

2011 MacGregor Assessment Work Report

Prospecting & Assay Survey

Performed on Claims:

4249447

4249448

4249449

4249450

4249446

MacGregor, Thunder Bay Mining Division, Ontario

Prepared for:

China Metallurgical Exploration Corp. (CME)

(145 Riviera Drive, Unit 7, Markham,
Ontario L3R 5J6, Canada)

Submitted by **Keystone Associates Inc. (KA)** for **CME**

August, 2011

TABLE OF CONTENTS

List of Figures	iii
List of Tables	iii
List of Appendices.....	iii
1. Introduction	1
2. Claims, Location, and Access	1
2.1. Property Description and Ownership.....	1
2.2. Property Location and Access.....	2
3. Regional Geological Setting	5
4. Historical Work	6
5. Prospecting Survey	6
5.1. Activities & Log Overview	6
5.2. Sampling Method	6
6. Results.....	9
7. Interpretation & Discussion	9
8. Conclusion.....	10
9. References	10

List of Figures

Figure 1: Claim Layout Map.....	2
Figure 2: MacGregor Property Location Map.....	3
Figure 3: MacGregor Property Access Map.....	4
Figure 4: MacGregor Geology Map.....	5
Figure 5: MacGregor West Grid Map	7
Figure 6: MacGregor East grid map.....	8

List of Tables

Table 1: MacGregor Property Claim Identity	1
Table 2: MacGregor Property Coordinates	1

List of Appendices

Appendix 1 Field Notes_East.....	Independent File
Appendix 2 Field Notes_West.....	Independent File
Appendix 3 GPS Track Records.....	Independent File
Appendix 4 MacGregor Assay Results.....	Independent File
Appendix 5 MacGregor East Grid Map.....	Independent File
Appendix 6 MacGregor West Grid Map.....	Independent File

1. Introduction

CME's MacGregor property and claims were acquired by CME in February 2010 due to its potential of hosting base metal and VMS deposits.

In May 2011, prospecting was performed by a group of 3 geology professionals on this property to gather valuable geological information as a basis for further exploration work.

2. Claims, Location, and Access

2.1. Property Description and Ownership

CME's MacGregor property has an eastern part and a western part. The MacGregor West Property consists of 1 unpatented mining claim (4249446) and the MacGregor East Property consists of 4 contiguous unpatented claims. Specific information including coordinates, layout of the claims is provided in **Table 1**, **Figure 1** and **Table 2**. Coordinates were taken at the estimated center of the claims from the Ontario claims map website. The total area is approximately 11 km².

Table 1: MacGregor Property Claim Identity

Township/Area	Claim Number	Recording Date	Claim Due Date
MACGREGOR (West)	4249446	2009-Aug-04	2011-Aug-04
MACGREGOR	4249447	2009-Aug-04	2011-Aug-04
MACGREGOR	4249448	2009-Aug-04	2011-Aug-04
MACGREGOR	4249449	2009-Aug-04	2011-Aug-04
MACGREGOR	4249450	2009-Aug-04	2011-Aug-04

Table 2: MacGregor Property Coordinates

Claim Number	Longitude	Latitude	Units
4249446	88° 53' 19.84" W	48° 34' 41.64" N	16
4249447	88° 49' 40.88" W	48° 35' 23.30" N	16
4249448	88° 50' 01.14" W	48° 34' 37.70" N	12
4249449	88° 48' 44.87" W	48° 34' 47.55" N	14
4249450	88° 47' 29.16" W	48° 35' 02.54" N	10



Figure 1: Claim Layout Map

2.2. Property Location and Access

CME’s MacGregor Properties are located in Northwestern Ontario, specifically in MacGregor Township, Thunder Bay Division. The closest town is Thunder Bay, which is approximately 45 to 50 km southwest of the claims (**Figure 2**). The MacGregor properties are accessible by highway 11 / 17. The center of east property is accessible by Eldorado Beach Road and Wong Road; however, the gate is often locked without permission. The west property is accessible through a property that sells firewood, and then pass through the highway alignment project. Several smaller roads, which can be viewed in Google Maps, allowed quick access to other sections of the grid (**Figure 3**).

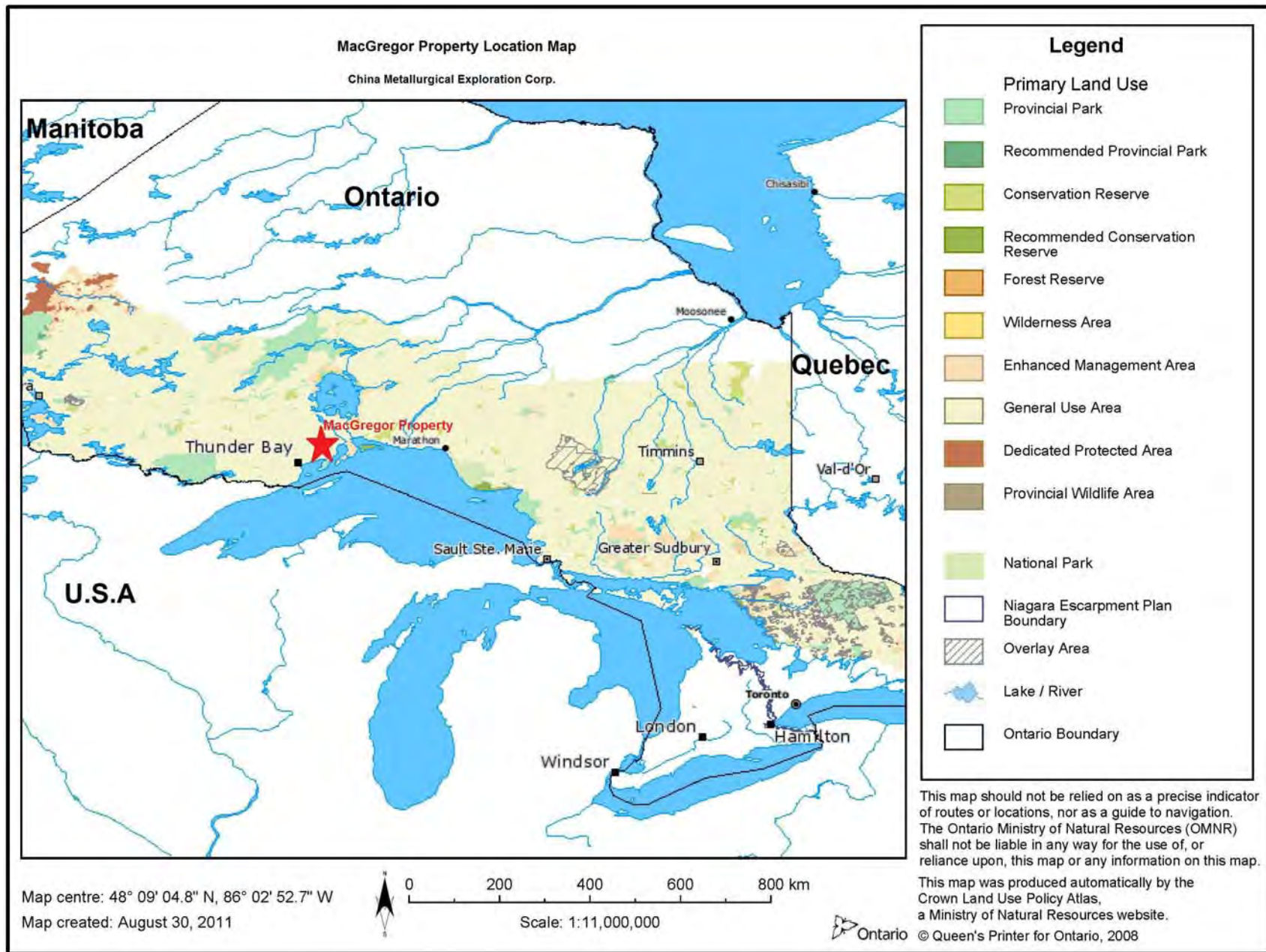


Figure 2: MacGregor Property Location Map

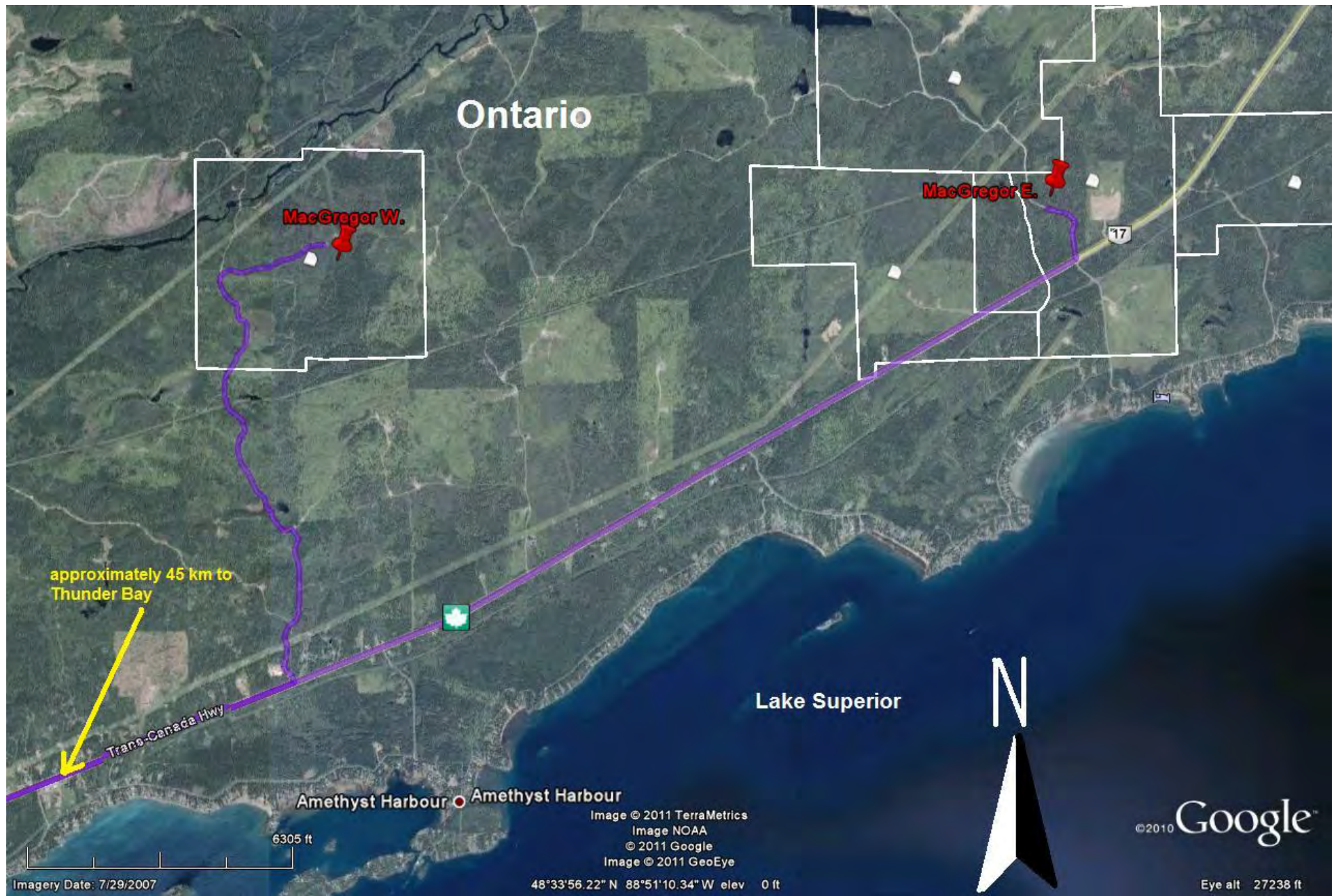


Figure 3: MacGregor Property Access Map

3. Regional Geological Setting

MacGregor Township was mapped in 1984 and 1985 by Scott (1986), shown in Figure 4. The township is underlain by Archean and Proterozoic rocks.

The Archean rocks consist of two cycles of felsic to mafic metavolcanics, and associated meta-sediments from the I Abitibi-Wawa Subprovince. Unconformably overlying this sequence are Proterozoic clastic and chemical sediments from the Animikie Group. The metavolcanics strike east, and generally face to the south. The foliation is parallel to the major units, and dips subvertically. The Proterozoic sequence is sub-horizontal to gently southerly dipping.

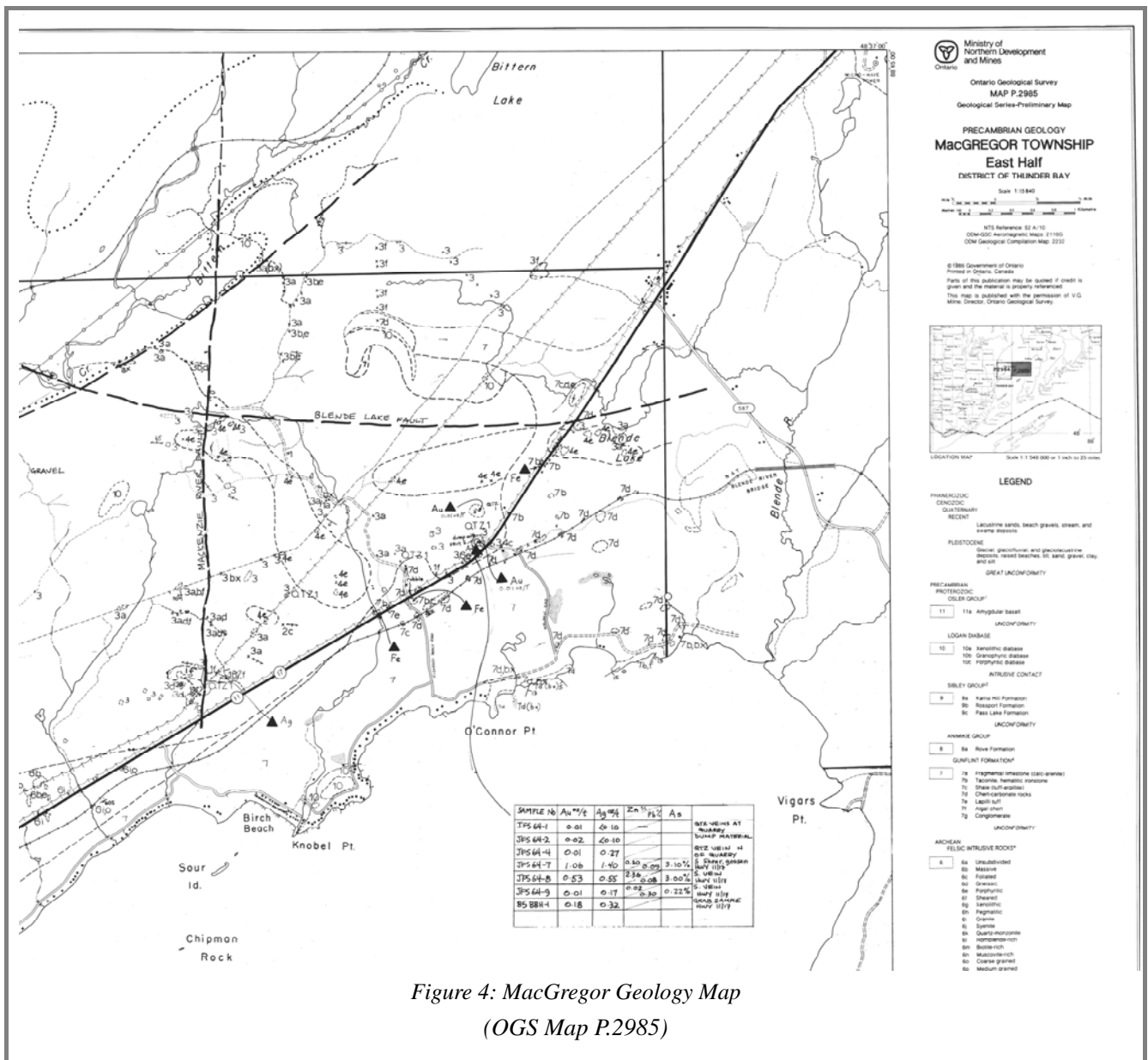


Figure 4: MacGregor Geology Map (OGS Map P.2985)

4. Historical Work

The area has previously been explored mainly for silver and amethyst. Scott of the Thunder Bay Resident Geologists office in 1986 reported assays of up to 1.06 oz./ton Au from two mineralized zones near Highway 11-17. A claim was staked by D. Thibault covering the two zones and subsequently optioned to Esso Minerals Canada. An additional seven claims were staked surrounding the optioned claim and geological mapping, grab sampling and soil geochemical surveys carried out.

5. Prospecting Survey

5.1. Activities & Log Overview

In order to better understand the property geology and collect its geochemical information, in May, 2011, a rock collecting was carried out by KA on behalf of CME over its MacGregor property.

From May 13 to May 27, 2011, three contracted geology professionals by the names of David Grabiec, Justin Thompson and Patrick Belshaw identify mineralization and collected rock samples on both the MacGregor West and East Properties. They met with Marc Gaudreau (VP of Keystone Associates) in Thunder Bay on May 13 where they acquired the necessary equipment and supplies for the project. The accommodations were at the MacKenzie Inn on the Trans Canada Hwy. Rock collecting began at the north end of the MacGregor West Property on May 14 and continued southward until the property was finished on May 17. On May 18, the samples were organized and notes were consolidated. On May 19, rock collecting began at the north end of the MacGregor East Property. Several roads in the area allowed for easy access to different sections. By May 26, the entire MacGregor West Property was completed. From there, the remaining samples were organized and prepared for two regional geologists working for the MNDMNF on May 27. They reviewed some samples and toured areas that contained interesting samples.

