

**Charlie Mortimer**

**Dore Project**

**Assessment Report on Mechanical Trenching and**

**Diamond Drilling**

**NTS 41 O/NE**

**October 29, 2006**

**Todd Keast**

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Diamond Drill Logs

Plan Map

## **INTRODUCTION**

During 2006, Charlie Mortimer completed a diamond drill program and a mechanical stripping program on a group of claims in Dore Township, situated approximately 100 kilometres southwest of Timmins Ontario, within the Porcupine Mining Division.

The project is located in the Swayze greenstone belt of the Abitibi Subprovince. The greenstone belt is an east-west trending sequence 45km by 25km. Rock types include massive and fragmental rhyolite volcanic rocks, massive basaltic flows, and scattered feldspar porphyry intrusions. Sedimentary rocks are a minor component and include greywacke, argillite, and conglomerate. East-west trending fold axes are prevalent throughout the stratigraphic package.

Diamond drilling intersected wide intervals of intense pervasive carbonate alteration with very weak sulphide mineralization. Mechanical stripping has uncovered several significant shear structures. Due to the occurrence of surface gold showings and widespread alteration, additional work is recommended for the Dore project.

## **LOCATION AND ACCESS**

The property is situated 100 kilometres southwest of Timmins, Ontario. The project is located in Dore Township of the Porcupine Mining Division. The latitude and longitude of the project is NTS 41 0 / NE, 47° 45 ' N 82° 40' E.

Access to the property is excellent. The Folyet Timber road crosscuts the property. The logging road is accessed from Hwy 101 approximately 100 km southwest of Timmins. The property is approximately 55km south of the Hwy.

## **PROPERTY**

The Dore Project consists of 17 unpatented mining claims. The claims are situated in Dore township (G1108) of the Porcupine Mining Division.

## **TOPOGRAPHY**

The Dore project is characterized by flat to gently rolling topography. The vegetation consists predominantly of balsam and spruce in the low areas, and a mixture of poplar and balsam in the high areas. Outcrop exposure is approximately five to ten percent.

## **REGIONAL GEOLOGY**

The project is situated in the Swayze greenstone belt of the Abitibi Subprovince. The greenstone belt is an east-west trending sequence 45 km by 25 km. Rock types include massive and fragmental rhyolite volcanics, massive basalt flows, and scattered feldspar porphyry intrusions. Sedimentary rocks are a minor component and include greywacke and conglomerate. East-west trending fold axes are prevalent throughout the stratigraphic package.

The Ontario Geological Survey completed a mapping project of Dore township O.D.M. Report 33.

## **PROPERTY GEOLOGY**

The claims are situated over a major east west trending rhyolite / basalt contact. Lithological contacts are preferential sites of structural development, thus important exploration targets.

The geology of the project consists of a thick sequence of volcanic rocks which include mafic volcanic flows, mafic lapilli, conglomerates, and narrow north-south trending diabase dykes, and an east-west oriented 50m wide shear zone. Alteration within the shear zone consists of chlorite – sericite – carbonated schist. Quartz veins were identified at a number of locations along the structure.

## **EXPLORATION PROGRAM**

Charlie Mortimer has completed three drill holes and an extensive area of mechanical stripping. A total of 290 ft of drilling was completed and approximately 1800 metres of mechanical stripping has been completed. Details of the drill results are included on the drill logs and sections. Location of the drill holes and the locations trenches are included on the plan map.

## **CONCLUSIONS AND RECOMMENDATIONS**

Further work is recommended for the Dore Project. The mechanical stripping has exposed wide areas of intense alteration with some quartz veining and sulphide mineralization. Several showing are visible were identified during the stripping program.

A mapping and sampling program is recommended for the property. The trenches should be mapped and sampled . Additional diamond drilling will be warranted to follow up on these new areas of alteration.

## REFERENCES

### References:

Donovan, J. F. 1965

Geology of Swayze and Dore Townships. Ontario Department of Mines  
Geological Report No. 33. Accompanied by Map 2070, coloured.

O.G.S. 1982

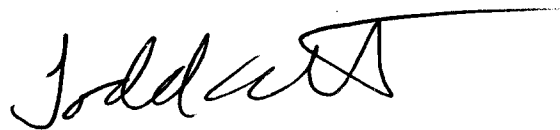
Airborne Electromagnetic and Total Intensity Magnetic Survey, Swayze Area, Cree  
Lake Sheet, District of Sudbury, 80541.

## **CERTIFICATE OF QUALIFICATIONS**

I, **Todd Keast**, of 1204 Grace Ave., Porcupine, Ontario, do hereby certify that:

1. I am the author of this report.
2. I am a graduate of the University of Manitoba, Winnipeg, Manitoba, having received an Honors Bachelor of Science (Geology), in 1986.
3. I have practiced in the field of mineral exploration since 1987, for a number of exploration companies throughout Manitoba, Ontario, and Quebec.

Dated at Porcupine, Ontario this 29th day of October, 2006.

