## **EXPLORATION LOG** RSAJ2

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE: 6/26/2009** 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: NA** 

FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: NA

			DATE MEASURED.	INM					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	ā.	Ţ	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 0 - 2.5 5 		Fill	Silty sand from road fill and ladfill cap.						
- 7.5 	_	SW-SM	7-8 feet, black ash  Reddish brown (2.5YR 4/4) well graded SAND with silt, trace gravel. 80-90% fine to coarse grained sand, 10-15% silt, trace gravel.		· mme tamm		*		
- 10 - - - - - 12.5	25 34 31		Collect sample RSAJ2-10B, very dense, dry.		mm dam.		T THE TAXABLE	To construct the second	
- - - 15 - - -		SW-SM	Reddish brown (2.5YR 4/4) well graded SAND with silt and gravel. 70-80% fine to coarse grained sand, 10-15% subangular gravel, less than 2 inches diameter, volcanic, 10-15% silt. Dry.						

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.

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	-	,							
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	ā	77	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
— 17.5 - -			Gravelly sand bed. 20-30% subangular to subrounded gravel, less than 3 inches diameter, volcanic.						
20 - -	50 50/3	SW-SM	19.5-21, Weak to moderate cementation, calcite cement.  Reddish brown (2.5YR 4/3) well graded SAND with silt. 80-90% fine to medium grained sand, 10-20% silt. Low plasticity, dry.						
- 22.5 - - -				THE PARTY OF THE P	, marylands.		Tomas Annual Company		
25 - - - -			moist		muna.		THE PARTY OF THE P	T SACRES AND THE SACR	***************************************
- 27.5 - - - - - 30					THE PERSON NAMED IN COLUMN TO SECURITY OF	, may be the second of the sec		navoya uma da	
- - - - 32.5		SM	Reddish brown (5YR 4/4) silty SAND (Muddy Creek Formation?). 70-90% fine sand, 10-30% silt.			THE PARTY OF THE P			
-	5 7 10	-	Collect samples RSAJ2-33B, RSAJ2009-33B.						

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Figure No.

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EXPLORA' EXPLORA' ELEVATIO INITIAL DE	TRONOX PHASE TION LOCATION: TION SIZE (dia.): N: EXISTING GRO	E BARREL URFACE NCOUNTERED	PROJECT NO.: 200 EXPLORATION DAT EQUIPMENT: SDC: LOGGED BY: SEAT DATE MEASURED:	ORE RI	G					
FINAL DEPTH TO WATER: NOT ENCOUNTERED				DATE MEASURED: NA						
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRII	PTION	Id.		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
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— 37.5 —					The state of the s	TOTAL PARTY OF THE	7.00	THE PROPERTY OF THE PROPERTY O		The state of the s
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- 42.5 - - -						THE SAME AS A STATE OF THE SAME OF THE SAME AS A STATE OF THE SAME A	Account to the second s	1		A THE PARTY OF THE
- <b>45</b> - -						Transplation .				WANTANA WANTAN
- 47.5 - - -					mminipalata.	mini katala		- 1774	The state of the s	
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