

EXPLORATION LOG SA189-A1

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 7-14-2009

EXPLORATION SIZE (dia.): 3' CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

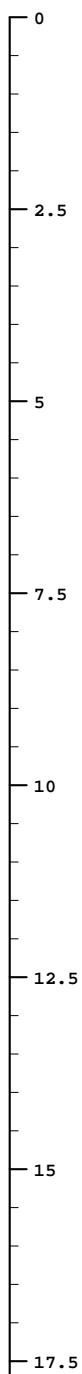
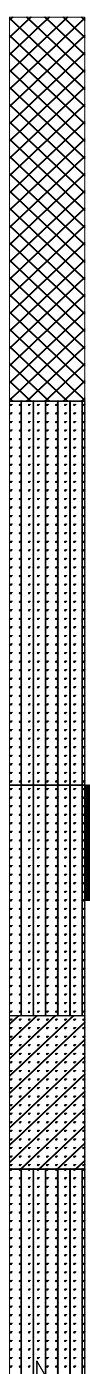
LOGGED BY: SEARS/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		<p>FILL</p> <p>SW-SM</p> <p>SW-SM</p> <p>SW-SC</p> <p>SW-SM</p>	<p>FILL, graded fill</p> <p>SAND with silt, reddish brown (5YR 4/4), 10%-20% silt, 80%-90% sand, trace gravel, dry, low plasticity</p> <p>Collect SA189-10B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 eV ...very dense, dry</p> <p>SAND with silt, 10%-15% silt, 85%-90% fine to medium sand</p> <p>SAND with silt, reddish brown (5YR 5/4), 10%-20% silt, 80%-90% fine to medium grained sand</p>						
	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> 39 50 38 </div>								

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

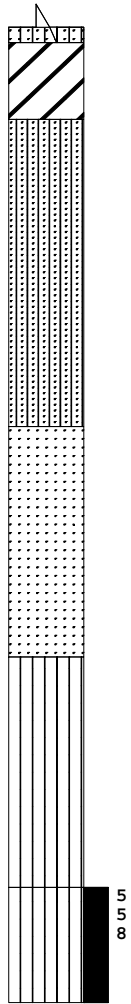
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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
									
		CH	Lean CLAY, reddish brown (5YR 5/4), high plasticity						
20		SM	Silty SAND, reddish brown (5YR 5/3), 20%-30% silt, 70%-80% fine sand, low plasticity						
22.5									
		SW	SAND, dark reddish brown (5YR 3/4), trace silt, 90%-95% fine to coarse sand, 2%-8% approximately 2" diameter volcanic sub-angular to sub-rounded gravel, no plasticity						
25									
		ML	MUDDY CREEK FORMATION: Silt with SAND, reddish brown (2.5YR 5/4), 80%-90% silt, 10%-20% fine sand, moist						
27.5									
		ML	Collect SA189-29B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV ...stiff moist						
30									
		END OF BORING AT 30.5 FEET							
32.5									
35									

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