5.2. Sampling Method

A total of 140 samples were taken. Refer to figure 5 and 6 for claim boundary and traverse lines.

Traverse lines were spaced 100 meters apart along the north-south axis across the entire length of claims. The prospectors zigzagged along their west-east traverse lines ensuring that the entire grid was adequately sampled. Accuracy of the GPSs was never greater than 5m. Flagging tape was tied around a rock on the ground and / or an adjacent tree where the rock sample was taken.

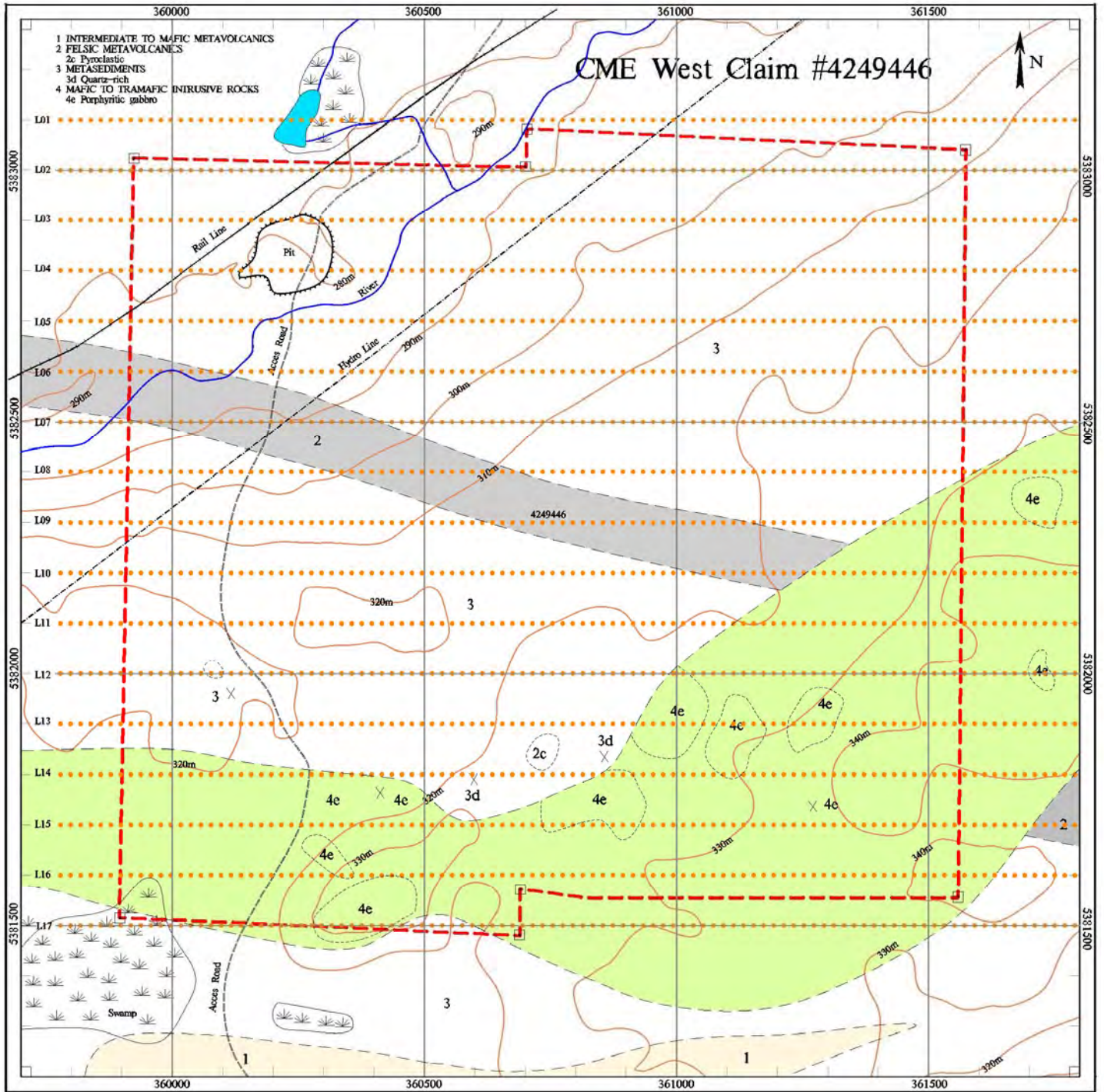


Figure 5: MacGregor West Grid Map

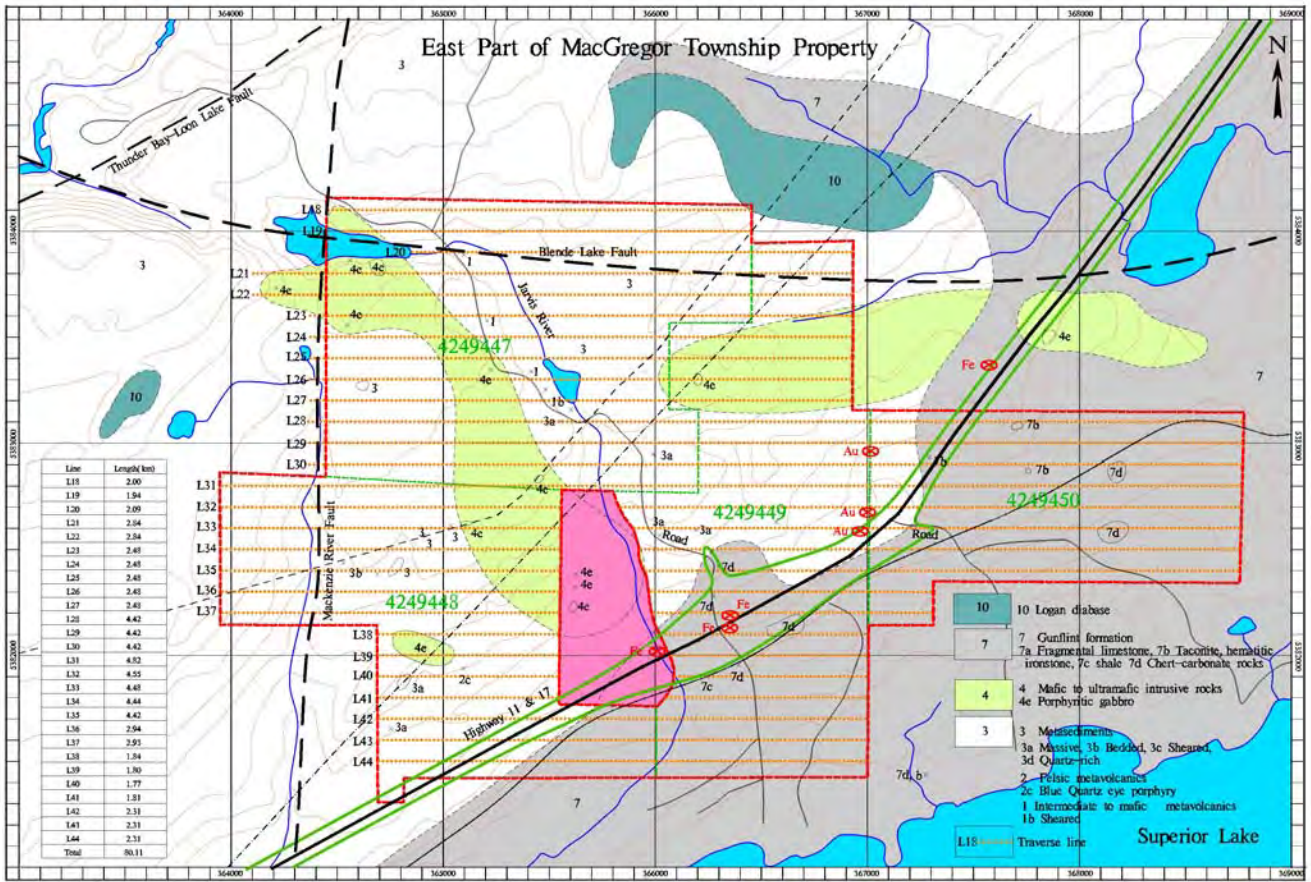


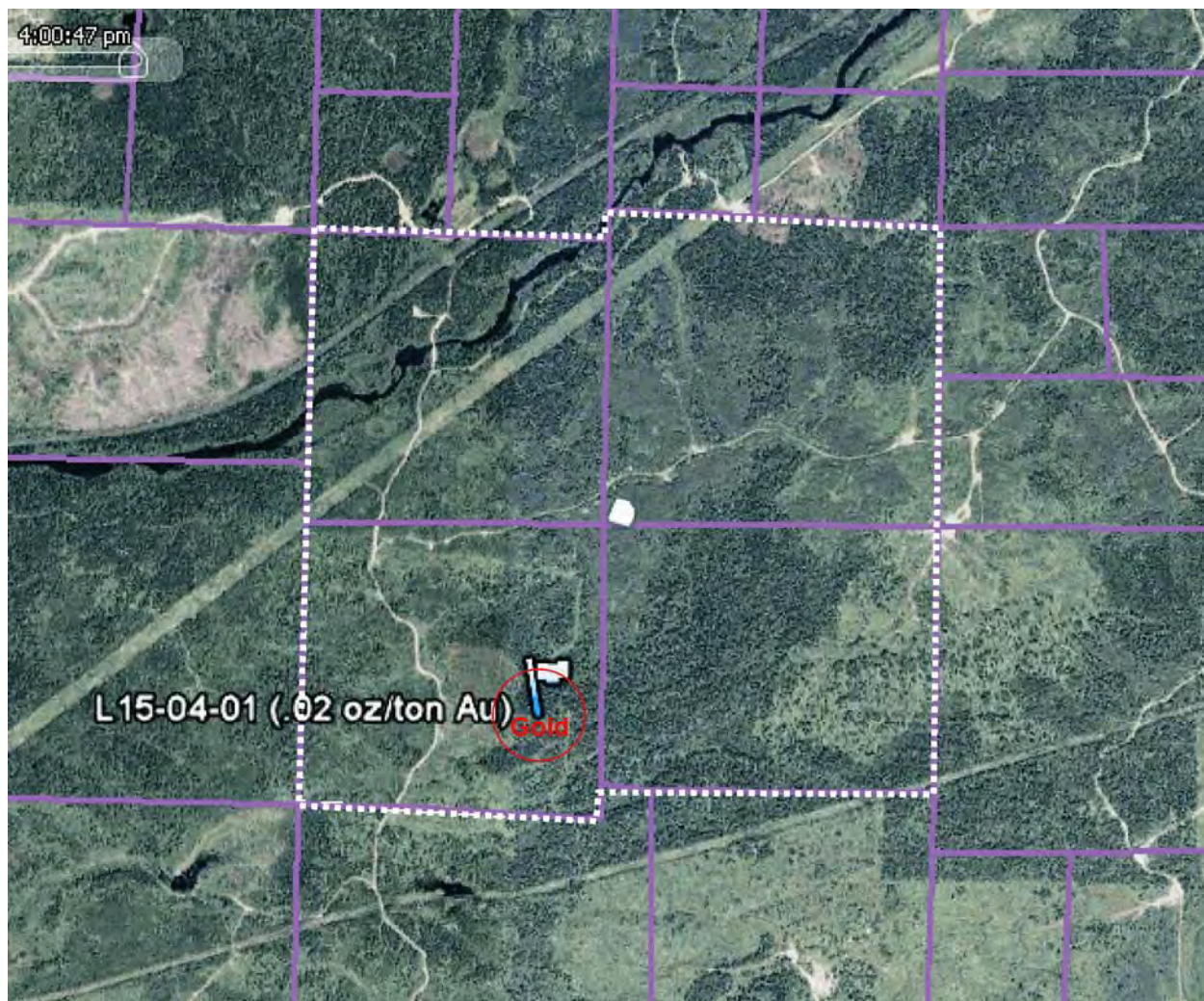
Figure 6: MacGregor East grid map

6. Results

The survey was successful in improving the geological boundaries previously mapped by the Ontario Geological Survey and in identifying locations with elevated mineral potential. The commodity sampling suite includes Au, Ag, Cu, Ni, Fe and PGE's. Au, Ag and Fe are identified in a number of locations well above anomalous.

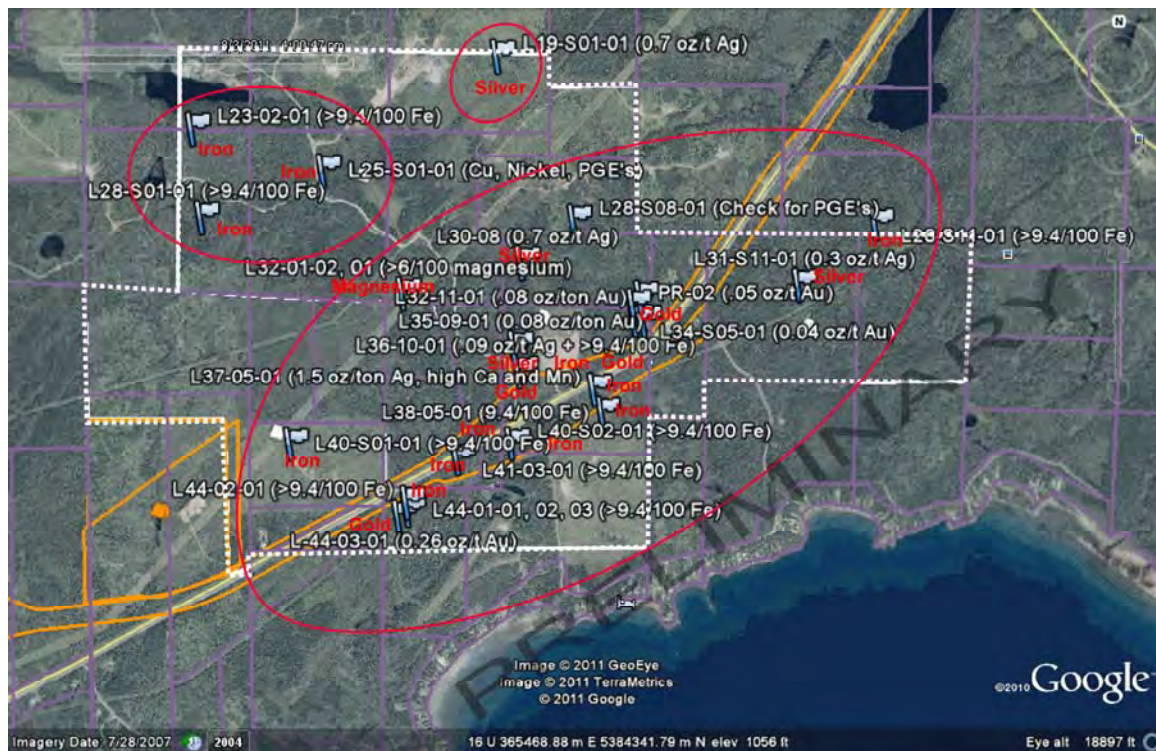
7. Interpretation & Discussion

West claim block:



Sample L15-04-01 returned 0.02 oz/ton Au. The location lies within the gabbro. The gabbro in this area was noted in the field notes of the field team to be intermixed with metasediments.

East claim block:



The assay results have identified two obvious locations of “clustering” of iron, gold and silver. The iron samples were resampled after the initial sampling method as they were above the maximum detection limit. The iron result averages 30 – 35 percent Fe. The anomalous iron locations lie 1. In the northwest part of the claims block 2. Along, beside and within the highway 11/17 corridor traveling along the south portion of the claims block.

8. Conclusion

The above mentioned locations identified in the map areas showing elevated to anomalous mineral values should be mapped in detail to determine their potential. Detailed mapping will determine the location of additional rock sampling. Additional outcrop mapping and sampling will assist in evaluating the next phase of the work program. PGE's, Ni and Cu were not identified in the regional sampling assays to have further potential. As with historical exploration in the area, one of the areas with highest commodity values lies close to and within the vicinity of the highway 11/17 corridor.

9. References

- Regional geology taken from AFRI file no. 52A10SW0005
- Exploration history taken from AFRI file no. 52H07SW0005
- OGS Map
- MNDMF Claimaps
- Google Earth
- Ministry of Natural Resources Map

Appendix 1 Field Notes_MacGregor East

Daily Log
 May 19, 2011 ①

Started track @ 8:30 am
 Walking towards fur route line.
 036281 → TRUCK
 5382168

Started line 23 @ 9:20
 Finished west side of ~~river~~
 river @ 11:45

Started line 26 - west of river @ 11:50

Lunch @ 12:15 - 12:35

Continued line 26: finished @ 2:00

Started line 27 @ 2:30

D6.

Arrived back @ truck @ 5:00
 Go to get supplies

L23-01-01 2 L23-02-01 2a

0364359 5383591	332 elevation	0364547 5383617	234 elevation
--------------------	---------------	--------------------	---------------

- finer grained gabbro outcrop
- no metamorphism
- biotite
- some mica
- mapping purposes

- gabbro outcrop
- very broken up rock
- fine grained
- high meta morphosed
- large amount of rust
- little biotite / mica

0364461
5383629

- medium grained gabbro outcrop
- similar to above sample
- did not require sample
- mapping purposes

D6.

