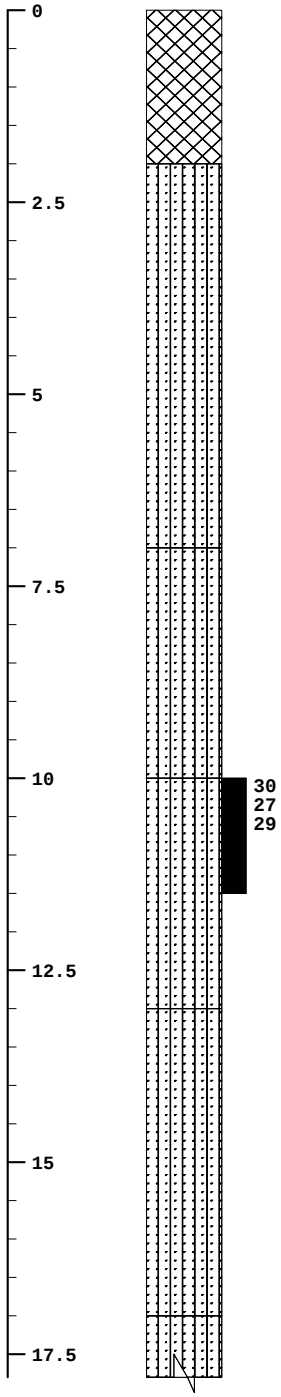
EXPLORATION LOG
SA35-A1

PROJECT: TRONOX PHASE B
PROJECT NO.: 20092518V1
EXPLORATION LOCATION: TRONOX AREA 1
EXPLORATION DATE: 07102009
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: NA
FINAL DEPTH TO WATER: NOT ENCOUNTERED
DATE MEASURED: NA



ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		FILL	FILL: Reddish brown (5 YR 4/6) well graded SAND with silt and trace gravel (80% - 90% sand; 10% - 20% silt) gravel is appproximately 3 inches in diameter and of volcanic origin. Pond material present.						
		SW-SM	Reddish brown (5 YR 4/6) well graded SAND with silt and trace gravel (80% - 90% sand; 10% - 20% silt) gravel is appproximately 3 inches in diameter and of volcanic origin.						
		SW-SM	...7 to 9 feet below ground surface (BGS) trace caliche lenses/nodules.						
		SW-SM	Collect sample SA35-10B. Very dense. PID readings: 11.7 eV = 0.0 ppmV; 10.6 eV = 0.4 ppmV.						
		SW-SM	...13 to 14 feet BGS is 3% - 7% gravel. Gravel is approximately 2 inches in diameter, subrounded to subangular, and of volcanic origin.						
		SW-SM	...Trace light grey to white caliche nodules/ lenses 17 to 19 feet BGS.						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
20	26 37 60	SW-SM	Collect sample SA35-20B. Very dense. PID readings: 11.7 eV = 0.0 ppmV; 10.6 eV = 0.0 ppmV.						
22.5									
25									
27.5		SW-SM	...transition into softer lithology.						
30		SM	Reddish brown (5 YR 4/4) silty SAND (70% - 85% fine sand; 15% - 30% silt; trace calcite lenses/nodules).						
32.5	8 8 12	ML	MUDDY CREEK FORMATION: Collect sample SA35-32B and SA35009-32B. Reddish brown (2.5 YR 5/4) SILT with sand and trace clay (80% - 90% silt; 10% - 20% fine grained sand). Moist and very stiff. PID readings: 11.7 eV = 0.0 ppmV; 10.6 eV = 0.0 ppmV.						
35			**END OF BORING AT 33.5 FEET**						

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.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.