

2.54338

GEOLOGICAL REPORT FOR RIVER VALLEY PROJECT

CRERAR TOWNSHIP

(Sudbury Mining Division)
River Valley Area

*Colour copies of the
enclosed maps can be
provided if necessary
J. Racicot.*

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Location and Access

The River Valley property where the prospecting, stripping, trench mapping and sampling is located approximately 50km east of Sudbury. Claim holders Frank Racicot and Albert Leblanc jointly own 296 units. Figure 1.

Most of the work was done on two separate 4 unit claims in Crerar Township. (Claim number 1214772 and 1214610). The location map for the area and the two claims in question is shown on Figure 1A. The claims occurs within NTS 411/09 and are centered on latitude 49° 36' N and longitude 80° 17' W (554892mE, 5160971mN, UTM Zone 17, NAD 83).

Excellent year round access to the property can be gained from Sudbury by travelling east on Highway 17 to Warren, and then northwards on Highway 539 to the town of River Valley.

One then turns west on the Rochon Road, just south where Highway 539 crosses the Sturgeon River; the road is a well maintained gravel road and goes through claim 1214772 and just south of neighboring claim 1214610. A gravel logging road goes north from the Rochon Road into claim 1214610 where the bulk of the stripping was done.

Claim Holders and Claim Details

The claims are held jointly by Frank Racicot and Albert Leblanc. Their addresses are as follows:

Albert Leblanc: 72 Labine Rd. Hagar, Ont. P0M 1X0	Frank Racicot 734 Whittaker St. Sudbury, Ont. P3E 4B2
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Frank Racicot will be submitting the assessment report.

Claims 1214772 and 1214610 are located in Crerar Township in the Sudbury Mining Division. Figure 1B shows those two claims in relationship to all of the claims held by Racicot and Leblanc- superimposed over a geology map of the east side of the River Valley complex, originally produced by Mustang Minerals.

Regional Geology

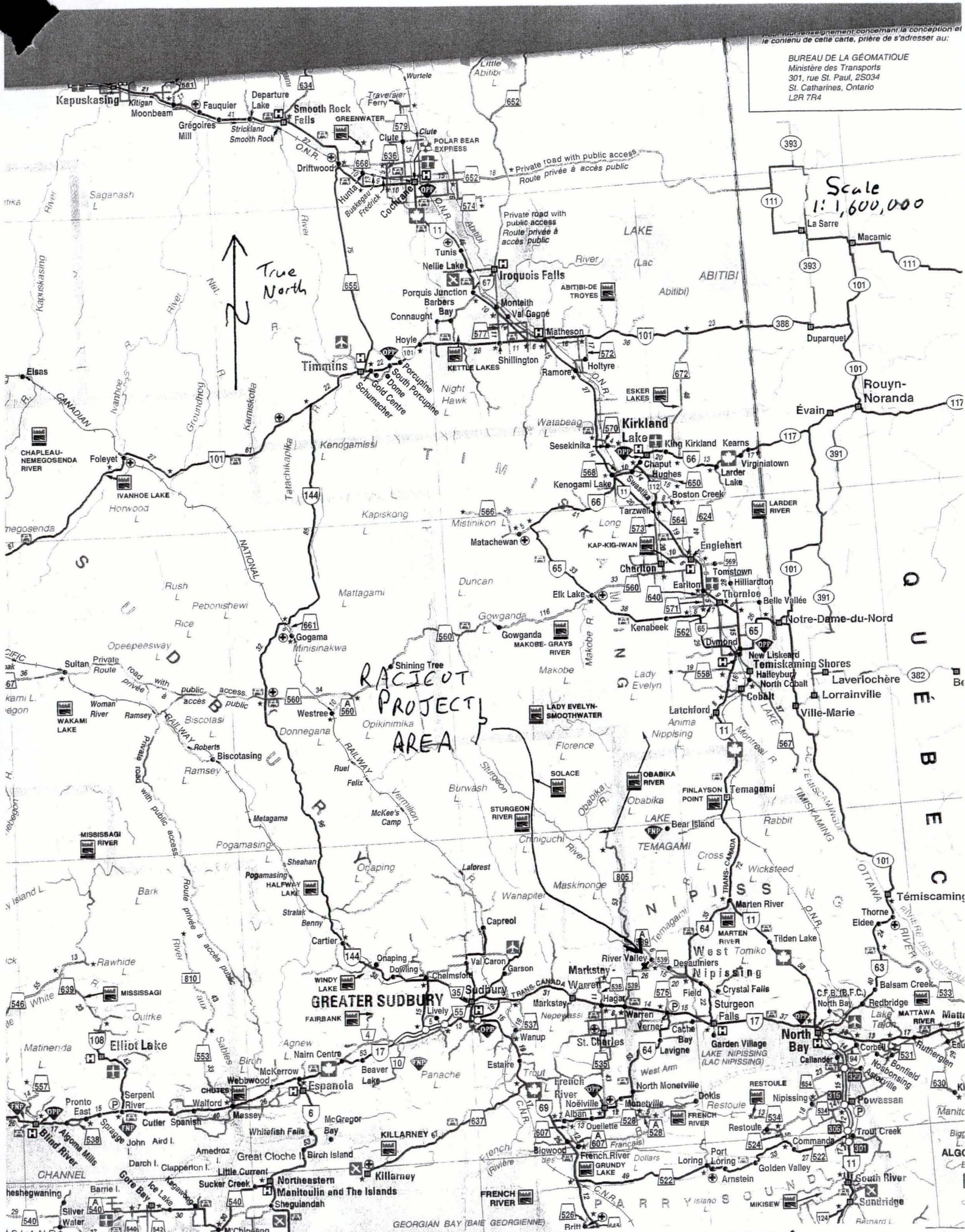
The River Valley property is underlain by the early Proterozoic-aged (2475±2/-1 Ma) River Valley Intrusion, a layered gabbro-anorthosite pluton. The intrusion is approximately 30km long and up to 15km wide, and is part of the Huronian Nipissing Magmatic Belt, which includes the East Bull Lake and Shakespeare-Dunlop intrusions which are located in the Southern Province to the west of Sudbury. The River Valley Intrusion occurs close to the juxtaposition of the Superior, Southern and Grenville provinces. The intrusion is situated in the Grenville province and is cut, but not displaced, by the Grenville Front tectonic zone along the northwest margin. Regionally, the River Valley pluton is associated with a large, positive gravity anomaly that suggests a possible associated denser, more mafic phase at depth.

Property Geology

The River Valley area was mapped by Lumbers (1973) during a regional reconnaissance mapping program, which broadly outlined the geology of the River Valley Intrusion, the surrounding host rocks and the location of the Grenville Front. In 1999 Easton and Hrominchuk (1999) and Hrominchuk (1999) examined and documented the geology, stratigraphy and copper-platinum group element potential of Dana and Crerar townships.

Pour plus d'information concernant la conception et le contenu de cette carte, prière de s'adresser au:

BUREAU DE LA GÉOMATIQUE
Ministère des Transports
301, rue St. Paul, 2S034
St. Catharines, Ontario
L2R 7R4



Scale
1:1,600,000

RACIOT
PROJECT
AREA

GREATER SUDBURY

FIGURE 1

Claims held by: Frank Racicot (705) 691-5920
 Albert Leblanc (705) 967-2794

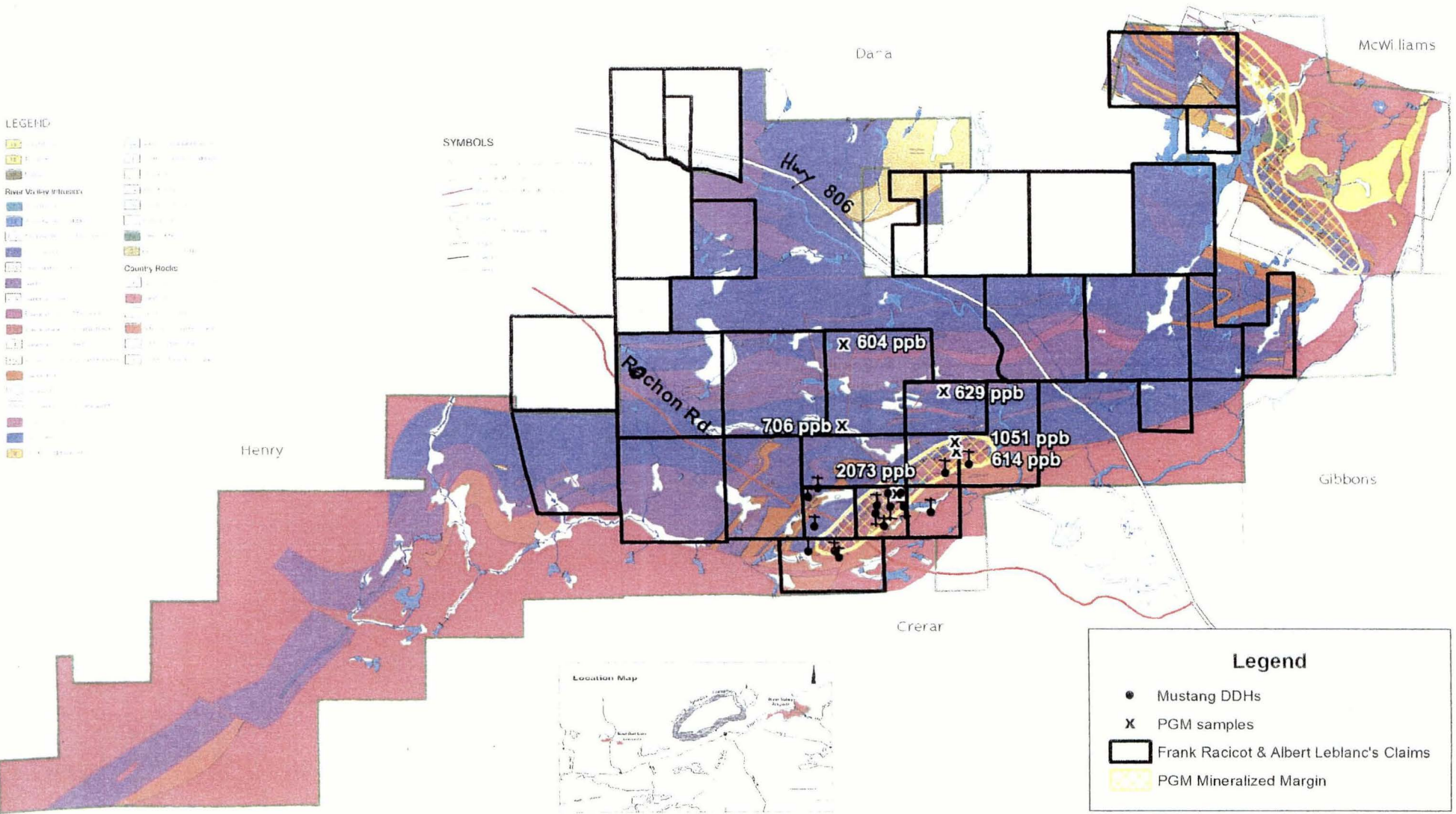


LEGEND

	PGM Mineralized Margin		Mustang DDHs
	PGM Mineralized Margin		PGM samples
	Frank Racicot & Albert Leblanc's Claims		Frank Racicot & Albert Leblanc's Claims
	PGM Mineralized Margin		Frank Racicot & Albert Leblanc's Claims

SYMBOLS

	Mustang DDHs
	PGM samples
	Frank Racicot & Albert Leblanc's Claims
	PGM Mineralized Margin



Legend

	Mustang DDHs
	PGM samples
	Frank Racicot & Albert Leblanc's Claims
	PGM Mineralized Margin

Geology Map Taken From Mustang Minerals 2001 Assessment Report
 FIGURE 1B

In 1999 Mustang Minerals established a grid, mapped the property in more detail and submitted the maps and reports for assessment where some of the maps and research used in this report were obtained.

