - -					18 - 19 - 20 - 21 - 22 -	

Project: Raytheon-Wayland Client: Raytheon Drilling Co: Geosearch, Inc. Date Started: 19-Aug-02 Location: Wayland, MA Screen Diam: NA Length: Casing Diam: NA Length: Boring Depth: 10' Well Dep Surface Elev.: NA MP: MP Elev.:				Project Number: 143.72 Logged by: Michael Horesh Driller: Rodney Date Finished: 19-Aug-02 Drilling Method: GeoProbe NA Slot Size: NA NA Type: NA	B-310			
Depth Well	Log Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # Analyses	
1 - 2 - 3 - 4 -	SAND		41"	Top 10": leaves, root fibers, organic matter, dry. Bottom 31": Light brown fine SAND, some medium Sand, little Gravel, trace Silt, moderately sorted, dry.	S-1 0'-5'	0.0		
5 - 6 - 7 - 8 - 9 -	SAND & SILT		57"	Top 10": Light brown fine to medium SAND, some root fibers, trace Cobbles, dry. Center 29": Brown to orange medium SAND, some Gravel, some coarse Sand with orange striping, wet. Bottom 18": Gray fine SAND and SILT, well sorted, wet.	S-2 5'-10'	0.0		
11 - 12 - 13 - 14 - 15 - 16 - 17 -				Bottom of Boring at 10' bgs.				
18 - 19 - 20 - 21 - 22 - 23 - 24 -				- - - -				

Client: Ray Drilling Co: Ge Date Started: 19-	Wayland, MA NA Length: NA Length: Under the control of the cont			Project Number: 143.72 Logged by: Michael Horesh Driller: Rodney Date Finished: 19-Aug-02 Drilling Method: GeoProbe NA Slot Size: NA NA Type: NA NA Boring Diam.: 4" NA Depth to GW: 6.5'			⊕ B-309 ⊕ B-308 ⊕ MW-307 ⊕ B-306 ⊕ B-302 ⊕ B-304 ⊕ B-301 ⊕ B-303		
epth Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoo	on Description/So	il Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample #
1 - 2 - 3 - 4 -	SAND		30"	•		coarse SAND, little at top of section, dry.	S-1 0'-5'	0.0	
5 - 6 - 7 - 8 - 9 -	SAND		22"	Cobbles, modera	tely sorted, dry.	AND, some Gravel, little	S-2 5'-10'	0.0	
111 - 112 - 113 - 114 - 115 - 116 -				Bottom of Boring	g at 10' bgs.				

- 17 **-**

- 18 **- -** 19 **-**

- 20 -- 21 -- 22 -- 23 -

24

					EDM	SITE M	A D	
B(G LO	G for E	Boring	# B-311 ERM 399 Boylston Street, 6th Floor Boston, MA 02116 Project Number: 143.72	Wetlands	В-310 Ф	⊕B-312 N
Client		ytheon	ianu		Logged by: Michael Horesh	Vetla		⊕ B-311
		osearch, Inc.			Driller: Rodney		B-308 H	
	Started: 19-		•		Date Finished: 19-Aug-02) "	MW-307 ⊕ B-30	. 8
	ocation: Wayland, MA				Drilling Method: GeoProbe	/ ⊕ ı	3-306 T B-30	Chainlink Fence
	reen Diam: NA Length:				NA Slot Size: NA	١.	3-302 ⊕B-	304 H
	g Diam:	NA		Length:	NA Type: NA	_	3-302	lainl
	g Depth:	10'		Well Depth	**	⊕B-301	B-303	5
Surfa	ce Elev.:	NA		MP:	NA Depth to GW: 6'		D-303	
				MP Elev.:	NA			
Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -					-	S-1		_
- 2 -					Light gray to orange/brown fine to medium SAND, some	8-1		_
,		SAND		44"	Gravel, poorly sorted, dry.	0'-5'	0.0	
- 3 -					and the state of t			
- 4 -					-			_
- 5 -								_
					Top 8": Light brown medium SAND, some Gravel,			
- 6 -					poorly sorted, dry.	G 2		_
- 7 -					–	S-2		_
- 8 -		SAND		48"	Center 14": Brown to orange fine to coarse SAND, moderately sorted, wet.	5'-10'	0.0	_
- 9 -					Bot. 26": Dark gray coarse sand, little Gravel, trace Silt, wet.			_
- 10 -					Bottom of Boring at 10' bgs.			_
- 11 -								_
– 12 –					-			_
– 13 –					_			_
– 14 –					_			_
- 15 -								_
								_
- 16 -								_
- 17 -					-			_
- 18 -					 -			-
– 19 –					 -			-
- 20 -					_			_
- 21 -					_			_
- 22 -					_			_
- 23 -								_
					Γ			_
- 24 -					Γ			_
– 25 –								_

