

# EXPLORATION LOG RSAQ7-A3

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 3  
**EXPLORATION SIZE (dia.):** 3" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 10-27-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A  
**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>0</p> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 10px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 20px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 30px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 40px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 50px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 60px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 70px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 80px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 90px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 100px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 110px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 120px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 130px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 140px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 150px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 160px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 170px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 180px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 190px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 200px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 210px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 220px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 230px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 240px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 250px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 260px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 270px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 280px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 290px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 300px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 310px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 320px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 330px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 340px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 350px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 360px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 370px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 380px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 390px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 400px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 410px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 420px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 430px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 440px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 450px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 460px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 470px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 480px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 490px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 500px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 510px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 520px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 530px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 540px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 550px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 560px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 570px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 580px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 590px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 600px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 610px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 620px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 630px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 640px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 650px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 660px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 670px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 680px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 690px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 700px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 710px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 720px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 730px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 740px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 750px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 760px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 770px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 780px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 790px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 800px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 810px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 820px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 830px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 840px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 850px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 860px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 870px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 880px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 890px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 900px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 910px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 920px; left: 0; right: 0; height: 10px; background-color: black;"></div> <div style="position: absolute; top: 930px; left: 0; right: 0; height: 10px; background-color: black;"></div> </div> </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.


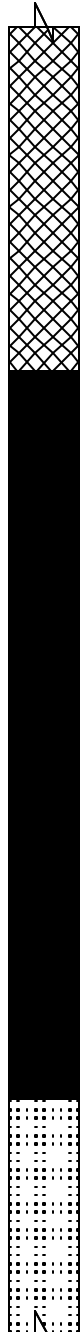
# EXPLORATION LOG RSAQ7-A3

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 3  
**EXPLORATION SIZE (dia.):** 3" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 10-27-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A  
**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
									
		PAVE	CONCRETE and rebar from abandoned tunnel						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine volcanic gravel, medium dense, damp, no plasticity, strong HCl reaction						

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.

# EXPLORATION LOG RSAQ7-A3

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 3  
**EXPLORATION SIZE (dia.):** 3" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 10-27-2009  
**EQUIPMENT:** SDC550-24 SONIC CORE RIG  
**LOGGED BY:** SEARS/GAREY

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** N/A  
**DATE MEASURED:** N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>35</p> <p>37.5</p> <p>40</p> <p>42.5</p> <p>45</p> <p>47.5</p> <p>50</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </div> </div>									
		SW	...6" thick layer of heavily cemented sand (gypsum cement)						
		SP	SAND, light reddish brown (5YR 6/4), 100% very fine to fine sand, heavy calcium carbonate cementation						
		SP	Collect RSAQ7-38B, RSAQ7-38BMS, RSAQ7-38BMSD						
			<b>END OF BORING AT 39.5 FEET</b>						

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.