Mustang's River Valley PGM property is underlain by the River Valley gabbro-anorthosite intrusion and high-grade metasedimentary gneisses of the Grenville Province. Ashwal and Wooden (1989) report that the intrusion is comprised mostly of leuconorite and leucogabbro with lesser anorthosite, mafic and ultramafic phases. More recently however, Easton and Hrominchuk (1999) indicate that the intrusion is dominated (~60% of the surface area) by gabbro, norite, gabbronorite, leucogabbronorite, and leuconorite compositions. True anorthosite forms only 10% of the surface exposures of the intrusion. Minor Cu-Ni-PGM mineralization occurs in the southeast portion of the intrusion (Tomrose Occurrence).

Previous Work

The River Valley Intrusion has been the focus of relatively limited exploration activity over the past 45 years, and the bulk of this work has attempted to locate marginal-type massive copper-nickel sulphide mineralization similar to the Sudbury deposits. However, the intrusion has never been systematically explored for Platinum Group Metals (PGM) associated with disseminated sulphides (e.g. Stillwater and Lac des Iles deposits). Interestingly, it should also be noted that the Sudbury mines have collectively produced in excess of 20 million ounces of PGM as by-product from the nickel-copper ores. Between 1973 and 1996 much of Dana Township was included in the Temagami Land Caution, and was not available for staking. Additionally, historic building stone quarries are present in better preserved portions of the River Valley Intrusion north of the Sturgeon River in Dana Township. These quarries exploited a black anorthosite that is locally known as "Black Granite". Coarse garnet was also extracted from the gneisses in east-central Dana Township just north of the intrusive contact.

Historically, most of the previous exploration work focused on the southeastern contact of the intrusion in Crerar Township located southeast of the claim and is summarized below:

1956: McIntyre Porcupine Mines, Limited completed two diamond drill holes on the Ferguson claims to test quartz veins with associated semi-massive chalcopyrite-pyrite mineralization. The holes totalled 32.6m (107 feet) on historic claim 90348. The best intersection was reported at 25% Cu and 0.01% Ni over 0.61m (2.0 feet).

1960-1962: Tomrose Prospecting Syndicate completed prospecting, rock trenching, character sampling and 113.7m (373 feet) of pack sack drilling. Additionally, a total of 20 pits and trenches were excavated. The best assays from this work included 25% Cu and 8.9 g/t Au (0.26 opt).

1963-1964: Tomrose Mines Limited completed prospecting and 13 diamond drill holes (1 to 9 and 64-10 to 13, inclusive) totalling 1233.83m (4,088 feet). Although no significant assays were reported the drill logs indicated that several drill holes had intersected significant concentrations of sulphides (pyrite, pyrrhotite and chalcopyrite) associated with blue quartz eyes within the intrusion. The holes were drilled on historic claims 52410 and 51682.

1965: Falconbridge Nickel Mines optioned the Tomrose property and completed ground magnetometer and electromagnetic surveys and six diamond drill holes (CRE-1 to 6, inclusive) totalling 331.01m (1086 feet). No significant assays were reported and Falconbridge subsequently dropped the option.

1965: Tomrose Mines Limited, drilled two holes (NE-1 & 2) for a total of 114.00m (374 feet). No assays were reported.

1966: Tomrose Mines Limited, completed one 134.72m (442 feet) diamond drill hole (T66-1). Minor sporadic pyrrhotite, pyrite and chalcopyrite were reported but no assays were submitted.

1966: Azen Mines Limited, staked 10 claim units to the west of the Tomrose claim group and conducted a ground magnetic survey only. No drilling was reported.

1983-1986: Albert Leblanc drilled three holes (1-83, 1-84 and 1-86) for a total of 104.85m (344 feet) on two claim units in the northwest corner of Henry Township. No assay results are available.

1990: Albert Leblanc drilled three holes (90-1 to 90-3) for a total of 403.56m (1324 feet). Only 14 samples were submitted for assay and up to 338ppb PGM was reported. It also appears that Teck Explorations Limited logged the core from at least one hole (DDL-0143; 153.01m). Interestingly, the drill log indicated a 34.78m (114.1 feet) sulphide mineralized section with sulphides ranging from trace up to 4% disseminated pyrrhotite, chalcopyrite and pyrite; however, no assay results were reported.

1994: Albert Leblanc conducted power stripping on three areas under an OPAP Grant. The claims were subsequently optioned by WMC International and formed part of a larger land package that was being assembled at that time.

1994-1996: WMC International Limited, staked and optioned a total of 1541 units covering a large portion of the River Valley Intrusion in an attempt to explore for marginal type Ni-Cu-PGM mineralization. An integrated program of airborne magnetic and electromagnetic geophysical (DIGHEM) surveys, soil and till geochemical surveys, and reconnaissance mapping and sampling was conducted. Several areas of interest were identified within the intrusion; however, no follow up work was performed. The report also confirmed the high PGM potential of the intrusion.

1998-1999: R. Bailey, L. Luhta and R. Orchard discovered two significant PGM prospects (Dana North and Azen Creek zones) associated with the northern contact of the River Valley Intrusion in Dana Township. Interestingly, these claims are situated within the area that was previously included in the Temagami Land Caution. This property was optioned by Pacific Northwest Capital Corporation (PFN) in 1998, and is currently being explored under an option-joint venture agreement (August, 1999) between PFN and Anglo American Platinum Corporation Limited (Amplats). Preliminary results from the 1999 outcrop stripping and detailed sampling programs in the Dana Lake Area have indicated five mineralized zones, which extend over a distance of 780m and are anomalous to highly anomalous (0.25 to 16.0g/t PGM). An average assay value of 376 samples that were collected from the mineralized zones average 2.4g/t PGM, 0.16% Cu and 0.04% Ni. Rhodium averages 0.05g/t, with individual assays ranging up to 0.3g/t.

1999: Mustang Minerals Corp performed a geological prospecting survey on the Tomrose Zone (Albert Leblanc claims) in Crerar Township and several claims in Dana and McWilliams townships. Mustang established a grid and systematically mapped 75 km of the grid at a scale of 1:5000. A total of 452 grab samples were taken with a best assay of 2073 ppb PGM.

2000-2002: Mustang Minerals did several years of mapping, sampling and drilling on the north and south grids between 2000 and 2002 - it located some samples that were in rocks that contained no sulphides and in part were magnetic due to magnetite or ilmenite: some samples contained pyrrhotite and were also magnetic. Some examples of the various types of samples are as follows:

Sample 35162- Coarse grained to pegmatitic gabbro-norite- no sulphides-rusty, 10-15% magnetite- **1122 ppb PGE's**
Sample 35164(?)- Coarse, magnetic, rusty, crumbly olivine gabbro-norite- **1465 ppb PGE's**

Sample 35522- Olivine bearing gabbronorite with grains of illmenite- **8376 ppb PGE's**
Sample 56861- Medium grained leucogabbro with no sulphides- **2073 ppb PGE's**
Sample 20849- Olivine melanogabbronorite- 1% cp/po- strongly magnetic- **2068 PGE's**

As a result of the drilling in the north zone, some very anomalous PGM values (up to 9.15 g/t PGM's and 1.7 g/t Rh) were located in the olivine gabbronorite close to or within the Chaotic zone northeast of the project area. The mineralization is sulphide-poor, and distinct from that hosted by the Chaotic Zone. When one reviews the geology map produced by Mustang it is possible to see other olivine gabbronorites further away from the contact. Thus- it is possible that there are indeed additional olivine gabbronorites further away from the Chaotic zone contact- which in turn could host anomalous PGMs.

The drilling in the north grid also located a second stratigraphically and geochemically distinctive style of mineralization in the cyclically layered Main Series, which overlies the Chaotic Zone. This mineralization is Cu and Pt rich, and associated with relatively homogeneous gabbronorites. These homogeneous gabbronorites are also located further away from the contact.

Drilling results in the south grid in Crerar township, some of which was in the area near where the 2013 stripping took place, more or less obtained similar geological results and lower PGE values.

Interestingly- even though the mapping clearly indicated that the units had an azimuth of approximately 045 to 060 degrees, all of the drill holes in the south grid had an azimuth of either 180 or 360 degrees.

Prospecting Targets

Palladium, platinum and to a lesser extent gold are the 3 main commodities sought. Collectively they are referred to as the Platinum Group Elements (PGM's). Some of the work done by Mustang Minerals in the early 2000's found samples in the area with high values of Rhuthenium.

The price of the PGM elements has increased markedly since 2002 when Mustang Minerals did most of their latest work in the area. Some of the surface showings on the Racicot/Leblanc claims also have high copper values- which could help enhance any successfully located PGM targets.

Project Rational

A program was designed to strip, sample and map several areas of the chaotic breccia zone located near the southern edge of the River Valley Intrusive (Figure 1C). Based on a Mustang Minerals report dated Oct. 20, 2002, the chaotic zone was the only stratigraphic unit that consistently carried PGE-enriched mineralization.

