

DEPTH (FT.)	CASING BLOWS/FT	SAMPLE NO PENETRATION SAMPLE LAB TEST	WATER CONTENT (%)	SHEAR STRENGTH, Su PEAK/RESIDUAL (PSF) ROD PROBE (BLOWS/FT)	SOIL DESCRIPTION	SOIL CLASS STANDARD PENETRATION RESISTANCE BLOWS/FT						PIEZOMETER DATA	ELEV (FT)		
						0	10	20	30	40	50			60	
1	WOC			49/15	SANDY ORGANIC SILT										
2	WOC	S-1 2.0 POOR			Dark gray sandy organic silt, little shell fragments. H <sub>2</sub> S odor. Very soft, wet.										
3				122/37	4.0										
4		S-2 2.0 POOR	114.9	184/52	SILTY SAND										
5				203/21											
		S-3 2.0		209/25											
		S-4 2.0			No recovery.										
10	WOC			295/31											
7		S-5 2.0 POOR			Medium dark gray silty sand, little gravel, little shell fragments, medium dense, wet. Layer, 0.05', brown fine fibrous peat.										
26		S-6 2.0 POOR			SAND										
13					Gray fine to coarse sand, little to some gravel, trace silt, dense wet.										
19		S-7 2.0 POOR	12.5		GRAVELLY SAND										
21					Gray gravelly fine to coarse sand, trace silt, medium dense, gap graded, wet.										
22															
34															
61															
46															
20		S-8 2.0 POOR													
25															
17															
19															
16															
23															
25															
15															
21															
23															
30		S-10 2.0 POOR													
28															
19															
24					Gray gravelly fine to coarse sand, trace silt, medium dense, gap graded, wet.										
43															
35		S-11 2.0 POOR			SAND										
40					Light brown fine to coarse sand, trace gravel, very loose, well graded, wet.										
36					Probed from 35.0' to 42.8' with BW drill rods and hollow stem tip. Recorded blow counts per foot - 140 lb hammer dropped 24".										
53															
73															
90															
73															
40															

U: 3" or 3 1/2" thin wall tube      S: split spoon      R: rock      C: 2" thin wall tube

<b>PRELIMINARY GEOTECHNICAL INVESTIGATION</b> <b>OF ENGINEERING PROPERTIES</b> <b>NEW BEDFORD HARBOR SUPERFUND SITE</b> <b>BRISTOL COUNTY, MASSACHUSETTS</b>		<b>E.C. JORDAN CO.</b> CONSULTING ENGINEERS	
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DEPTH (FT.)	CASING BLOWS/FT	SAMPLE NO. PENETRATION/RECOVERY	LAB TEST	WATER CONTENT (%)	SHEAR STRENGTH, SU PEAK/RESIDUAL (psi)	ROD PROBE (BLOWS/FT)	SOIL DESCRIPTION	SOIL CLASS STANDARD PENETRATION RESISTANCE BLOWS/FT						PIEZOMETER DATA	ELEV (FT)
								0	10	20	30	40	50		
41	90				72		Grayish brown fine to medium sand, dense to very dense.								
42	175 197				172 62	100+	NO PENETRATION								
43					42.8		BEDROCK AT 42.8 FEET								
44		2-1 3-1 2-5					Gray muscovite/biotite gneiss, trace garnet inclusions, some chloritization, schistose, friable.								
45															
					48.1		RQD = 12.3%								
50							BOTTOM OF EXPLORATION AT DEPTH OF 48.1 FEET								
							* Rock core obtained with a double barrel N core and NWX core bit.								
55															
60															
65															
70															
75															
80															

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 OF ENGINEERING PROPERTIES  
 NEW BEDFORD HARBOR SUPERFUND SITE  
 BRISTOL COUNTY, MASSACHUSETTS

**EC JORDANCO**  
 CONSULTING ENGINEERS

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