L23-03-01 3

0364572 319m elevation
5383577

- highly metamorphosed rock
- unsure whether a gabbro/meta
- signs of melt
- quartz veins (2cm)
- very fine grained
- a mass of quartz
- small quartz crystals
- FLOAT ROCK

After the Rain DG

L23-04-01 3a

0364657 318m elevation
5383641

- highly metamorphosed gabbro
- large 3cm quartz veins
- fine grained
- not porphyritic
- very angular float - very large
- large enigma? subinclusions
- rock in one that similar
- lots of it

After the Rain DG

L23-05-01 4

0365195 303m elevation
5383559

- fine grained gabbro
- outcrop
- along access road
- no special features
- mapping purposes
- some phenocrysts

After the Rain DG

L23-06-01 4a

0365334
5383341

- fine grained gabbro outcrop
- no interesting features
- slightly rust characteristics

After the Rain DG

26-02-01 5

0363141 310m elevation
538332

- metasediment outcrop
- plenty of red minerals
 - possibly Fe-bic origin
- layering / banding of diff minerals
- outcrop (exposed) is 30m wide
- definitely worth looking at
- Redding?
- iron stone

26

26-03-01 5a

0365133
5383299

- Followed exposed outcrop
- now a more plain metasediment
- few features
- some sulphides
- mapping purposes

26

26-04-01 6

0364893
5383313

- along Wang road
- metasedimentary outcrop
- could not recover sample
- mapping purposes
- some signs of additional metamorphism

26

26-04-01 6a

0364818 711m elevation
5383331

- VERY VERY interesting rock
- angular float rock
- size: 5ft x 5ft x 4ft
- rock contains a poorly sorted / well rounded rocks that range from 30cm to less than one cm
- rocks are generally of a gneiss origin
- matrix has some waxy characteristics
- very strange to find
- found along Wang Rd
- too big for road
- too big to be transported to build road?

26

7
 L29-01-01
 0364387
 5383038

- large metasediment outcrop
- some veining > 5cm
- high energy environment
 - lots of twisting & fracturing
- very fine grained

DS

7a
 L29-02-01
 0365316
 5382952 303m

Metasediment outcrop

- no special features
- mapping purposes

DS

8
 L29-03-01
 0365544
 5382980

- metasediment outcrop
- small fractures & veins
 - less than 5mm
- running in north to south direction
- along powerlines

L29-04-01
 0365540
 5382980

- metasediment float
- large quartz
 - 4cm wide / disconti
- very irregular

DS

May 20, 2011 LOG D.S. 9

Started line 32 @ 9:05 am

Lunch @ 12:00-12:15

Finished west of view, line 32 @ 12:30

Finished line 35 @ 3:15 pm

Started line 38 @ 3:30 pm

Finished line 38 @ 5:30 pm

At the truck just before 6 pm

Line 38 had very few outcrops & interesting float -> lots of

DS

<p>L35-02-01 9a</p>	<p>L32-01-01 10</p>
<p>0364893 5382378</p>	<p>0365687 5382727</p>
<p>-metasediment outcrop -heavily fractured rock with intrusions of quartz that all as wide as 5cm</p>	<p>-found large outcrop of mixed rock: -gabbro - fine grained -metasediment -lanpophyre -sample -possibly a lanpophyre -biotite -coarse grained -large 2m x 1m -positioned so that it was likely formed within the outcrop if overlaid</p>
<p style="text-align: right;">DB</p>	<p style="text-align: right;">DB</p>

<p>L32-01-01 L32-01-02 10a</p>	<p>L32-01-03 11</p>
<p>0365687 5382378 5382727</p>	<p>0365687 5382727</p>
<p>-heavily metamorphosed gabbro -outcrop -some biotite -not porphyritic -in a major component of the outcrop -biotite crystals -very interesting quartz-like intrusions - red in colour</p>	<p>-gabbro outcrop -dark coloured / green -fine grained -large outcrop ~ 10m x 10m -mound -just off powerline access</p>
<p style="text-align: right;">DB</p>	<p style="text-align: right;">DB</p>

L32-02-01 12

0365634
5382730

- gabbro outcrop
- porphyritic texture
- mapping purposes
- some red veining

St. John's D6.

L32-03-01 12a

0365580
5382651

- similar gabbro outcrop
- interesting green (light) color
- some small, green, white fragments

0365520
5382701

- gabbro outcrop
- in samples
- mapping purposes

D6.

L32-04-01 13

0364682
5382719

- metasediment outcrop
- undeformed
- large outcrop ~ 30m wide x 10m L

St. John's D6.

L32-04-02 13a

0364679
5382717

- metasediment outcrop
- interesting rusty yellow mottling
- possibly a mica

D6.

<p>L32-04-03 14</p> <p>0364679 5382719</p> <ul style="list-style-type: none"> - metasediment fragment - might not be from outcrop but lying on top though - sediment layers / bedding - iron beds - some staining - red - highly metamorphosed - quartz crystals - some sulphur minerals - worth looking @ in future 	<p>L32-05-01 14a</p> <p>0364546 5382723</p> <ul style="list-style-type: none"> - metasediment - large likely float rock - vein - 10.5 cm wide - contains - quartz
D6	D6

<p>L32-06-01 15</p> <p>0364254 5382749</p> <ul style="list-style-type: none"> - metasediment outcrop - some interesting quartz veins - 3mm wide - continuous - not very decomposed rock - little sulphides 	<p>L32-07-01 15a</p> <p>0364245 5382681</p> <ul style="list-style-type: none"> - metasediment float outcrop - metasediment outcrop - large quartz veins - greater than 3cm
D6	D6

L35-01-01 16 16a
 0364089
 5382381
 - metasediment outcrop
 - several fractures
 - no wavy
 - some quartz in sample
 - no fossiliferous outcrop
 - no intersecting features
 - no sample - mapping
 D.G.

L35-02-01 17 17a
 0364270
 5382405
 - lampbrush outcrop
 - shows 2m x 1m exposure
 - biotite
 - coarse texture
 - dark colour - dark grey
 - metasedimentary outcrop
 - large fragments of quartz around
 outcrop \rightarrow possibly fault
 - sample has some intersecting sulphide
 ? quartz
 - dark colour
 - medium texture
 D.G.

L35-04-01 18

0364989
5382416

- 20 meters from L39-83-01
- ~~not a dike~~
- fine grained gabbro

0364952
5382433

- gabbro outcrop

W. of the line D.G.

L35-05-01 18a

0365511
5382371

- float - very angular
- could very well have been
from UTK1 correlative

- highly metamorphosed
- quartz
- mica
- pyrite

W. of the line D.G.

L35-06-01 19

0365559
5382375

- gabbro outcrop
- undeveloped plagioclase
- mafic
- fine grained

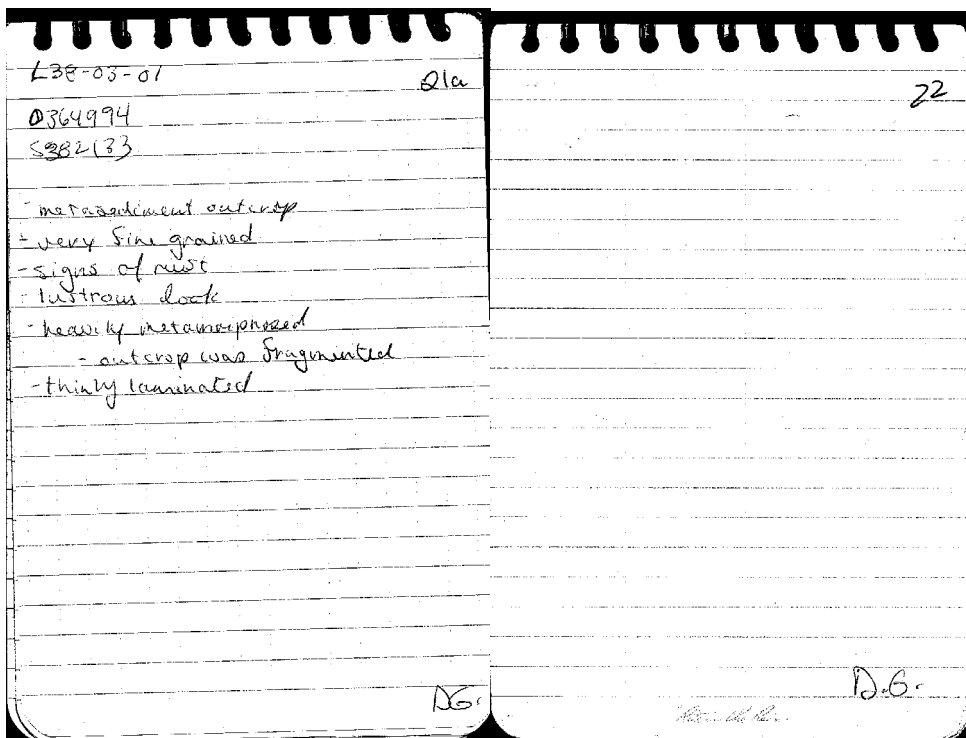
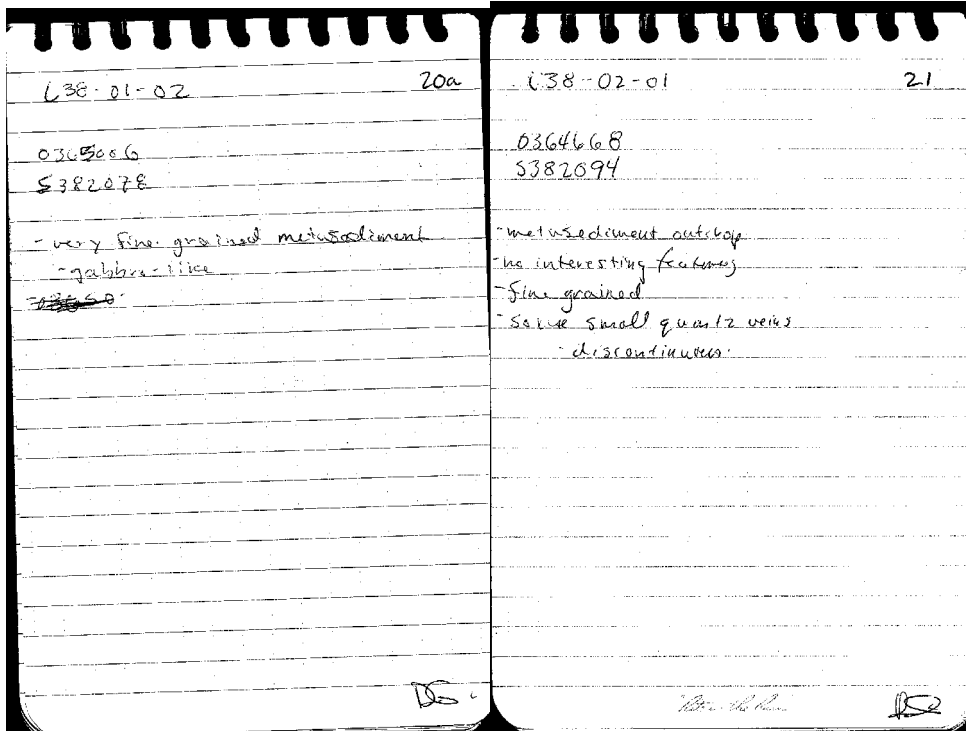
W. of the line D.G.

L38-01-01 20

0365124
5382099

- highly metamorphosed metasediment
- outcrop
- interestingly fine grained
- some quartz & sulphides
- lighter colour

W. of the line D.G.



<p>May 21, 2011</p> <p>Started line 20 @ 9:05</p>	<p>206 22a</p> <p>L20-01-01</p> <p>0364945</p> <p>5383701</p> <ul style="list-style-type: none"> - Fine grained gabbro outcrop - some quartz intrusions - not porphyritic - along an exposed rock slope - 10m x 5m 	<p>23</p>
---	---	-----------

DB

<p>L20-02-01</p> <p>0364881</p> <p>5383891</p> <ul style="list-style-type: none"> - gabbro outcrop - some quartz - not outcropped - medium grained - fine texture - mapping purposes 	<p>23a</p> <p>L20-03-01</p> <p>0364755</p> <p>5383869</p> <ul style="list-style-type: none"> - gabbro outcrop - along steep slope - contains some light green minerals - medium grained - no quartz - mapping purposes <p style="text-align: right;">Lepidote?</p>	<p>24</p>
--	--	-----------

DB

24a

0365794
5384604

very bedded
metasediment outcrop
- irregular
- fractures, flat pieces

- last rock quarry
- Everything else of access road / river has been a low level swamp - no signs of outcrops

L25-04-01

25

0366536
5383950

- large metasediment outcrop
- size 10m x 10m
- low sulphides
- outcrop
 - flat
 - fractures / jointing in all directions
 - no quartz veins
- mapping purposes

D.G.

L23-06-01

26

0366930
5383598

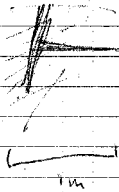
- metasediment outcrop
- highly metamorphosed
- quartz is abundant
- some sulphides
- bordering a swamp / river

L26-06-01

26a

0366192
5383340

- metasediment outcrop
- very sporadic ironing
- not quartz
- generally in one direction
- every 1 cm



D.G.

L26-05-01 27

0365848
5383284

-metasediment outcrop
size = 5x5m
-mapping purposes
-wavy textures

Sketch the thin P.G.

28

036464
5383307

-metasediment outcrop
-no distinct features

Sketch the thin P.G.

L26-07-01 28a

0365558
5383287

-metasediment outcrop
-heavily stained
-quartz veins
-large crystals → 1cm
-width 6cm
-continues

L26-07-02
-large quartz vein

L26-07-03
-metamorphosed quartz / metasediment
-walk sampling

Sketch the thin P.G.

29

~~0365558~~ 036807
5383001

-quartz float
~~quartz~~
-fine grained
-little alteration

Sketch the thin P.G.

227-05-01 29a
 5366807
 5383001
 - metasediment outcrop
 - tree stump
 - no veining
 - very little alteration
 - fine grained
 - low quartz + sulphides
 - mapping purposes

D.S.

229-06-01 30
 0366717
 5382997
 - interesting flat rock
 - large lenticles
 - lft < 4 ft
 - coarse grained
 - generally black in colour, with
 yellow + beige crystals

D.S.

227-07-01 30a
 0366162
 5382975
 - metasediment outcrop
 - large ball
 - no interesting features yet
 - fine grained
 - very little sulphides

D.S.

227-07-01 31
 LITLY LOG =
 - started line 41 @ 9:25 am
 - west side of access road
 2 perimeter
 - finished @ 10:45 am
 - started line 44 @ 10:50 am
 - north of highway
 - finished @ 11:55
 - finished earlier because of
 approaching thunder storms
 from varied sources
 - very slippery conditions from last
 night's heavy rain.
 - heading back to coordinate samples
 2 previous work.
 - done today.

D.S.

L41-02-01 31a

0364816
5381777

- metasediment outcrop
- some veining
- brecciated contact
- small quartz
- interesting weathered textures
- sample
- quartz
- brecciated possibly

D.G.

L41-01-01 32

0364725
5381804

- metasediment
- appears to be float but could very well be outcrop
- interesting veining? crystals
- quartz
- vast matrix

D.G.

May 33
Daily log

Started line 29 @ 8:55 am

D.G.

L29-06-01 33a

0367026
5382990

- metasediment float
- found on one window grid had been found previously
- quartz vein
- large / continuous
- 5 cm wide
- angular rock
- found in base of window
- area is all metasediment fragments

D.G.

L27-05-01 34

0367021
S383007

- Metasediment
- large float
- possibly an outcrop
- no interesting features
- for mapping purposes

P.G.

L27-07-01 34a

0367052
S383003

~~metasediment float~~

- large → 1m² km
- interesting weathering etc exterior
- waxy
- fractured in a conoidal fashion
- fine grained

(I) on

P.G.

L27-08-01 35

0367014
S383009

- metasediment
- large float
- lots of random veining
- interesting crystals
- high metamorphosed
- fine grained
- cross cutting veining
- white looking

L27-08-02 Same UTM

- metasediment outcrop

P.G.

L27-09-01 35a

0366999
S383007

- metasediment outcrop
- found under fallen trees
- highly fractured
- some veining
- darker color released than normal

L27-09-02

same UTM

- highly metamorphosed
- metasediment outcrop
- pyrite / sulphides / quartz veins

P.G.

L29-10-01 36

0366868
5382994

- metasediment outcrop
- long ridge
- some sulphides

D.G.

L32-08-01 37

0366913
5382703

- metasediment
- large boulder
- could be part of outcrop
- area contains a vast area of large fragments of metasediment, many a highly deformed with a large amount of biotite, quartz, sulphides: pyrite

L32-08-02

- metasediment float
- high metamorphism
- quartz, pyrite,
- red in colour

D.G.

L32-08-03 37a

same W.M.

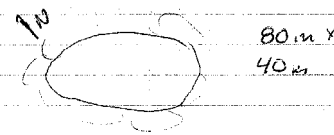
- unexposed float
- small quartz veins
- pyrite, biotite

L32-09-01 38

0366945
5382694

clear/green colour

- metasediment area → float
- outcrop surrounds a lake



- lake is in excess of 30 ft deep
- accessible by road

sample:

- large quartz vein
- gold coloured pyrite
- high metamorphism
- crystals have formed
- biotite, quartz, mica

D.G.

L32-09-02	38a	L32-11-01	39
Saw outcrop as L32-09-01		0366989 5382710	
<ul style="list-style-type: none"> - high metamorphosed - part of outcrop - pyrite / sulphides - crystallized metasediment - quartz vein <ul style="list-style-type: none"> - 2 cm wide - continuous 		<ul style="list-style-type: none"> - large fragment of rock - not outcrop but definitely came from area - interesting quartz face - metasediment 	
L32-10-01		L32-12-01	
0366939 5382685		0366981 5382705	metasediment outcrop
<ul style="list-style-type: none"> - heavily rusted - very yellow coloring - angular float rock 		<ul style="list-style-type: none"> - sulphide rich - quartz veining - colour colours ? rust - pyrite 	D.G.