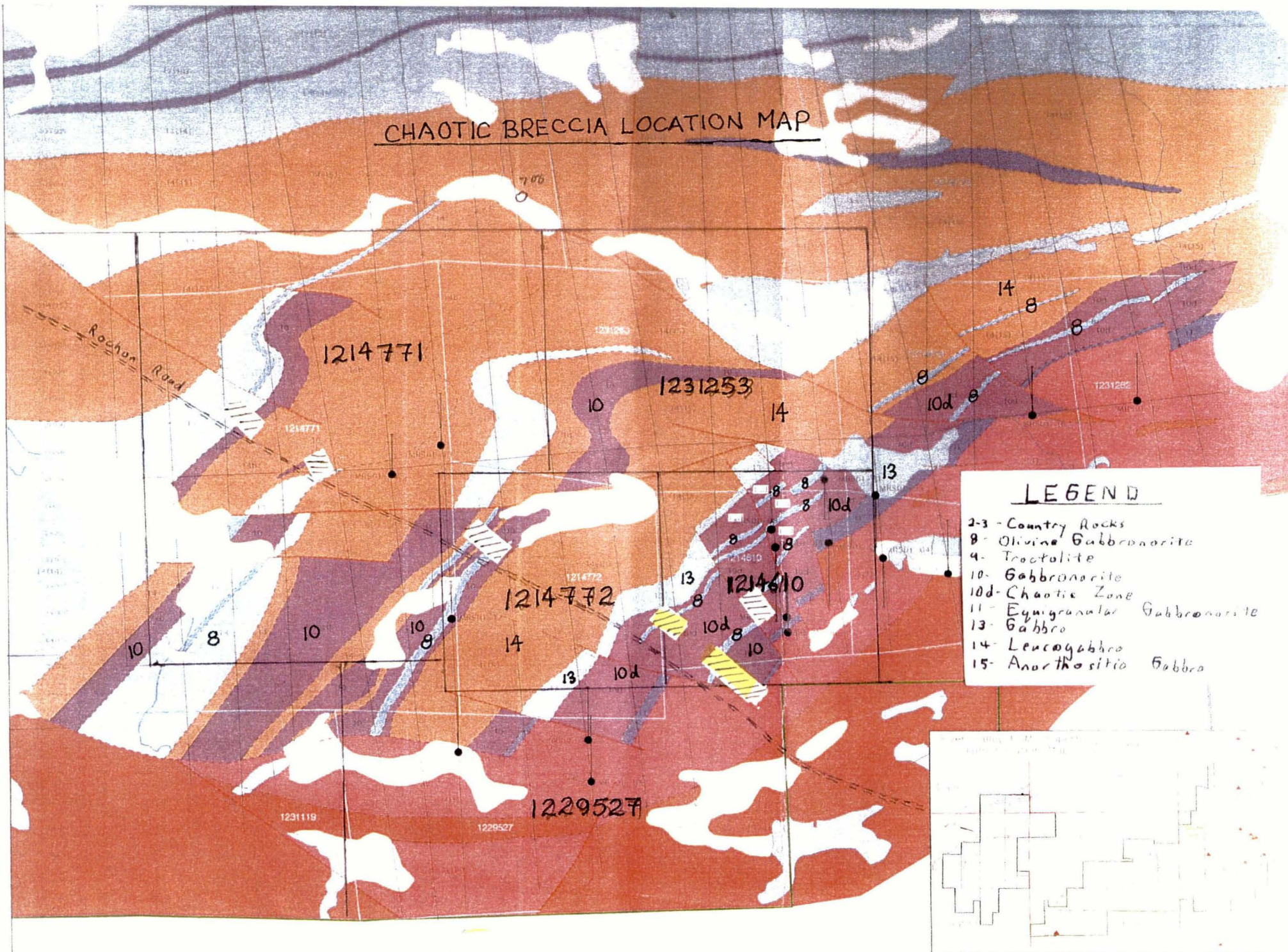
The chaotic breccia zone consists mainly of mafic to ultramafic inclusions in a variably textured gabbronorite matrix and has a true estimated width of 50-150m on the north grid and...possibly more on the south grid. It was found that most of the PGEs within the chaotic zone were related to sulphide mineralization; the mineralization consists of fine disseminated to coarse blebs of chalcopyrite, pyrrhotite and minor pentlandite within the matrix and the inclusions.

Exploration Strategy and Results

Prior to doing the stripping two days were spent doing some reconnaissance prospecting of claim 1214610 thanks, in part to some logging roads established in the area after Mustang Minerals completed their evaluation of the property. The purpose of obtaining these samples was to locate an additional area suitable to strip. A total of 20 samples were obtained on July 20th and an additional 10 samples were obtained on August 3rd. The location and description of these samples from both of those sampling days will be included with the detailed assay report. The values of those samples are in the AGAT report in the appendix.

Four trench areas were uncovered as a result of the 2013 stripping program and from west to east were called Zone A,B,C and D (see Figure 1A). Zone A was located in claim 1214772, while Zones B,C and D were located to the east in claim 1214610. The areas selected to strip were chosen based on the Mustang map that showed the geology

CHAOTIC BRECCIA LOCATION MAP



LEGEND

- 2-3 - Country Rocks
- 8 - Olivine Gabbro
- 4 - Troctolite
- 10 - Gabbro
- 10d - Chaotic Zone
- 11 - Equigranular Gabbro
- 13 - Gabbro
- 14 - Leucogabbro
- 15 - Anorthositic Gabbro

FIGURE 1C

striking to the northeast and in part where some historic and recent assay values indicated there was anomalous PGE values.

Zone A did not uncover the expected chaotic breccia zone or any rusty areas with sulphides worthy of sampling and assaying although the area was washed and mapped (Figure 2).

Zone B was done along the ditch of a newly established logging road and only uncovered limited rusty pods: a few of these pods had been sampled during the reconnaissance prospecting and a best value of 493 ppb was obtained. As a result it was decided to spend most of the time stripping and sampling two areas later referred to as Zone C and D.

The chaotic zone which is the main unit which historically was reported to host the PGE mineralization was excellently uncovered in zones C and D.

A schematic geology sketch was done of the stripped areas in zones C and D and a total of 176 samples were cut and sent in for assay. It was often necessary to do channel cuts of the rocks to assist in identifying the rock type as many, if not most of the uncovered outcrops were flat and had few exposed edges to break off and examine properly. The channel cuts also assisted in obtaining a better look at the texture and sulphide content.

A separate assessment report will be sent in with the sample locations and assay results once the results are received. Samples were taken in sulphide bearing and non sulphide bearing rocks in order to obtain a true idea of the PGE distribution.

C Zone

This area was stripped, mapped and samples based on the results of some of the preliminary prospecting results (Figure 3, 4 and 5). Two areas were uncovered- the west zone which was immediately next to the road and the east zone which was higher up. Based on the stripping and mapping a better understanding of the chaotic zone was obtained. There were at least three types of exotic inclusions located in this section of the chaotic zone- especially on the east portion of the C zone. The term xenoliths is at times used instead of inclusions and it is often difficult to see a distinct contact of the various inclusions.

Specifically there were rounded inclusions of medium grained melagabbro in a coarse grained to pegmatitic gabbro matrix. There were also inclusions of rusty melagabbro with disseminated sulphides and a few gabbroic inclusions that appeared to maintain some of the original intrusive layering. A total of 72 samples were taken from the C zone.

D Zone

The D zone is located about 100 meters east of the C zone and was done because of some nearby anomalous PGE values. The D zone was broken up into four separate map areas due to the location of a logging road and the apparent width of the chaotic zone.

The largest chaotic zone with inclusions and sulphides was the east and west zone (Figure 6). Two smaller sections of the D zone, the north and south zone were also mapped and sampled (Figure 7 and 8).

The D zone was similar to the C zone although there appeared to be more rusty and larger rusty inclusions/pods. There was also an 8 cm sulphide inclusion included with sample 27440. This may be a small sulphide inclusion that got caught up with the other inclusions and could possibly represent an inclusion that was ripped away from a bigger massive sulphide body at depth. A total of 103 samples were taken from the various sections of the D zone.

9, CON 5

1231253

12

557000 E

558000 E

Aug 3rd
Traverse

FRR-6,7

FRA-9

FRR-8

FRA-4

FRR-5

FRA-1,2,3

MB-20

FRR-10

MB-8,9

MB-6,7

MB-4,5

MB-3

1214772

1214610

516000 N

122

LY

July 19
Traverse

MB-1

MB-2

MB 14, 15

MB 16, 17, 18,

MB-10

MB-11

MB-12A

MB-12B

MB-14

MB-13

LOT 8, CON 4

LOT 7, CON 4

9, CON 4

1229527

5159000 N

— July 19 Traverse route for
Frank Racicot & Mika Bowles

— Aug 3 Traverse route for
Frank Racicot & Albert Lablanc

Scale 1:10,000

No.	Date	Claim	Easting	Northing	Description
MB-1	Jul-19	1214772	557768	5160042	Quartz pod with 80% quartz, 19% feldspar and 1% mafic minerals
MB-2	Jul-19	1214772	557933	5160045	Coarse grained, slightly rusty leucogabbro/anorthosite
MB-3	Jul-19	1214772	557956	5160073	Coarse grained, leucogabbro/anorthosite
MB-4	Jul-19	1214772	558027	5160138	Medium to coarse grained dark anorthosite
MB-5	Jul-19	1214772	558048	5160135	As above but with 1/2 cm red crystals
MB-6	Jul-19	1214772	558042	5600152	Medium to coarse grained light green and grey anorthosite
MB-7	Jul-19	1214772	558045	5600150	Medium grained to coarse grained brownish grey leucogabbro
MB-8	Jul-19	1214772	558039	5160171	As above
MB-9	Jul-19	1214772	588032	5160181	No description
MB-10	Jul-19	1214772	557922	5159837	Medium grained, dark grey melagabbro
MB-11	Jul-19	1214772	557967	5159823	Medium to fine grained, light green leucogabbro
MB-12A	Jul-19	1214772	557976	5159828	Medium grained, light and dark green, magnetic gabbro with tr py MG, dark grey, magnetic, rusty, gabbro with 1/4 % cp; 1 m wide @
MB-12B	Jul-19	1212772	558004	5159820	040 deg
MB-13	Jul-19	1214772	558010	5159813	Medium grained, light grey and olive green anorthosite; slty magnetic
MB-14	Jul-19	1214772	558030	5158825	As above but more rusty and more rotten
MB-15	Jul-19	1214772	558035	5159825	Similar to MB-13
MB-16	Jul-19	1214772	558058	5159830	Medium grained, rusty, dark, magnetic gabbro with 1/2% py
MB-17	Jul-19	1214772	558058	5159832	Similar to above- but less rust
MB-18	Jul-19	1214772	558077	5159831	Medium to coarse grained, dark grey with 60% weathering mineral
MB-19	Jul-19	1214772	558206	5159810	Medium to coarse grained grey-green gabbro
MB-20	Jul-19	1214772	458373	5160356	Medium grained, 70% dark grey, weakly magnetic gabbro with tr py

No.	Date	Claim	Easting	Northing	Description
FRR-1	Aug-03	1214610	558402	5160318	Medium grained (MG), 70% dark grey, weakly magnetic gabbro with tr py
FRR-2	Aug-03	1214610	558411	5160312	Medium grained, dark grey, moderately rusty gabbro; some sulphides
FRR-3	Aug-03	1214610	558513	5160367	MG to CG rusty gabbro with 1-2% (po 70 cp30) sulphides
FRR-4	Aug-03	1214610	558513	5160367	Similar to above but 2-4% sulphides
FRR-5	Aug-03	1214610	558471	5160406	MG to CG greenish grey gabbro with 'worm hole texture': east of road
FRR-6	Aug-03	1214610	558458	5600403	MG, greenish grey, non magnetic, moderately rusty gabbro: west of road
FRR-7	Aug-03	1214610	558460	5600418	MG, grey and green gabbro; trace po/cp: west of road
FRR-8	Aug-03	1214610	558450	5160442	MG to CG dark grey, variably magnetic gabbro with spotty patches
FRR-9	Aug-03	1214610	558456	5160478	Medium grained, dark grey, weakly magnetic gb; tr py; E of road
FRR-10	Aug-03	1214610	558373	5160356	Medium grained, dark grey, spotted, mod. magnetic gb; tr py; E of road

	Aug-03	Aug-05	Aug-06	Aug-07	Aug-08	Aug-09	Aug-10	Aug-11	Aug-12	Aug-13	Aug-14	Aug-15	Aug-16	Aug-17	Aug-18	Aug-19
Albert Leblanc	Prospect with F. Racicot (see map)				Supervise Stripping	Supervise Stripping & Trench washing	Supervise Stripping & or Trench washing	Supervise Stripping	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing	Supervise Stripping & Trench washing

