

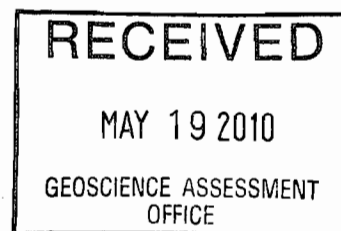
**2008-2009**

**Report of Prospecting  
Power-stripping, washing,  
Drilling and Blasting  
Sampling**

**Cairo Township**

**Larder Lake Mining Division**

**2 . 4 5 1 3 6**



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## **Introduction**

### **Project Description**

The Cairo Property which is located in Cairo Township was the subject of a prospecting, sampling project with follow up power-stripping, washing, detailed geological work along with drilling, blasting and sampling.

The work was performed by employees of Pro Minerals Inc.

The work on the Cairo Property was performed in 2008 and 2009.

## **Location and Access**

The Cairo Property is located in central Cairo Township.

Access is via Highway 66 for 56 KM West from Kirkland Lake, ON. You then go North on Matachewan Reserve Road. This all season gravel road goes through the entire property. There are a few logging roads branching off to excellent access East and West.

## **Geology**

The geology according to O.D.M M2110 is entirely composed of the Cairo Stock.

It is a circular intrusion with granite/granodiorite/mafic syenite/syenite porphyre/quartz diorite and diorite.

There are volcanics on the west end the property. These are basalts and diorites. Matachewan diabase intrudes all these rocks.

## **Exploration Program**

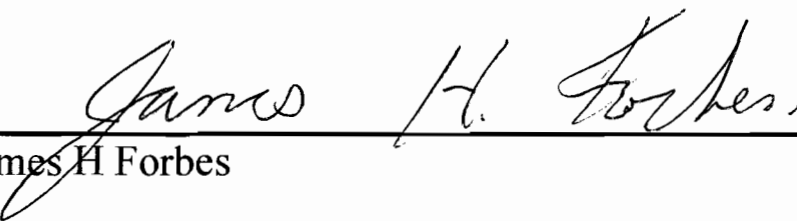
A preliminary prospecting program was conducted with sampling of zones of interest. This sampling then lead to the power-stripping of two zones. A new zone (South Boundary Zone) was discovered in 2009.

Two additional zones were opened up with a drilling-blasting and sampling

## Statement of Qualifications

I, James H Forbes of the Town of Kirkland Lake, ON, DO  
HEREBY CERTIFY THAT:

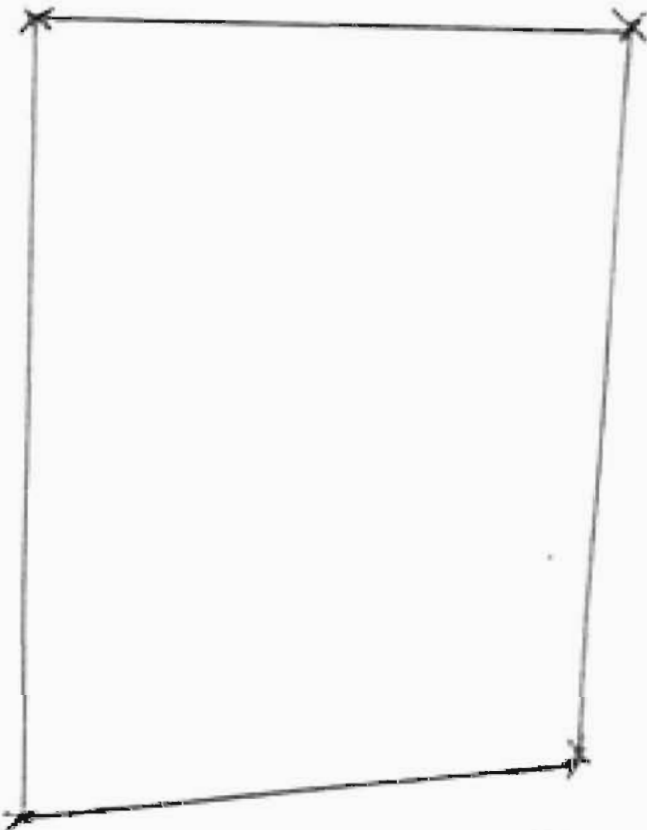
- 1, I was trained as a geophysicist by Texas Gulf Mines in 1975
- 2, I have performed numerous geophysical surveys for mining companies as well as my own companies.
- 3, I have my honorary prospector's licence.
- 4, I have been in the mining exploration business since 1969.
- 5, I conducted this project and report.

