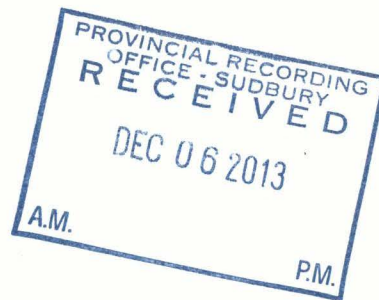


GEOLOGICAL ASSAY REPORT FOR RIVER VALLEY PROJECT

CRERAR TOWNSHIP  
(Sudbury Mining Division)  
River Valley Area

2.54621



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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 about 300 units. Figure 1.

The stripping was initially 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 2. 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). All of the channel samples were done on claim 1214610 and this report focuses on that claim.

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. This report describes the results of channel sampling done on Zone C and Zone D.

### Claim Holders and Claim Details

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

Albert Leblanc:	Frank Racicot
72 Labine Rd.	734 Whittaker St.
Hagar, Ont.	Sudbury, Ont.
P0M 1X0	P3E 4B2

Frank Racicot will be submitting the assessment report.

Claims 1214772 and 1214610 are located in Crerar Township in the Sudbury Mining Division. Figure 3 shows those two claims held by Racicot and Leblanc- superimposed over a geology map of the south east side of the River Valley complex, originally produced by Mustang Minerals. It also shows the approximate location of the trenches of Zone C and Zone D.

### 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.

BUREAU DE LA GEOMATIQUE  
 Ministère des Transports  
 301, rue St. Paul, 2E034  
 St. Catharines, Ontario  
 L2R 7R4

Scale  
 1:1,600,000

True North

RACICOT PROJECT AREA

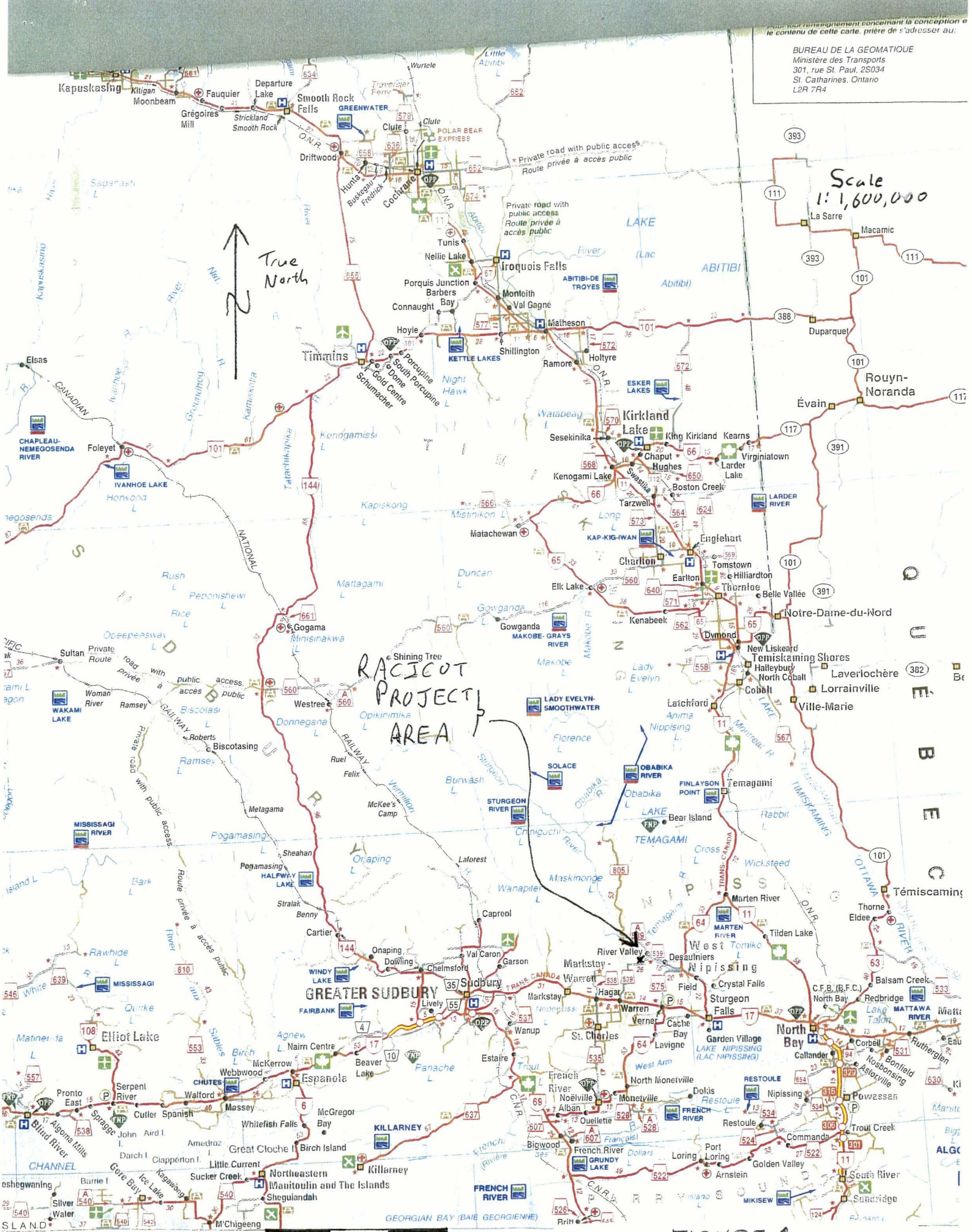
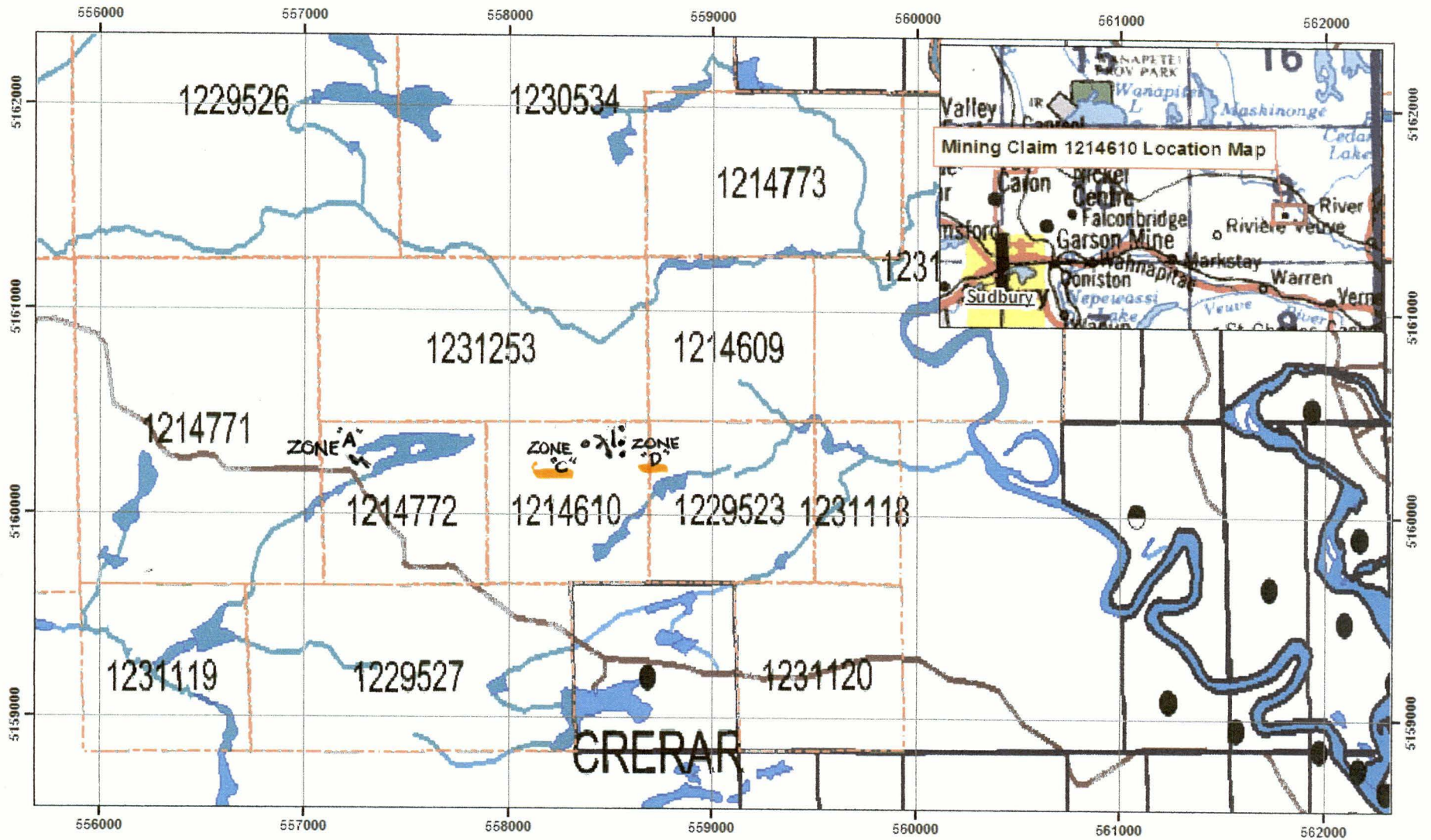


FIGURE 1

FIGURE 1A



Mining Claim 1214610  
River Valley Property

Crerar Township  
Ontario Province  
NTS 41P/09

September, 2013

0 100 200 400 600 800 1,000  
Meters

NAD 83 - ZONE 17N

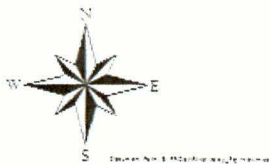


FIGURE 2

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. See Figure 3.

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, gabbro-norite, leucogabbro-norite, 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.