A handwritten signature in black ink, appearing to read 'Todd Keast', with a long horizontal flourish extending to the right.

Todd Keast

## **Appendix I**

### **Plan Map of Dore Project**



CLAIMaps iii

HELLYER	BIIGOS	WRIGHTHAM (A.E.R.)	SILK
RANEY	ROLLO	COPPELL (A.E.R.)	
DENYES SWAYZE		DORE	HEENAN
	CUNNINGHAM	GARNET	BENTON

**Layers**

Visible

- Alienations
- Federal Lands
- Parks
- Pending Claims - Including Filed Only Claims
- Disposition Symbols
- Dispositions
- Pending Disposition Symbols
- Pending Dispositions
- Lots & Concessions
- Cliff, Pit & Pile
- Utilities
- Trails
- Roads
- Railways
- Mine Sites
- Mine Headframes
- Towers
- Contours
- Beaver Dams
- Watercourses

Claim 1154402

Link to MCI System

**Identify Claims**

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## **Appendix II**

### **Diamond Drill Logs**







N

53°

Casings

Porphyry

Carbonate Breccia  
Conglomerate

E

Porphyry

Sericite Carbonate Alteration

Porphyry

CHW  
175 FT  
163 FT

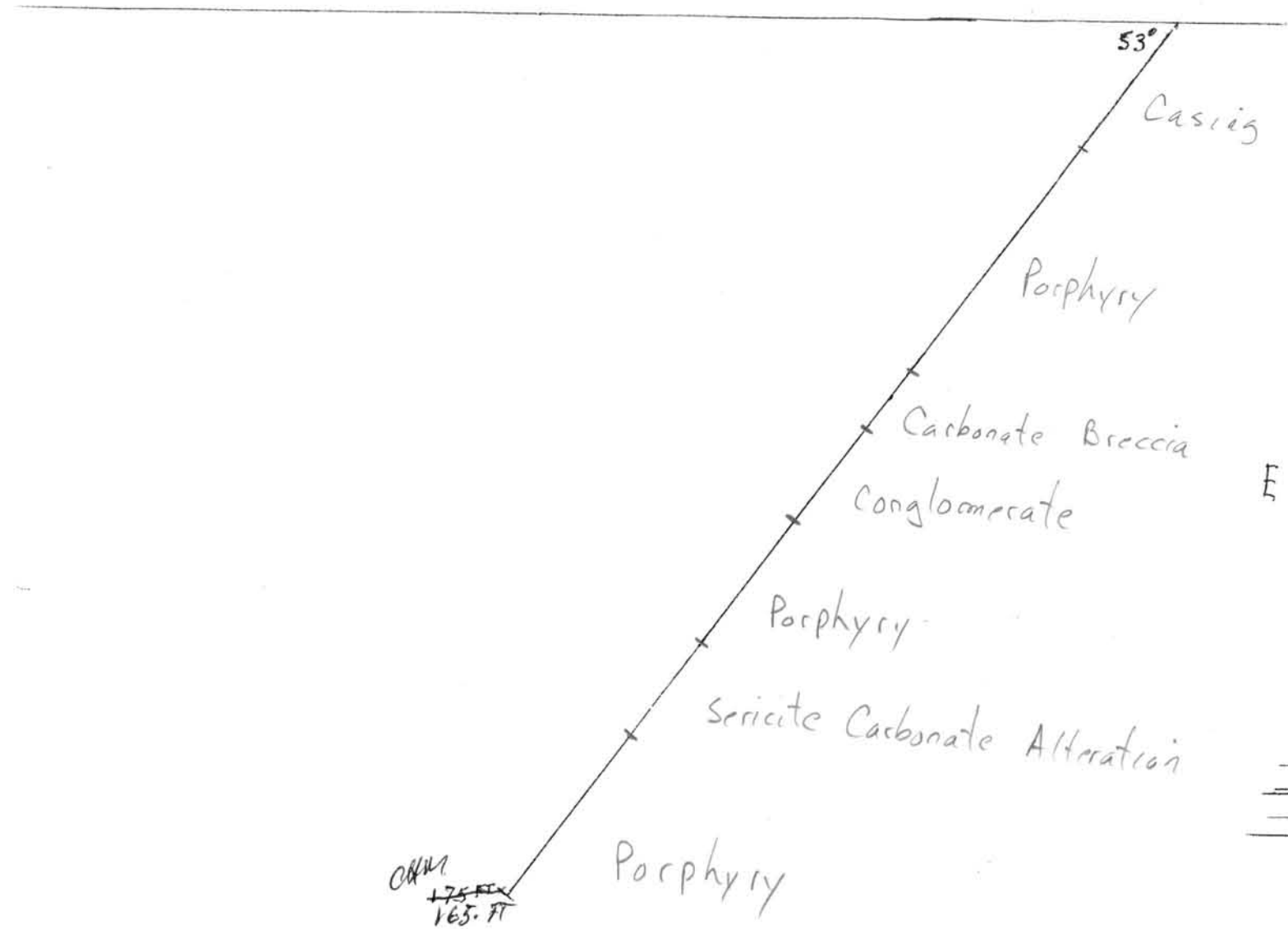
DDH 2005-1 CLAIM 4203120 DORE TWP. ONT  
PORCUPINE MINING DIVISION.