  
\_\_\_\_\_  
James H Forbes

STRIP AREA #1  
SCALE 1 CENTIMETER = 4 METERS.

529371E  
5314023N

529396E  
5314023N



529371E  
5313992N

529394E  
5313996N

NORTH  
ASTRO/NORMIC



529844E  
5312649N

BLAST PIT  
1.5 METERS  
DEEP.

529852E  
5312654N

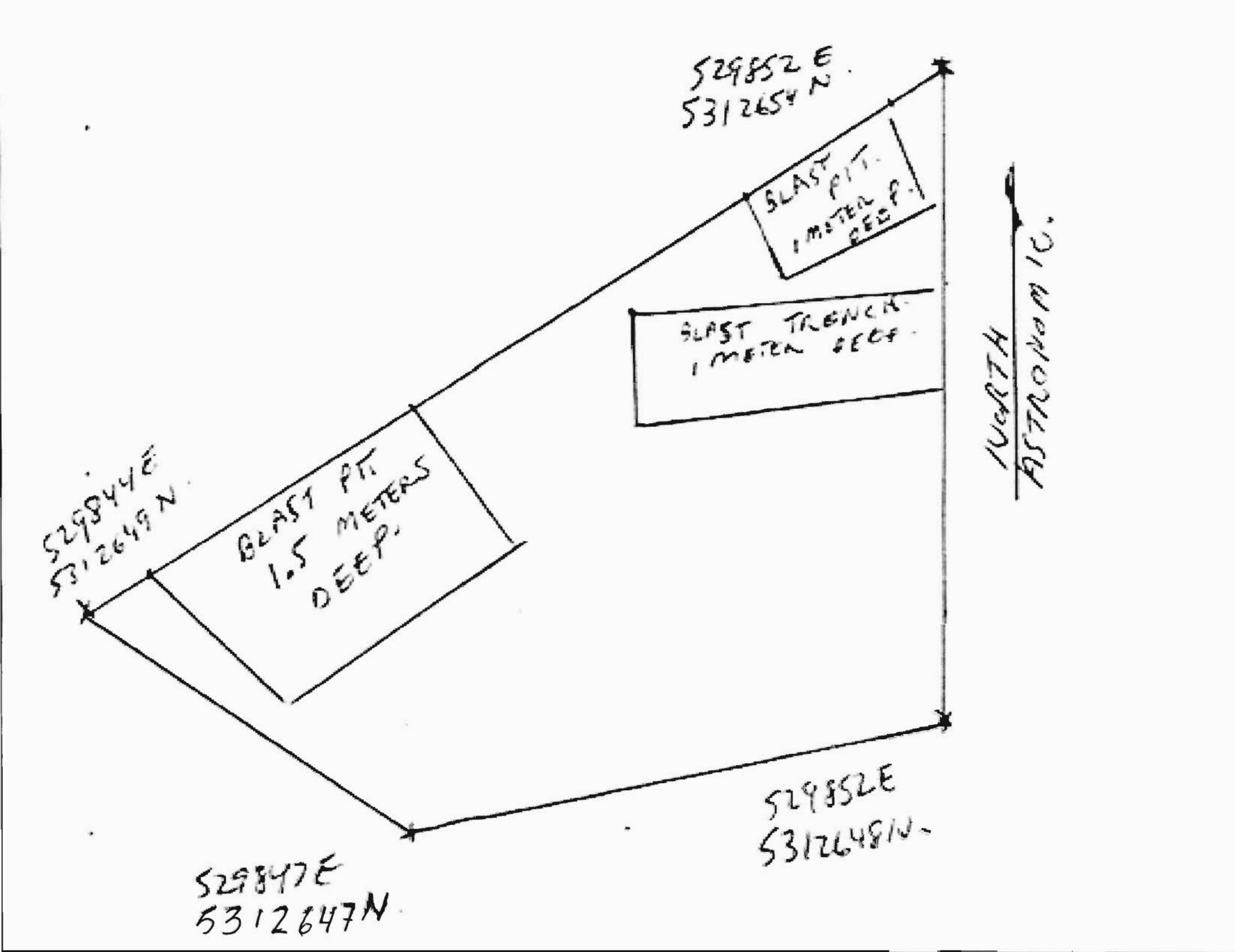
BLAST PIT  
1 METER  
DEEP.

BLAST TRENCH  
1 METER DEEP.