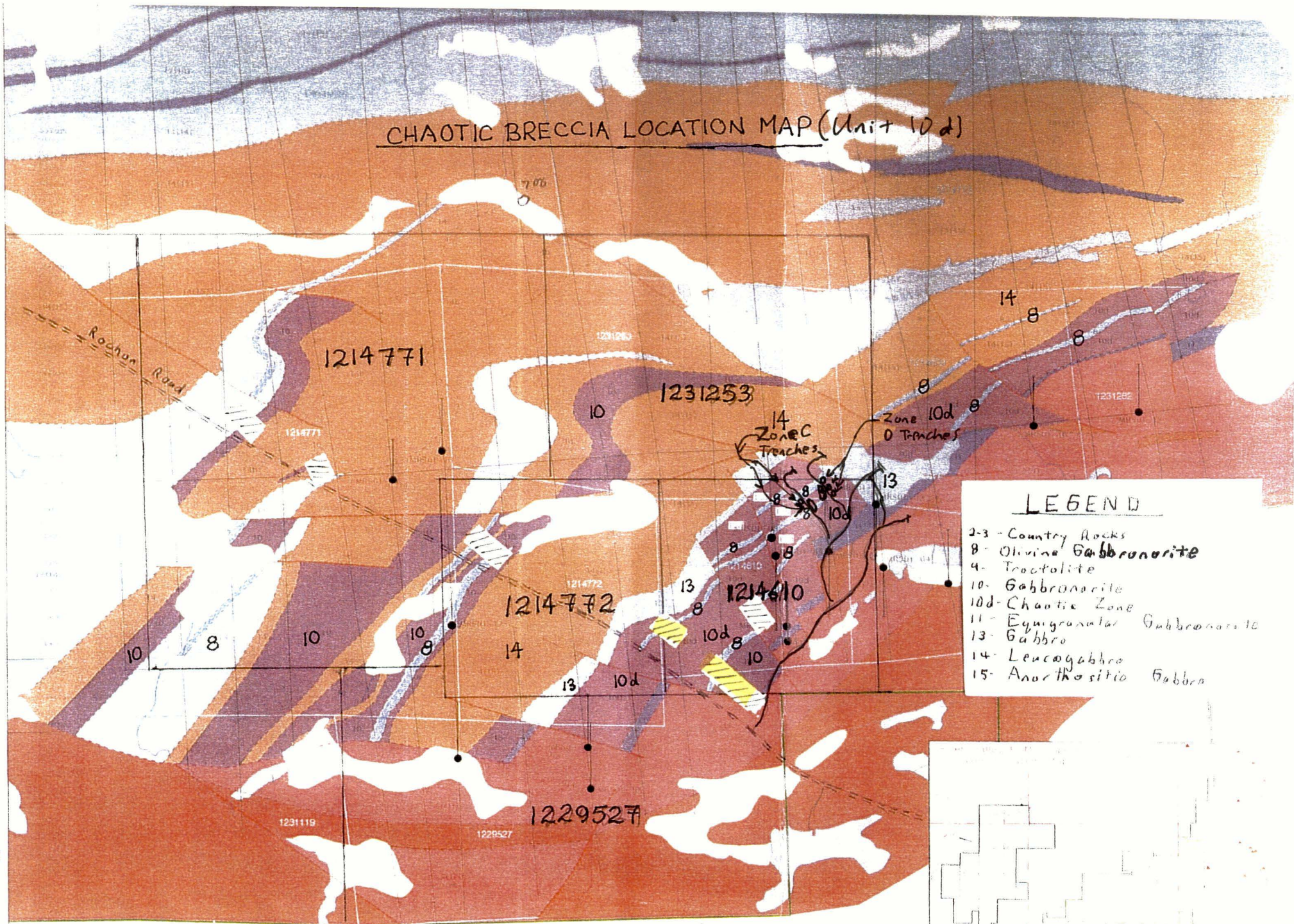
Historically, most of the previous exploration work focused on the southeastern contact of the intrusion in Crerar Township located southeast of the claim and is summarized below:

**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 (4,048 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.

# CHAOTIC BRECCIA LOCATION MAP (Unit 10d)



## LEGEND

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



Figure 3  
5,

**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 illmenite: 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 gabbronorite- **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

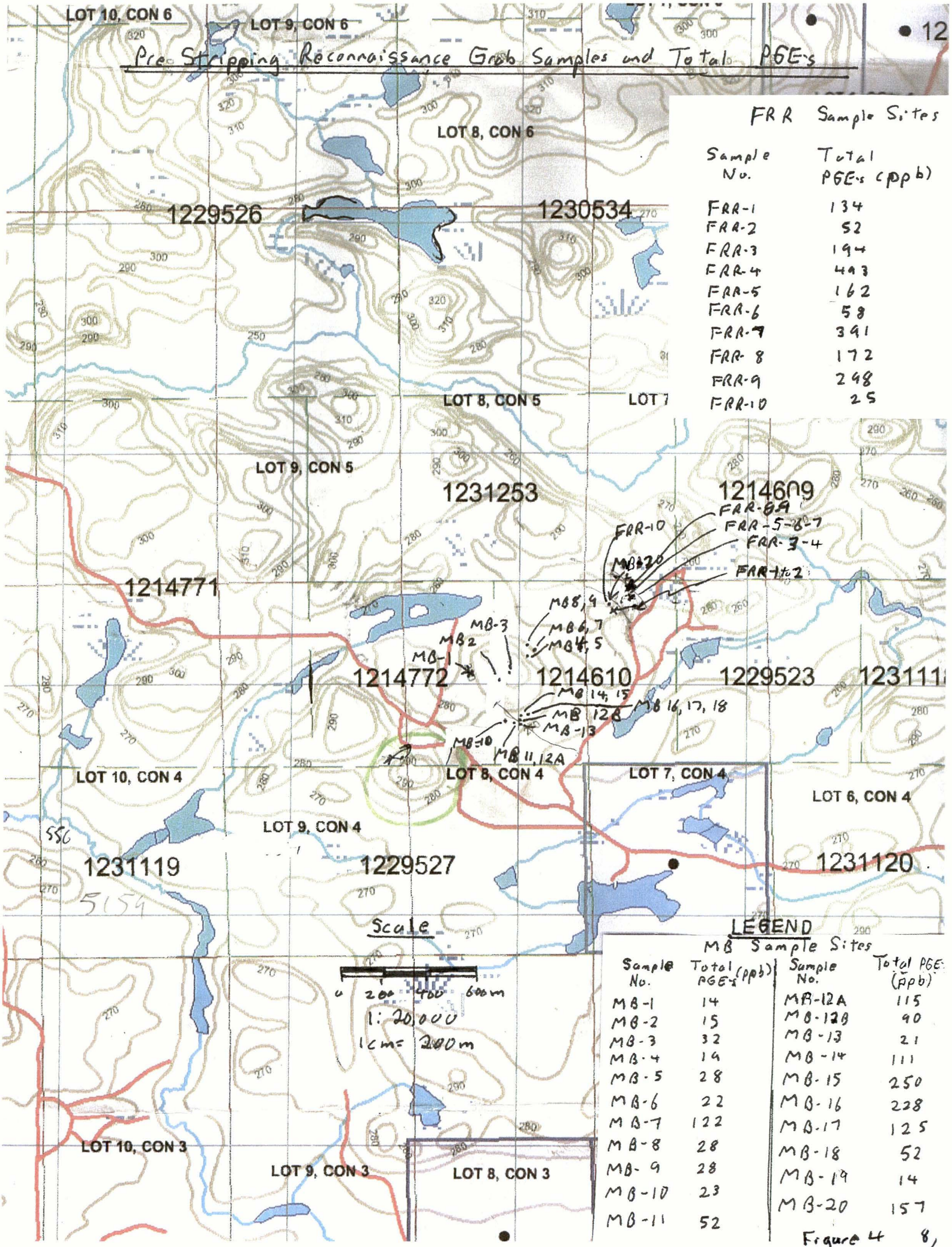
A program was designed to strip, sample and map several areas of the chaotic breccia zone located near the southern edge of the River Valley intrusive (see Figure 3). Based on a Mustang Minerals report dated Oct. 20, 2002, the chaotic zone was the main stratigraphic unit that consistently carried PGE-enriched mineralization- or many samples in excess of 1 g/t PGE (up to 10-12 g/t PGE's). It should be pointed out that there were likely more samples proportionally taken from the chaotic breccia zone- compared to the internal areas of the River Valley intrusive.

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...up to 250 to 500m on the south grid. Historically it was found that most of the PGEs within the chaotic zone were related to sulphide mineralization; the mineralization consisting of fine disseminated to coarse blebs of chalcopyrite, pyrrhotite and minor pentlandite within the matrix and the inclusions.

#### Exploration Strategy

Prior to doing the stripping, two sets of field reconnaissance samples were taken in order to confirm the most suitable area to strip. A total of 20 samples (WB series) were obtained on July 20<sup>th</sup> and an additional 10 samples (FRR series) were obtained on August 3<sup>rd</sup>. The location and total PGE values of these samples from both of those sampling sessions are shown on Figure 4. The Au, Pd and Pt descriptions and values of those samples are in the appendix.

Pre-Stripping Reconnaissance Grab Samples and Total PGE's



FRR Sample Sites

Sample No.	Total PGE's (ppb)
FRR-1	134
FRR-2	52
FRR-3	194
FRR-4	493
FRR-5	162
FRR-6	58
FRR-7	341
FRR-8	172
FRR-9	248
FRR-10	25

1214609  
FRR-8A  
FRR-5-8-7  
FRR-3-4  
FRR-1-2

1229523

123111

1231120

Scale  
0 200 400 600m  
1:20,000  
1cm = 200m

LEGEND

Sample No.	Total PGE's (ppb)	Sample No.	Total PGE's (ppb)
MB-1	14	MB-12A	115
MB-2	15	MB-12B	90
MB-3	32	MB-13	21
MB-4	14	MB-14	111
MB-5	28	MB-15	250
MB-6	22	MB-16	228
MB-7	122	MB-17	125
MB-8	28	MB-18	52
MB-9	28	MB-19	14
MB-10	23	MB-20	157
MB-11	52		

Figure 4 8,

The areas selected to strip were also based on the Mustang map that showed the "Chaotic Breccia Zone" striking to the northeast and in part where some historic and recent assay values indicated there was anomalous PGE values.

Four trench areas were initially uncovered as a result of the 2013 stripping program but channel samples were only taken from Zones C and D, all located in claim 1214610.

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, mapped and about a dozen representative grab samples were taken for future reference. The map for this zone was submitted in a previous assessment report (Sept 23, 2013).

Zone B was initially done along the ditch of a newly established logging road and did uncover some rusty pods- indicative of the chaotic breccia zone on one portion of the trench. There was not enough time or funds to sample this zone.

Zones C and D uncovered some very good sections of the chaotic breccia zone.

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. The previous assessment report (Sept 23, 2013) showed the geology of the trenches and the distribution of the channel samples- based largely on the sulphide/rust content of the various units within the chaotic breccia zone.

This assessment report shows all the sample locations in the various sampled zones and includes the rock, descriptions and assay results. The sketches also show the samples with a total PGE value of > 300 ppb. Samples were taken in sulphide bearing and non sulphide bearing rocks in order to obtain a better idea of the PGE distribution.

#### Observations: C Zone

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 main 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. It is often difficult to see a distinct contact of the various inclusions- possibly because the contact was assimilated and/or gradational- or the inclusion was too big- and as a result not recognized as an inclusion.

Most inclusions were rounded and some examples of inclusions include: medium grained melagabbronite in a coarse grained to pegmatitic gabbro matrix, diorite and quartz diorite. 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. Figures 5 and 6 show all the channel locations and the total values > 300 ppb in brackets ie (475)

#### Observations: 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 7). Two smaller sections of the D zone, the north and south zone were also mapped and sampled (Figure 8 and 9).

The D zone was similar to the C zone although there appeared to be more and larger rusty inclusions and pods. There was also an 8 cm sulphide section included as part of sample 27440. This may be a small sulphide inclusion that got caught up with the other inclusions and could possible represent an inclusion that was ripped away from a

bigger massive sulphide body at elsewhere from the River Valley intrusive- or at depth; this possibility is important and is discussed below. A total of 103 samples were taken from the various sections of the D zone.

Once the initial 173 samples were received and reviewed, Racicot returned to the field and re-examined and re-sampled two of the anomalous channel samples. The results of those re-sampled sites and their significance will also be discussed in the next section.

## Results

Zone C had 19 samples with total PGE values > 300 ppb (Au+Pd+Pt)- ranging from 319 ppb to 717 ppb. An arbitrary value of 300 ppb total PGE's was used as an anomalous cut-off value based on 100's of other samples taken by Mustang Minerals, the OGS or F. Racicot's personal experience. Most (16) of these anomalous samples were evenly clustered in the central part of the chaotic breccia.