Ted Lang										Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches
Bruce Pigeon									Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches
Denis Leblanc									Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Power Wash Trenches

Excavator Link Belt 210	Operator TJ Thomas			5.5 hours	8 hours	10 hours	6.5 hours	9 hours	9 hours							
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	Aug-20	Aug-21	Aug-22	Aug-23	Aug-24	Aug-25	Aug-26	Aug-27	Aug-28	Sep-01	Sep-03	Sep-04	Sep-05	Sep-06	Sep-07	Sep-08
Albert Leblanc			Supervise Stripping	Supervise Stripping	Supervise Stripping	Supervise Stripping & washing	Supervise Stripping & washing	Supervise Stripping & washing	Supervise Stripping							
Excavator Link Belt 210/ TJ Thomas Operator			4 hours	4 hours (+ 1.5 hours *)	(* denotes credit for on site work)	8 hours	7 hours	7 hours		Total						
										79.5 hrs						

Ted Lang	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc					Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc	Cut Channel Samples plus Misc
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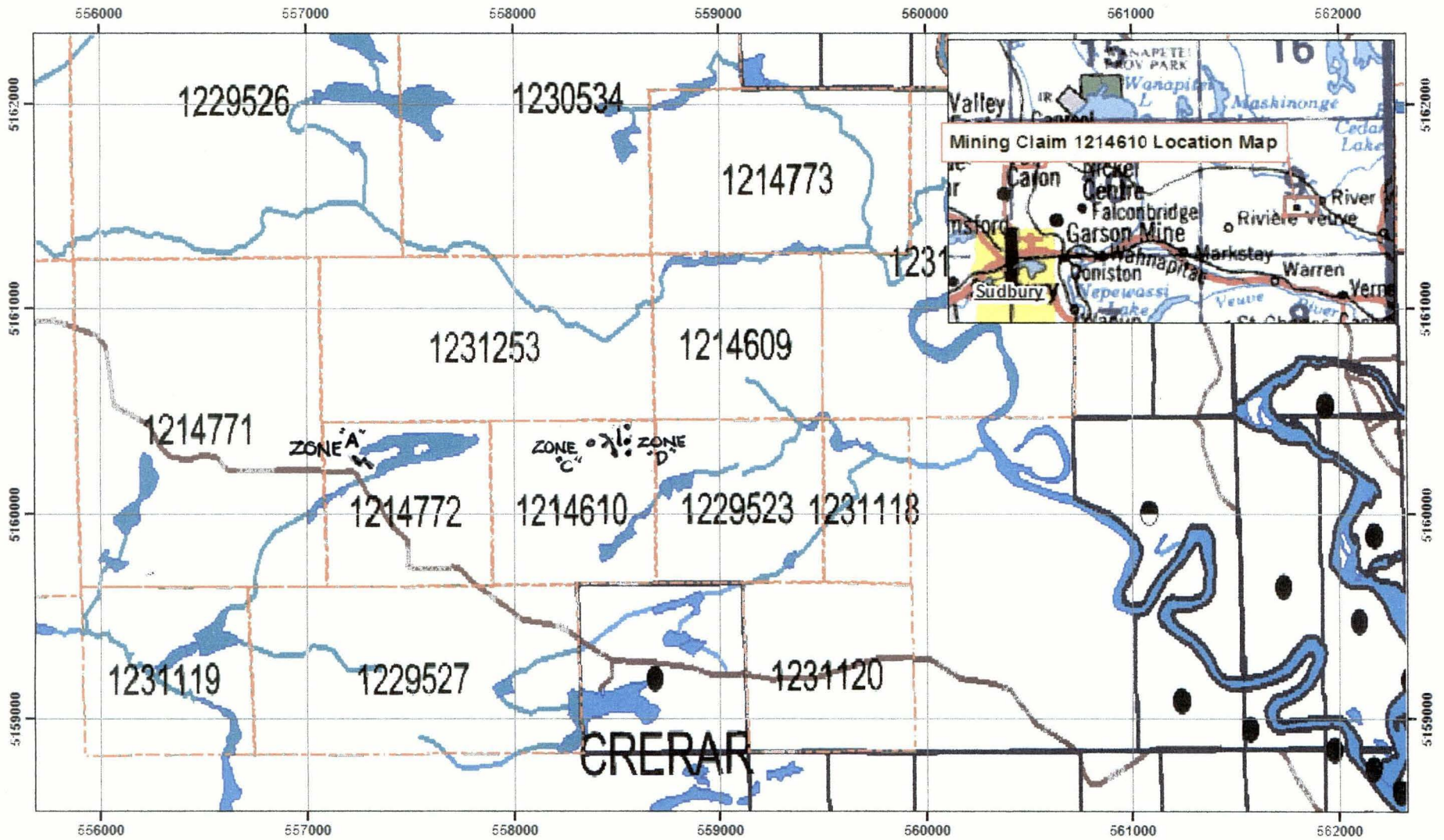
Wally Collins								Cut Samples								
Brian Evans					Assist Geologist											

Trevor Goulais										Cut & bag samples				Cut & bag samples	Cut & bag samples	
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Bruce Pigeon						Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Bag samples (1/2 day)							
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Denis Lablanc						Power Wash Trenches	Power Wash Trenches	Power Wash Trenches	Assist Geologist (1/2 day)							
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FIGURE 1A



Mining Claim 1214610
River Valley Property

Crerar Township
Ontario Province
NTS 41P/09

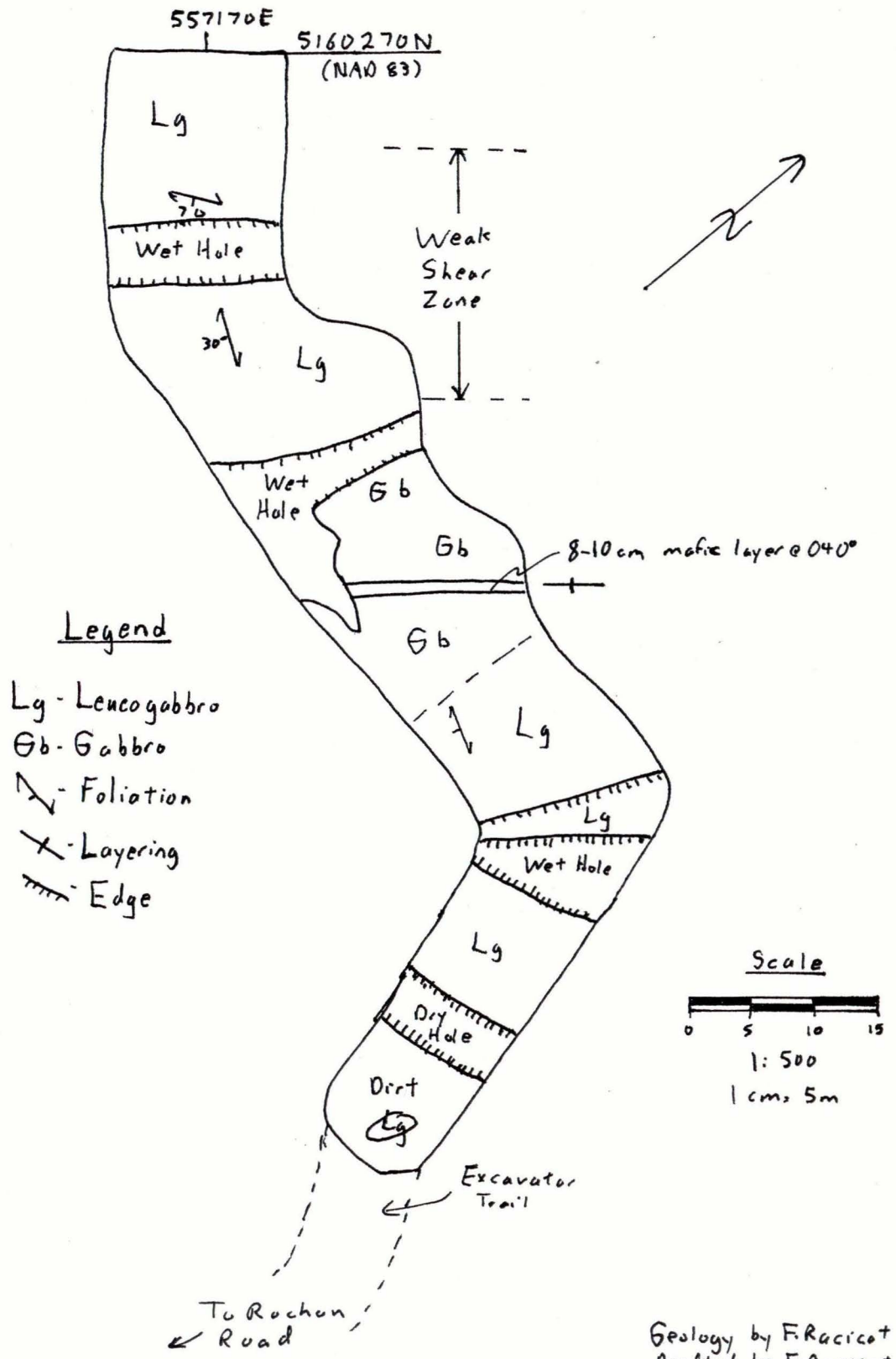
September, 2013



NAD 83 - ZONE 17N

FIGURE 1A

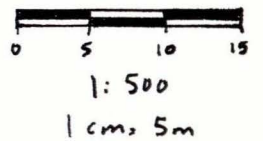
Schematic Geology For Zone A - Claim 1214772