529847E  
5312647N

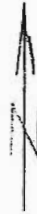
529852E  
5312648N

VERTICAL  
ASTRONOMICAL

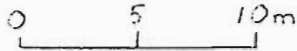


# -CAIRO-

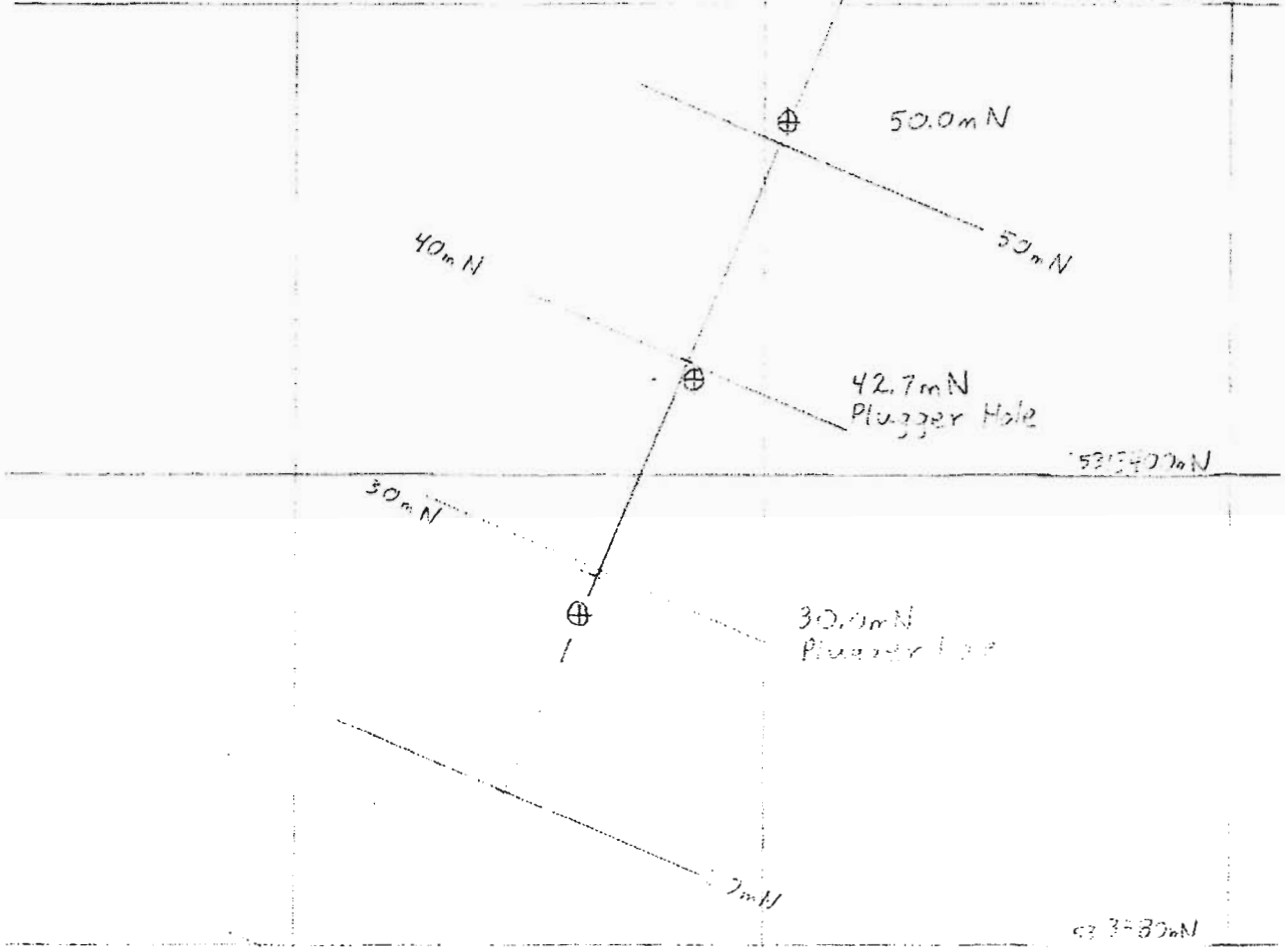
521542mN



+ = UTM Nad 83  
 Plot of Waypoints  
 Appears to be +/- 3m



5215420mN



5215390mN

Pro Minerals Inc  
 CAIRO Top showing  
 Grid and Reference Stations

5219920mE



00.0mN  
 Large Isolated  
 Jack Pine  
 North of 5219920mE  
 Tree Blazed  
 Measure 10m  
 and nearby Station