L32-13-01	39a GREAT AREA TO REVIEW	L32-15-01	40
0366982 5382690	VAST outcrop	0366814 5382705	
<ul style="list-style-type: none"> - metasediment outcrop - discontinuous quartz veins - approximately 2 ft wide 		<ul style="list-style-type: none"> - porphyritic gabbro outcrop 	
some pyrites core cherting in area		L32-16-01	
L32-14-01		0366650 5382722	
0366987 5382673	very fine grained green colour		
<ul style="list-style-type: none"> - metasediment outcrop - mica, biotite, pyrite, sulphides 		<ul style="list-style-type: none"> - porphyritic gabbro outcrop - large area of gabbro everywhere 	D.G.

Mapping 40a

0366536
5382651

- gabbro outcrop
- medium grained
- smaller ~~phenocrysts~~ phenocrysts

L32-17-01

0366501
5382693

- gabbro outcrop
- large quartz veins → 2cm wide
- amphiboles
- fine grained

41

L32-18-01

0366268
5382705

- metasediment outcrop
- uprooted trees
- large quartz veins
- continuous
- well containing
- very fine texture

~~0366211~~

0366211
5382724

- metasediment outcrop
- quartz inclusions
- fine grained - darker colour DG
 thin in the thin

L35-06-01

0366302
5382372

40a

- Summit 20 m. east of main access road
- 300 m north of highway

- massive outcrop of incredibly metamorphosed metasediment
- large crystals
- very red in colour
- large quartz veins
- prismatic-like at times
- *rather siliceous*

- sample L35-06-01
- flat → limestone
- red
- very interesting
- red quartz crystals

42

L35-07-01

0366312
5382402

- metasediment outcrop "rusty"
- highly fractured
- easy to break
- very fine grained
- blue / green colour
- small biotite ? pyrite

L35-08-01

- outcrop
- metasediment
- white / brown in colour
- pyrite

0366320
5382426

thin in the thin DG

L35-09-01 42a

0366278
S382434

- calcareous fcll
- limestone
- metasediment
- outcrop

L35-09-02

0366298
S382434

- outcrop → metasediment
- highly metamorphosed
- quartz veins
- red colouring

L35-10-01 43

0366357
S382878

- metasediment outcrop
- very fine grained
- green / blue / yellow colour
- small quartz vein

L35-11-01

0366546
S382389

- porphyritic gabbro
- very likely a outcrop =
- mapping purposes.

D6.

L35-12-01 43a

0366581
S382409

- metasediment outcrop
- 10m x 20m visible
- very plain feature
- some quartz intrusions

L35-13-01

0366585
S382422

- metasediment
- fine grained
- sandy appearance
- friable layers
- green in colour.

L35-14-01 44

0366675
S382414

- fine grained metasediment
- green tint to rock
- outcrop
- biotite
- rusty layering / bedding ~ 5cm

D6.

L38-04-01 45

0366195
5382111

-outcrop:
-not a metamorphic rock
-limestone / chert
-siliceous
-white

D.G.

May 25, 2011 Daily Log 1

Started line 29 @ 9:00 am
-area is covered by fragments of the surficial formation
-presence of laminar limestone
-large developed quartz crystals
-red & light green in colour
-siliceous texture
-very fine grained

Started line 32 @ 10:45
Finished 32 @ 12:30
Started line 35 @ 12:35
Finished line 35 @ 2:25
Started line 38 @ 2:57
Finished line 38 @ 4:10 D.G.

L29-03-01 la

0367919
3382963

-gabbro outcrop
-matrix gabbro
-dark green colour
-small phenocrysts

L29-01-01 2

0367478
3382952

-outcrop
-possibly a fine grained gabbro
-blue / green colour
-some pyrite / fool's gold

D.G.

L29-12-01	Jä	L29-14-01	3
0367502		0368313	
5382990		5383033	
<ul style="list-style-type: none"> - gabbro outcrop - darker green colour - biotite / pyrite - medium grained - quartz intrusions on exterior - found along gabbro hill. 		<ul style="list-style-type: none"> - hematitic ironstone outcrop - wavy bedding - thin beds - quartz intrusions - medium grained - found along abandoned train tracks 	

L32-19-01	3a		4
0368125		0367323	
5382708		5382725	
<ul style="list-style-type: none"> - limestone - large fragments are abundant - could be outcrop - silicious - interesting band - mapping purposes. 		<ul style="list-style-type: none"> - gabbro outcrop - medium grained - dark green colour - biotite → small amount - small phenocrysts 	
<hr/> 0367639 5380662			
<ul style="list-style-type: none"> - area is covered by - hematitic ironstone limestone - fragmented limestone - some rounded gabbro - No signs of outcrops yet. 			

L32-20-01 Ya

0367146
5382674

- metasediment outcrop
- dark blue colour
- very fine texture
- low sulphides
- some small quartz intrusions
- little metamorphism
 - no fractures
 - no deformation

L32-21-01 S

0367186
5382723

- metasediment outcrop
- quartz vein
 - large crystals
 - over inch wide

L32-21-02

- lamprophyre
 - 2m wide by 3m long
- dark black / brown
- coarse grained
- biotite / mica present.

Black line *DS*

L32-21-03 Sa

- quartz vein found within metasediment
- metasediment is fine grains
- low sulphides
- evidence of pyrite

~~L32-21-03~~ L35-15-01 G

0366741
5382361

- metasediment outcrop
- dark blue / green
- very fine grained
- some sulphides
- bedding
- rust marks
- fractures easily.

Black line *DS*

L35-16²-01 6a
0366924
S382367
- shale outcrop
- fine grained
- dark green / olive colour
- wavy bedding
- continuous
- large quartz vein
- continuous
- 6 cm wide
L35-16²-02
- quartz vein
- large crystals

L38-05² 01 7
0366777
S382074
- found in a hole in forested field
- hole was 2m x 2m x 2m
- revealed only this rock type
- could be outcrop
- sample has clasts, some sulphide, pyrite
- worth sampling
- quartz intrusion / accumulation
- angular
- fine grained
- black to dark blue
- very fine grain siliceous

L38-06-01 7a
0366620
S382115
- hematite inclusions outcrop
- found along abandoned train track
- good bedding
- mapping purposes

May 26. Early Log. 8
Started @ 8:50 am
- line 41
Finished line 41 @ 10:20 am
Started line 44 @ 10:30 am
Found airport incinerator & runway
- grass runway
- vacant
- had been used lately
0366085
S381482

L44-03-01 9

0365979
5381024

- gneiss formation hematitic ironstone
- red
- very fine grained
- mapping purposes
- dark blue
- possible sulphides?

DS

L44-03-01 9a

0365651
5381509

- angular, large float
- ironstone with a quartz face
- dark blue
- fine grained
- quartz
- medium grained
- well developed

L44-03-02

- found right beside - likely the same rock as L44-03-01
- attached at one point
- coarse grained
- dark grey / olive

L44-01-01 10

0365706
5381543

- abandoned quarry
- pebbly sand
- 80m x 40m
- available access road
- highly weathered ironstone intruded by ~~gneiss~~ gabbro
- ironstone is fine grained, platy, breaks easy
- gabbro
- non porphyritic
- fine to medium grained
- continuous
- 2 inches wide
- sandwiched between ironstone

D.G.

L44-01-02 10a

- gabbro sample
- same as L44-01-01 description
- same UTM

L44-01-03

- same UTM
- same description as L44-01-01
- weathered ironstone

L44-02-01 11

0365698
5381586

- hematite concretions
- fine grained
- dark blue in red zone

Notes on the River DG

May 28, 2011 Two samples Ha

Procon Au MFD-01

UTM Zone E 15 ± 6m

E 06033326 E: 502m
5436458

- large pine fall over
- root system
- iron
- sample of loose quartz vein
- siliceous concretions
- fine disseminated sulphide
- 3/4 of way up hill
- heavily rusted
- red dirt
- other sample had quartz vein

Notes on the River DG

May 27, 2011 12

A R

- went w regional geologist to look @ samples that were interesting from east & west side
- drove to ^{Black} Spruce Motel - Upsala, ON.

Notes on the River

Justin Thompson May 19th ①

Starting at the highway walking in 8:38

9:50am starting point line 21 long walk

JT L21-01

Plain gabbro on top of a hill medium crystal size no phreocysts or mineralization outcrop

364776
3383803 321m

Notes on the River

JT L21 2
364313
5383819 315m

Gabbro outcrop on
a road could not get
a sample

JT L21
More gabbro on a rd
too dangerous to sample
364382
5383783 315m

JT 21-02 gabbro 3
outcrop on a road
buried pretty deep but
got a small sample
364482
5383773 319m

JT 21-03
gabbro outcrop under
uprooted tree on road
rich in biotite and sericite
364608
5383782

L21-04 4
Porphyritic gabbro
364682
5383777 323m

L21 364704
5383808
same gabbro till
further down the road

L21-05 5
Gabbro no mineralization
nothing interesting
fractures
365037
5383736

L21-01
Porphyritic coarse
crystal gabbro on
cliff face
365387
5383490 297m

L24-02 ⁶
 Meta sed angular
 Float with a Qtz vein
 365227
 S383479 302m
 Rusty colour inside

 L24-03
 gabbro at the side of
 a road No mineralization

 365188
 S383483

24-04 ⁷ Fine Gabbro
 364941
 S383489
 ?
 L24-05 JT May 19th
 364520
 S383475 305m
 -01 gabbro from a large
 outcrop on off a
 road (w/ha) very fracture
 full of veins

 -02 odd crumbly black
 and red material
 ↗
 Check it out!

L33 ⁸
 L30 found absolutely
 nothing

 L33 Angular float
 Meta-sedimentary rock
 fine grained no
 brecciation or mineral-
 ization
 364091
 S382626 311m

L33-01 ⁹
 Angular Gabbro float
 fine grain containing
 many small Qtz veins
 364234
 S382582

 L33-02
 Meta-sed outcrop
 Fine mat of siltstone
 some silica rich areas
 364230
 S382575

 L33-03
 Meta sed outcrop
 No signs of mineralization
 364799
 S382602 305m

10
 L33-04 51 May 20
 364853
 5382608 307m
 Meta sed slightly
 silicified some
 sulphides present

L33-05 Meta sed
 364862
 5382552
 Meta sed outcrop
 under the power lines
 Nothing interesting

11
 L33-06
 364946
 5382576 298m
 gabbro checker board
 veiny texture on top
 no signs of mineralization

L33-07 meta
 364983
 5382592 291m
 nose of the same
 gabbro, this has a
 rusty looking stain
 and that's what I
 sampled 2-3cm thick
 wide then goes under
 ground

12
 L33
 Porphyritic gabbro
 can't get a good
 sample, very fractured
 and a little veiny

L36
 gabbro porphyritic
 outcrop
 no mineralization
 no sample
 365435
 5382304

L36
 large gabbro floats
 no sign of meta sed
 contact even though
 I should have passed it
 364989
 5352306

13
 L36-01
 still can't find meta
 sed outcrop, starting
 to find angular float
 so I took a sample
 364822
 5382288

L36-02 first
 sight of meta sed
 no signs of mineralization
 but a 1cm Qtz vein
 wide
 364774
 5382323 294m

14

L36-03
 highly altered fine
 grained meta sed rock
 silvery mineral concentrated
 in spots, wrinkly surface
 364664
 5382278 292m

L36-04
 Angular meta sed float
 has a yellow gold looking
 mineral between cracks
 364620
 5382308 295m

15

L36-05
 364586
 5382317 288m
 Meta-sed rock with
 orange powdery mineral
 → lightly silty fine

L36-07-01
 Gabbro very fractured
 but normal other than that

-02 huge Qtz
 vein pieces are
 scattered

Q364510
 5382336 289m

16

L36 Meta Sed
 outcrop on land
 get a good sample
 but what I saw was
 boring
 364394
 5382255
 282m

L36-06
 364304
 5382308 287m
 fractured vein
 meta-sed outcrop
 some pyrite not very
 much silica

17

L36
 Meta-sed under
 an uprooted tree
 364202
 5382308 293

L36-01
 364691 319m
 5384109
 Meta-sed siltier
 mudstone, no mineralization
 not very altered
 May 21"

L18-04 19
Ounflint Shale
out crop
Q365689
S384126 329m
Drill core hole

L24-06 20
~~S366021~~
366398
S383452 281m
meta-sed with
some Qtz veins
no mineralization
not very interesting

L24-07 21
Q366594
S383464 279m
-01 meta sed rock
pretty boring
-02 3" Qtz vein
goes under ground
-03 2" widens then
goes underground

L27-02 #2 22
for rich Qtz
looks to be in
brecciated meta sed
366633 outcrop
S383238
L27 366533
S383249
Meta Sed outcrop
L27-03 366720
S38213 280m
meta sed outcrop
L27-01
input's boot
366712
S383180

23

L39-01
 Meta - Sed No. ma
 366917
 S381958

L39
 365021
 S381998
 26^m
 Meta sed boring

L39-02
 Meta Sed
 appears to have
 vertical layering
 366054
 S381998 270m

At the Hill

24

12:00 Pm T-Storms
 approaching, dangerous
 terrain, impassable swampy
 goodness and we are ahead
 of schedule. Organization
 laundry day half day

At the Hill

25

May 24 11:20 am
 367060 L39-01
 S382915 25
 Meta - sed outcrop on
 an outcrop

L39-02
 366964
 S382881 248m
 angular Meta Sed outcrop
 2 mm wide Qtz veins
 float

At the Hill

26

L39-03
 366930
 S382929 253
 7m x 15m x 10m
 outcrop
 Meta sed, no signs of
 mineralization or
 Qtz veins

L39-04
 366926 254m
 S382885
 Pile of iron stone
 float under rock
 at the top of a hill on
 meta-sed outcrop

At the Hill

L30
 Meta-Sediment
 hill
 0366854
 5382935
 25m

 L30-05
 366836
 5382922 270m
 Meta-sea interface
 under a fallen tree
~~rock~~ piece with a bit
 of sulphides and
 Qtz veins

28
 L3006
 0366584
 5382912 277m
 Angular gabbro
 float beside what
 appears to be gabbro
 outcrop that I couldn't
 get a sample of

 L3007-01
 Meta-sea float with
 1.5cm thick Qtz vein
 no visible gold or
 pyrite

 366526
 5382916

 -02
 brecciated meta-sea
 silicified sulphides

L33-11-01 28a
 366029
 5382608 235m
 highly silicified
 sulphides present
 vein

 L33-11-021-021
 366216
 5382588 233m
 sulphide contains
 meta-sea with Qtz
 vein

 -021
 possible Fimbelite/
 Lamprophyre

 -03 Meta-sea + Qtz
 vein

29
 L3008
 2" Qtz vein under fallen
 tree in meta-sea rock
 366338
 5382844 270m

 L30
 366310
 5382891 279m
 Large boring meta-sea
 outcrop

L33 29a
 Gabbro outcrop clearing
 366606
 S382606 251m

L33
 back to meta-sea
 366710
 S382622 250m

L33-10
 Huge gabbro outcrop
 by a pond
 366948
 S382667 244m

L33-08 30
 Meta-sea outcrop
 366156
 S382621 286m

L33-09
 Gabbro outcrop
 on cliff
 366811
 S382684 247m

L33-11-04 31
 Vesicular looking
 at 2 vein 1cm thick
 367007
 S382579 237m

L33-11-05
 Almost banded texture
 to the vein a little
 rust color

L33-11-06
 366987 241m
 Quartz and carbonate
 minerals growing on
 meta-sea rock

L36-00 32
 366413
 S382328 255m
 Gunflint Shale

L36-10
 366323
 S382394 262m
~~366323~~
 Possibly fine gabbro
 but it is different than
 anything I've seen

L30-09 33
 Gabbro outcrop
 under fallen tree
 nothing special
 367411
 S382884 260m

L30-10
 Gneiss formation
 unsure of rock type
 has a nice shiny
 tarnish to it
 367483
 S382895 257m

L33-12 34
 368142
 S382860 214m
 Meta-sed outcrop
 large grained

L33-13
 362166
 S382823 235m
 Meta sed outcrop
 at the side of the
 road

L33-14-01 35
 367041
 S382976
 Silica rich meta-sed
 with sulfide mineralization

L36-11
 Meta-sed outcrop
 fine grained
 very little Qtz veins
 no signs of mineralization
 366666
 S382320

L27-01 35a
 364184
 S383228 207m
 Meta sed with Qtz
 rusty looking crystals
 on the sides of it

L27-02
 Gabbro on the side
 of a road small
 grainsize scattered
 Qtz veins
 365492
 S383199

36

L36-12
 Meta-sed outcrop
 off the highway. Fine
 grained with sulphides
 occurring in tiny veins

366643
 5382308 232m

L36
 More meta-sed
 nothing special no sample

366658 538215

L36-13 Still Meta-sed
 366901
 5382322
 Outcrop contains
 sulphides

37

L36-14
 Gunk in Big outcrop
 pretty ordinary

L36-15 Piles of
 crushed meta-sed
 and gunk in a 200 x
 100m clearing

366570
 5381974

38

L42-01
 366092
 5381775 222m
 Gunk in outcrop
 on a sand ordinary
 and boring

39

PR-01
 Limonite with at
 veins, sulphides
 green ~~pl~~ outcrop
~~at~~ in muck
 pile 366949
 5382665 274m

PR-02
 Supr rich in
 sulphides float
 meta-sed very altered
 same site

PR-03

40

RR03
Sulphide Rich meta sed
at base next to a
Lamprophyre/matrix

RR-04
Lamprophyre, perfect
pyrite crystals

RR-05
Meta-sed with
reddish alteration and
nice cubic pyrite
crystals

41

RR-06
366726
538243.2 235m
Dip 40 or less, very hard,
black veins and late
veins. Pink weathered
surface contains
sulphides