Originally it was perceived that it would have been potentially more encouraging if there were more values greater than 300 ppb or more values with at least 1000 ppb (1 g/t). What is interesting about many of these anomalous samples is that only a few on them had notable sulphides. For instance: sample 27389, with a total PGE value of 717 ppb, had up to 2% sulphides (po80cp20) in a greenish grey magnetic gabbro. Although many of the other anomalous samples only had trace amounts of sulphides, occurred in a rusty gabbro with no visible sulphides, or occurred in a rock unit with no sulphides or rust.

Zone D had 23 samples with total PGE values > 300 ppb (Au+Pd+Pt)- although the values were not as clustered as in Zone C. Values ranged from 319 ppb up to 1012 ppb (1.012 g/t) in sample 27440.

In general, although not always, there appeared to be a slight correlation between the sulphide content and anomalous total PGE values in this zone. There appear to be at least two distinct anomalous sample populations- one associated with sulphides and the other with no visible sulphides.

Sample 27440 which had the highest total PGE value (1012 ppb) also had an 8 inch (20 cm) sulphide xenolith associated with this sample. Sample 27440 and one other anomalous sample were re-sampled in order to better understand the nature of the PGE mineralization and confirm the anomalous values. These results are discussed below. Many of the other anomalous samples were also re-examined.

In addition to the anomalous, total PGE values in the chaotic breccia zone, as mentioned before, there were at least 4-5 different types of xenoliths within the chaotic zone. These include: coarse grained anorthosite, medium grained gabbro, medium grained diorite, olivine gabbro, gabbro with disseminated sulphides, quartz gabbro, 8 inch sulphide boulder and a partially layered mafic unit in zone C.

## Re-Sampling Results

In October Racicot and Leblanc re-visited the sampled trenches with the assay results in hand, in order to re-examine the anomalous samples with total PGE values greater than 300 ppb. One of the purposes of the visit was to examine the channel cuts to confirm if the initial estimate of sulphides was correct and look at the anomalous sample sites in more detail and in context of the surrounding rocks.

It was confirmed that the initial estimate of sulphides (or lack of sulphides) in most of the anomalous samples was indeed correct. Two of the original anomalous sample sites (27425 and 27440) were re-sampled in order to confirm the results and in one instance isolate the source of the PGE values.

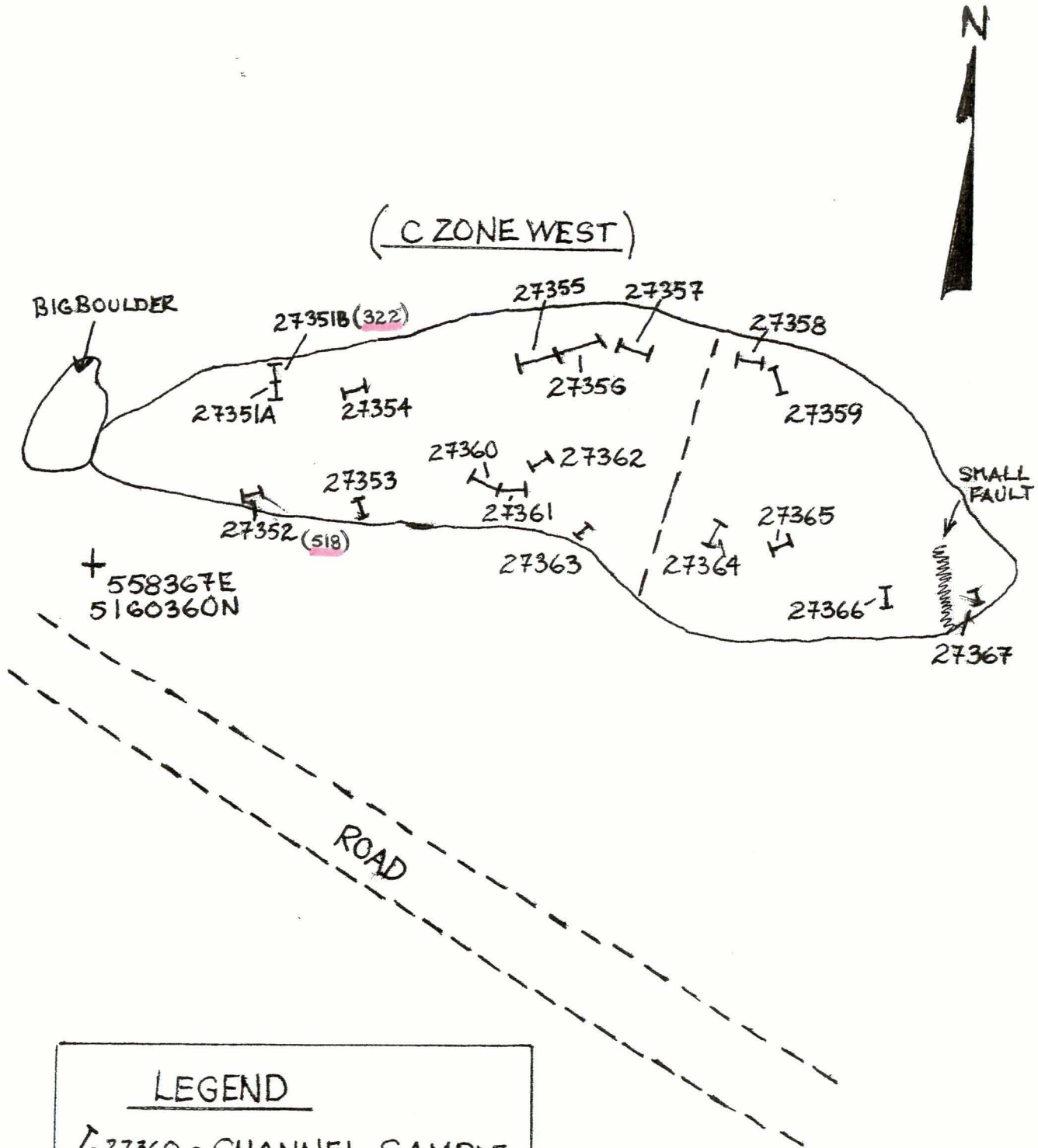
Sample 27425, taken from Zone D was originally described as a "medium grained, medium grey, non magnetic anorthosite" with no sulphides. The original total PGE value in September was 852 ppb. The re-sample value in October was 792 ppb...and indeed confirms the initial analysis.

# SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA

AND CHANNEL SAMPLE LOCATIONS AND TOTAL PGEs

CLAIM 1214610

> 300 ppb



**LEGEND**

I-27360 - CHANNEL SAMPLE

mm - FAULT

- POSSIBLE CONTACT

(322) - TOTAL PGEs  $\geq$  300 ppb

**SCALE**

0 1 2 3m

1:100

FIGURE 5

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

SEPT. 2013  
MODIFIED NOV. 2013

# SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND

## CHANNEL SAMPLE LOCATIONS AND TOTAL PGE's

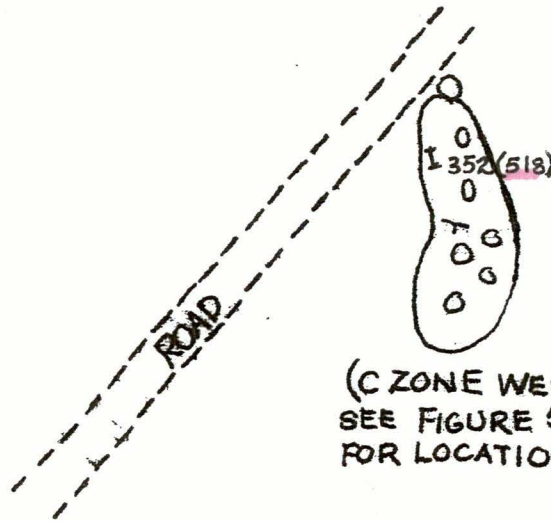
CLAIM 1214610

>300 ppb

ZONE C (EAST)

### LEGEND

- I-27341 - CHANNEL SAMPLE
- I-41 - SAMPLE LAST 2 DIGITS
- O - PROBABLE XENOLITE
- / - POSSIBLE LAYERING
- - SMALL FAULT
- - LEDGE
- x - GRAB SAMPLE
- + - MELANGE of LEUCO GABBRO  
MELA-GABBRO AND  
MAFIC ROCKS
- (710) - TOTAL PGE's ≥ 300 ppb



(C ZONE WEST)  
SEE FIGURE 5  
FOR LOCATIONS

(C ZONE EAST)