Legend

- Lg - Leucogabbro
- Gb - Gabbro
- ↘ - Foliation
- X - Layering
- ▨ - Edge

Scale



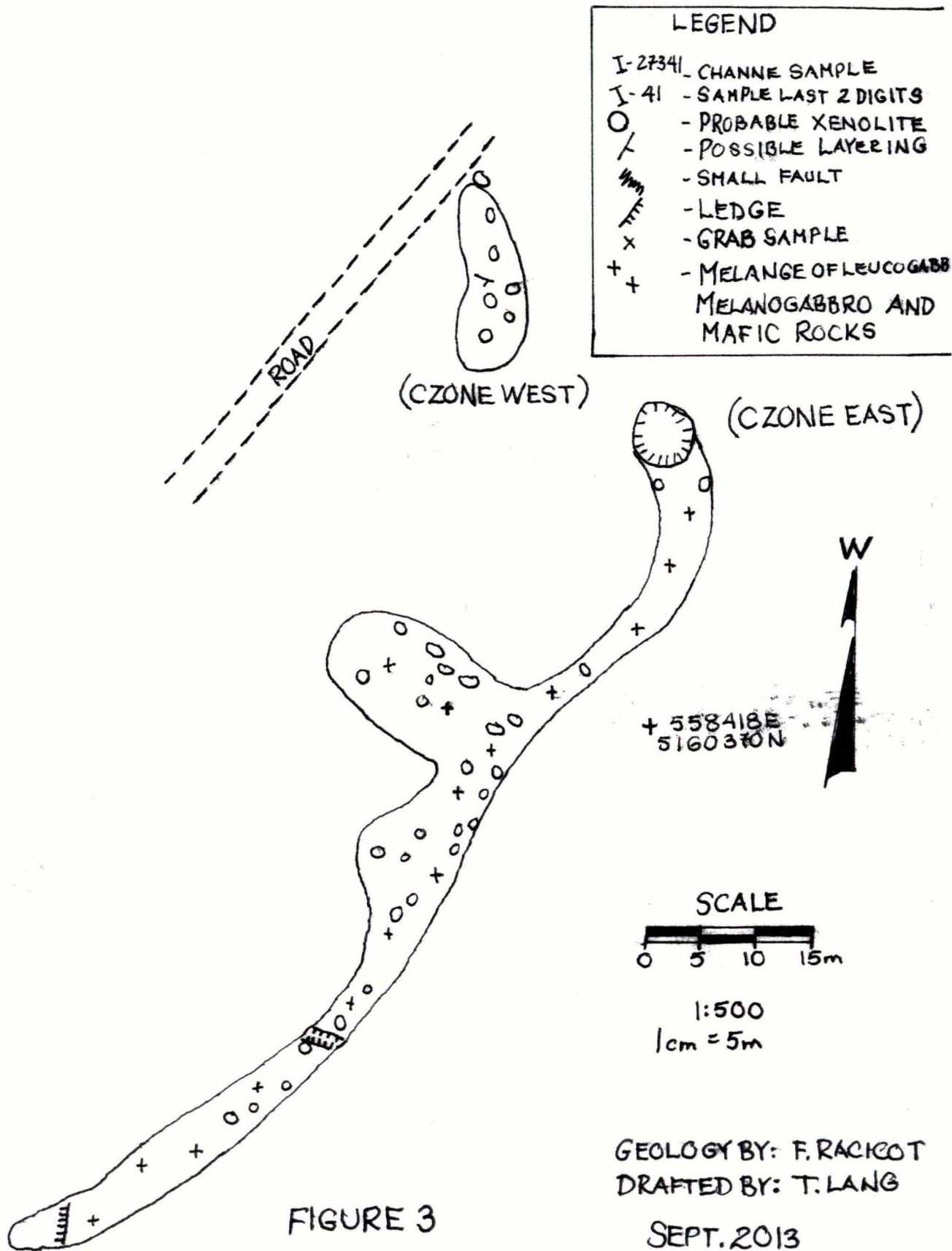
Geology by F. Racicot
 Drafted by F. Racicot
 sept/23/13

Figure 2

SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA

FOR C ZONE

CLAIM 1214610



CHANNEL SAMPLE LOCATIONS FOR C ZONE (EAST)

CLAIM 1214610

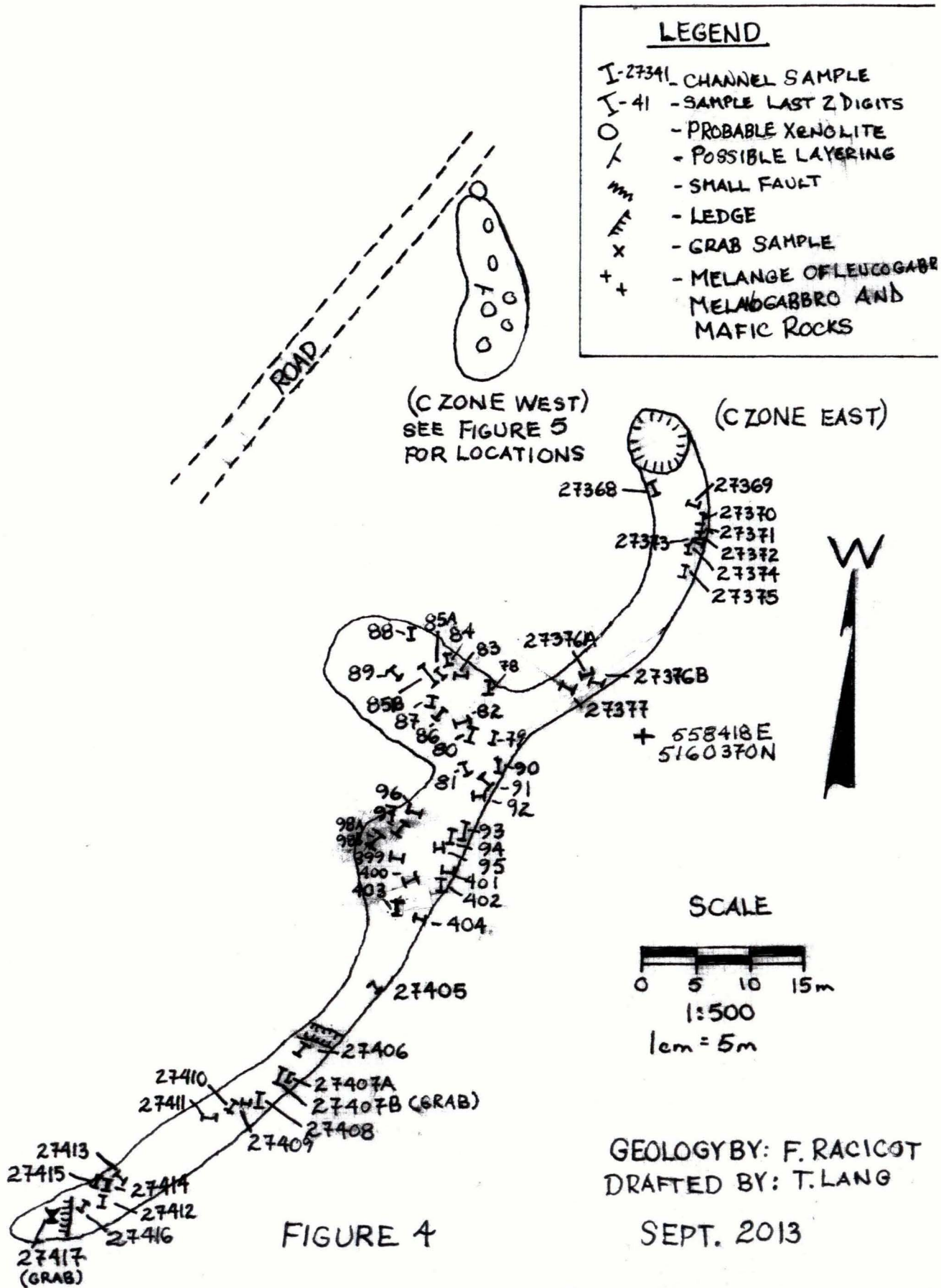
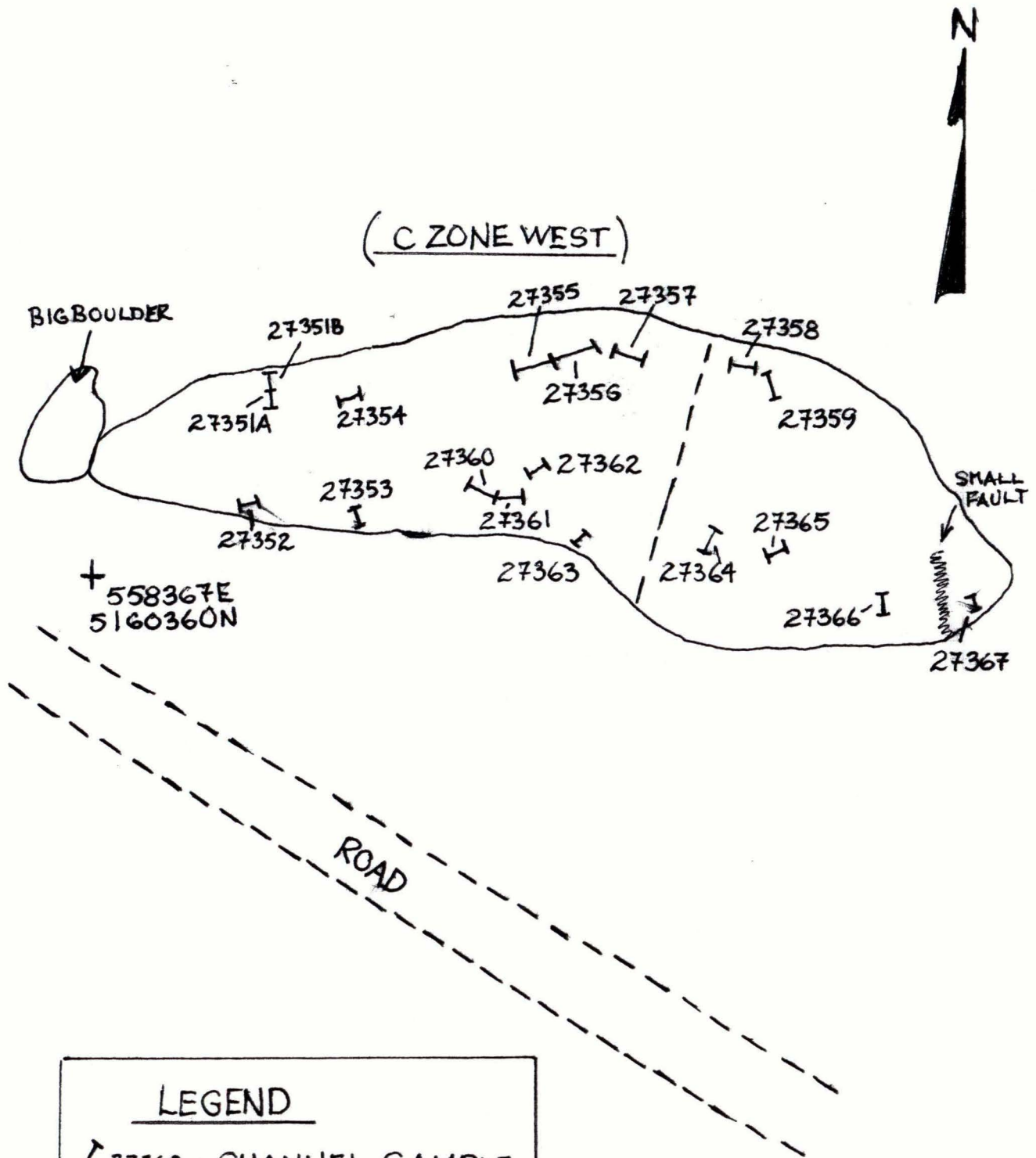