42

Line	18	04
Line	19	01
Line	20	04
Line	21	05
Line	22	04
Line	23	06
Line	24	09
Line	25	04
Line	26	09
Line	27	03
Line	28	02
Line	29	16
Line	30	11
Line	31	10
Line	32	28
Line	33	21
Line	34	08
Line	35	18
Line	36	11
Line	37	08
Line	38	07
		209 215

43

Line	39	02
Line	40	02
Line	41	03
Line	42	01
Line	43	00
Line	44	06
RR-06		
PR		06
		239
		235
projects		
Both lines		325 total
		381

①
 8:38 am May 19, 2011 - began day
 9:30 am - reached line
 Patrick Belshaw May 19, 2011 10:00 am
 line 22 spot 01
 - 5383705 N
 0364117 W
 elev: 335 m
 - outcrop
 - sample of - lamprophyre, sulfides
 Patrick Belshaw May 19, 2011, 10:12 am
 line 22 spot 02
 5383676 N
 0364186 W
 elev: 329 m
 - outcrop
 - sample of - metasediment w/ quartz

②
 Patrick Belshaw May 19, 2011 10:28
 line 22 spot 03
 - 5383705 N
 0364315 W
 elev: 313 m
 - outcrop
 - sample of - lamprophyre
 Patrick Belshaw May 19, 2011 11:27 am
 line 22 spot 04
 - 5383718 N
 0365140 W
 elev: 309 m
 - outcrop
 - sample of - metasediment, w/ pyrite phenocrysts
 - small float rock included w/ better phenocrysts
 11:40 am headed to line 25
 11:50 am reached line 25

③
 Patrick Belshaw May 19, 2011 11:59 am
 line 25 spot 01
 - 5383411 N
 0365260 W
 elev: 316 m
 - outcrop
 - intermediate, w/ sulfides
 12:10 - lunch
 12:30 - ended lunch
 Patrick Belshaw May 19, 2011 12:37 pm
 line 25 spot 02
 - 5383389 N
 0365210 W
 307 m elev.
 - outcrop
 - sample of - gabbro

④
 Patrick Belshaw May 19, 2011 1:04 pm
 line 25 spot 03
 - 5383406 N
 0364615 W
 elev: 304 m
 - outcrop
 - sample of - metasediment w/ small amount of quartz crystallization
 1 inch wide quartz vein with iron present at 5383410 N
 0364606 W
 elev 312 m
 Patrick Belshaw May 19, 2011 1:56 pm
 line 25 spot 04
 - 5383408 N
 0364382 W
 elev: 307 m
 - outcrop
 - sample of - meta gabbro, w/ biotite

sample 02 - white veins of
retased with felsic
minerals mixed in
gabbro.

sample 03 - veins in gabbro
w/ sulfides of
intermediate comp.

sample 04 - porphyr. gabbro
with micas.

sample 05 - veins in porphyr.
gabbro w/ the
green minerals.

Patrick Belsham May 19, 2011 2:33pm
line 25 spot 05
- 5383439 N
0364559 W
elev: 313m

- outcrop / float
- sample 01 - metasediment
- sample 02 - larger ~~cell~~
developed quartz vein
in meta sed rock.

2:45 located to line 28

2:56 reached swamp near start
of L-28. proceeding
east to mine.

Patrick Belsham May 19, 2011 3:06pm
line 28 spot 01
- 5383138 N
0364596 W
Elev: 314m

- outcrop
- sample 01 - meta sediment
iron rich.

Patrick Belsham May 19, 2011 3:47
line 28 spot 02
- 5382996 N
0365004 W
elev: 316m

- outcrop
- meta sed.

3:30 - summary, heading NE
to access road.

"Return to the Mine"

Patrick Belsham May 19, 2011 4:27pm
line 28 spot 03
- 5383061 N
0365640 W
elev: 296m

- outcrop
- sample 01 - metasediment

~~8:00am~~ 5:00pm - end of day
8:40 am - started May 20, 2011

Patrick Belsham May 20, 2011 7:21am
line 31 spot 01
- 5382775 N
0365540 W
elev: 297m

- outcrop
- porphyritic gabbro.

"Return to the Mine"

Patrick Belsham May 20, 2011 9:37am
line 31 spot 02
- 5382741 N
0365660 W
elev: 301m

- outcrop
- sample 01 - porphyr. gabbro

Patrick Belsham May 20, 2011 9:43am
line 31 spot 03
- 5382757 N
0365640 W
elev: 292m

- outcrop
- line grazed gabbro.
(Hydro clearing)

"Return to the Mine"

9
 Patrick Belsham May 20, 2011 11:07
 line 31 spot 04
 - 5382776 N
 0364357 W
 elev: 301m
 - outcrop
 - metabasalt w/ quartz vein
 11:32 - end of line 31 - swamp
 12:00 pm - started line 34
 12:16 pm - lunch - started
 12:31 pm - lunch ended
 Patrick Belsham May 20, 2011 12:37 pm
 line 34 spot 01
 - 5382485 N
 0364183 W
 elev: 310m
 - outcrop
 - metabasalt with quartz and
 possible micaceous
 "Patrick Belsham"

10
 Patrick Belsham May 20, 2011 12:57 pm
 line 34 spot 02
 - 5382531 N
 0364371 W
 elev: 295m
 - outcrop
 - ~~from~~ sample of - iron rich
 quartz vein in metabasalt
 sample 02 - quartz vein in
 metabasalt
 - under upturned face
 Patrick Belsham May 20, 2011 1:22 pm
 line 34 spot 03
 - 5382483 N
 0364636 W
 elev: 291m
 - outcrop
 - quartz vein in weathered
 metabasalt, iron colour
 2:00 pm loaded for line 37
 2:26 pm reached line 37
 "Patrick Belsham"

11
 Patrick Belsham May 20, 2011 2:18 pm
 line 37 spot 01
 - 5382202 N
 0365098 W
 elev: 287m
 - outcrop (Hydro)
 - sample of - porphyr gabbro
 Patrick Belsham May 20, 2011 3:15 pm
 line 37 spot 02
 - 5382204 N
 0364728 W
 elev 284m
 outcrop
 - sample of - metabasalt
 w/ quartz, biotite
 to just east of ridge w/
 lots of outcrop
 - metabasalt - 5382176
 - mafic & basalt w/ - 0364643
 good quartz, elev: 287m
 "Patrick Belsham"

12
 2 sample of float bagged
 spot 03
 4:07 pm - ended (line 37) loading
 to meeting location
 5: - ended day
 9:00 - started day
 2nd main part of L-19, ob-
 sctructed by swamp
 lots of gabbros on L-19
 - siltstone outcrop at:
 5384026 N
 0365693 W
 w/ chert elev 297m
 Patrick Belsham May 21, 2011 11:00 am
 line 19 spot 01
 - 5384010 N
 0366210 W
 elev 295m
 outcrop
 - sample of - metabasalt, iron
 "Patrick Belsham"

13

11:20 - heading to line 22
 11:43am - lunch
 12:08pm - erected lunch
 12:19pm - starting L-22
 1:15pm - ended line 22
 1:30pm - reached L-25

Patrick Belsham May 21, 2011 2:20pm
 line 25 spot 06
 - 5383390 N
 0366286 W
 elev: 289m
 - outcrop
 - sample 01 - iron rich notated

Patrick Belsham May 21, 2011 2:28pm
 line 25 spot 07
 - 5383394 N
 0366286 W
 elev: 289m
 - outcrop
 - sample 01 - notated

"Not in the Rain"

14

Patrick Belsham May 21, 2011 2:48pm
 line 25 spot 08
 - 5383454 N
 0366572 W
 elev: 281m

- outcrop
 - sample 01 - fragments of quartz vein in meta sed.
 sample 02 - fragments of " " " " iron rich

3:10 - ended line 25
 3:15 - started 27 w/ J. J. J.

Patrick Belsham May 21, 2011 3:28pm
 line 27 spot 01
 - 5383190 N
 0366712 W
 elev: 284m
 - outcrop
 - iron rich notated

"Not in the Rain"

15

4:36pm - ended day
 9:30pm - started day 1 rain
 Foggy

Patrick Belsham May 22, 2011 10:02am
 line 40 spot 01
 - 5381910 N
 0365068 W
 elev: 261m
 - outcrop
 - iron rich meta sed

10:13 - headed South around camp
 10:30am - reached claim line
 heading L-43
 10:47am - reached L-43
 11:30pm - ended day off track
 - ahead of schedule
 - predicted thunderstorms (80%)
 - rain last night yielding unsafe conditions

"Not in the Rain"

16

heading back to collaborate on samples and discuss the project.

8:30am - started day 1 rain
 started as we made our way to the project. reports sus-pect it to continue all day. will try to make it out in the afternoon if it clears up.

9:30am - started day

"Not in the Rain"

17

Patrick Belsham May 23, 2011 9:07
 line 28 spot 04
 - 5383094 N
 0367261 W
 elev: 257m
 - outcrop
 - metabased with iron interson.

Patrick Belsham May 23, 2011 9:16am
 line 28 spot 05
 - 5383090 N
 0367290 W
 elev: 259m
 - outcrop
 - iron rich meta sed w/
 green silty layer on top.

Pat in the Rain

18

Patrick Belsham May 24, 2011 9:45am
 line 28 spot 06
 - 5383116 N
 0366729 W
 elev: 281m
 - outcrop
 - better metasediment near
 3-4e contact.

Patrick Belsham May 24, 2011 10:00am
 line 26 spot 07
 - 5383104 N
 0366654 W
 elev: 270m
 - metased w/sulf des.

Patrick Belsham May 24, 2011
 line 28 spot 08
 - 5383123 N
 0366622 W
 elev: 284m
 - outcrop
 - lamprophyre

19

Patrick Belsham May 24, 2011 10:15
 line 28 spot 09
 - 5383161 N
 0366607 W
 elev: 283m
 - outcrop
 S of metabased with metalles.
 S of contact of gabbro and
 metabased.
 lots of outcrop in area,
 mostly metabased.

Patrick Belsham May 24, 2011 10:52am
 line 28 spot 10
 - 5383137 N
 0366300 W
 elev: 289m
 - outcrop
 S-01 - iron rich metabased
 w/ possible sulfides.
 11:00am added line 28
 11:12am visited line 31.

Pat in the Rain

20

Swamp towards river here
 access R on 31, leading back.
 1:37 - lunch with Justin

Patrick Belsham May 24, 2011 12:00pm
 line 31 spot 05
 - 5382811 N
 0366051 W
 elev: 300m
 - outcrop
 - metasediment, iron present

Patrick Belsham May 24, 2011 12:11
 line 31 spot 06
 - 5382824 N
 0366528 W
 elev: 283m
 - outcrop
 - metasediment w/ good
 quartz crystallization and
 possible sulfides.

Pat in the Rain

21

Patrick Belshar May 28, 2011 12:26pm
 line 31 spot 07
 - 5382820 N
 0366414 W
 elev: 267m
 - outcrop (for large angular float)
 - gabbro w/ iron

Patrick Belshar May 28, 2011 12:58
 line 31 spot 08
 5382817 N
 0366531 W
 elev 269m
 - outcrop
 - sample of gabbro

5382780 N } another
 0366593 W } gabbro
 elev } outcrop

"Bliss in the Rain"

22

Patrick Belshar May 28, 2011 12:58
 line 31 spot 09
 - 5382793 N
 0366812 W
 elev 291m
 - outcrop
 - gabbro w/ sulfides

first metased after gabbro
 - 5382873 N
 0366850 W
 elev: 251m

- Swamp near highway, no
 cold band

1:36 - heading to L-34

Patrick Belshar May 29, 2011 2:00pm
 line 31 spot 04
 5382546 N
 0366963 W
 elev 276m
 - outcrop
 - quartz veins along highway

23

Patrick Belshar May 28, 2011 2:26pm
 line 34 spot 05
 - 5382594 N
 0366958 W
 elev 232m
 - outcrop (highway)
 - sample 01 - samples of
 quartz vein w/ sulfides
 - sample 02 - large pyrite
 crystals in metased
 w quartz vein

~~notes - mineral with platy
 texture present w/
 sulfides~~

- sulfides have a
 hornsted colour

- gabbro starting along highway
 at
 5382499 N
 0366883 W

"Bliss in the Rain"

23a

Patrick Belshar May 28, 2011
 line 34 spot 07
 - 5382469 N
 0366898 W
 elev 242m
 - outcrop
 - quartz vein along highway

Patrick Belshar May 24, 2011
 line 34 spot 08
 - 5382877 N
 0366701 W
 elev 260m
 - outcrop
 - iron rich metased w/
 sulfides

24

Patrick Belsham May 24, 2011
 line 34 spot 06
 - 5382474 N
 0366861 W
 elev 240m
 - outcrop
 - sample of - quartz vein
 in gabbros / siltites

Patrick Belsham May 24, 2011
 line 34 spot 09
 - 5382527 N
 0366690 W
 elev 248m
 - outcrop
 - lamprophyre

Pat in the Rain

25

Patrick Belsham May 26, 2011
 line 37 spot 07
 - 5382204 N
 0366367 W
 elev: 247m
 - outcrop
 - sample of - well netted
 sediment w/ iron
 and quartz

3:57pm - started day on
 L-28

Patrick Belsham May 25, 2011 9:50
 Line 28 spot 11
 - 5383109 N
 0368282 W
 elev 239m
 - outcrop
 - massive slate

Pat in the Rain and quartz

26

Patrick Belsham May 25, 2011 10:15
 line 28 spot 12
 - 5383086 N
 0368657 W
 elev: 242m
 - outcrop
 - sample of - bedded ironstone
 w/ carbonates
 - ironstone w/
 quartz crystalline

10:26 - headed to L-31
 10:50 - starting L-31

Patrick Belsham May 25, 2011 11:00
 line 31 spot 10
 - 5382841 N
 0368599 W
 elev: 222m
 - outcrop float
 - sample of - sedimentary w/
 chlorite and quartz

Pat in the Rain

27

Patrick Belsham May 25, 2011 11:30
 line 31 spot 11
 - 5382776 N
 0367863 W
 elev: 235m
 - outcrop
 - ironstone w/ silicates

Patrick Belsham May 25, 2011 12:00
 line 31 spot 12
 - 5382802 N
 0367471 W
 elev: 244m
 - outcrop
 - meta coal w/ quartz
 12:20 - heading to L-34
 12:30 - starting L-34

Pat in the Rain

28

Patrick Belshaw May 29, 2011 12:45pm
 line 34 spot 10
 - 5382442 N
 0366973 W
 elev: 230m
 - outcrop
 S-ol - quartz or calcite
 S-ol - quartz
 1:22pm - down line 34, looking
 to L-37
 2:53pm - started L-37
 Patrick Belshaw May 29, 2011 3:17pm
 line 37 spot 10
 - 5382200 N
 0366731 W
 elev: 237m
 - outcrop
 - network w/ carbonates

29

Patrick Belshaw May 29, 2011
 line 37 spot 05
 - 5382182 N
 0366569 W
 elev: 247m
 - possible outcrop
 - sample of siltstone w/
 very good quartz
 crystallization
 Pure GPS data for
 May 29, 2011 was comprimi-
 sed on his own fault
 8:53 - started down
 10:05 - ended L-43, looking
 to L-40
 10:30 - reached L-40

30

Patrick Belshaw May 26, 2011 11:01
 line 40 spot 02
 - 5381928 N
 0366278 W
 elev: 239
 - outcrop
 - gunflint shale
 Shale outcrop in river
 at! - 366088 W
 5381881 N
 elev 239m
 - gunflint
 11:25am - finished L-40
 12:04pm - finished day &
 project

31

drill hole search (PJ)

Patrick Belshaw May 28, 2011
 - 5436416 N
 0633444 W Spot 01
 elev: 475m
 - sample of iron meta-
 sed, good quartz,
 sample 02 - same
 west place 1
 - 5436386
 0633314
 elev 494m
 Patrick Belshaw May 28, 2011
 - 5436334 N
 0633349 W Spot 03
 elev: 480m

32

Sample 01 - large chunk
of quartz vein
Sample 02 - host rock,
sulfides around
quartz

"Return the Favor"

Appendix 2 MacGregor West Field Notes.

1

Dave Grabiec
Mac Gregor West

May 14, 2011
9:59 am

1a

3:45 - started L-05

4:15 - found till outcrop

0361289
5382674

- poorly sorted / well rounded
- similar to everywhere today

Finished day @ ~ 6:30

Found Post
10'10" 5383009
#4249446

Try to walk line
5383000 +/- 50m → 5383000

12:30
walked along north side of river

340 found post
4249446

T.6

2

L2-01-01
0360850
5383046

- float rock along bank of river
- interesting rock
- identification of sulphides
- only like it around:
- possible pyrite
- may have been transported a great distance
- angular shape

3

L2-02-01
0360708
5383048

- Found along river bank
- Represents the majority of stream rocks

~~0360708~~

0360729 Other
5382648

- small stream / road
- showed few feet of till
- nothing of interest
- well sort / rounded

D.6

4

L2-03-01

0360701
5383047

- Found along river bank
- represents rocks in area
- overall rock is angular
 - might not have been transported very far.
- till - well rounded
 - granite / meta sandstone

D.G.

5

L2-04-01

0361906
5383001

- meta sedimentary rock
- Near small upland stream
- various poorly sorted till
- similar rocks to rest of area
- fine grained
- float rock

D.C.