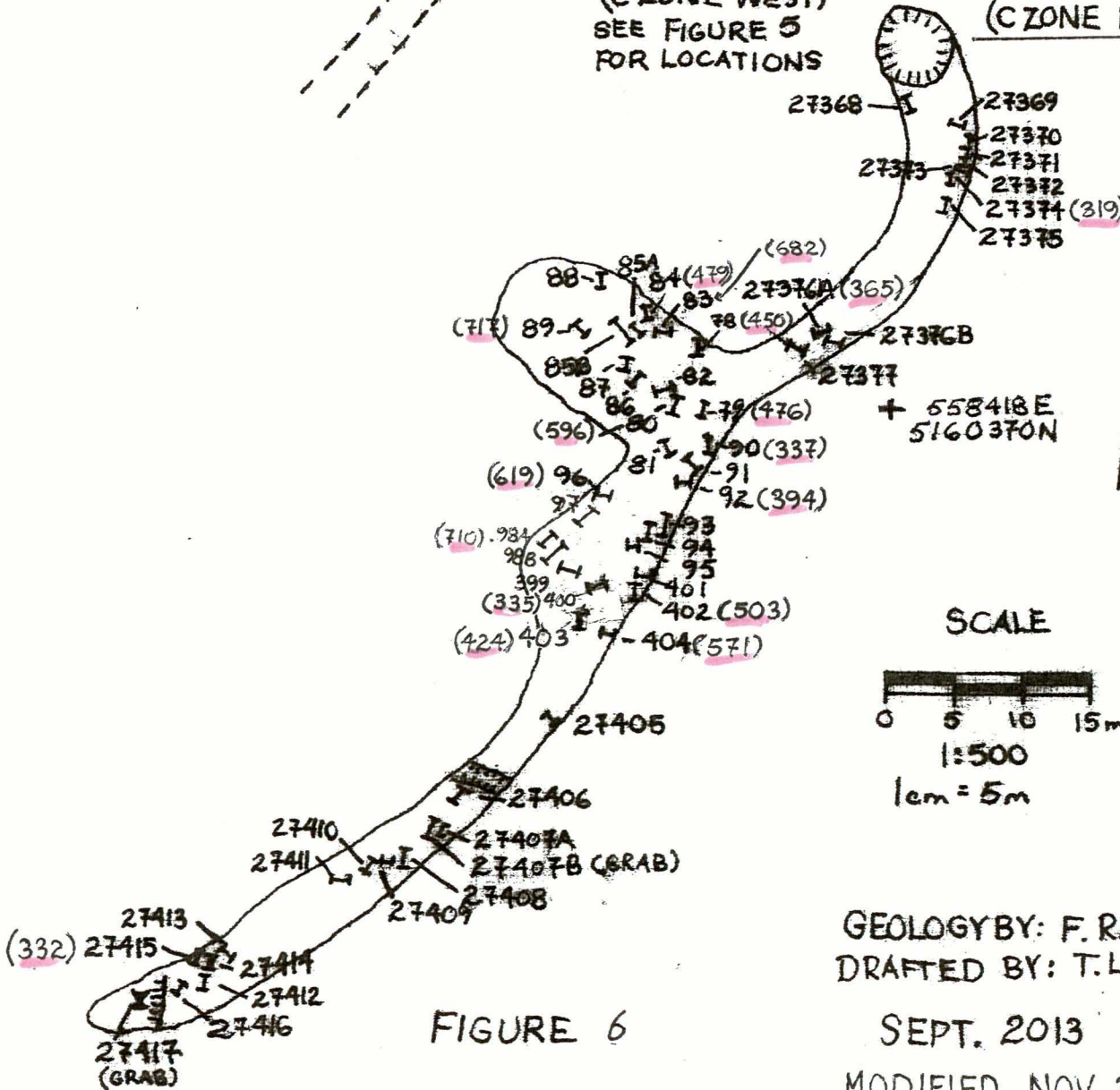


FIGURE 6

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

SEPT. 2013

MODIFIED NOV. 2013

# SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND

## CHANNEL SAMPLE LOCATIONS

### FOR "D" ZONE

CLAIM 1214610

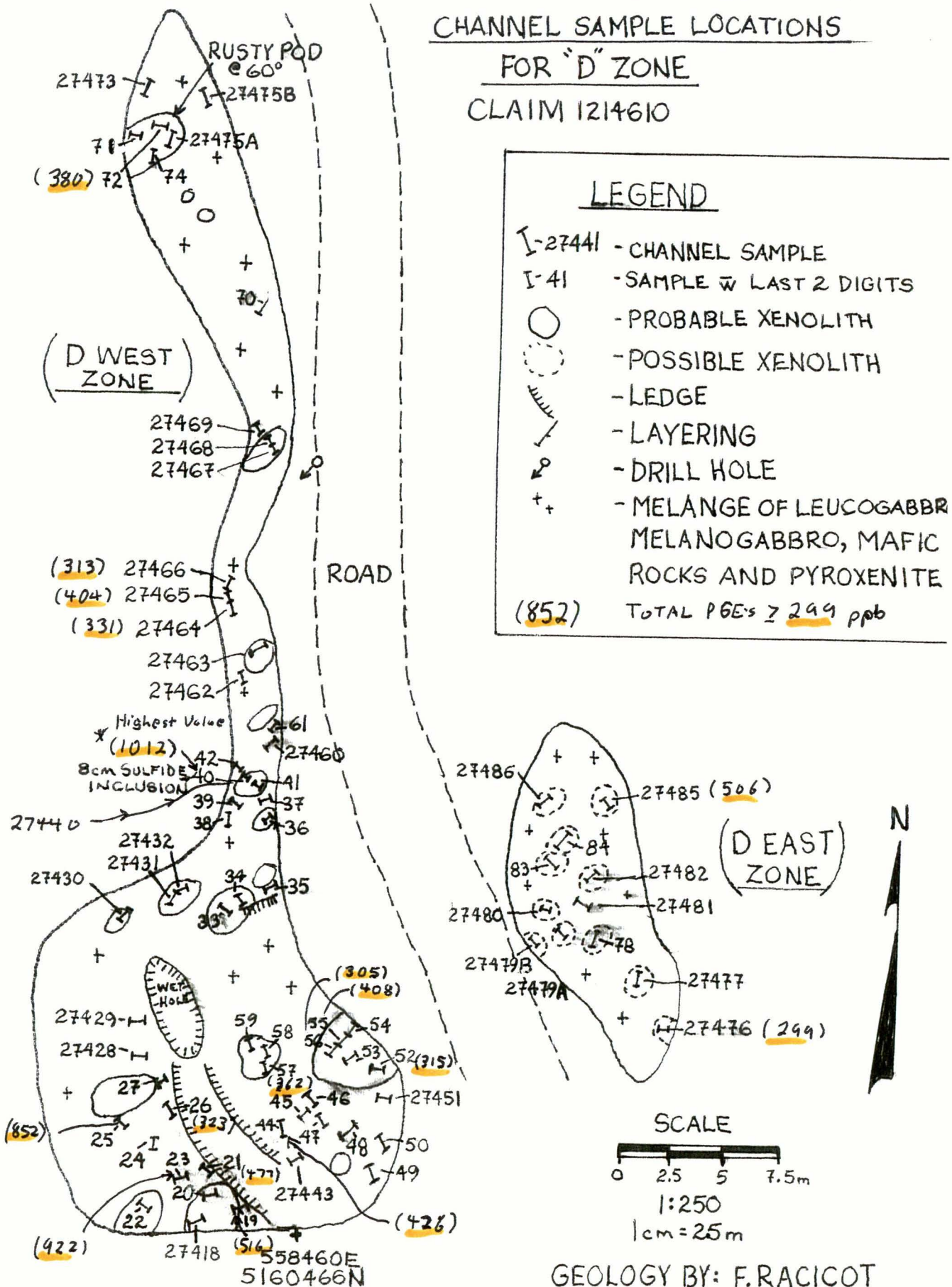


FIGURE 7

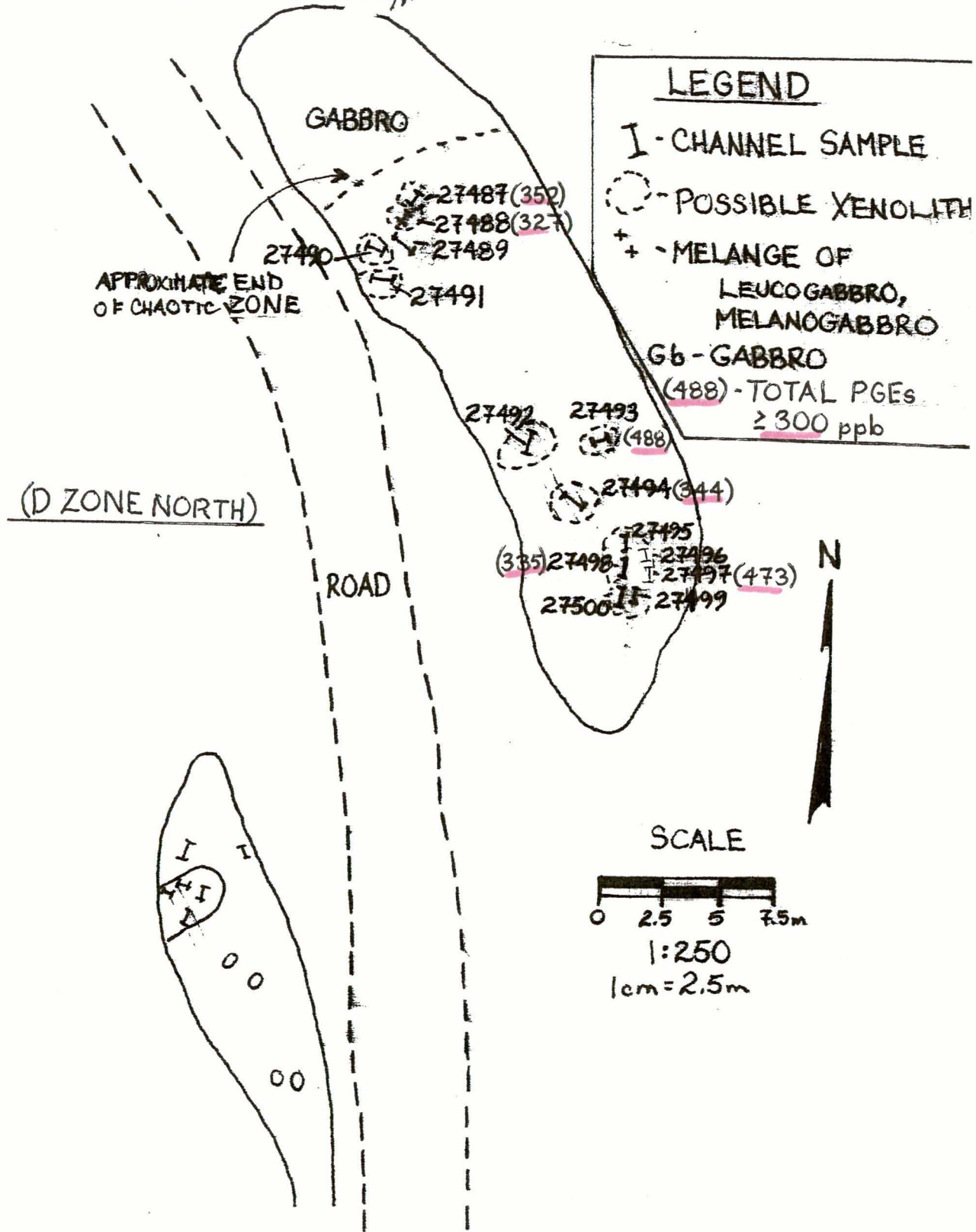
GEOLOGY BY: F. RACICOT

DRAFTED BY: T. LANG

SEPT. 2013

MODIFIED Nov 2013

SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND CHANNEL SAMPLE LOCATIONS FOR D ZONE (NORTH) AND TOTAL PGE values  $\geq 300$  ppb CLAIM 1214610



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



SCHEMATIC GEOLOGY OF THE CHAOTIC BRECCIA AND

CHANNEL SAMPLE LOCATIONS AND PGEs > 300 ppb

CLAIM 1214610

(D SOUTH ZONE)