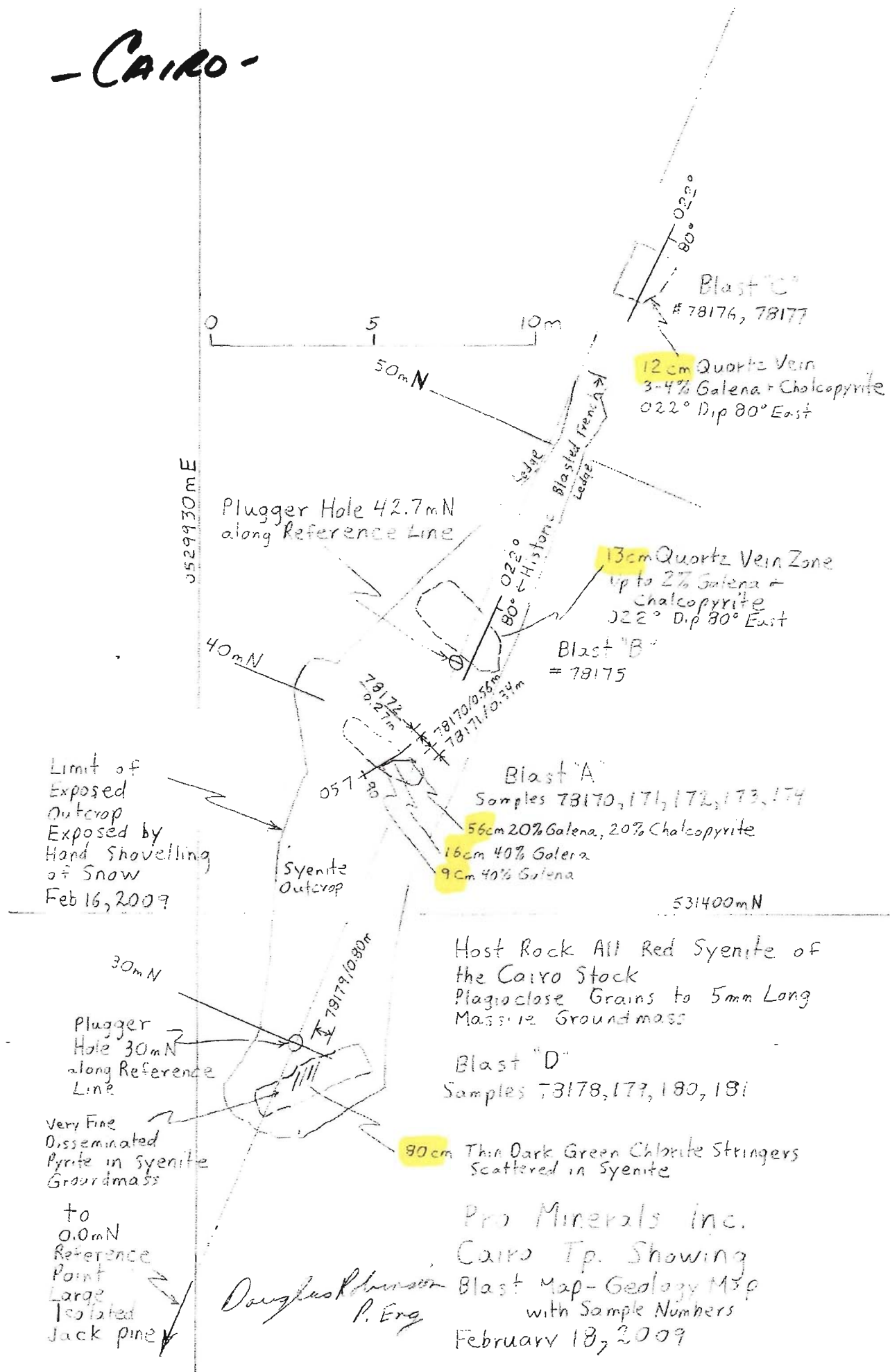
5219740mE

Douglas Robinson P. Eng.