FIGURE 4

SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA

AND CHANNEL SAMPLE LOCATIONS FOR C ZONE

CLAIM 1214610



LEGEND

I-27360 - CHANNEL SAMPLE

~~~~~ - FAULT

- - - - - POSSIBLE CONTACT

SCALE

0 1 2 3m

1:100

FIGURE 5

GEOLOGY BY: F. RACICOT  
DRAFTED BY: T. LANG

SEPT. 2013



SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND  
CHANNEL SAMPLE LOCATIONS FOR D ZONE (NORTH)

CLAIM 1214610

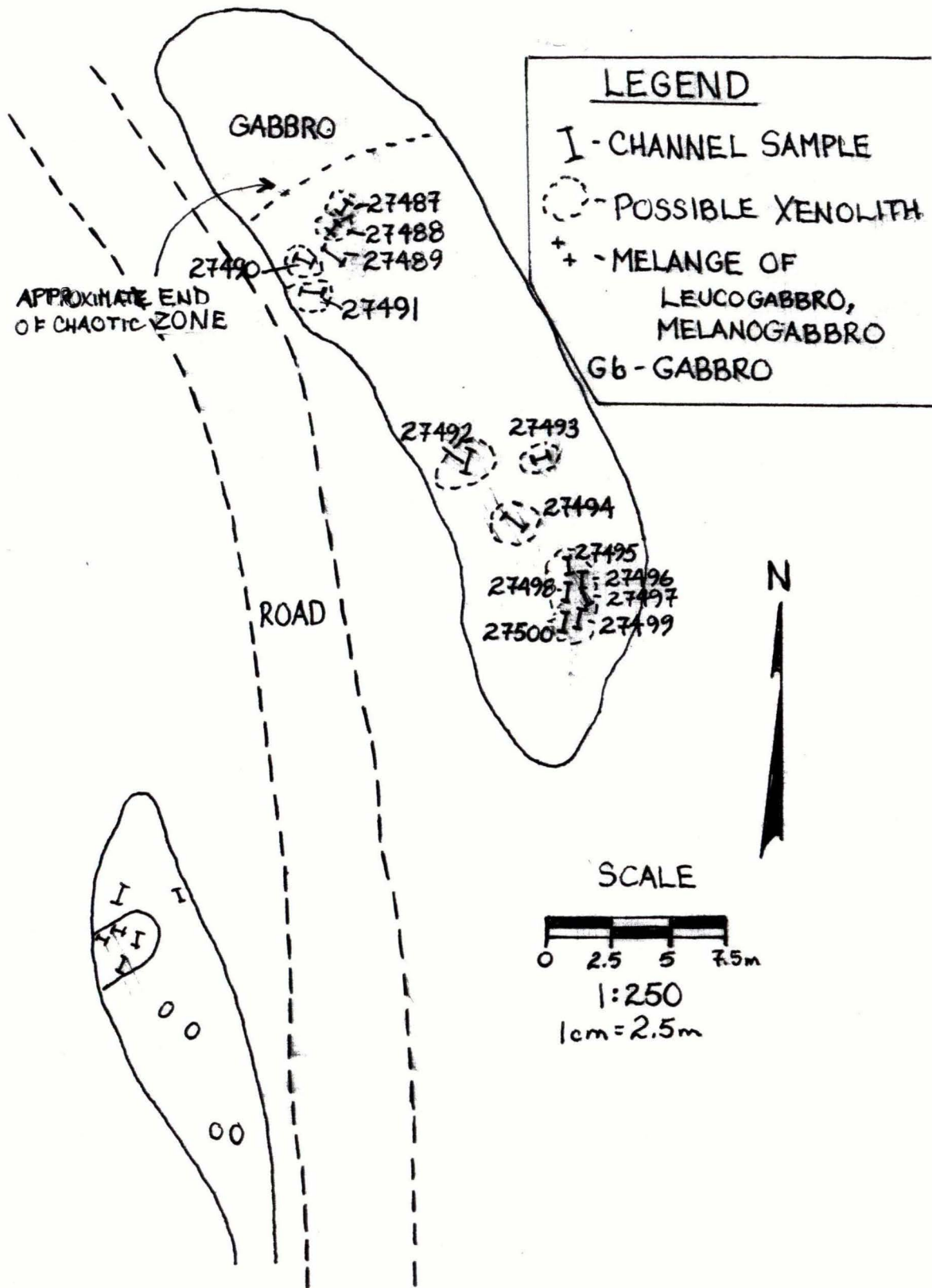


FIGURE 7

GEOLOGY BY: F. RACICOT  
DRAFTED BY: T. LANG  
SEPT. 2013

SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND

CHANNEL SAMPLE LOCATIONS FOR 'D ZONE

CLAIM 1214610

(D SOUTH ZONE)

LEGEND

- I - CHANNEL SAMPLE
- - POSSIBLE XENOLITH
- + - MELANGE OF LEUCOGABBRO  
MELANOGABBRO AND/OR  
MAFIC ROCKS

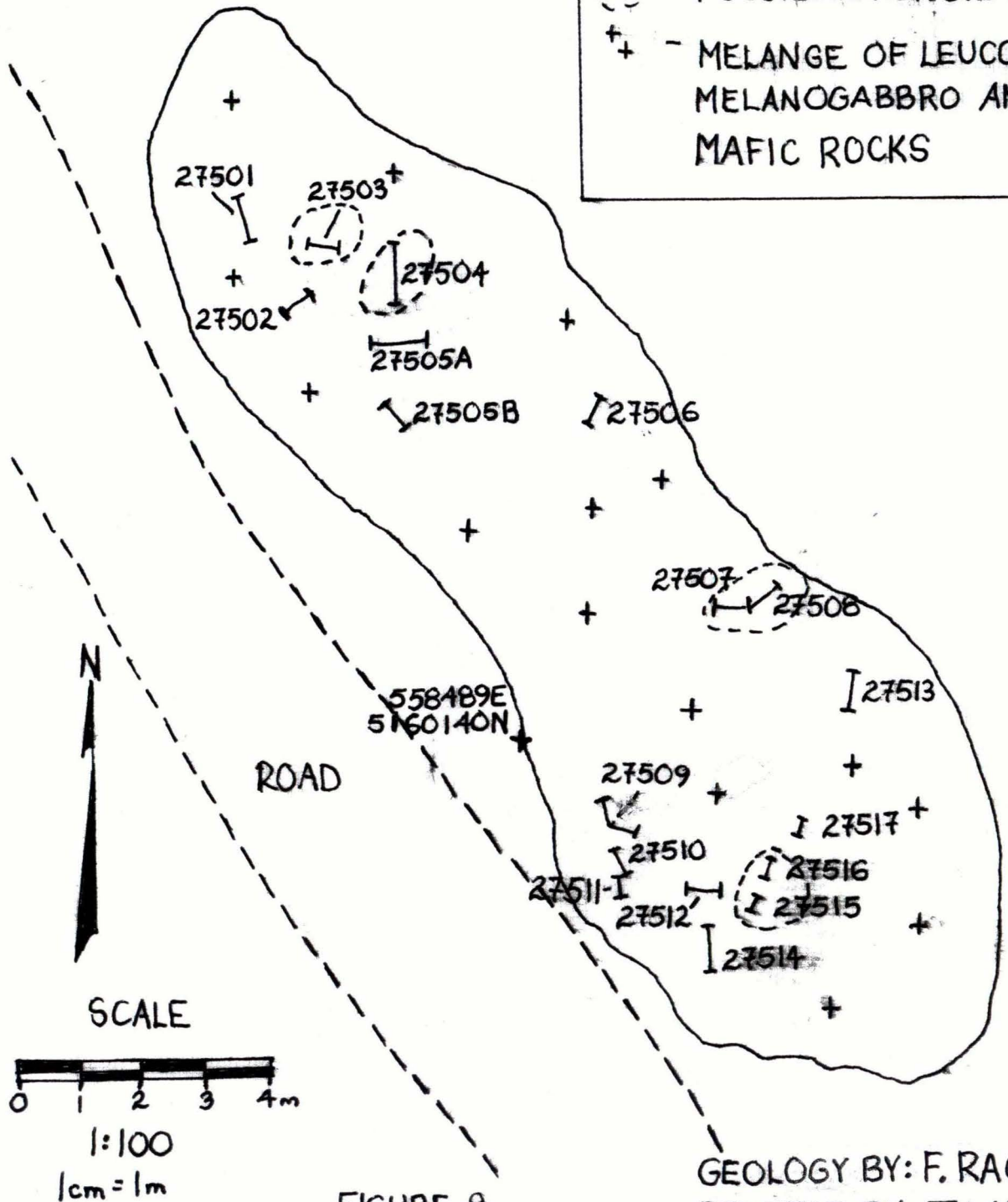


FIGURE 8

GEOLOGY BY: F. RACICOT  
DRAFTED BY: T. LANG  
SEPT. 2013

Description of River Valley Trench Samples by F. Racicot: Crerar Twp; August 2013

| No.    | Area   | Width<br>(cm) | Easting | Northing | Description of River Valley Trench Samples by F. Racicot: Crerar Twp; August 2013                                                                                                   |
|--------|--------|---------------|---------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |        |               |         |          | MG (Medium Grained) med green sulfide + med gray Gb (Gabbro) with green chlorite                                                                                                    |
| 27351A | C West | 36            | 558375  | 5160363  | clots; weakly magnetic                                                                                                                                                              |
| 27351B | C West | 49            | 558375  | 5160363  | As above but med rusty, extension of above sample, weakly magnetic                                                                                                                  |
| 27352  | C West | 37            | 558375  | 5160363  | As above with 1% cp and trace po? with possible asp speck                                                                                                                           |
| 27353  | C West | 52            | 558375  | 5160363  | As above with rusty surface + 2-3% sulfide as individual clots                                                                                                                      |
| 27354  | C West | 37            | 558375  | 5160363  | MG-CG (Coarse Grained) black An (Anorthosite) with rusty surface + fractures                                                                                                        |
| 27355  | C West | 84            | 558375  | 5160363  | As above with few po(cp) blebs                                                                                                                                                      |
| 27356  | C West | 57            | 558375  | 5160363  | As above but 1/4% po                                                                                                                                                                |
| 27357  | C West | 97            | 558375  | 5160363  | As above but with cp/po "blebs" on surface of feldspar crystals                                                                                                                     |
| 27358  | C West | 78            | 558375  | 5160363  | MG dark grey An but very rusty throughout                                                                                                                                           |
| 27359  | C West | 90            | 558375  | 5160363  | 1/4 as above: 3/4 MG-FG gy + green An                                                                                                                                               |
| 27360  | C West | 62            | 558375  | 5160363  | MG-CG dk gy green Gb/An; some rust; trace sulfides                                                                                                                                  |
| 27361  | C West | 61            | 558375  | 5160363  | MG-FG gy green gabbro plus black feldspar clots                                                                                                                                     |
| 27362  | C West | 42            | 558375  | 5160363  | MG-CG dk green black An; moderately rusty; trace sulfides                                                                                                                           |
| 27363  | C West | 60            | 558375  | 5160363  | MG-FG dk green black An                                                                                                                                                             |
| 27364  | C West | 70            | 558375  | 5160363  | As above with with 1 cm po clot with minor cp                                                                                                                                       |
| 27365  | C West | 32            | 558375  | 5160363  | MG-FG green-grey-black with mottled texture; moderate rust on surface and in fractures<br>Similar to above on cut surface but MG dk gy on fresh surface, minor sulfides + trace po; |
| 27366  | C West | 58            | 558375  | 5160363  | blue qtz eyes; moderately rusty on surface                                                                                                                                          |
| 27367  | C West | 44            | 558375  | 5160363  | Medium grained, very rusty, very magnetic, dark gabbro                                                                                                                              |
| 27368  | C East | 38            | 558400  | 5160370  | MG, gy and dark with nodular texture; minor blebs of po(cp); very magnetic                                                                                                          |
| 27369  | C East | 86            | 558400  | 5160370  | As above: no sulfides                                                                                                                                                               |
| 27370  | C East | 57            | 558400  | 5160370  | MG-CG black An; some sulfides, rusty; some blue qtz; minor 1/4 cp/po mod magnetic                                                                                                   |
| 27371  | C East | 67            | 558400  | 5160370  | As above                                                                                                                                                                            |
| 27372  | C East | 62            | 558400  | 5160370  | MG-CG gy An; very magnetic; slightly rusty<br>30% FG- dk gy, non magnetic unit: 70% MG-CG light gy magnetic An with trace sulfides                                                  |
| 27373  | C East | 69            | 558400  | 5160370  | cp/po                                                                                                                                                                               |
| 27374  | C East | 55            | 558400  | 5160370  | MG-CG light gy, magnetic An with trace cp/po                                                                                                                                        |
| 27375  | C East | 44            | 558400  | 5160370  | MG-CG weakly magnetic, dk gy An                                                                                                                                                     |

|               |    |        |         |                                                                                         |
|---------------|----|--------|---------|-----------------------------------------------------------------------------------------|
| 27376A C East | 78 | 558400 | 5160370 | MG med grey 'nodular' An; moderately magnetic; moderately rusty                         |
| 27376B C East | 79 | 558400 | 5160370 | MG med grey 'nodular' An; moderately magnetic; moderately rusty                         |
| 27377 C East  | 25 | 558400 | 5160370 | FG-MG, medium to dark grey gabbro                                                       |
| 27378 C East  | 40 | 558400 | 5160370 | 1/2-1% (po90cp10) in MG dk, magnetic Gabbro/Norite                                      |
| 27379 C East  | 64 | 558400 | 5160370 | MG, dark grey, magnetic, melocratic gabbro with some mafic clots and minor garnets      |
| 27380 C East  | 78 | 558400 | 5160370 | MG, dark gy, clotty, slightly rusty, rotten gabbro: minor serpentine in fractures       |
| 27381 C East  | 55 | 558400 | 5160370 | As above but rusty and very magnetic; 1/4% cp and po in 1 peice                         |
| 27382 C East  | 49 | 558400 | 5160370 | As above but no sulfides                                                                |
| 27383 C East  | 50 | 558400 | 5160370 | As above with minor sulfides                                                            |
| 27384 C East  | 45 | 558400 | 5160370 | As above: no visible sulfides                                                           |
| 27385A C East | 55 | 558400 | 5160370 | MG-CG; grey, fresh looling gabbro: hand sample                                          |
| 27385B C East | 53 | 558400 | 5160370 | rare speck sulfide in MG dk gy malagabbro; weakly magnetic                              |
| 27386 C East  | 54 | 558400 | 5160370 | Medium grained, medium gy, non magnetic diorite                                         |
| 27387 C East  | 46 | 558400 | 5160370 | Medium grained, rusty, dark gy, very magnetic mela gabbro; trace sulphides              |
| 27388 C East  | 50 | 558400 | 5160370 | trace sulfides in MG-CG, medium to light grey gabbro                                    |
| 27389 C East  | 49 | 558400 | 5160370 | up to 1-2% (po80cp20) in MG dk gy and greenish gy magnetic Gb                           |
| 27390 C East  | 62 | 558400 | 5160370 | MG, med to dk gy, moderately magnetic, rusty Gb with trace sulfides                     |
| 27391 C East  | 18 | 558400 | 5160370 | MG, medium to light grey, non magnetic gabbro                                           |
| 27392 C East  | 23 | 558400 | 5160370 | Similar to above but no rust; extension of sample 27391                                 |
| 27393 C East  | 24 | 558400 | 5160370 | MG dk gy, magnetic Gb with 1/2-1% (po90cp10) (hand sample)                              |
| 27394 C East  | 55 | 558400 | 5160370 | Combination sample: MG diorite and CG, dk gy, rusty gabbro with trace sulphides         |
| 27395 C East  | 64 | 558400 | 5160370 | MG, dark grey, 'spotted', moderate rusty melano gabbro                                  |