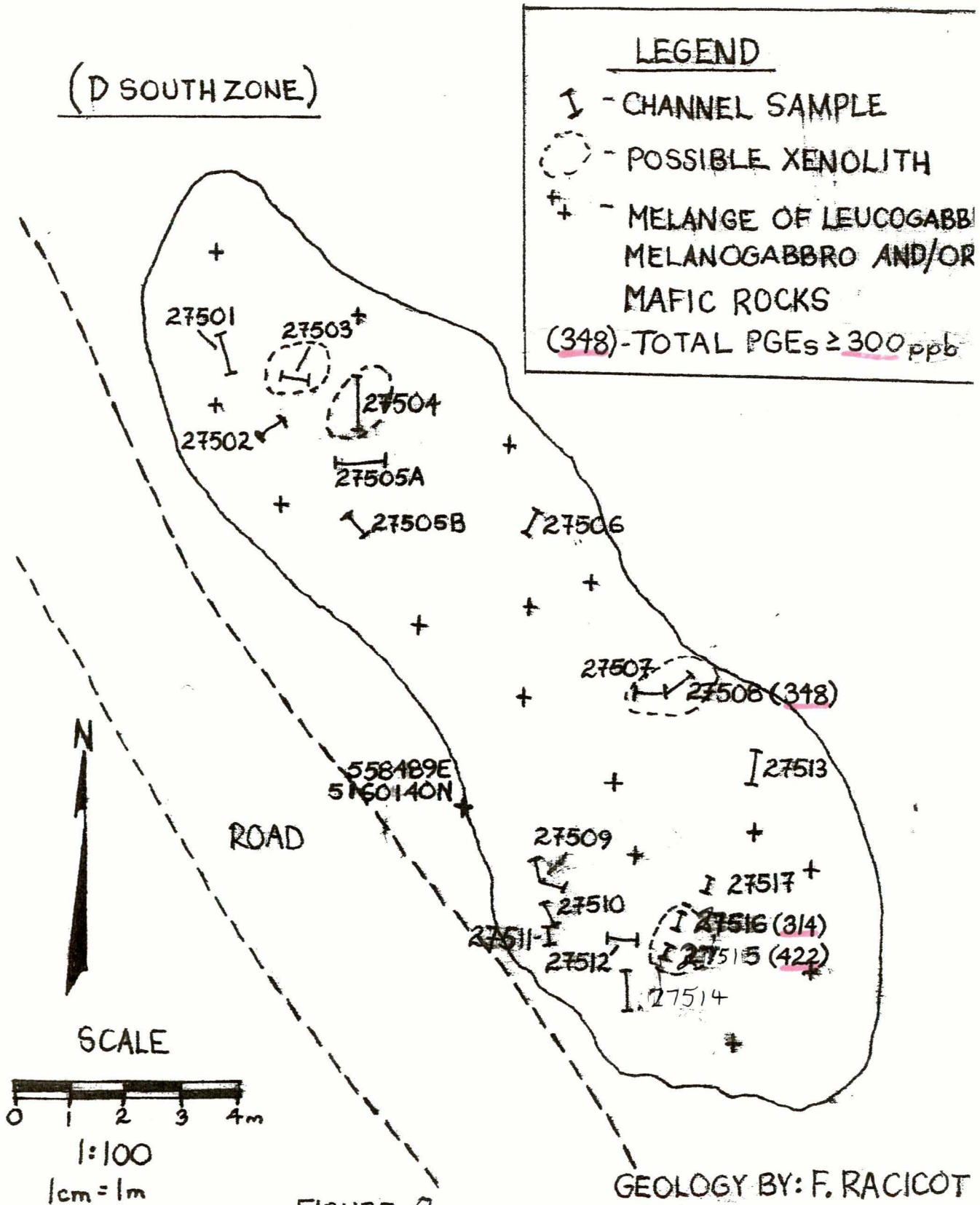


FIGURE 9

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

SEPT. 2013

MODIFIED  
NOV 2013

Sample 27440 was also re-sampled. The original assay from this sample had the highest total PGE value of 1012 ppb in a “medium grained, medium grey gabbro with some blue quartz and an eight inch sulphide ‘boulder’ or xenolith”.

When sample 27440 was re-sampled the sample was taken in two parts. Sample 27440S was taken specifically from the sulphide xenolith and sample 27440R was taken from the medium grained gabbro rock next to the sulphide xenolith.

Sample 27440R had a total assay value of 195 ppb- (Au 19 ppb, Pd 122 ppb, Pt 54 ppb).

Sample 27440S had a total PGE assay value of 2179 ppb (2.170 g/t). The individual element assay values are as follows: (Au 174 ppb, Pd 1940 ppb, Pt 65 ppb). This sulphide sample also assayed 1.09% copper and 1.03% nickel. These re-assays have an important significance for future exploration of the River Valley intrusive.

This indicates that there are at least two different rock types with anomalous PGE values. One is the mafic rocks with no sulphides- as indicated by the various anomalous values reported by Racicot in this report and in Mustangs historical reports. The other is the sulphide rich rocks as confirmed by sample 27440S and described above.

### Recommendations

Several useful observations have been learned from stripping and mapping the chaotic breccia zone:

- 1) The relatively large number of anomalous values confirm that the chaotic breccia zone is indeed a prospective unit and that the mechanisms of magma emplacement and PGE enrichment are well established within the River Valley intrusive...albeit not totally understood..... or located
- 2) There are several types of different rock types xenoliths in the chaotic breccia zone-suggesting that the contact zone had formed by going through different rock units within the River Valley intrusive. The source of most of these xenoliths is likely the interior and/or contact zone associated with the River Valley intrusive.
- 3) There are many anomalous samples with little or no sulphides, indicating that the internal section of the River Valley intrusive, where there are no sulphides, is a potentially prospective target.
- 4) The occurrence of at least one PGE rich sulphide xenolith in sample 27440S indicates there could be a larger PGE rich sulphide layer, somewhere within the River Valley intrusive, or possibly associated in proximity to the contact, an embayment, sill, feeder dike or magma conduit.

As a result of these observations, it is recommended that further consideration be given to locating a sulphide poor horizon with a high PGE content. One such way would be to strip and/or drill a series of strategic sections across strike of the intrusive towards the interior of the intrusive.

It is also recommended that some consideration be given to the possibility that a high PGE, sulphide rich horizon exists and that some way be used to help locate this possible horizon.

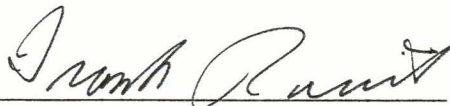
One such way would be to do a series of VLF cross sectional profiles across the contact and/or the inner layers of the River valley intrusive. The VLF profiles would then be subject to computer analysis using a new algorithm program recently developed and successfully used by Shaun Parent in Batachawana Bay, Ontario to locate conductors, disseminated sulphides and possible contacts up to a depth of 250 meters.

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 26<sup>th</sup> day of Nov., 2013 at Sudbury, Ontario



Frank Racicot P. Geol (#0958)

Appendix I

No.	Date	Claim	Easting	Northing	Description	Au	Pd	Pt	Total PGE's
MB-1	Jul-19	1214772	557768	5160042	Quartz pod with 80% quartz, 19% feldspar and 1% mafic minerals	2	3	9	14
MB-2	Jul-19	1214772	557933	5160045	Coarse grained, slightly rusty leucogabbro/anorthosite	<1	37	8	15
MB-3	Jul-19	1214772	557956	5160073	Coarse grained, leucogabbro/anorthosite	1	11	20	32
MB-4	Jul-19	1214772	558027	5160138	Medium to coarse grained dark anorthosite	1	5	13	19
MB-5	Jul-19	1214772	558048	5160135	As above but with 1/2 cm red crystals	1	12	15	28
MB-6	Jul-19	1214772	558042	5600152	Medium to coarse grained light green and grey anorthosite	1	8	13	22
MB-7	Jul-19	1214772	558045	5600150	Medium grained to coarse grained brownish grey leucogabbro	8	47	67	122
MB-8	Jul-19	1214772	558039	5160171	As above	14	4	10	28
MB-9	Jul-19	1214772	588032	5160181	No description	1	6	21	28
MB-10	Jul-19	1214772	557922	5159837	Medium grained, dark grey melagabbro	<1	8	15	23
MB-11	Jul-19	1214772	557967	5159823	Medium to fine grained, light green leucogabbro	3	28	21	52
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 @	36	29	50	115
MB-12B	Jul-19	1212772	558004	5159820	040 deg	16	37	37	90
MB-13	Jul-19	1214772	558010	5159813	Medium grained, light grey and olive green anorthosite; slty magnetic	1	5	15	21
MB-14	Jul-19	1214772	558030	5158825	As above but more rusty and more rotten	14	50	47	111
MB-15	Jul-19	1214772	558035	5159825	Similar to MB-13	32	89	139	250
MB-16	Jul-19	1214772	558058	5159830	Medium grained, rusty, dark, magnetic gabbro with 1/2% py	16	125	85	225
MB-17	Jul-19	1214772	558058	5159832	Similar to above- but less rust	8	48	69	125
MB-18	Jul-19	1214772	558077	5159831	Medium to coarse grained, dark grey with 60% weathering mineral	1	26	25	52
MB-19	Jul-19	1214772	558206	5159810	Medium to coarse grained grey-green gabbro	<1	6	8	14
MB-20	Jul-19	1214772	558373	5160356	Medium grained, 70% dark grey, weakly magnetic gabbro with tr py	23	65	69	157

No.	Date	Claim	Easting	Northing	Description	Au	Pd	Pt	Total PGE's
FRR-1	Aug-03	1214610	558402	5160318	Medium grained (MG), 70% dark grey, weakly magnetic gabbro with tr py	37	45	52	134
FRR-2	Aug-03	1214610	558411	5160312	Medium grained, dark grey, moderately rusty gabbro; some sulphides	27	14	11	52
FRR-3	Aug-03	1214610	558513	5160367	MG to CG rusty gabbro with 1-2% (po 70 cp30) sulphides	9	115	70	194
FRR-4	Aug-03	1214610	558513	5160367	Similar to above but 2-4% sulphides	365	69	59	493
FRR-5	Aug-03	1214610	558471	5160406	MG to CG greenish grey gabbro with 'worm hole texture': east of road	50	60	52	162
FRR-6	Aug-03	1214610	558458	5600403	MG, greenish grey, non magnetic, moderately rusty gabbro: west of road	6	30	22	58
FRR-7	Aug-03	1214610	558460	5600418	MG, grey and green gabbro; trace po/cp: west of road	34	179	178	391
FRR-8	Aug-03	1214610	558450	5160442	MG to CG dark grey, variably magnetic gabbro with spotty patches	22	89	61	172
FRR-9	Aug-03	1214610	558456	5160478	Medium grained, dark grey, weakly magnetic gb; tr py; E of road	14	128	156	298
FRR-10	Aug-03	1214610	558373	5160356	Medium grained, dark grey, spotted, mod. magnetic gb; tr py; E of road	<1	15	10	25

No.	Area	Width (cm)	Easting Center of	Northing Trench	Description of River Valley Trench Samples by F. Racicot: Crerar Twp; August 2013	Au	Pd	Pt	Total
						(ppb)	(ppb)	(ppb)	PGE's (ppb)
					MG (Medium Grained) med green sulfide + med gray Gb (Gabbro) with green chlorite				
7351A	C West	36	558375	5160363	clots; weakly magnetic	13	4	5	22
7351B	C West	49	558375	5160363	As above but med rusty, extension of above sample, weakly magnetic	57	148	117	322
27352	C West	37	558375	5160363	As above with 1% cp and trace po? with possible asp speck	132	188	198	518
27353	C West	52	558375	5160363	As above with rusty surface + 2-3% sulfide as individual clots	27	79	77	183
27354	C West	37	558375	5160363	MG-CG (Coarse Grained) black An (Anorthosite) with rusty surface + fractures	18	121	156	295
27355	C West	84	558375	5160363	As above with few po(cp) blebs	16	84	106	206
27356	C West	57	558375	5160363	As above but 1/4% po	12	52	58	122
27357	C West	97	558375	5160363	As above but with cp/po "blebs" on surface of feldspar crystals	23	72	74	169
27358	C West	78	558375	5160363	MG dark grey An but very rusty throughout	15	63	145	223
27359	C West	90	558375	5160363	1/4 as above: 3/4 MG-FG gy + green An	7	65	51	123
27360	C West	62	558375	5160363	MG-CG dk gy green Gb/An; some rust; trace sulfides	31	119	126	276
27361	C West	61	558375	5160363	MG-FG gy green gabbro plus black feldspar clots	13	74	85	172
27362	C West	42	558375	5160363	MG-CG dk green black An; moderately rusty; trace sulfides	25	92	7	124
27363	C West	60	558375	5160363	MG-FG dk green black An	19	68	73	160
27364	C West	70	558375	5160363	As above with with 1 cm po clot with minor cp	22	47	64	133
27365	C West	32	558375	5160363	MG-FG green-grey-black with mottled texture; moderate rust on surface and in fractures Similar to above on cut surface but MG dk gy on fresh surface, minor sulfides + trace po;	8	29	18	55
27366	C West	58	558375	5160363	blue qtz eyes; moderately rusty on surface	11	92	100	203
27367	C West	44	558375	5160363	Medium grained, very rusty, very magnetic, dark gabbro	11	46	29	86
27368	C East	38	558400	5160370	MG, gy and dark with nodular texture; minor blebs of po(cp); very magnetic	26	32	50	108
27369	C East	86	558400	5160370	As above: no sulfides	27	56	73	156
27370	C East	57	558400	5160370	MG-CG black An; some sulfides, rusty; some blue qtz; minor 1/4 cp/po mod magnetic	7	50	54	111
27371	C East	67	558400	5160370	As above	10	91	123	224
27372	C East	62	558400	5160370	MG-CG gy An; very magnetic; slightly rusty 30% FG- dk gy, non magnetic unit: 70% MG-CG light gy magnetic An with trace sulfides	4	29	54	87
27373	C East	69	558400	5160370	cp/po	3	21	32	56
27374	C East	55	558400	5160370	MG-CG light gy, magnetic An with trace cp/po	8	107	204	319