6

L2-05-01

0361445
5383036

~~metasedimentary~~

- very rusty appearance
- good spot to look @ till.
- glacial till area
- ~~metasedimentary~~
- lots of pyroxene
- some sort of ultramafic rock
- phaneritic texture.
- float rock.

D.G.

7

L2-06-01

0361535
5383024

- Found along flag tape markings (boundary)
- large quartz vein
- large float rock
- sharp boundary
- maximum vein of 10 cm
- nothing similar in area
- light colour
- highly metamorphosed metasediment

D.G.

8

LS-01-01

0361106
5382981

- similar to all viewed earlier
- possibly meta-sediment
- angular rock
- likely till
- fine grained
- till area
- fine grains

D-6

7

LS-03-01

0360634
5382657

- float rock
- metasedimentary rock
- interesting crystals
 - metallic
- quartz
- rust? iron
- worth noting & examining
- possible pyrite
- brecciated
- must examine

D-6

10

LS-04-01

0360477
5382710

- found along powerline
- fairly large rock 1m x 1m +
- same type of granite
- likely associated with other till found on L-05
- biotite?
- FLOAT ROCK

D-6

11

LS-05-01

0360236
5382685

- found in uprooted tree
- likely source is glacial till
- well rounded / weathered
- fairly large rock 1.5m x 2m
- type of granite

D-6

12

L05-06-01

0360246 LTM
5382689

- located along access road 10 m south of bridge
- part of an OUTCROP
- no visible striations, scratches, or other glacial marks
- strikes east to west.
- some signs of rust / metallic
- metasediment rock.

D6

14

Start time: 9:15

Finished line 5 by 10:30

Started line Line 8 → 10:45

5382400 → 450
→ 350

Finished line @ 5 pm

Finished work @ 6:05
↳ go visit outcrop

036021
5382354

could not retrieve sample

- found rock outcrop
- light & dark bands
- dark bands are a width greater than 40 cm
- continuous
- south to north direction
- several quartz intrusions D.G.
- often shifted 1/2 to 1 cm by fracture or slips ~~in~~ metasediment rock

15

L8-01-01

0360061
5382448

- previously unexposed rock
- has large flat crystals
- green in colour
- possible signs of rust
- large flat rock 1m x 1m
- several rocks in area
- well weathered
- get one!

D.G.

15A

0360408
5382385

these metasedimentary? large till - nothing of interest

16
L8-02-01
0359994
5382359

- similar to sample L8-01-01
- along power lines
- porphyritic gabbros
 - large phenocrysts
- likely transported
- could have been delivered during power line building

17
L8-03-01

0360162
5382457

- possibly felsic ^{could be a transported granite} metavolcanic rock
- large rock ~ 1.5 x 1 m
- light colour
- well rounded
- abundance of visible quartz
- other golden minerals
- FLOAT Rock

"Rite in the Rain"

D6

"Rite in the Rain"

D6

18
L8-05-01

0360434
5382384

- metasandstone / metasediment
- significant rust
- shiny surface
- worth looking at
- possible quartz crystals
- lots of it around
- fractures easily
- angular texture
- some rocks > 2m x 2m

19
L8-06-01

0360689
5382386

- float rock
- new rock today
- red colouration
- rust?
- some quartz
- rock size 4 ft by 2 ft
- found along roadside
- map shows that I am at an intersection of two rock types
- mudstone?

"Rite in the Rain"

D6

"Rite in the Rain"

D6

LB-07-01

LB-08-01

0360966
5382364

0361195
5382395

- found ~~near~~ uprooted tree
- heavily weathered
- similar to samples 1:2
- green colour
- weathered - eroded into a waxy-like texture
- not sure if this rock is important.
- large crystals - > 1cm
- porphyritic gabbro

- represents what is found in area
- taken from large rock
- 3x3m - float rock
- with evidence of rock
- no interesting/visible features
- metasedimentary rock

LB-09-01

Contact point or intrusion

0361341
5382407

0361598
5382193

- large rock left by 4 ft - float
- ~~not~~ sub rounded
- distinct red colour
- likely a granite
- weak magnet
- possibly transported
- no others in area

Worth looking @ again

23

Monday May 16, 2011

Started ~~at~~ ~ 8:50 am

Arrived @ highly rusted rock @ 9:30 am - Line 8

Started line 11 @ ~ 10:00 am

Met mark @ ~ 3:00 pm

- gave the away the rusty samples

Finished line 11 @ ~ 3:45 pm

Started line 14 @ ~ 4:00 pm

- finished day @ 5:15 pm

Worked on samples organization @ Inn.

D6

24

Site 1 - L8-

0361670
5382382

- from access road take road at ~~0361500~~, ~ ~~5382300~~ then south at 0361500, ~ 5382700 for 100m
- highly rust outcrop
- highly metamorphosed
- signs of stress with various intrusions
- interesting crystals growing with cracks
- likely a metasediment outcrop in a contact zone (just north)
- mineralization is good

D6

24a

L8-09-01

0361670
5382382

- metasediment outcrop
- quartz veins
- accumulation of
 - sulphides
 - pyrite
 - other lustrous minerals
- fine grained meta-
- VERY IMPORTANT FIND

D6

25

0361670
5382382

- large quartz vein ~ 2cm wide
- continuous
- within metasediment

D6

26

L11-01-01

0361538
5382128

- porphyritic gabbro
- similar to other outcrop
- note - additional note compared to other samples

D6

27

L11-02-01

0361487
5382063

- metasedimentary rock
- quartz veins
- flat over gabbro outcrop
- interesting crystals

L11-02-02

- large chunk of quartz
- worth noting
- same UTM
- still @ intersection of both outcrops

D6

28

L11-03-01

0361283
5382069

- porphyritic gabbro
- similar to others
- no distinct differences or features
- note that it is an outcrop
- large 10x10m

D6

29

L11-04-01

0361076
5382003

- another gabbro outcrop
- outcrop ~~is~~ is out of place
- surrounding is lowland swamps, relatively flat
- outcrop 40 x 20 m
- outcrop is 1 m tall = steep face
- no interesting features

D6

L11-05-01 29a

0360674
5382664

- porphyritic gabbro
- float rock
- mapping purposes

North Hill D6

L11-06-01 30

0360597
5382126

- metasediment outcrop
- fine textures

L11-07-01

0360243
5382170

- metasedimentary rock
- more notable layering
- finer grained than other samples
- rust features

North Hill D6

L11-08-01 31

0360894
5382060

- metasediment
- no quartz veins or anything interesting
- found along roadside
- for mapping purposes
- fine grained
- grey & blue

North Hill D6

L14-01-01 32

0360009
5381817

- fine grained gabbro
- usual to see quartz phenocrysts
- ~~thin~~
- likely an outcrop
 - very angular
 - could have been transported
 - several large > 1x1 in
- small porphyritic crystals

North Hill D6

33

L14-01-02

0360202
5381782

- more ~~same~~ gabbro
- again - finer grained than earlier
- ~~are~~ quartz phenocrysts
- rock size
 - likely a outcrop
 - no blue

DG.

33a

L14-02-01

0360202
5381782

- finer grained gabbro
- some quartz intrusions
- float

34

May 17, 2011 David G. Galt

- Commenced line at 8:35 am
- Finished line 14 @ 1:35 pm
- Started line 17 @ 1:45 pm
- Finished line 17 @ 5:55 pm

DG.

35

L14-03-01

0360278
5381792

- ~~More than any other outcrop~~
- fine grained gabbro
 - lacks large phenocrysts
- evidence of fractures & deformation
- quartz veins
 - discontinuous
 - no wider than 1 cm
- interesting color changes in outcrop
 - from dark to white ← 1 to 2 ft thick
- signs of slipping of 3 cm
- could not retrieve quartz sample

26-

36a

L14-04-01

0360701
5381781

- very fine gabbro outcrop
- following a steep slope & looking for something interesting
- No distinctive characteristics
 - but no phenocrysts
 - could be further metamorphosed
- marked for mapping purposes

36

L14-04-01

0360550
5381737

- possible gabbro / metasediment
 - fine grained
 - quartz-rich
- Small vein
 - 6 cm wide
 - discontinuous
- worth looking @ in future
- outcrop

D.G.

36a

L14-05-01

0360674
5381764

- likely a metasedimentary
- very interesting crystal formation
- float
- highly metamorphosed & brecciated

L14-05-02

- same unit
- similar rock
- interesting purple crystals
- hope to find outcrop soon
- Justin found metasedimentary outcrop just south of me

37

L14-06-01

0360872
5381741

- Fine grained gabbro
 - quartz-rich
 - some small veins
- for marking map
- outcrop

right now in between rock types

- gabbro to south
- metasediment outcrop 50-75m north of me

D.G.

114-07-01 37a

0360980
5381766

- metasediment outcrop
- quartz rich
- small veins
- not highly metamorphosed
- for marking purposes

114-08-01 38

0361163
5381779

- large porphyritic gabbro outcrop
- well marked on map
- several east to west quartz veins that are no greater than 2cm across
- continuous veins
- veins are well weathered? often the fracture point of rock outcrop

0361345
5381790

- more porphyritic gabbro
- similar to other stuff

D.G.

114-09-01 D.G.

0361512
5381855

- float
- interesting crystallized texture
- highly metamorphosed
- unsure the type of rock
- some quartz faces

Finished line 14 @ 1:30

Started line 17 @ 1:45

Line 17-01-01 D.G.

0361509
5381578

- metasediment rock - outcrop
- found along boundary line
- small powerline / ATV trail
- some quartz veins
- nothing too significant
- discontinuous veins
- fine grained

D.G.

39a 46

~~39a~~ L17-02-01

0360994
5381434

0360859
5381524

- metasediment outcrop
- nothing interesting
- mapping purposes.

- ~~metasediment~~ ^{gabbro} outcrop
- signs of further metamorphism
- large quartz vein
possibly 1 inch wide
- crystal / fine texture
- beside outcrop is large
- gabbro phenocrysts
- metabasaltic gabbro

D. 6

40a 47

L17-03-01

0360734
5381534

0360611
5381490

- finer texture gabbro
- found within a valley
- 20 m north is another slope
- slope is ~ 10m high on both sides
- no quartz veins
- sample for mapping
- OUTCROP

0360684
5381499

- large metasediment outcrop
- no distinct features

- medium grained gabbro
- still following slope of valley
- no distinct features
- map sample

D. 6

41a

~~0360607~~
0360607
J381519

refer to last page of booklet for sample identification

- Sound contact between ~~gabbro~~ & meta-sediment lamprophyre
- well flagged
- north side of valley is meta-sediment while south side is ~~metaphysic~~ gabbro
- found rocks with both meta and ~~gabbro~~ lamprophyre
- very interesting copper coloured cubes found in ~~gabbro~~ lamprophyre
 - likely pyrite
- high quartz content

42

L17-05-01

same UTM

CLIFF:

D6

42a

L17-07-01

0360347
5381498

- gabbro with large quartz vein
- outcrop
- can not see where it ends
- 10cm wide

43

L17-08-01

- meta-sediment outcrop
- contact nearby
- large quartz veins everywhere
 - some greater than 2 inches

0360293
5381498

D.6.

43a

L17-05-01 & L17-05-05
 L17-05-02

0360607
 5381319

highly metamorphosed ^{igneous} ~~igneous~~
 - evidence of quartz crystals
 - evidence of biotite?
 - coarse grained
 - part of outcrop.

L17-05-03 & L17-05-04

same UTM as above

- quartz rich metasediment
 - fine grained crystals
 - evidence of rust
 - large quartz veins → > 3cm wide
 - continuous

44

L17-06-01

0366874
 5381469

fine grained gabbro outcrop

JG

2

Justin Thompson 05/14/11
 Walked post to Justin's loc
 0369076
 5383094
 No outcrop so far

Walked Dave to his spot
 Found Post 4247496
 0359925
 5383011

My starting position
 Blue Ribbon
 10:21am
 359951
 5382896
 Git R Done

Crossed claim line
 0359697
 5382897

L3-01 Justin
 0359951
 5382900 299m

Angular float under a downed
 tree Meta-sedimentary
~~metasandstone~~

Silt or mudstone

Pure bush and bog
 very little outcrop

Reached Rail line at 11:30
 A bit worried about Dave
 crossing the swamp everything
 north of the line (3) is swamp

"Not in the Rain"

L3-02 Justin 2v
 362930
 5382887 287m
 Meta-Sediments
~~gabro~~ - no sulfides uninteresting
 but I haven't found much else
 Angular float, st / no
 good outcrops. No alteration
 no present mineralization
 0

L3 JT 4
 0362704
 5382871
 Gabro, biotite rich vesic
 lava could not get a
 piece, come back with help
 might be float but
 sounds solid when hit
 it
 *it was float

L3-04 JT 5
 5382901
 0360893 245m
 Mudstone clastic angular
 very generic no signs of
 alteration or mineralization

L3-05 JT 6
 0361090
 5382901 278m
 sample 01
 Mudstone 2 different
 grain sizes
 Rusty orange contact
 some sulphides
~~bedded over~~
 sample 02
 gabro little mineral
 zation and
 possible ch. 11
 zone

L3-06H:00 JT 7

361367
5382868 316m

Pink granite
orthoclase rich
nothing interesting
float

Return to the main

L3-07 JT 8

361408
5382913

Meta-sed fine
Nothing
interesting

Return to the main

361391 L6-01 JT 7

5382599

Meta Sed

No mineralization
Just another
rock

Return to the main

L6-02 JT 16

561356

307

5382602 315m

Meta Sed
Possibly floating
No alteration
or mineralization

Return to the main

L6-3 6:PM

Meta Sed
sandstone float
slightly altered
but no sulphides
or iron present

Heading to truck

361498 JT
5382567

"Rite in the Rain"

L6-4 JT 12

mudstone
more sandstone
this has glacial
striations and
is a float

360644
5382595

"Rite in the Rain"

L6-05 May 15th 13

360587 JT
5382807

Meta-sed mixed st
angular float

Some pyrite present,
no signs of minerals

"Rite in the Rain"

L6-06 10:15 JT 14

360305
5382550

Meta-sed (sandstone)
Massive ——— outcrop

some rusty colour near
weathered edge but no
pyrite

high amount of
metamorphism

"Rite in the Rain"

L9-01 1:19 JT 15
360070
5352359

Meta sed clear bedding
small Qtz veins

Very hard unable
to get a sample

marks on surface
in SE direction

"Rite in the Rain"

L9-02-01 JT 16
360041
5382293
Meta sed

Fine grained
uninteresting, no
mineralization

Mudstone or silt

L9-02-01
same but contains
thin Qtz vein
with sulphides

20 m wall of
outcrop
3 m high

"Rite in the Rain"

more metased JT 17

same outcrop
further down

L2-03
360062
5382295

"Rite in the Rain"

L9-04 JT 18
6 x 15 m outcrop
on road

-01 ordinary
meta sed fine grained
wave patterns

-02 more of the
same

-03 fine grained
meta sed containing
some pyrite

-04 pieces of Qtz
from a vein, rusty
colour possible
sulphides

360150
5382285

"Rite in the Rain"

L9-05-01 JT 19
 Pieces from of Qtz veins
 orange = yellow rusty colour
 vein widens then disappears
 360093
 5382246 30 pm

Line 8 Justin Thompson 20
 9:30 get to outcrop
 Dave wanted to show us
 found very interesting meta sed with tons of sulphides, some concentrated in Qtz veins
 took a lunch of sample Dave has then
 Line 10 checked out an outcrop with 2 different gabbros in the same spot different sizes 10.08

Justin Thompson 21
 10:15 am
 Angular meta sed flat similar to what we found this morning at same spot
 good signs of mineralization
 lots of stress marks
 361587
 5382246 3:33 pm
 L9-08

Justin Thompson May 6th 22
~~Porphyritic gabbro~~
 but much smaller crystals than others
 outcrop
 L9-07
 361552
 5382297
 NO mineralization
 10:30 am

Justin Thompson 22a
11:09 am reached impassable
swamp where I stopped
yesterday
heading southeast to
line D

Justin Thompson May 16th 23
Porphyritic galena
outcrop definite sulphides
found in sample
L9-06
361462 318m
5382258

Line D JT D.11 24
361498
5382000 331m
Porphyritic Galena
no clear signs of
alteration or mineralization
L12-01

JT May 16th 25
361462
5382035 342m
Regular ordinary
Galena no alteration
no mineralization
L12-02

JT 12:44 PM May 16 ²⁶
 L12-03
 361171
 5381981

 Porphyritic gabbro
 in a rock wall
 Nothing special

 "Return the favor"

JT May 16 3 AM ²⁷
 L12-04
 sample 01
 fine grained. sp. not very
 meta morphosed. no mineralization
 rusty colour. Silt/mudstone

 sample 02
 silt/mudstone with a piece
 of quartz vein that couldn't
 be seen from the surface

 sample 03
 Piece of Qtz vein
 in the same outcrop on
 the surface
 360183
 5381986 319m

 "Return the favor"

JT May 16th 4:10 pm ²⁸
 360003 L15-01
 5381716
 Porphyritic gabbro
 pretty fractured.
 no signs of mineralization
 nothing very
 special

 outcrop

 "Return the favor"

JT May 17th 8:55 am ²⁹
 360291 L15-02
 5381718 316m

 Gabbro orang. rusty
 colour. no signs of
 nothing interesting

 outcrop

 "Return the favor"

36

JT 9.05
 LIS-03
 360307
 5391700 316m

small crystals gabbro
 with some ~~large~~ phenocrysts
 small
 compared to what we've seen
 scattered out crop all
 over the hill but it's all
 the same no sulphides