| 27396 C East  | 36 | 558400 | 5160370 | MG-CG: As above very magnetic: minor sulphides                                          |
| 27397 C East  | 40 | 558400 | 5160370 | As above: very magnetic                                                                 |
| 27398A C East | 46 | 558400 | 5160370 | As above but moderately rusty and hematitic; slightly magnetic; some specs of sulphides |
| 27398B C East | 40 | 558400 | 5160370 | As above but rare sulfides                                                              |
| 27399 C East  | 64 | 558400 | 5160370 | MG-CG slightly rusty, very magnetic Gb                                                  |
| 27400 C East  | 18 | 558400 | 5160370 | MG, medium greenish gy, non magnetic Gb; no sulphides and trace garnets                 |
| 27401 C East  | 14 | 558400 | 5160370 | MG-CG, very magnetic, very rusty gabbro                                                 |
| 27402 C East  | 55 | 558400 | 5160370 | Combination cut: 30 cm of MG-FG diorite and 25 cm MG-CG rusty Gb                        |
| 27403 C East  | 70 | 558400 | 5160370 | MG-CG rusty med gabbro with 2% (po70cp30); strongly magnetic in places                  |



|               |      |        |         |                                                                                                                                             |
|---------------|------|--------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 27404 C East  | 62   | 558400 | 5160370 | As above: more sulfides to south; hand sample                                                                                               |
| 27405 C East  | 52   | 558400 | 5160370 | MG-FG light gy qtz diorite                                                                                                                  |
| 27406 C East  | 86   | 558400 | 5160370 | MG-CG dk gy, rusty with minor sulfides; extra cuts                                                                                          |
| 27407 C East  | 90   | 558400 | 5160370 | 2-3% (cp60po40) in MG, dk gy, slightly rusty, magnetic Gb: cp along fractures                                                               |
| 27407B C East | Grab | 558400 | 5160370 | MG-FG rusty, moderately magnetic diorite                                                                                                    |
| 27408 C East  | 42   | 558400 | 5160370 | 2% (cp20po80) in MG, dk gy, slightly magnetic Gb with 1% blue quartz eyes; some biotite                                                     |
| 27409 C East  | 76   | 558400 | 5160370 | As above but trace sulfides, moderately rusty; very magnetic                                                                                |
| 27410 C East  | 43   | 558400 | 5160370 | MG, dark grey, moderately rusty, magnetic Gb with trace sulphides                                                                           |
| 27411 C East  | 28   | 558400 | 5160370 | MG-FG, dark grey, slightly rusty, mod magnetic Gb with 2-3% blue qtz and 1% biotite                                                         |
| 27412 C East  | 43   | 558400 | 5160370 | MG, dk gy, slightly magnetic Gb: very hard (clinky sound)                                                                                   |
| 27413 C East  | 44   | 558400 | 5160370 | MG-FG med gy qtz diorite; slightly magnetic                                                                                                 |
| 27414 C East  | 29   | 558400 | 5160370 | As above with trace sulfides                                                                                                                |
| 27415 C East  | 23   | 558400 | 5160370 | As above with trace sulfides                                                                                                                |
| 27416 C East  | 46   | 558400 | 5160370 | MG dk gy, very magnetic Gb with trace sulfides; (cp/po)                                                                                     |
| 27417 C East  | Grab | 558400 | 5160370 | MG dk rusty Gb: 1/4 % sulphides: North edge of trench<br>MG-CG, dk gy, rusty, very magnetic gabbro with well developed feldspar Xtals; some |
| 27418 D West  | 38   | 558455 | 5160485 | biotite and < 1/4% cp                                                                                                                       |
| 27419 D West  | 83   | 558455 | 5160485 | Similar to above but trace sulphides                                                                                                        |
| 27420 D West  | 94   | 558455 | 5160485 | Rock as above but with 5-8% cp and minor po                                                                                                 |
| 27421 D West  | 70   | 558455 | 5160485 | Rock as above; 5-8% sulphides (cp50po50)                                                                                                    |
| 27422 D West  | 56   | 558455 | 5160485 | MG-CG, dk gy gabbro with up to 1% sulphides; very magnetic                                                                                  |
| 27423 D West  | 68   | 558455 | 5160485 | MG-FG, dk gy gabbro with 0-1/4% po and trace cp; mod magnetic in places                                                                     |
| 27424 D West  | 34   | 558455 | 5160485 | MG med gy An                                                                                                                                |
| 27425 D West  | 28   | 558455 | 5160485 | MG, medium gy, non magnetic An                                                                                                              |
| 27426 D West  | 54   | 558455 | 5160485 | MG, medium dk gy gabbro with 2-4% sulphides (po60cp40)                                                                                      |
| 27427 D West  | 82   | 558455 | 5160485 | MG medium gy, slightly rusty gabbro with minor sulphides: mod to very magnetic                                                              |
| 27428 D West  | 39   | 558455 | 5160485 | FG-MG, medium gy Gb with rare rust                                                                                                          |
| 27429 D West  | 36   | 558455 | 5160485 | MG, medium grey, non magnetic An with brown rims                                                                                            |
| 27430 D West  | 46   | 558455 | 5160485 | MG, dk to medium grey Gb with minor sulphides and minor biotite                                                                             |
| 27431 D West  | 34   | 558455 | 5160485 | MG CG, medium gy, slightly rusty, mod magnetic Gb; trace sulphides; minor biotite                                                           |
| 27432 D West  | 36   | 558455 | 5160485 | Similar to above- but no rust                                                                                                               |

|              |    |        |         |                                                                                        |
|--------------|----|--------|---------|----------------------------------------------------------------------------------------|
| 27433 D West | 69 | 558455 | 5160485 | MG, medium to dk gy, magnetic Gb; minor blue qtz: <1/2% (po90co10); rusty fractures    |
| 27434 D West | 68 | 558455 | 5160485 | As above                                                                               |
| 27435 D West | 63 | 558455 | 5160485 | MG, greenish gy Gb with pyroxene altered to amphibole                                  |
| 27436 D West | 48 | 558455 | 5160485 | MG, non magnetic Gb (70%) plus 30% rusty, magnetic Gb                                  |
| 27437 D West | 73 | 558455 | 5160485 | MG, medium gy Gb; mod magnetic with altered pyx, blue qtz and 2-4% (po80cp20)          |
| 27438 D West | 57 | 558455 | 5160485 | MG, medium gy, non magnetic olivine Gb; no sulphides: 10-15% 1/2 cm brown clinopyx     |
| 27439 D West | 24 | 558455 | 5160485 | As above                                                                               |
| 27440 D West | 49 | 558455 | 5160485 | MG, medium gy Gb with some blue qtz and 50% sulphide 'boulder'/breccia fragment        |
| 27441 D West | 64 | 558455 | 5160485 | MG, medium gy, non magnetic Gb with shiny flat crystals on saw cuts                    |
| 27442 D West | 43 | 558455 | 5160485 | MG, medium to dk gy, moderately magnetic Gb with 3-4% biotite; slightly rusty          |
| 27443 D West | 73 | 558455 | 5160485 | MG, medium to dk gy, mod magnetic Gb with nice pyx Xtals; slightly rusty; tr sulphides |
| 27444 D West | 67 | 558455 | 5160485 | MG, medium gy, mod rusty Gb with 1-2% sulphides + magnetite:some rock as above         |
| 27445 D West | 70 | 558455 | 5160485 | MG, medium gy, rusty, magnetic Gb with 3-8% sulphides (po80cp20)                       |
| 27446 D West | 65 | 558455 | 5160485 | 25% as above: 75% MG, medium gy Gb with rusty fractures                                |
| 27447 D West | 80 | 558455 | 5160485 | MG-CG mod magnetic Gb with 5-7% cp and 1/2-1% po in fractures                          |
| 27448 D West | 61 | 558455 | 5160485 | MG-CG moderate gy, rusty, magnetic Gb: < 1% sulphides                                  |
| 27449 D West | 49 | 558455 | 5160485 | FG-MG, slightly rusty, slightly magnetic Gb with <1% (cp30po70)                        |
| 27450 D West | 41 | 558455 | 5160485 | As above                                                                               |
| 27451 D West | 73 | 558455 | 5160485 | MG medium gy moderately magnetic, rusty Gb                                             |
| 27452 D West | 62 | 558455 | 5160485 | MG medium gy, moderately magnetic Gb/An; some mica                                     |
| 27453 D West | 84 | 558455 | 5160485 | As above: minor sulphides                                                              |
| 27454 D West | 80 | 558455 | 5160485 | As above                                                                               |
| 27455 D West | 81 | 558455 | 5160485 | As above but with 2-4% dissem (po70cp30) sulphides                                     |
| 27456 D West | 50 | 558455 | 5160485 | As above but with 1% sulphides: very rusty                                             |
| 27457 D West | 48 | 558455 | 5160485 | MG medium to dark gy Gb with 1-4% sulphides (po70cp30)                                 |
| 27458 D West | 35 | 558455 | 5160485 | Mainly FG MG mod magnetic Gb with 4 cm of above rock                                   |
| 27459 D West | 39 | 558455 | 5160485 | MG, non magnetic, light gy An or Olivine Gb with 5% brown crystals                     |
| 27460 D West | 29 | 558455 | 5160485 | MG, greenish gy Gb with pyroxene (?) altered to amphibole                              |
| 27461 D West | 53 | 558455 | 5160485 | 25% MG-FG medium gy Gb and 75% MG, greenish gy Gb                                      |