27375 C East	44	558400	5160370	MG-CG weakly magnetic, dk gy An	1	5	5	11
7376A C East	78	558400	5160370	MG med grey 'nodular' An; moderately magnetic; moderately rusty	6	200	159	365
7376B C East	79	558400	5160370	MG med grey 'nodular' An; moderately magnetic; moderately rusty	14	111	97	222
27377 C East	25	558400	5160370	FG-MG, medium to dark grey gabbro	2	47	50	99
27378 C East	40	558400	5160370	1/2-1% (po90cp10) in MG dk, magnetic Gabbro/Norite	32	257	161	450
27379 C East	64	558400	5160370	MG, dark grey, magnetic, melocratic gabbro with some mafic clots and minor garnets	44	238	194	476
27380 C East	78	558400	5160370	MG, dark gy, clotty, slightly rusty, rotten gabbro: minor serpentine in fractures	26	301	269	596
27381 C East	55	558400	5160370	As above but rusty and very magnetic; 1/4% cp and po in 1 peice	8	129	138	275
27382 C East	49	558400	5160370	As above but no sulfides	22	234	191	447
27383 C East	50	558400	5160370	As above with minor sulfides	45	324	313	682
27384 C East	45	558400	5160370	As above: no visible sulfides	14	241	224	479
7385A C East	55	558400	5160370	MG-CG; grey, fresh looking gabbro: hand sample	3	54	25	82
7385B C East	53	558400	5160370	rare speck sulfide in MG dk gy malagabbro; weakly magnetic	18	25	16	59
27386 C East	54	558400	5160370	Medium grained, medium gy, non magnetic diorite	5	133	115	253
27387 C East	46	558400	5160370	Medium grained, rusty, dark gy, very magnetic mela gabbro; trace sulphides	22	132	106	260
27388 C East	50	558400	5160370	trace sulfides in MG-CG, medium to light grey gabbro	16	39	35	90
27389 C East	49	558400	5160370	up to 1-2% (po80cp20) in MG dk gy and greenish gy magnetic Gb	41	317	359	717
27390 C East	62	558400	5160370	MG, med to dk gy, moderately magnetic, rusty Gb with trace sulfides	19	170	148	337
27391 C East	18	558400	5160370	MG, medium to light grey, non magnetic gabbro	35	136	70	241
27392 C East	23	558400	5160370	Similar to above but no rust; extension of sample 27391	29	201	164	394
27393 C East	24	558400	5160370	MG dk gy, magnetic Gb with 1/2-1% (po90cp10) (hand sample)	62	81	77	220
27394 C East	55	558400	5160370	Combination sample: MG diorite and CG, dk gy, rusty gabbro with trace sulphides	29	70	61	160
27395 C East	64	558400	5160370	MG, dark grey, 'spotted', moderate rusty melano gabbro	11	79	80	170
27396 C East	36	558400	5160370	MG-CG: As above very magnetic: minor sulphides	26	263	330	619
27397 C East	40	558400	5160370	As above: very magnetic	7	84	60	151
7398A C East	46	558400	5160370	As above but moderately rusty and hematitic; slightly magnetic; some specs of sulphides	11	333	366	710
7398B C East	40	558400	5160370	As above but rare sulfides	4	66	59	129
27399 C East	64	558400	5160370	MG-CG slightly rusty, very magnetic Gb	4	59	60	123
27400 C East	18	558400	5160370	MG, medium greenish gy, non magnetic Gb; no sulphides and trace garnets	29	177	129	335
27401 C East	14	558400	5160370	MG-CG, very magnetic, very rusty gabbro	6	105	122	233
27402 C East	55	558400	5160370	Combination cut: 30 cm of MG-FG diorite and 25 cm MG-CG rusty Gb	34	287	182	503



27403	C East	70	558400	5160370	MG-CG rusty med gabbro with 2% (po70cp30); strongly magnetic in places	52	201	171	424
27404	C East	62	558400	5160370	As above: more sulfides to south; hand sample	89	294	188	571
27405	C East	52	558400	5160370	MG-FG light gy qtz diorite	30	74	77	181
27406	C East	86	558400	5160370	MG-CG dk gy, rusty with minor sulfides; extra cuts	7	88	26	121
27407	C East	90	558400	5160370	2-3% (cp60po40) in MG, dk gy, slightly rusty, magnetic Gb: cp along fractures	12	100	48	160
27407B	C East	Grab	558400	5160370	MG-FG rusty, moderately magnetic diorite	15	84	49	148
27408	C East	42	558400	5160370	2% (cp20po80) in MG, dk gy, slightly magnetic Gb with 1% blue quartz eyes; some biotite	15	107	58	180
27409	C East	76	558400	5160370	As above but trace sulfides, moderately rusty; very magnetic	7	78	47	132
27410	C East	43	558400	5160370	MG, dark grey, moderately rusty, magnetic Gb with trace sulphides	7	160	46	213
27411	C East	28	558400	5160370	MG-FG, dark grey, slightly rusty, mod magnetic Gb with 2-3% blue qtz and 1% biotite	1	16	28	45
27412	C East	43	558400	5160370	MG, dk gy, slightly magnetic Gb: very hard (clinky sound)	6	10	5	21
27413	C East	44	558400	5160370	MG-FG med gy qtz diorite; slightly magnetic	16	42	38	96
27414	C East	29	558400	5160370	As above with trace sulfides	8	32	16	56
27415	C East	23	558400	5160370	As above with trace sulfides	26	194	112	332
27416	C East	46	558400	5160370	MG dk gy, very magnetic Gb with trace sulfides; (cp/po)	16	40	43	99
27417	C East	Grab	558400	5160370	MG dk rusty Gb: 1/4 % sulphides: North edge of trench MG-CG, dk gy, rusty, very magnetic gabbro with well developed feldspar Xtals; some	28	66	51	145
27418	D West	38	558455	5160485	biotite and < 1/4% cp	5	84	64	153
27419	D West	83	558455	5160485	Similar to above but trace sulphides	73	239	204	516
27420	D West	94	558455	5160485	Rock as above but with 5-8% cp and minor po	157	597	238	992
27421	D West	70	558455	5160485	Rock as above; 5-8% sulphides (cp50po50)	22	255	200	477
27422	D West	56	558455	5160485	MG-CG, dk gy gabbro with up to 1% sulphides; very magnetic	11	148	116	275
27423	D West	68	558455	5160485	MG-FG, dk gy gabbro with 0-1/4% po and trace cp; mod magnetic in places	22	54	60	136
27424	D West	34	558455	5160485	MG med gy An	6	36	72	114
27425	D West	28	558455	5160485	MG, medium gy, non magnetic An	39	394	419	852
27426	D West	54	558455	5160485	MG, medium dk gy gabbro with 2-4% sulphides (po60cp40)	13	178	132	323
27427	D West	82	558455	5160485	MG medium gy, slightly rusty gabbro with minor sulphides: mod to very magnetic	46	108	124	278
27428	D West	39	558455	5160485	FG-MG, medium gy Gb with rare rust	15	34	39	88
27429	D West	36	558455	5160485	MG, medium grey, non magnetic An with brown rims	1	5	5	11
27430	D West	46	558455	5160485	MG, dk to medium grey Gb with minor sulphides and minor biotite	8	55	41	104
27431	D West	34	558455	5160485	MG CG, medium gy, slightly rusty, mod magnetic Gb; trace sulphides; minor biotite	33	131	120	284

27432	D West	36	558455	5160485	Similar to above- but no rust	3	18	8	29
27433	D West	69	558455	5160485	MG, medium to dk gy, magnetic Gb; minor blue qtz: <1/2% (po90co10); rusty fractures	18	151	88	257
27434	D West	68	558455	5160485	As above	17	100	103	220
27435	D West	63	558455	5160485	MG, greenish gy Gb with pyroxene altered to amphibole	1	8	9	18
27436	D West	48	558455	5160485	MG, non magnetic Gb (70%) plus 30% rusty, magnetic Gb	16	44	76	136
27437	D West	73	558455	5160485	MG, medium gy Gb; mod magnetic with altered pyx, blue qtz and 2-4% (po80cp20)	25	79	84	188
27438	D West	57	558455	5160485	MG, medium gy, non magnetic olivine Gb; no sulphides: 10-15% 1/2 cm brown clinopyx	1	3	5	9
27439	D West	24	558455	5160485	As above	4	5	6	15
27440	D West	49	558455	5160485	MG, medium gy Gb with some blue qtz and 50% sulphide 'boulder'/breccia fragment	32	901	79	1012
27441	D West	64	558455	5160485	MG, medium gy, non magnetic Gb with shiny flat crystals on saw cuts	22	87	123	232
27442	D West	43	558455	5160485	MG, medium to dk gy, moderately magnetic Gb with 3-4% biotite; slightly rusty	3	13	5	21
27443	D West	73	558455	5160485	MG, medium to dk gy, mod magnetic Gb with nice pyx Xtals; slightly rusty; tr sulphides	22	114	123	259
27444	D West	67	558455	5160485	MG, medium gy, mod rusty Gb with 1-2% sulphides + magnetite:some rock as above	23	196	207	426
27445	D West	70	558455	5160485	MG, medium gy, rusty, magnetic Gb with 3-8% sulphides (po80cp20)	17	87	58	162
27446	D West	65	558455	5160485	25% as above: 75% MG, medium gy Gb with rusty fractures	7	44	57	108
27447	D West	80	558455	5160485	MG-CG mod magnetic Gb with 5-7% cp and 1/2-1% po in fractures	5	118	87	210
27448	D West	61	558455	5160485	MG-CG moderate gy, rusty, magnetic Gb: < 1% sulphides	10	65	52	127
27449	D West	49	558455	5160485	FG-MG, slightly rusty, slightly magnetic Gb with <1% (cp30po70)	5	12	7	24
27450	D West	41	558455	5160485	As above	35	123	63	221
27451	D West	73	558455	5160485	MG medium gy moderately magnetic, rusty Gb	17	91	92	200
27452	D West	62	558455	5160485	MG medium gy, moderately magnetic Gb/An; some mica	16	123	176	315
27453	D West	84	558455	5160485	As above: minor sulphides	7	89	79	175
27454	D West	80	558455	5160485	As above	23	136	123	282
27455	D West	81	558455	5160485	As above but with 2-4% dissem (po70cp30) sulphides	19	216	173	408
27456	D West	50	558455	5160485	As above but with 1% sulphides: very rusty	19	163	123	305
27457	D West	48	558455	5160485	MG medium to dark gy Gb with 1-4% sulphides (po70cp30)	28	171	163	362
27458	D West	35	558455	5160485	Mainly FG MG mod magnetic Gb with 4 cm of above rock	14	28	7	49
27459	D West	39	558455	5160485	MG, non magnetic, light gy An or Olivine Gb with 5% brown crystals	3	2	5	10
27460	D West	29	558455	5160485	MG, greenish gy Gb with pyroxene (?) altered to amphibole	11	7	5	23
27461	D West	53	558455	5160485	25% MG-FG medium gy Gb and 75% MG, greenish gy Gb	10	102	62	174
27462	D West	39	558455	5160485	MG, medium gy, variably rusty Gb	11	34	26	71