Return to the Rain

<p style="text-align: right;">52</p> <p>LIS-05-01 JT P- Gabbro with some smaller phenocrysts</p> <p>LIS-05-02 A rusty looking piece of quartz from a vein in the gabbro 360547 5381738</p> <p style="text-align: center;"><i>Return to the Rain</i></p>	<p style="text-align: right;">33</p> <p>LIS-06 JT Gabbro on an old road small crystals size with a small rusty coloured quartz vein 0360598 5391697</p> <p style="text-align: center;">Outcrop</p> <p style="text-align: center;"><i>Return to the Rain</i></p>
---	--

34

L15-07 10.15 JT
 360671
 5381739 328m

Meta sedimentary
 rock found under a fallen
 tree fine grained
 fair amount of recryst
 no visible microcryst
 outcrop

Rite in the Rain

35

L15-08 JT
 360706
 5381669 371m

Gabbro outcrop
 some kind of rusty
 orange inclusion

Rite in the Rain

36

JT L15-09 angular float
 360719
 5381673 333m

Porphyritic gabbro
 small quartz veins
 running through

L15-10
 360712
 5381695 339m

coarse meta-sea rock
 near contact containing
 some sulfides and quartz
 veins

Outcrop

Rite in the Rain

37

L15-11 JT
 360810
 5381687 334m

outcrop under an
 uprooted tree, very
 soft I can't get
 a sample because it
 just disintegrates

L15-12
 360818
 5381696 333m

Meta sedimentary
 fine grained sulfides
 present + highly meta
 morphosed and slightly
 brecciated

Rite in the Rain

L15-13 JT 38
 36116
 5381734 332m
 Phosphatic Gabbro
 nothing else interesting
 outcrop
 "Rite in the Rain"

L16-01 Sulfide rich JT
 meta-sed 39
 -01, -02
 same thing
 0361629
 5381607 324m
 036126
 5381575 333m
 Gabbro but could not
 get a good sample
 because it's under roots
 "Rite in the Rain"

L16-02 JT 40
 361116
 5381581
 Plain fine grained
 generic gabbro
 0361294
 5381571
 Gabbro cant get
 sample under a rock
 328m
 "Rite in the Rain"

L16-04 JT 41
 Sulfide containing meta
 sedimentary rock
 believed to be near a
 contact small pockets of
 sulfides
 360906
 5381584 329m
 L16-06
 360848
 5381568 337m
 ?
 "Rite in the Rain"

Fine grained gabbro JT 42
CLIFF

360769 341m
5381570

L16-28

Meta Sed Cliff contains
Sulphides ~~and~~ pyrrhotite
same

360521 326m
5381563

L16 no sample

360316
5381593

Gabbro outcrop
biotite rich

L16 more gabbro no
sample

360333
5381515 277m

Return to the line

line 16 complete JT 43
5:33

heading over to 17 to
help out

Return to the line

Line 17	11
Line 16	12
Line 15	12
Line 14	11
Line 13	10
Line 12	4
Line 11	4
Line 10	14
Line 9	8
Line 8	10
Line 7	4
Line 6	6
Line 5	6
Line 4	8
Line 3	7
Line 2	6
Line 1	8

146 samples

Return to the line

Name
Date, Time

- Line #
- spot #
- Location (N, W, ALT)
- Outcrop / Plant
- Sample #
- Description: Type, colour, text,
Structure, mineral comp
alteration, mineralization?

MACGREGOR

PATRICK BELSHAW

Return to the line

Day 1

2

- Started at 9:29
- doing small section of line 1 together for quality assurance.

Patrick Pelshaw

May 14, 2011, 9:57 Am

- started line 1, no observable outcrops
- mossy, soft ground with decaying bush underneath, heading East from 5383070 N 0360073 W elevation: 304m

- went around marked swamp to the North.

"Rite in the Rain"

Patrick Pelshaw
May 14, 2011 10:25 Am

3

- line # 01
- spot # 01
- 5383301 N 360303 W elevation: 288m
- float
- sample # 01
- meta sediment, fine grained, rusty colouring between layers
- above swamp area marked on map

"Rite in the Rain"

Patrick Pelshaw
May 14, 2011 10:56 Am

4

- Line # 01
- Spot # 02
- 5383161 N 360498 W
- Elevation: 296m
- float
- sample # 01
- fine grain meta sediment with good crystallization of white/pink silicates. ~~rusty~~ colour is rusty pink.
- taken from light colored end of float.

"Rite in the Rain"

Patrick Pelshaw
May 14, 2011 11:08 Am

5

- Line # 01
- spot # 02
- 5383161 N 360498 W
- elev: 296m
- float
- sample # 2
- ~~same material~~ similar makeup to L-01 S-02, 01
- taken from darker end of float.

"Rite in the Rain"

6

Patrick Belshaw
 May 17, 2011 11:34 Am

- Line # 01
- spot # 03
- 5383053
- 0360625
- 289 m
- float
- sample # 01
- found under fallen tree, very coarse grained sedimentary rock, slightly meta rounded,

"Return to the River"

7

Patrick Belshaw
 May 17, 2011 11:52 Am

- Line # 01
- Spot # 04
- 5383119 N
- 0360674 W
- elev: 279m
- float
- sample # 01
- angular meta sediment with lots of iron accumulated on the surfaces and between layers, all float in this area was angular.

12:26 - had lunch at truck after backtracking to access road to cross river.

12:45 - started again.

"Return to the River"

8

Patrick Belshaw
 May 19, 2011 1:27 pm

- Line # 01
- spot # 04
- 5383052 N
- 0360921 W
- elev: 284m
- float
- sample # 01
- large, angular, meta sedimentary with rusty coloring on outside. Fine grained.
- power line clearing
- small amounts of crystallization

"Return to the River"

9

Patrick Belshaw
 May 19, 2011 1:46 pm

- Line # 01
- spot # 05
- 5383049 N
- 0360949 W
- elev: 284m
- float
- sample # 1
- well crystallized mafic rock, float was large, and sub angular, quartz, possible sulfides

"Return to the River"

10

Patrick Belshaw
 May 14, 2011 1:47 pm

- Line 01
- spot 06
- 5383049 N
- 0360849 W
- elev: 284m
- float
- sample #1
- deep red metasedimentary with quartz crystallization was very "out of place".

5:26 - gravel pit has similar ^{pm} rocks to this one.

Pat in the Rain

11

Patrick Belshaw
 May 14, 2011 2:18 pm

- line - #01
- ~~sample spot - 07~~
- 5383139 N
- 0361314 W
- elev: 287m
- large float
- sample #01
- * - interesting meta sedimentary
 - furnished texture
 - observed pyrite crystals
 - definitive sulfur coloring
 - iron rich

2:32 - headed to line 4
 # 2:45 - reached line 4

Pat in the Rain

12

Patrick Belshaw
 May 14, 2011 3:06 pm

- line #04
- spot #01
- 5382779 N
- 0361331 W
- elev: 317m
- float
- sample #01
- felsic, quartz present, medium sized grains.
- near ~~fallen~~ uprooted tree.

5382825 N
 0361252 W
 elev: 304m

- black tree mould observed on many trees in area

Pat in the Rain

13

Patrick Belshaw
 May 14, 2011 3:31 pm

- line - 04
- spot - 02
- 5382787 N
- 0361029 W
- elev: 302m
- float
- sample #1
- Mafic with red band of colour, mostly white in colour.

similar rock flagged 1m East with ample quartz veins, also float - was too bald to sample well.

Pat in the Rain

Patrick Belshaw
May 11, 2011 3:45 pm

14

- line 04
- spot 03
- 5382799 N
- 0361007 W
- elev: 317m
- float
- sample 01
- felsic, large crystallization

Patrick Belshaw
May 11, 2011 4:36 pm

15

- line - 04
- spot - 04
- 6382827 N
- 0360656 W
- elev: 297m
- float
- sample - 01
- felsic, ~~large~~ medium crystallization, iron present
- surface was bald so sample is not of great quality

Patrick Belshaw
May 14, 2011 4:48 pm

16

- line - 04
- spot - 05
- 5382832 N
- 0360643 W
- elev: 298m
- float
- sample - 01
- meta sedimentary, with fairly well developed crystals and lots of iron in both sample and float rock. Tarnishy texture is ~~present~~ observed in some spots

Patrick Belshaw
May 14, 2011 5:06 pm

17

- Line 04
- spot 06
- 5382807 N
- 0360565 W
- elev: 296m
- float (large)
- sample 1
- meta sedimentary, iron rich, loosely packed not great crystallization
- 5:13 - used same road to cross river and continue line 4
- 5:22 - back on line 4

17

↑

- included chunk
of rock that
better shows felsic
intrusion.
- from the same
chunk

L-04 S-07.01

18

Patrick Bolshaw
May 14, 2011 5:49pm

- line 04
- spot 07
- 5382784 N
- 0360054 W
- elev: 295m
- outcrop
- sample 1
- fine replacement with iron and a small felsic intrusion on one end, right off rail line

5:51 - spending a few more minutes at outcrop observing, ~~at~~ end I will return to this accessible location tomorrow to finish line 4

"Not in the Plan"

19

Day 2

9:25 = started back to where I ended on line 4

9:38 reached line 4

where 04-07.01 was taken, the outcrop is iron rich with no observed large scale intrusions.

"Not in the Plan"

20

Patrick Bolshaw
May 15, 2011 10:05 am

- Line 04
- Spot 08
- 5382850 N
- 0359964 W
- elev: 302m
- outcrop
- sample #1
- fine grained replacement with pink colouring in places, and is iron rich.

10:15: finished line 4, headed to line 7 via the route I took to my start this morning, have to cross river via access road bridge

"Not in the Plan"

21

10:40 - reached line 7

Patrick Belshaw
May 15, 2011 ~~10:47 am~~

line 07
spot

1657 - starting line 7
no contacts present
in area, very sugary
to the north

Patrick Belshaw
May 15, 2011 11:20 am

- line 07 - spot 01
- 5382449 N
- 036 0160 W
- elev: 289m
- float - sample 01
- fine meta sedimentary with
good quartz crystallization

Patrick Belshaw


23

at outcrop where sample
L-07 S-02, 01 was
taken, large amounts of
a white, soft, meta-
sedimentary rock were
observed on the surface
of the metased outcrop.

Second contact area
on line 7, not found.

Patrick Belshaw May 15, 2011, 1:51 pm

- line 07
- spot 03
- 5382541
- 036 0580
- elev: 302m
- outcrop
- sample 01
- fine grain meta sediment, furnished texture
iron rich



Patrick Belshaw

24

Patrick Belshaw
May 15, 2011

- line 07
- spot ~~03~~ 04
- 5382565 N
- 036 0439 W
- elev: 287m
- outcrop
- sample ~~03~~ 01
- fine grained meta sedim
ent, contains iron, quartz

outcrop at:

5382455 N
036 0786 W
elev: 313m

- to bald to sample
- nothing out of the
ordinary.

Patrick Belshaw

25

using unmixed road
to return to access
road to start line 10

- near end of day
- end of line 10
is going to need
particular attention,
hence more than I
have now time
- doing ~~as~~ as much
of 10 as possible

done line 7 3:45
started line 10 4:15

Patrick Belshaw

26

Patrick Belshaw
 May 15, 2011 4:20

- line 10
- spot 01
- 5382214 N
- 0359858 W
- elev: 318m
- outcrop

sample # 01

- metasedimenting, fine grained, iron present

sample # 02

- fragments of quartz vein 1m long, ~~3-4cm~~ wide, only vein 1-4cm observed

"Not in the Plan"

27

Patrick Belshaw
 May 15, 2011 4:44pm

- line 10
- spot 02
- 5382166 N
- 0359884 W
- elev: 321m
- outcrop
- sample 01
- fine grained meta sediment not lots of iron.

"Not in the Plan"

28

Patrick Belshaw
 May 15, 2011 5:01 pm

- line 10
- spot 03
- 5382237 N
- 0359897 W
- elev: 310m
- outcrop
- sample 01
- fine grained well metamorphosized metasediment. veins ~~and~~ on outcrop are of the same makeup as the outcrop itself, the pattern is random, the rock surface is smooth and striated in places toward N

"Not in the Plan"

29

- small quartz vein found on outcrop L10 S-03, too bald to sample, is in the hydro clearing cut.
- 5382246 N
- 0359918 W
- elev: 311m

marked
 02 on tape

ended at 5:45

"Not in the Plan"

30

contact: 8:45

investigated dikes outcrop
at the end of line 8 until
9:47

Patrick Belshaw
May 16, 2011 10:08am

- line 10
- spot 13
- 5382193 N
- 0361594 W
- elev: 342m
- outcrop
- sample 01
 - porphyritic gabbro, light green (lamprophyre)
- sample 02
 - fine grained, gabbro or meta sediment
 - very close together sulfides

31

Patrick Belshaw May 16, 2011 10:23am

- line 10 spot 12
- 5382209 N
- 0361571 W
- elev: 332m
- outcrop
- sample 01
 - black gabbro spot on light green outcrop

Patrick Belshaw May 16, 2011 10:38am

- line 10, spot - 13
- 5382215 N
- 0361531 W
- elev: 331m
- float (angular)
- sample 01
 - large quartz vein (5-10cm) in meta sediment, some crystallization

Return to line

32

contact: 4-2, 2-3 under
dense swamp

11:56 - lunch
12:10 - ended lunch

Patrick Belshaw May 16, 2011 12:23pm

- line 10, spot 10
- 5382147 N
- 0360467 W
- elev: 323m
- outcrop
- sample 01 - metasediment, not too much iron, quartz

Patrick Belshaw May 16, 2011 12:47pm

- line 10, spot 9
- 5382114 N
- 0360404 W
- elev: 316m
- outcrop
- sample 01
 - fine meta sediment, iron ~~present~~ present

cont'd

33

sample 02 - (line 10, spot)

- fine grained, iron on surface, metasediment

Patrick Belshaw May 16, 2011 1:16pm

- line 10, spot 8
- 5382224 N
- 0360383 W
- elev: 308m
- outcrop
- sample 01
 - fragments of quartz vein that had a rusty colour vein was several metres long 1-3 cm wide.

1:21 - heading to truck to meet Marc Grandjean
2:55 - back on line 10

Return to line

Patrick Belshaw May 16, 2011 3:12pm

- line 10 spot 7
- 5382223 N
- 0360275 W
- elev: 312m
- outcrop
- iron rich metasediment

Patrick Belshaw May 16, 2011 3:50pm

- line 10 spot - 6
- 5382186 N
- 0360237 W
- elev: 315m
- outcrop
- three ~~thin~~ veins running E-W, 5-15cm wide, rusty coloring on surface, silicates present in mass and quartz.

Return to the River

Patrick Belshaw May 16, 2011 3:48

- line 10 spot 5
- 5382174 N
- 0360240 W
- elev: 325m
- outcrop
- sample o1
- iron rich, well meta-morphosed sediment with rusty, and yellow colouring on black fine grain matrix, tarnish on surface, silver metallic within.

- three ~~two~~ small quartz veins at outcrop: 5382204 N
- 0360126 W
- elev: 316m
- two ~~one~~ with dark red rusty colouring

Return to the River

at same outcrop as the three quartz veins previous:

Patrick Belshaw May 16, 2011

- line 10 spot 4
- 5382204 N
- 0360126 W
- elev: 316m
- ~~outcrop~~ float (angular)
- sample o1
- very good quartz crystallization on metasediment, iron, possible sulfides present.

4:28pm - headed to start of line 13.

4:42pm - reached line 13

5:14pm - ended day at access road, plan to finish lake tomorrow.

Return to the River

8:42 am - headed to line 13

8:53 - started line 13

Patrick Belshaw May 17, 2011

9:31am line 13 spot o1

- 5381817 N
- 0360785 W
- elev: 329m
- outcrop
- sample o1
- iron rich metased outcrop near 3-4 contact

Patrick Belshaw May 17, 2011 9:51am

line 13 spot o2

- 5381907 N

- 0360834 W

- elev: 333m

- outcrop
- sample o1
- iron rich metased closer to 3-4 contact

Return to the River

Patrick Belshaw May 17, 2011, 10:13am

line 13 spot 03

- 5381935 N

0360894 W

elev 335m

- outcrop

- sample 01

- iron rich meta sed
more meta, closer to 34.

Patrick Belshaw May 17, 2011 10:28am

line 13 spot 04

- 5381858 N

0360910 W

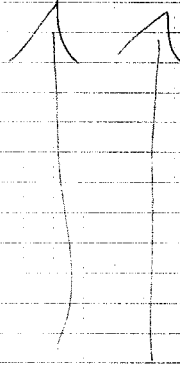
elev: 326m

- outcrop

- sample 01

- quartz vein in metased,
more meta, close to 3-4

first sign of phosph. gabbro
under fallen tree at 5381912 N
"Rite in the Rain" 0361103 W



- gabbro was flat, outcrop not
likely in the swampy area

Patrick Belshaw May 17, 2011 11:06am

line 13 spot 06

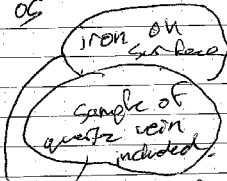
- 5381969 N

0361156 W

elev: 333m

- outcrop

- sample 01



- gabbro with quartz crystal-
ization, first outcrop after Contact

↳ outcrop is large, and
exposed vertically at a
ledge.

Patrick Belshaw May 17, 2011 11:36am

line 13 spot 06

- 5381915 N

0361180 W

elev: 336m

- ~~outcrop~~ float (angular)

- sample 01

- very iron rich meta sed

11:50 - met at line 14 for lunch

12:13 - earliest lunch

Patrick Belshaw May 17, 2011 12:26pm

line 13 spot 07

- 5381863 N

0361207 W

elev: 343m

- outcrop

- sample 01

- iron rich gabbro.