BC	RI	NG LO	G for E	oring #	# B-312	ERM 399 B ERM Bosto	oylston Street, 6th Floor n, MA 02116	SITE M.	AP _{B-310} ⊕	⊕B-312 ↑ N
Projec	ct:	Raytheon-Wayl	and		Project Number:	143.72		Wetlands	⊕ B-309	· I
Client	t:	Raytheon			Logged by:	Michael Horesh		<u>a</u> /	в-308 ⊕	Ө В-311
Drilli	ng Co:	Geosearch, Inc.			Driller:	Rodney		/	MW-307 I	
Date S	Started:	19-Aug-02			Date Finished:	19-Aug-02)	⊕ B-30	05 26
Locat	ion:	Wayland, MA			Drilling Method:	GeoProbe		/ ⊕	B-306	Chainlink Fence
Screen	n Diam:	NA		Length:	NA	Slot Size:	NA	\ _{⊕ 1}	3-302 ⊕в-	304
Casin	g Diam:	NA		Length:	NA	Type:	NA	⊕ _{B-301}		hain
Borin	g Depth:	10'		Well Depth:	NA	Boring Diam.:	4"		B-303	Ö
Surfac	ce Elev.:	NA		MP:	NA	Depth to GW:	6.5'			
				MP Elev.:	NA					
Depth	Well I	Log Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoo	on Description/Soi	il Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 -		SAND		36"	Light gray to bro Gravel, trace Col		um SAND, some lerately sorted, dry.	S-1 0-5'	0.0	- - -
3 - 4 - 5 -					_					

Bottom of Boring at 10' bgs.

- 22 **-** 23 **-**

BORI	NG LOG for	Boring #	B-316		bylston Street, 6th Floor on, MA 02116	SITE MAP
Project:	Raytheon-Wayland		Project Number:	143.72		⊕ B-316
Client:	Raytheon		Logged by:	Michael Horesh		
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		⊕ B-312
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		₩
Location:	Wayland, MA		Drilling Method:	Geoprobe		⊕ B-317
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-318
Casing Diam:	NA	Length:	NA	Type:	NA	71
Boring Depth:	: 10'	Well Depth:	NA	Boring Diam.:	4"	
Surface Elev.:	NA	MP:	NA	Depth to GW:	~7'	
		MP Elev.:	NA			
						PID Conc.

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 - 3 - 4 -		SAND		35"	0-5': Medium to light brown coarse SAND, some Gravel, poorly sorted, trace cobbles, Gravel at bottom of interval, dry.	S-1 0-5'	0.0	1 1 1
- 5 - 6 - 7 - 8 - 9 - 10		SAND		39"	 0-21": Medium brown-tan well sorted coarse SAND, dry. 21"-30": Gray to gray/brown well sorted fine Sand; 2.5" interval of light gray cobbles, dry. 30"-39": Brown to dark brown medium Sand, little coarse Sand, little Cobbles, little Gravel, saturated. 	S-2 5'-10'	0.0	-
- 10					Bottom of Boring at 10' bgs.			
24 - 25 -					_			<u> </u>

BORI	NG LOG for 1	Boring #	В-317		M Boylston Street, 6th Floor on, MA 02116	SITE MAP	
Project:	Raytheon-Wayland		Project Number:	143.72		Ф B-316	
Client:	Raytheon		Logged by:	Michael Horesh			
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		⊕ B-312	_
Date Started:	9-Sep-02		Date Finished:	9-Sep-02			Ψ
Location:	Wayland, MA		Drilling Method:	Geoprobe		⊕	B-317
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-318	
Casing Diam:	NA	Length:	NA	Type:	NA		
Boring Depth	: 10'	Well Depth:	NA	Boring Diam.:	4"		
Surface Elev.	: NA	MP:	NA	Depth to GW:	~6'		
		MP Elev.:	NA				