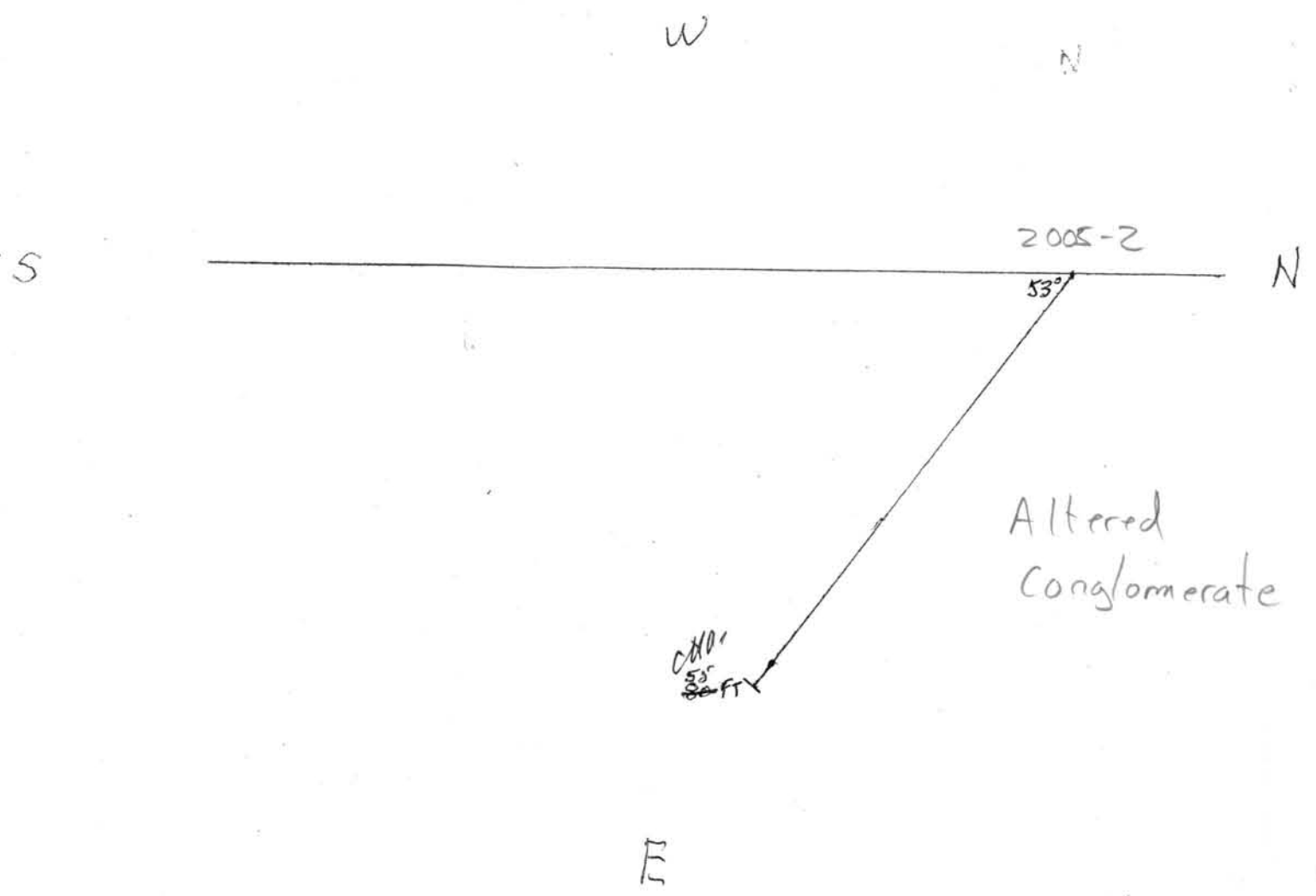
SCALE 1 IN. = 25 FT

25 FT 0 25 FT

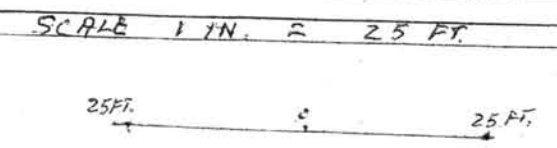
S

W





DDH 2005-2 CLAIM 4202945 DORE TWP. ONT  
PORCUPINE MINING DIVISION



NW



53°

Altered  
Conglomerate

70 FT  
CUT

SW

NE

SE

DDH 2005-3 CLAIM 4202945 DORE TWP ONT.  
PORCUPINE MINING DIVISION  
SCALE 1 IN. = 25 FT