2010.02.22

5219920mN

# -CAIRO-



Blast "C"  
# 78176, 78177  
12cm Quartz Vein  
3-4% Galena + Chalcopyrite  
022° Dip 80° East

13cm Quartz Vein Zone  
up to 2% Galena + Chalcopyrite  
022° Dip 80° East

Blast "B"  
= 78175

Blast "A"  
Samples 78170, 171, 172, 173, 174  
56cm 20% Galena, 20% Chalcopyrite  
16cm 40% Galena  
9cm 40% Galena

Blast "D"  
Samples 78178, 179, 180, 181

80cm Thin Dark Green Chlorite Stringers  
Scattered in Syenite

Host Rock All Red Syenite of  
the Cairo Stock  
Plagioclase Grains to 5mm Long  
Massive Groundmass

Pro Minerals Inc.  
Cairo Tp. Showing  
Blast Map - Geology Map  
with Sample Numbers  
February 18, 2009

Douglas Robinson  
P. Eng

Limit of Exposed  
Outcrop  
Exposed by  
Hand Shovelling  
of Snow  
Feb 16, 2009

Very Fine  
Disseminated  
Pyrite in syenite  
Groundmass

to  
0.0mN  
Reference  
Point  
Large  
Isolated  
Jack pine

- CAIRO

0 5 10m

0529930mE

Plugger Hole 42.7mN along Reference Line

Blast C  
# 78176, 78177  
12cm Quartz Vein  
3-4% Galena + Chalcopyrite  
022° Dip 80° East

ledge  
Blasted Trench  
Ledge

13cm Quartz Vein Zone  
up to 2% Galena + Chalcopyrite  
022° Dip 80° East

Blast "B"  
# 78175

40mN

78172  
0.27m  
78170, 171, 172, 173, 174  
78171, 170, 34m

Blast "A"  
Samples 78170, 171, 172, 173, 174

56cm 20% Galena, 20% Chalcopyrite  
16cm 40% Galena  
9cm 40% Galena

Limit of Exposed Outcrop Exposed by Hand Shovelling of Snow Feb 16, 2009

Syenite Outcrop

531400mN

Host Rock All Red Syenite of the Cairo Stock  
Plagioclase Grains to 5mm Long  
Massive Groundmass

30mN

Plugger Hole 30mN along Reference Line

Blast "D"  
Samples 78178, 179, 180, 181

Very Fine Disseminated Pyrite in syenite Groundmass

80cm Thin Dark Green Chlorite Stringers Scattered in Syenite

to 0.0mN Reference Point Large Isolated Jack pine

Douglas Robinson  
P. Eng

Pro Minerals Inc.  
Cairo Tp. Showing  
Blast Map-Geology Map  
with Sample Numbers  
February 18, 2009

**Daily Log of Work**  
**Performed**  
**(Power-Stripping, Washing**  
**Drilling, Blasting and Sampling**

**July 14, 2008- Prospecting (James H Forbes, Steven Forbes and James B Forbes) 8 hours**

**July 22, 2008- Prospecting (James H Forbes, James B Forbes, Melissa Forbes and Steven Forbes) 8 hours**

**July 31, 2008- Prospecting (James H Forbes and James B Forbes) 8 hours**

**August 31, 2008-Prospecting (James H Forbes and James B Forbes) 8 hours**

**September 01, 2008- Prospecting (James H Forbes, James B Forbes and Melissa Forbes) 8 hours**

**September 01, 2008- Prospecting (James H Forbes and James B Forbes) 8 hours**

**September 10, 2008-Prospecting (James H Forbes and Melissa Forbes) 8 hours**

**September 11, 2008-Prospecting (James H Forbes, James B Forbes and Melissa Forbes) 8 hours**

**October 21, 2008-Line up back-hoe-James H Forbes-8 hours**

**October 22, 2008- Back-hoe on area #1, power-stripping and power- washing-(James H Forbes, James B Forbes and Melissa Forbes) 8 hours**

**October 23, 2008-Back-hoe on area #2, power-stripping and power-washing-(James H Forbes and Melissa Forbes) 8 hours**

**October 24, 2008-Power-washing (James H Forbes, James B Forbes and Melissa Forbes) 8 hours**

**November 14, 2008-Sampling (James H Forbes and Melissa Forbes) 8 hours**

**November 20, 2008-Deliver samples to Swastika Lab (James H Forbes) 8 hours**

**November 24, 2008-Break trail into stripping area and start shovelling (James H Forbes, James B Forbes and Melissa Forbes) 8 hours**

**November 28, 2008-Cut wood for sampling program (James H Forbes, James B Forbes, Melissa Forbes and Steven Forbes) 8 hours**

**November 29, 2008-Clean out-crop (James H Forbes, James B Forbes, Melissa Forbes and Steven Forbes) 8 hours**

**December 01, 2008-Clean out-crop (James H Forbes and Steven Forbes) 8 hours**

**December 03, 2008-Diamond-sawing and Sampling (James H Forbes, James B Forbes, Melissa Forbes and Steven Forbes) 8 hours**