27463 D West	87	558455	5160485	MG, medium to light gy, moderate to very magnetic Gb: possibly 2-4% biotite in places	19	44	59	122
27464 D West	26	558455	5160485	MG-FG, light gy, 'gritty' olivine Gb	4	202	125	331
27465 D West	35	558455	5160485	50% above and 50% very rusty MG Gb	8	206	190	404
27466 D West	33	558455	5160485	Similar to sample 27464	13	124	176	313
27467 D West	28	558455	5160485	MG, medium gy Gb	42	58	32	132
27468 D West	47	558455	5160485	As above but with rust: magnetic: <1/2% sulphides	10	91	88	189
27469 D West	40	558455	5160485	Similar to sample 27464	6	7	8	21
27470 D West	30	558455	5160485	MG, medium greenish gy, slightly rusty, moderately magnetic Gb	3	104	56	163
27471 D West	53	558455	5160485	MG-FG, medium gy, rusty, magnetic Gb	12	120	82	214
27472 D West	18	558455	5160485	MG gy and green, magnetic Gb: tr po/cp	7	158	215	380
27473 D West	24	558455	5160485	MG-FG Gb/An	1	50	60	111
27474 D West	58	558455	5160485	MG, medium gy, magnetic Gb with 3-5% (po90cp10)	7	125	145	277
7475A D West	56	558455	5160485	As above- but with 1-3% (po90cp10); some blue quartz	7	88	72	167
7475B D West	33	558455	5160485	MG, greenish gy, non magnetic Gb/An	1	19	10	30
27476 D East	40	558475	5160480	MG dark gy- rarely magnetic Gb: sample length estimated MG-CG Gb with spotty patches; non to moderately magnetic; rare po specs; wormhole	1	6	5	12
27477 D East	54	558475	5160480	texture: HS (hand sample)	30	141	128	299
27478 D East	92	558475	5160480	Similar to above but more magnetic, CG, rust and more po	9	106	87	202
7479A D East	83	558475	5160480	As above but very magnetic	6	77	62	145
7479B D East	41	558475	5160480	As abovebut more rust; rare po and less CG Gb	10	69	48	127
27480 D East	44	558475	5160480	As above	14	57	69	140
27481 D East	84	558475	5160480	MG-CG dark gy, slightly rusty, variably magnetic Gb	20	132	117	269
27482 D East	69	558475	5160480	MG-CG, dark greenish gy Gb: moderate rusty, very magnetic with 'worm hole texture'	9	37	31	77
27483 D East	46	558475	5160480	As above	11	76	66	153
27484 D East	73	558475	5160480	As above but with less rust	18	104	78	200
27485 D East	48	558475	5160480	Very similar to 27477 and 27482 (1/2% sulphides)	35	247	224	506
27486 D East	99	558475	5160480	As above; moderate to very magnetic	20	93	87	200
27487 D North	36	558465	5160540	MG-CG greenish gy Gb; moderately magnetic: 1/2% po on edge of rock	38	137	177	352
27488 D North	17	558465	5160540	As above but more sulphides; moderately rusty	12	129	186	327
27489 D North	78	558465	5160540	As above but with irregular worm hole texture	20	106	79	205
27490 D North	33	558465	5160540	MG, dark gy, magnetic Gb with <1/4% fine sulphides	8	68	103	179

27491	D North	63	558465	5160540	As above	8	51	50	109
27492	D North	107	558465	5160540	As above	4	109	124	237
27493	D North	90	558465	5160540	MG, dark gy Gb with <1/4% cp and some mica: worm hole texture: HS	57	207	224	488
27494	D North	68	558465	5160540	MG, dark gry Gb with 2-3% (cp80po90); few 3-5 mm cp veinlets: worm hole texture	42	184	118	344
27495	D North	45	558465	5160540	MG-CG, medium gy quartz gabbro with olivine (?): HS	5	38	9	52
27496	D North	49	558465	5160540	MG, dark gy, magnetic Gb with 1/2% sulphides; similar to 27490	14	110	37	161
27497	D North	89	558465	5160540	Similar to 27494 with 1-2% sulphides with some 1/2 cm cp clots	36	337	100	473
27498	D North	69	558465	5160540	MG, dark gy, rusty, magnetic Gb with 2-4% cp	22	176	137	335
27499	D North	37	558465	5160540	MG, dark green, non magnetic, chloritized Gb with minor cp and garnets; HS	3	51	42	96
27500	D North	44	558465	5160540	MG, light and dark grey, non magnetic 'quartz gabbro': HS	2	66	89	157
27501	D South	66	558490	5160145	MG, dark green, non to moderately magnetic Gb with 1/4-1/2% sulphides; chloritized	15	100	79	194
27502	D South	78	558490	5160145	MG, dark gy Gb with 1/2% (po80cp20); variably magnetic	13	73	49	135
27503	D South	46	558490	5160145	MG, medium gy, non magnetic olivine Gb(?); HS	1	9	5	15
27504	D South	106	558490	5160145	MG, dark gy, rarely magnetic, very rusty Gb: minor sulphides	8	101	75	184
27505A	D South	92	558490	5160145	MG, dark gy Gb, variably magnetic, slightly rusty; some shiny sulphides; Dana black; HS	6	67	53	126
27505B	D South	45	558490	5160145	MG, medium greenish gy (chloritized), non magnetic Gb with tr sulphides; some biotite	22	69	257	348
27506	D South	81	558490	5160145	MG, medium gy, non magnetic, olivine Gb/Norite with trace sulphides and trace mica	30	90	68	188
27507	D South	86	558490	5160145	MG, dark gy, moderately rusty, weakly magnetic Gb with schiller Hb Xtals	10	153	95	258
27508	D South	79	558490	5160145	MG, dark gy, slightly rusty, rotten, weakly magnetic, Gb	4	83	43	130
27509	D South	103	558490	5160145	MG, medium gy, moderately rusty, weakly magnetic Gb	10	79	51	140
27510	D South	76	558490	5160145	MG, medium gy, non magnetic olivine gabbro/norite: HS	5	118	60	183
27511	D South	89	558490	5160145	MG, dark gy, moderately rusty, moderately magnetic Gb with trace cp	6	106	70	182
27512	D South	39	558490	5160145	As above but with small pin head sulphides	6	100	33	139
27513	D South	59	558490	5160145	MG, dark gy, non magnetic Gb/Norite with trace sulphides	1	17	20	38
27514	D South	36	558490	5160145	As above: no sulphides	1	14	18	33
27515	D South	18	558490	5160145	MG, medium gy, non magnetic, very rusty Gb/norite: big sample	23	167	232	422
27516	D South	28	558490	5160145	As above	6	190	118	314
27517	D South	21	558490	5160145	MG, medium grey Gb: non to very magnetic	1	49	51	101

Appendix 2



# AGAT Laboratories

## Certificate of Analysis

AGAT WORK ORDER: 13U740774

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

### Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Jul 26, 2013

DATE RECEIVED: Jul 26, 2013

DATE REPORTED: Aug 09, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg	Au ppb	Pd ppb	Pt ppb
MB-1 (4590402)		0.44	2	3	9
MB-2 (4590403)		0.80	<1	37	8
MB-3 (4590404)		0.78	1	11	20
MB-4 (4590405)		0.74	1	5	13
MB-5 (4590406)		0.52	1	12	15
MB-6 (4590407)		0.62	1	8	13
MB-7 (4590408)		1.20	8	47	67
MB-8 (4590409)		0.74	14	4	10
MB-9 (4590410)		0.50	1	6	21
MB-10 (4590411)		0.90	<1	8	15
MB-11 (4590412)		1.12	3	28	21
MB-12A (4590413)		0.84	36	29	50
MB-13 (4590414)		0.76	1	5	15
MB-14 (4590415)		1.52	14	50	47
MB-15 (4590416)		1.88	32	89	139
MB-16 (4590417)		1.00	16	125	85
MB-17 (4590418)		0.64	8	48	69
MB-18 (4590419)		2.18	1	26	25
MB-19 (4590420)		0.86	<1	6	8
MB-20 (4590421)		2.32	23	65	69
MB-12B (4592297)		1.30	16	37	37

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 13U746537

PROJECT NO: RIVER VALLEY

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

### Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 13, 2013

DATE RECEIVED: Aug 13, 2013

DATE REPORTED: Aug 22, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au	Pd	Pt
	Unit:	kg	ppb	ppb	ppb
	RDL:	0.01	1	1	5
FRR-1 (4644549)		1.72	37	45	52
FRR-2 (4644550)		1.08	27	14	11
FRR-3 (4644551)		0.36	9	115	70
FRR-4 (4644552)		1.18	365	69	59
FRR-5 (4644553)		1.66	50	60	52
FRR-6 (4644554)		1.02	6	30	22
FRR-7 (4644555)		1.18	34	179	178
FRR-8 (4644556)		1.72	22	89	61
FRR-9 (4644557)		1.44	14	128	156
FRR-10 (4644558)		1.96	<1	15	10

Comments: RDL - Reported Detection Limit

Certified By:

# Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)					
DATE SAMPLED: Sep 19, 2013		DATE RECEIVED: Sep 19, 2013		DATE REPORTED: Oct 02, 2013	
		SAMPLE TYPE: Rock			
Analyte:	Sample Login Weight	Au	Pd	Pt	
Unit:	kg	ppb	ppb	ppb	
RDL:	0.01	1	1	5	
27351A (4752972)	2.06	13	4	<5	
27351B (4752973)	1.68	57	148	117	
27352 (4752974)	1.28	132	188	198	
27353 (4752975)	2.42	27	79	77	
27354 (4752976)	2.76	18	121	156	
27355 (4752977)	5.18	16	84	106	
27356 (4752978)	2.20	12	52	58	
27357 (4752979)	5.76	23	72	74	
27358 (4752980)	5.40	15	63	145	
27359 (4752981)	4.78	7	65	51	
27360 (4752982)	5.96	31	119	126	
27361 (4752983)	6.12	13	74	85	
27362 (4752984)	6.34	25	92	97	
27363 (4752985)	3.80	19	68	73	
27364 (4752986)	3.42	22	47	64	
27365 (4752987)	1.16	8	29	18	
27366 (4752988)	3.06	11	92	100	
27367 (4752989)	2.84	11	46	29	
27368 (4752990)	1.44	26	32	50	
27369 (4752991)	3.38	27	56	73	
27370 (4752992)	2.90	7	50	64	
27371 (4752993)	3.48	10	91	123	
27372 (4752994)	1.38	4	29	54	
27373 (4752995)	3.68	3	21	32	
27374 (4752996)	3.52	8	107	204	
27375 (4752997)	3.42	<1	5	<5	
27376A (4752998)	4.90	6	200	159	
27376B (4752999)	1.96	14	111	97	
27377 (4753000)	2.72	2	47	50	
27378 (4753001)	1.86	32	257	161	
27379 (4753002)	2.92	44	238	194	

Certified By:





# Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)					
DATE SAMPLED: Sep 19, 2013		DATE RECEIVED: Sep 19, 2013		DATE REPORTED: Oct 02, 2013	
		SAMPLE TYPE: Rock			
Analyte:	Sample Login Weight	Au	Pd	Pt	
Unit:	kg	ppb	ppb	ppb	
RDL:	0.01	1	1	5	
27380 (4753003)	4.34	26	301	269	
27381 (4753004)	2.20	8	129	138	
27382 (4753005)	1.88	22	234	191	
27383 (4753006)	3.26	45	324	313	
27384 (4753007)	1.16	14	241	224	
27385A (4753008)	3.14	3	54	25	
27385B (4753009)	2.42	18	25	16	
27386 (4753010)	4.38	5	133	115	
27387 (4753011)	2.40	22	132	106	
27388 (4753012)	2.60	16	39	35	
27389 (4753013)	1.30	41	317	359	
27390 (4753014)	3.10	19	170	148	
27391 (4753015)	1.54	35	136	70	
27392 (4753016)	1.20	29	201	164	
27393 (4753017)	2.40	62	81	77	
27394 (4753018)	3.56	29	70	61	
27395 (4753019)	3.80	11	79	80	
27396 (4753020)	1.96	26	263	330	
27397 (4753021)	2.06	7	84	60	
27398A (4753022)	2.16	11	333	366	
27398B (4753023)	1.66	4	66	59	
27399 (4753025)	4.36	4	59	60	
27400 (4753026)	3.20	29	177	129	
27401 (4753027)	1.36	6	105	122	
27402 (4753028)	5.06	34	287	182	
27403 (4753029)	7.06	52	201	171	
27404 (4753030)	4.06	89	294	188	
27405 (4753031)	1.66	30	74	77	
27406 (4753032)	6.24	7	88	26	
27407B (4753033)	1.52	15	84	49	
27408 (4753034)	2.98	15	107	58	

Certified By: Y. Chan.



## Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

5623 McADAM ROAD  
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 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

### Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Sep 19, 2013

DATE RECEIVED: Sep 19, 2013

DATE REPORTED: Oct 02, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au	Pd	Pt
	Unit:	kg	ppb	ppb	ppb
	RDL:	0.01	1	1	5
27409 (4753035)		3.66	7	78	47
27410 (4753036)		2.16	7	160	46
27411 (4753037)		1.84	<1	16	28
27412 (4753039)		2.00	6	10	<5
27413 (4753040)		2.54	16	42	38
27414 (4753041)		0.86	8	32	16
27415 (4753042)		2.30	26	194	112
27416 (4753043)		2.36	16	40	43
27417 (4753044)		3.08	28	66	51
27418 (4753045)		2.16	5	84	64
27419 (4753046)		3.84	73	239	204
27420 (4753047)		4.02	157	597	238
27421 (4753048)		2.80	22	255	200
27422 (4753049)		2.42	11	148	116
27423 (4753050)		3.60	22	54	60
27424 (4753051)		1.08	6	36	72
27425 (4753052)		3.14	39	394	419
27426 (4753053)		4.04	13	178	132
27427 (4753054)		3.28	46	108	124
27428 (4753055)		1.78	15	34	39
27429 (4753056)		1.86	1	5	<5
27430 (4753057)		2.14	8	55	41
27431 (4753058)		5.06	33	131	120
27432 (4753059)		2.68	3	18	8
27433 (4753060)		3.26	18	151	88
27434 (4753061)		3.18	17	100	103
27435 (4753062)		4.04	<1	8	9
27436 (4753063)		2.10	16	44	76
27437 (4753064)		3.40	25	79	84
27438 (4753065)		3.10	<1	3	<5
27439 (4753066)		1.42	4	5	6

Certified By:

# Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

 5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

**Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)**

DATE SAMPLED: Sep 19, 2013

DATE RECEIVED: Sep 19, 2013

DATE REPORTED: Oct 02, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au	Pd	Pt
	Unit: RDL:	kg 0.01	ppb 1	ppb 1	ppb 5
27440 (4753067)		2.16	32	901	79
27441 (4753068)		2.48	22	87	123
27442 (4753069)		1.78	3	13	<5
27443 (4753070)		4.00	22	114	123
27444 (4753071)		3.54	23	196	207
27445 (4753072)		3.20	17	87	58
27446 (4753073)		4.02	7	44	57
27447 (4753074)		3.86	5	118	87
27448 (4753075)		3.42	10	65	52
27449 (4753076)		2.08	5	12	7
27450 (4753077)		4.50	35	123	63
27451 (4753078)		3.62	17	91	92
27452 (4753079)		3.76	16	123	176
27453 (4753080)		5.48	7	89	79
27454 (4753081)		4.72	23	136	123
27455 (4753082)		4.08	19	216	173
27456 (4753083)		3.54	19	163	123
27457 (4753084)		2.52	28	171	163
27458 (4753085)		1.72	14	28	7
27459 (4753086)		2.06	3	2	<5
27460 (4753087)		1.58	11	7	<5
27461 (4753088)		3.68	10	102	62
27462 (4753089)		2.92	11	34	26
27463 (4753090)		5.10	19	44	59
27464 (4753091)		1.18	4	202	125
27465 (4753092)		1.80	8	206	190
27466 (4753093)		1.94	13	124	176
27467 (4753094)		1.98	42	58	32
27468 (4753095)		4.42	10	91	88
27469 (4753096)		2.06	6	7	8
27470 (4753097)		1.86	3	104	56

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)					
DATE SAMPLED: Sep 19, 2013		DATE RECEIVED: Sep 19, 2013		DATE REPORTED: Oct 02, 2013	
		SAMPLE TYPE: Rock			
Analyte:	Sample Login Weight	Au	Pd	Pt	
Unit:	kg	ppb	ppb	ppb	
RDL:	0.01	1	1	5	
27471 (4753098)	3.56	12	120	82	
27472 (4753099)	1.16	7	158	215	
27473 (4753100)	2.32	<1	50	60	
27474 (4753101)	4.24	7	125	145	
27475A (4753102)	2.46	7	88	72	
27475B (4753103)	3.12	<1	19	10	
27476 (4753104)	1.72	<1	6	<5	
27477 (4753105)	2.90	30	141	128	
27478 (4753106)	4.28	9	106	87	
27479A (4753107)	5.34	6	77	62	
27479B (4753108)	3.30	10	69	48	
27480 (4753109)	2.52	14	67	69	
27481 (4753110)	5.52	20	132	117	
27482 (4753111)	3.26	9	37	31	
27483 (4753112)	2.98	11	76	66	
27484 (4753113)	3.80	18	104	78	
27485 (4753114)	2.18	35	247	224	
27486 (4753115)	5.88	20	93	87	
27487 (4753116)	2.24	38	137	177	
27488 (4753117)	0.96	12	129	186	
27489 (4753118)	5.28	20	106	79	
27490 (4753119)	1.52	8	68	103	
27491 (4753120)	2.62	8	51	50	
27492 (4753121)	6.34	4	109	124	
27493 (4753122)	3.72	57	207	224	
27494 (4753123)	3.76	42	184	118	
27495 (4753124)	2.54	5	38	9	
27496 (4753125)	2.34	14	110	37	
27497 (4753126)	3.92	36	337	100	
27498 (4753127)	4.24	22	176	137	
27499 (4753128)	2.10	3	51	42	

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 13U760358

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)					
DATE SAMPLED: Sep 19, 2013		DATE RECEIVED: Sep 19, 2013		DATE REPORTED: Oct 02, 2013	
				SAMPLE TYPE: Rock	
Analyte:	Sample Login Weight	Au	Pd	Pt	
Unit:	kg	ppb	ppb	ppb	
RDL:	0.01	1	1	5	
27500 (4753129)	1.94	2	66	89	
27501 (4753130)	4.50	15	100	79	
27502 (4753131)	4.92	13	73	49	
27503 (4753132)	3.32	1	9	<5	
27504 (4753133)	5.28	8	101	75	
27505A (4753134)	5.18	6	67	53	
27505B (4753135)	2.22	22	69	257	
27506 (4753136)	4.00	30	90	68	
27507 (4753137)	5.08	10	153	95	
27508 (4753138)	4.60	4	83	43	
27509 (4753139)	6.10	10	79	51	
27510 (4753140)	4.00	5	118	60	
27511 (4753141)	4.06	6	106	70	
27512 (4753142)	1.48	6	100	33	
27513 (4753144)	3.70	<1	17	20	
27514 (4753145)	2.56	<1	14	18	
27515 (4753146)	1.98	23	167	232	
27516 (4753147)	3.00	6	190	118	
27517 (4753148)	0.78	1	49	51	
27407 (4756182)	4.84	12	100	48	

Comments: RDL - Reported Detection Limit  
 Version 2: Results reported in units ppb from method 202055.

Certified By:





**AGAT** Laboratories

# Certificate of Analysis

AGAT WORK ORDER: 13U767461

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)					
DATE SAMPLED: Oct 07, 2013		DATE RECEIVED: Oct 07, 2013		DATE REPORTED: Oct 18, 2013	
SAMPLE TYPE: Rock					
Analyte:	Sample Login Weight	Au	Pd	Pt	
Unit:	kg	ppb	ppb	ppb	
Sample ID (AGAT ID)	RDL:				
27425 (4811799)	1.00	43	375	374	
27440 S (4811800)	0.70	174	1940	65	
27440 R (4811801)	0.46	19	122	54	

Comments: RDL - Reported Detection Limit

**Certified By:**

Kevin Matomara



## Certificate of Analysis

AGAT WORK ORDER: 13U767461

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: RACICOT CONSULTING

ATTENTION TO: FRANK RACICOT

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)															
DATE SAMPLED: Oct 07, 2013	DATE RECEIVED: Oct 07, 2013					DATE REPORTED: Oct 18, 2013					SAMPLE TYPE: Rock				
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Sample ID (AGAT ID)	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
27440 S (4811800)		3.8	1.12	10	18	21	<0.5	<1	0.17	<0.5	13	1390	1090	>10000	21.3
	Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
	Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
27440 S (4811800)		22	10	10	0.14	9	8	0.80	166	1.1	0.03	>10000	293	34.6	27
	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
27440 S (4811800)		>10	13	4.6	87	10	7.2	<10	<10	<5	0.17	<5	<5	793	<1
	Analyte:	Y	Zn	Zr	Cu-OL	Ni-OL									
	Unit:	ppm	ppm	ppm	%	%									
Sample ID (AGAT ID)	RDL:	1	0.5	5	0.01	0.01									
27440 S (4811800)		2	76.8	<5	1.09	1.03									

Comments: RDL - Reported Detection Limit

Certified By:



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Se	< 10	< 10	0.0%																	
Sn	11	13	16.7%																	
Sr	9.9	9.6	3.1%																	
Ta	< 10	< 10	0.0%																	
Te	< 10	< 10	0.0%																	
Th	< 5	< 5	0.0%																	
Ti	0.19	0.22	14.6%																	
Tl	< 5	< 5	0.0%																	
U	< 5	< 5	0.0%																	
V	52.7	52.8	0.2%																	
W	< 1	< 1	0.0%																	
Y	13	14	7.4%																	
Zn	86.5	87.9	1.6%																	
Zr	38	61																		

**Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)**

Parameter	Sample ID	REPLICATE #1		RPD																			
		Original	Replicate																				
Au	4811799	0.0428	0.0446	4.1%																			
Pd	4811799	0.375	0.348	7.5%																			
Pt	4811799	0.374	0.317	16.5%																			

*Cu 1.04%*  
*Ni 1.03%*