Depth	Well Log	Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 1 - 2 - 3 - 4 - 5 - 5 -		SAND		45"	 0-5": Dark brown, poorly sorted medium Sand and Silt, some coarse Sand, some root fibers at top of section, dry. 5"-30": Brown-tan medium grain SAND, moderately well sorted, little Gravel, little coarse Sand, some fine Sand, dry. 30"-45": Brow to brown/gray poorly sorted coarse and medium Sand, little cobbles, dry. 	S-1 0-5'	0.0	1 1 1 1
- 6 - - 7 - - 8 - - 9 -		SAND		42"	 0-8": Light brown to tan, medium to coarse Sand, well sorted, trace Cobbles, trace Gravel, dry. 8"-26": Brow to brown/gray fine SAND, some Silt, little coarse Sand, trace gravel, wet. 26"-42": Very dark brown coarse Sand, some Silt, wet. 	S-2 5'-10'	0.0	
- 10					Bottom of Boring at 10' bgs.			

BORI	NG LOG for	Boring #	# B-318		M Boylston Street, 6th Floor on, MA 02116	SITE MAP ⊕ B-316	
Project:	Raytheon-Wayland		Project Number:	143.72		Ψ B-310	
Client:	Raytheon		Logged by:	Michael Horesh			
Drilling Co:	Geosearch, Inc.		Driller:	Steve Law		⊕ B-312	
Date Started:	9-Sep-02		Date Finished:	9-Sep-02		•	Ф
Location:	Wayland, MA		Drilling Method:	Geoprobe		Φ	B-317
Screen Diam:	NA	Length:	NA	Slot Size:	NA	B-318	
Casing Diam	: NA	Length:	NA	Type:	NA		
Boring Depth	: 10'	Well Depth:	NA	Boring Diam.:	4"		
Surface Elev.	: NA	MP:	NA	Depth to GW:	~8'		
		MP Elev.:	NA				

O-3": Dark brown medium Sand, some Gravel, moderately sorted, some root fibers at top of interval, dry. 3"-30": Brown-orange/brown moderately sorted coarse to medium SAND, trace Gravel, trace Cobbles, some fine Sand, dry. 30"-44": Brown fine Sand and Silt, some coarse Sand, little Gravel, dry. 7 - 22": Brown, medium to coarse SAND, some fine Sand, trace Cobbles, some Gravel, dry. 22"-35": Brown/gray-gray, well to moderately sorted coarse Sand, trace Cobbles, some Gravel, dry. 22"-35": Brown/gray-gray, well to moderately sorted coarse Sand, trace Gravel, wet. 35"-41": Very dark brown, medium Sand, trace Silt, some coarse Sand, saturated. Bottom of Boring at 10' bgs.	Depth	Well Log Stratigraphy	Blowcounts per 6 inches	Recovery	Split Spoon Description/Soil Classification	Sample # & Depth	PID Conc. (ppm) spoon/HS	Lab Sample # & Analyses
- 6 -	- 2 - - 3 - - 4 -	SAND		44"	sorted, some root fibers at top of interval, dry. 3"-30": Brown-orange/brown moderately sorted coarse to medium SAND, trace Gravel, trace Cobbles, some fine Sand, dry. 30"-44": Brown fine Sand and Silt, some coarse Sand,		0.0	-
Bottom of Boring at 10' bgs. - 12	- 6 - - 7 - - 8 - - 9 -	SAND		41"	Sand, trace Cobbles, some Gravel, dry. 22"-35": Brown/gray-gray, well to moderately sorted coarse Sand, trace Gravel, wet. 35"-41": Very dark brown, medium Sand, trace Silt,		0.0	
- 21	- 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 10 - 12 - 10 - 10 - 10 - 10 - 10 - 10				Bottom of Boring at 10' bgs.			