**December 04, 2008-Sampling (James H Forbes, Steven Forbes and Melissa Forbes) 8 hours**

**December 05, 2008-Sampling (James H Forbes, Melissa Forbes and Steven Forbes) 8 hours**

**Daily Log of  
Work Performed  
(Power Stripping/Washing/Drill/Blast/Sampling)**

**July, 2009- Preliminary prospecting project was started in Cairo Township for Pro Minerals Inc.**

**July 18, 2009 – Cut trail into Cairo showing (Jim H Forbes, Robert Jones, James B Forbes) 8 hours**

**July 22, 2009 – Sample CU/PB/AU (James H Forbes, Robert Jones, James B Forbes) 8 hours**

**July 25, 2009- Search for showing one side (James H Forbes, Robert Jones, James B Forbes) 8 hours**

**This showing could not be found, so a base-line was proposed to find showing with cross lines.**

**July 31, 2009- Cut trail and turned off base-line (James H Forbes, Robert Jones, James B Forbes) 8 hours**

**August 01, 2009- Cut base-line (Frank Johnson, Robert Jones, James H Forbes, James B Forbes) 8 hours**

**August 02, 2009- Cut base-line (Frank Johnson, Robert Jones, James H Forbes, James B Forbes) 8 hours**

**August 11, 2009- Prospecting (James H Forbes, James B Forbes) 8 hours**

**August 12, 2009- Line-cutting (Frank Johnson and Robert Jones) 8 hours**

**August 12, 2009- Prospecting (James H Forbes and James B Forbes) 8 hours**

**August 13, 2009- Line-cutting (Frank Johnson and Robert Jones) 8 hours**

**August 13, 2009- Prospecting (James H Forbes and James B Forbes) 8 hours**

**August 14, 2009- Line-cutting (Frank Johnson and Robert Jones) 8 hours**

**August 14, 2009- Prospecting- James H Forbes-8 hours**

**August 15, 2009- Line-cutting (Frank Johnson and Robert Jones) 8 hours**

**August 15, 2009- Prospecting- James H Forbes-8 hours**

**August 16, 2009- Line-cutting (Frank Johnson and Robert Jones) 8 hours**

**August 16, 2009- Prospecting (James H Forbes and James B Forbes) 8 hours**

**August 17, 2009- Fix ATV- James H Forbes- 8 hours**

**August 23, 2009- Prospecting/Locate EW vein on east side of lake (James H Forbes and James B Forbes) 8 hours**

**August 23, 2009- Shovel out trench (Melissa Forbes, Steven Forbes)8 hours**

**August 24, 2009-Sampling EW vein (Frank Johnson and James H Forbes) 8 hours**



**August 26, 2009- Drill new zone/South boundary (Frank Johnson, Robert Jones, James H Forbes, James B Forbes) 8 hours**

**August 27, 2009-Finish drilling (Robert Jones and James H Forbes) 8 hours**

**September 18, 2009-Deliver samples to Swastika Lab-James H Forbes-8 hours**

**September 18, 2009-Computer work-Wendy Wilson-8 hours**

**October 03, 2009-Line up blasters-James H Forbes-8 hours**

**October 04, 2009- Blast new South zone (Earl Boyce, Helper, James H Forbes, James B Forbes) 8 hours**

**October 06, 2009-Work with a Geologist sampling EW vein (Sean Parent and James H Forbes) 8 hours**

**October 07, 2009- Sample new zone (Sean Parent, James H Forbes, Andrew Neville) 8 hours**

**February 10, 2009-Shovel out trench (James H Forbes, James B Forbes, Melissa Forbes, Steven Forbes) 8 hours**

**February 11, 2009-Shovel out trench (James H Forbes, James B Forbes, Melissa Forbes, Steven Forbes) 8 hours**

**February 12, 2009- Drilling (James H Forbes, Erle Boyce, Eric Marion) 8 hours**

**February 13, 2009- Drilling and Blasting (James H Forbes, Erle Boyce, Eric Marion) 8 hours**

**February 14, 2009- Drilling and Blasting (James H Forbes,  
Erle Boyce, Eric Marion) 8 hours**

**February 15, 2009- Drilling and Blasting (James H Forbes,  
Erle Boyce, Eric Marion) 8 hours**

**February 16, 2009- Blasting ( James H Forbes, Erle Boyce,  
Eric Marion) 8 hours**