| 27462 D West | 39 | 558455 | 5160485 | MG, medium gy, variably rusty Gb                                                       |
| 27463 D West | 87 | 558455 | 5160485 | MG, medium to light gy, moderate to very magnetic Gb: possibly 2-4% biotite in places  |

|               |    |        |         |                                                                                                                                              |
|---------------|----|--------|---------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 27464 D West  | 26 | 558455 | 5160485 | MG-FG, light gy, 'gritty' olivine Gb                                                                                                         |
| 27465 D West  | 35 | 558455 | 5160485 | 50% above and 50% very rusty MG Gb                                                                                                           |
| 27466 D West  | 33 | 558455 | 5160485 | Similar to sample 27464                                                                                                                      |
| 27467 D West  | 28 | 558455 | 5160485 | MG, medium gy Gb                                                                                                                             |
| 27468 D West  | 47 | 558455 | 5160485 | As above but with rust: magnetic: <1/2% sulphides                                                                                            |
| 27469 D West  | 40 | 558455 | 5160485 | Similar to sample 27464                                                                                                                      |
| 27470 D West  | 30 | 558455 | 5160485 | MG, medium greenish gy, slightly rusty, moderately magnetic Gb                                                                               |
| 27471 D West  | 53 | 558455 | 5160485 | MG-FG, medium gy, rusty, magnetic Gb                                                                                                         |
| 27472 D West  | 18 | 558455 | 5160485 | MG gy and green, magnetic Gb: tr po/cp                                                                                                       |
| 27473 D West  | 24 | 558455 | 5160485 | MG-FG Gb/An                                                                                                                                  |
| 27474 D West  | 58 | 558455 | 5160485 | MG, medium gy, magnetic Gb with 3-5% (po90cp10)                                                                                              |
| 27475A D West | 56 | 558455 | 5160485 | As above- but with 1-3% (po90cp10); some blue quartz                                                                                         |
| 27475B D West | 33 | 558455 | 5160485 | MG, greenish gy, non magnetic Gb/An                                                                                                          |
| 27476 D East  | 40 | 558475 | 5160480 | MG dark gy- rarely magnetic Gb: sample length estimated<br>MG-CG Gb with spotty patches; non to moderately magnetic; rare po specs; wormhole |
| 27477 D East  | 54 | 558475 | 5160480 | texture: HS (hand sample)                                                                                                                    |
| 27478 D East  | 92 | 558475 | 5160480 | Similar to above but more magnetic, CG, rust and more po                                                                                     |
| 27479A D East | 83 | 558475 | 5160480 | As above but very magnetic                                                                                                                   |
| 27479B D East | 41 | 558475 | 5160480 | As abovebut more rust; rare po and less CG Gb                                                                                                |
| 27480 D East  | 44 | 558475 | 5160480 | As above                                                                                                                                     |
| 27481 D East  | 84 | 558475 | 5160480 | MG-CG dark gy, slightly rusty, variably magnetic Gb                                                                                          |
| 27482 D East  | 69 | 558475 | 5160480 | MG-CG, dark greenish gy Gb: moderate rusty, very magnetic with 'worm hole texture'                                                           |
| 27483 D East  | 46 | 558475 | 5160480 | As above                                                                                                                                     |
| 27484 D East  | 73 | 558475 | 5160480 | As above but with less rust                                                                                                                  |
| 27485 D East  | 48 | 558475 | 5160480 | Very similar to 27477 and 27482 (1/2% sulphides)                                                                                             |
| 27486 D East  | 99 | 558475 | 5160480 | As above; moderate to very magnetic                                                                                                          |
| 27487 D North | 36 | 558465 | 5160540 | MG-CG greenish gy Gb; moderately magnetic: 1/2% po on edge of rock                                                                           |
| 27488 D North | 17 | 558465 | 5160540 | As above but more sulphides; moderately rusty                                                                                                |
| 27489 D North | 78 | 558465 | 5160540 | As above but with irregular worm hole texture                                                                                                |
| 27490 D North | 33 | 558465 | 5160540 | MG, dark gy, magnetic Gb with <1/4% fine sulphides                                                                                           |
| 27491 D North | 63 | 558465 | 5160540 | As above                                                                                                                                     |

|        |         |     |        |         |                                                                                         |
|--------|---------|-----|--------|---------|-----------------------------------------------------------------------------------------|
| 27492  | D North | 107 | 558465 | 5160540 | As above                                                                                |
| 27493  | D North | 90  | 558465 | 5160540 | MG, dark gy Gb with <1/4% cp and some mica: worm hole texture: HS                       |
| 27494  | D North | 68  | 558465 | 5160540 | MG, dark gry Gb with 2-3% (cp80po90); few 3-5 mm cp veinlets: worm hole texture         |
| 27495  | D North | 45  | 558465 | 5160540 | MG-CG, medium gy quartz gabbro with olivine (?): HS                                     |
| 27496  | D North | 49  | 558465 | 5160540 | MG, dark gy, magnetic Gb with 1/2% sulphides; similar to 27490                          |
| 27497  | D North | 89  | 558465 | 5160540 | Similar to 27494 with 1-2% sulphides with some 1/2 cm cp clots                          |
| 27498  | D North | 69  | 558465 | 5160540 | MG, dark gy, rusty, magnetic Gb with 2-4% cp                                            |
| 27499  | D North | 37  | 558465 | 5160540 | MG, dark green, non magnetic, chloritized Gb with minor cp and garnets; HS              |
| 27500  | D North | 44  | 558465 | 5160540 | MG, light and dark grey, non magnetic 'quartz gabbro': HS                               |
| 27501  | D South | 66  | 558490 | 5160145 | MG, dark green, non to moderately magnetic Gb with 1/4-1/2% sulphides; chloritized      |
| 27502  | D South | 78  | 558490 | 5160145 | MG, dark gy Gb with 1/2% (po80cp20); variably magnetic                                  |
| 27503  | D South | 46  | 558490 | 5160145 | MG, medium gy, non magnetic olivine Gb(?); HS                                           |
| 27504  | D South | 106 | 558490 | 5160145 | MG, dark gy, rarely magnetic, very rusty Gb: minor sulphides                            |
| 27505A | D South | 92  | 558490 | 5160145 | MG, dark gy Gb, variably magnetic, slightly rusty; some shiny sulphides; Dana black; HS |
| 27505B | D South | 45  | 558490 | 5160145 | MG, medium greenish gy (chloritized), non magnetic Gb with tr sulphides; some biotite   |
| 27506  | D South | 81  | 558490 | 5160145 | MG, medium gy, non magnetic, olivine Gb/Norite with trace sulphides and trace mica      |
| 27507  | D South | 86  | 558490 | 5160145 | MG, dark gy, moderately rusty, weakly magnetic Gb with schiller Hb Xtals                |
| 27508  | D South | 79  | 558490 | 5160145 | MG, dark gy, slightly rusty, rotten, weakly magnetic, Gb                                |
| 27509  | D South | 103 | 558490 | 5160145 | MG, medium gy, moderately rusty, weakly magnetic Gb                                     |
| 27510  | D South | 76  | 558490 | 5160145 | MG, medium gy, non magnetic olivine gabbro/norite: HS                                   |
| 27511  | D South | 89  | 558490 | 5160145 | MG, dark gy, moderately rusty, moderately magnetic Gb with trace cp                     |
| 27512  | D South | 39  | 558490 | 5160145 | As above but with small pin head sulphides                                              |
| 27513  | D South | 59  | 558490 | 5160145 | MG, dark gy, non magnetic Gb/Norite with trace sulphides                                |
| 27514  | D South | 36  | 558490 | 5160145 | As above: no sulphides                                                                  |
| 27515  | D South | 18  | 558490 | 5160145 | MG, medium gy, non magnetic, very rusty Gb/norite: big sample                           |
| 27516  | D South | 28  | 558490 | 5160145 | As above                                                                                |
| 27517  | D South | 21  | 558490 | 5160145 | MG, medium grey Gb: non to very magnetic                                                |

### Recommendations

Based on the fact that the chaotic zone was exposed in two areas and over 170 samples were taken- it would be appropriate to plot all of the PGE assay results in order to determine if there is a specific trend. It would also be appropriate to compare the sulphide bearing assay rocks with the non sulphide bearing rocks- and if funds can be obtained

STATEMENT OF QUALIFICATIONS for:

This is to certify that I, Frank Racicot:

- 1) I reside in 734 Whittaker St., Sudbury, Ontario, P3E 4B2
- 2) I am an independent geological consultant with over 30 years varied experience in mineral exploration in Canada.
- 3) I graduated in 1974 from Laurentian University, in Sudbury Ontario with a BSc in geology.
- 4) I am a member in good standing of the Association of Professional geologists of Ontario (APGO)

Dated this 22<sup>th</sup> day of Sept, 2013 at Sudbury, Ontario



Frank Racicot P. Geol (#0958)