42
12:44pm

Patrick Belsham May 17, 2011

line 13 spot 08

- 5381975
- 0361369
- elev 322m

outcrop

- sample 01
 - vein of white, iron rich rock about 3/4 m wide, with good cleavage breaks off easily in slabs, but not parallel layering. Small phenocrysts of quartz observed
- sample 02
 - iron rich gabbro from contact region of vein.

Not in the bin

43

Patrick Belsham May 15, 2011 1:07pm

line 13 spot 09

- 5381874 N
- 0361392 W
- elev: 390 m

outcrop

- sample 01
 - possible metased outcrop in gabbro area iron rich, quartz present

1:10 headed to line 16

metased outcrops on 13-16 ridge

1:38 reached line 16.

Justin and I are doing line 16 together.

Not in the bin

44

Patrick Belsham May 17, 2011 1:45pm

line 16 spot 01

- 5381607 N
- 0361629 W
- elev: 327m

outcrop

- sample 01
 - iron rich metased, sulfides present.
- sample 02
 - iron rich "

1cm wide quartz vein in lightly metamorphosed sandstone at:

- 5381632 N
- 0361151 W
- elev: 329m

Not in the bin

45

Patrick Belsham May 17, 2011 2:13pm

line 16 spot 03

- 5381633 N
- 0361127 W
- elev: 331m

outcrop

- sample 01
 - metased near gabbro contact, quartz, possible sulfides.
- sample 02
 - same

Patrick Belsham May 17, 2011 3:03pm

line 16 spot 05

- 5381619 N
- 0360905 W
- elev: 322m

outcrop

- sample 01
 - metasediment, near possible contact.

Not in the bin

46

Patrick Belsham May 17, 2011, 3:32am
~~spot 9~~ line 16 spot 07
 - 5381659 N
 0360729 W
 elev 315m
 - outcrop
 - sample of
 - fine grained gabbro.

4:01pm Patrick Belsham May 17, 2011
 line 16 spot 09
 - 5381627 N
 0360516 W
 elev: 341m
 - outcrop
 - sample of
 - metasediment with
 some sulfides and odd
 rust coloured formation
 within
 - sample 02
 - no ~~rust~~ pyrite visible.

47

Patrick Belsham May 17 2011, 4:20pm
 line 16 spot 10
 - 5381593 N
 0360440 W
 elev: 337m
 - outcrop
 - sample of
 - metasediment, iron
 and quartz crystallization
 present
 possible gabbro.

Patrick Belsham May 17, 2011 4:33pm
 line 16 spot 11
 - 5381650 N
 0360324 W
 elev: 324m
 outcrop (possibly float)
 - sample of
 - iron rich metased taken
 from ~~the~~ outcrop below
 pile of severely oxidized/
 deteriorated rubble at
 the outcrop. very iron rich.

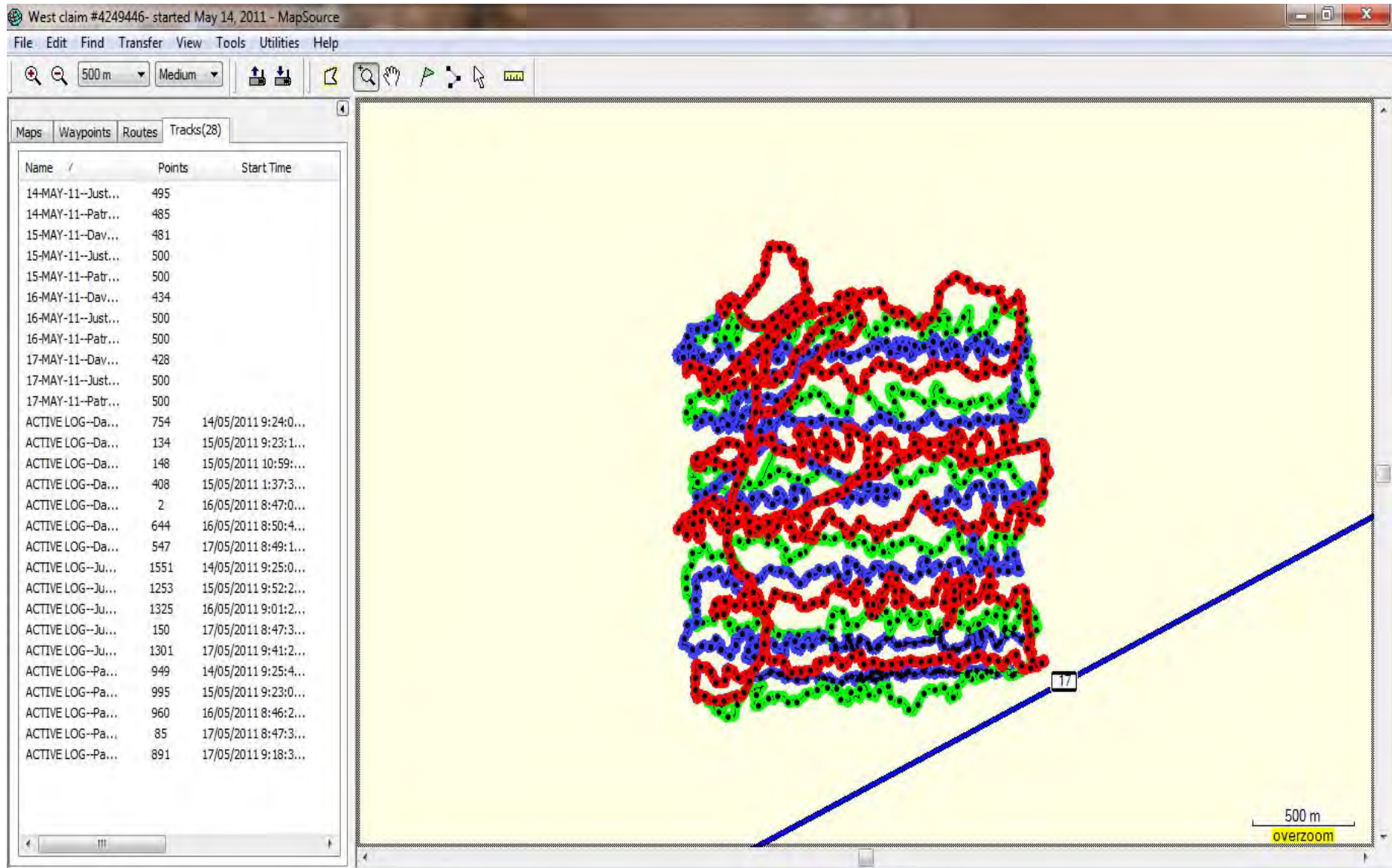
48

4:49 - back at truck
 5:00 - back on 16.
 Patrick Belsham May 17, 2011 5:10
 line 16 spot 12
 - 5381588 N
 0360183 W
 Elev. 311m
 - outcrop
 - sample of
 - metasediment with
 possible sulfides

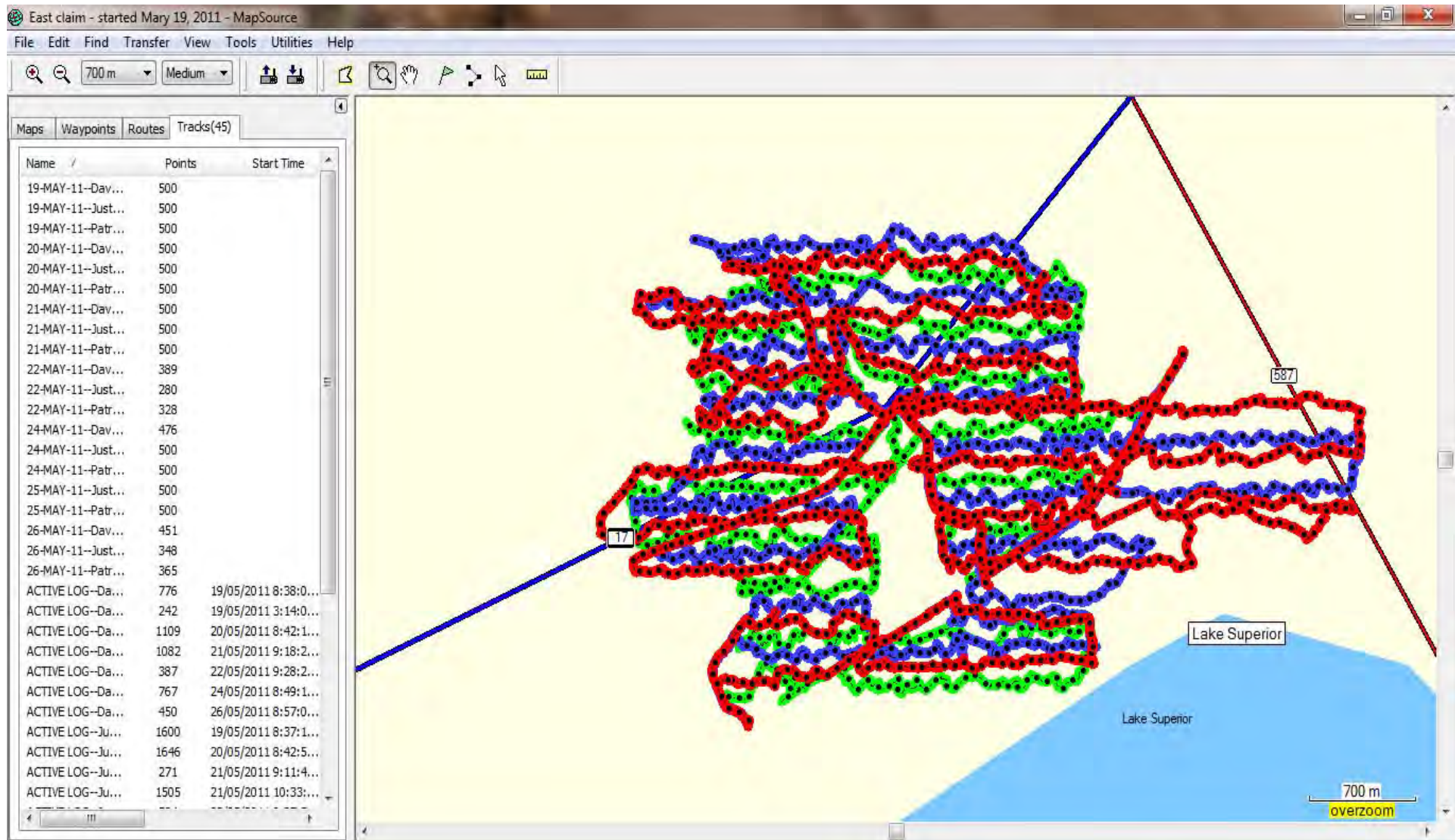
5:32 - line 16 done heading
 to line 17
 5:40 - reached line 17
 5:58 - ended day

Appendix 3 GPS Track Records

Due to the extensive quantity of GPS data points (>47,250), the data in spreadsheet form was not included in the report; however, Images below are taken from MapSource provides evidence of the GPS track records and their associated dates.



MapSource image of track record of MacGregor West Property.



MapSource image of track record of MacGregor East Property.

Appendix 4 MacGregor Assay Results

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0085
Date: 7/19/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
PR Gabbro	<0.1	<0.01
PR01	<0.1	<0.01
PR02	<0.1	0.05
PR03	<0.1	<0.01
PR04	<0.1	<0.01
PR05	<0.1	<0.01
PR06	<0.1	<0.01
L44-01-01	<0.1	<0.01
L44-01-02	<0.1	<0.01
L44-01-03	<0.1	<0.01
L44-02-01	<0.1	<0.01
L44-03-01	<0.1	0.26
L44-03-02	<0.1	<0.01
L42-01	<0.1	<0.01
L41-01-01	<0.1	<0.01
L41-02-01	<0.1	<0.01
L41-03-01	<0.1	<0.01
L40-S01-01	<0.1	<0.01
L40-S02-01	<0.1	<0.01
L38-01-01	<0.1	<0.01
L38-01-02	<0.1	<0.01
L38-02-01	<0.1	<0.01
L38-03-01	<0.1	0.01

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0085
Date: 7/19/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L38-04-01	<0.1	<0.01
L38-05-01	<0.1	<0.01
L38-06-01	0.2	<0.01
L37-S03-01	<0.1	<0.01
L37-S04-01	<0.1	<0.01
L37-S05-01	1.5	<0.01
L36-01-01	<0.1	<0.01
L36-03-01	<0.1	<0.01
L36-04-01	0.1	<0.01
L35-11-01	<0.1	<0.01
L36-10-01	0.9	<0.01
L35-06-01a	<0.1	<0.01
L36-12-01	<0.1	<0.01
L36-13-01	<0.1	0.01
L35-03-01	<0.1	<0.01
L35-05-01	<0.1	<0.01
L35-06-01b	<0.1	<0.01
L35-08-01	<0.1	<0.01
L35-09-01	<0.1	0.08
L35-09-02	<0.1	<0.01
L35-12-01	<0.1	<0.01
L34-S01-01	<0.1	<0.01
L34-S02-01	<0.1	<0.01

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0085
Date: 7/19/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L34-S05-01	<0.1	0.04
L34-S05-02	<0.1	<0.01
L35-S05-03	<0.1	<0.01
L34-S06-01	<0.1	<0.01
L34-S07-01	<0.1	<0.01
L34-S08-01	<0.1	<0.01
L34-S09-01	<0.1	<0.01

CERIFICATE OF QUALITY CONTROL



Date: 7/19/2011
Geoscience Laboratories
933 Ramsey Lake Road, Bldg A4
Sudbury, ON P3E 6B5
Phone: (705) 670-5637
Toll Free: 1-866-436-5227
Fax: (705) 670-3047

Client: Gaudreau
Project #: Batch 1

Geoscience Laboratories Ref # : 11-0085
Method : GFA-PBG

Lab ID	Client ID	QC Name	Analyte	Units	Measured Value	Certified Value	Long Term Average
DUP-11-15689	L44-02-01	DUP	Ag	oz/ton	0.0		
DUP-11-15689	L44-02-01	DUP	Au	oz/ton	0.00		
DUP-11-15690	L41-03-01	DUP	Ag	oz/ton	0.0		
DUP-11-15690	L41-03-01	DUP	Au	oz/ton	0.00		
DUP-11-15707	L37-S03-01	DUP	Ag	oz/ton	0.0		
DUP-11-15707	L37-S03-01	DUP	Au	oz/ton	0.00		
DUP-11-15708	L36-12-01	DUP	Ag	oz/ton	0.0		
DUP-11-15708	L36-12-01	DUP	Au	oz/ton	0.00		
DUP-11-15709	L34-S09-01	DUP	Ag	oz/ton	0.0		
DUP-11-15709	L34-S09-01	DUP	Au	oz/ton	0.00		
IHST-11-08359		PJV-2	Ag	oz/ton	0.0		
IHST-11-08359		PJV-2	Au	oz/ton	0.25		
IHST-11-08360		PJV-2	Ag	oz/ton	0.0		
IHST-11-08360		PJV-2	Au	oz/ton	0.27		
IHST-11-08361		PJV-2	Ag	oz/ton	0.0		
IHST-11-08361		PJV-2	Au	oz/ton	0.26		
IHST-11-08372		PJV-2	Ag	oz/ton	0.0		
IHST-11-08372		PJV-2	Au	oz/ton	0.26		

Note

IHST = InHouse Reference Material
INTL = International Reference Material
CORM = Certified Ontario Reference Material
INST = Instrument Control
DUP = Laboratory Duplicate
BLANK = Laboratory Blank

GEO LABS

GEOSCIENCE LABORATORIES

CERTIFICATE OF ANALYSIS

GL JOB#: 11-0085
CLIENT: Gaudreau
DATE: 8/10/2011
Method: Over Range IAO-100

Lab ID Unit	Client ID	Ba ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Mn ppm
Detection Limit		5	2	1	45	40	1
11-0085-0008	L44-01-01	-	-	-	320750	-	36787
11-0085-0008D	L44-01-01	-	-	-	320681	-	37374
11-0085-0009	L44-01-02	-	-	-	310899	-	32042
11-0085-0010	L44-01-03	-	-	-	359235	-	47367
11-0085-0011	L44-02-01	-	-	-	144562	-	-
11-0085-0013	L44-03-02	-	-	-	322181	-	36017
11-0085-0017	L41-03-01	-	-	-	263353	-	24334
11-0085-0018	L40-S01-01	-	-	-	100750	-	-
11-0085-0019	L40-S02-01	-	-	-	301494	-	42595
11-0085-0025	L38-05-01	-	-	-	154939	-	-
11-0085-0027	L37-S03-01	-	484	-	-	-	-
11-0085-0027D	L37-S03-01	-	484	-	-	-	-
11-0085-0029	L37-S05-01	-	-	-	-	-	9097
11-0085-0034	L36-10-01	-	-	-	261217	-	21161
11-0085-0049	L35-S05-03	1520	-	1564	-	46259	-

Client: Gaudreau

Geo Labs JOB#: 11-0085

Date: 8/12/2011

Method Code: IMO-100

Client ID	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detect Lim	0.9	0.06	0.009	0.01	0.2	0.1	24	0.006
L37-S03-01	1197.3	1.74	0.185	0.11	98.75	28.4	497	4.8
L37-S05-01	17	0.43	0.059	0.01	19.47	2.6	67	0.05

Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm
2	0.02	0.01	0.005	0.05	0.02	0.09	0.003	0.09
13	4.58	2.23	2.42	17.71	7.21	4.33	0.82	44.64
2	2.67	1.69	0.79	1.87	2.67	<0.09	0.58	10.74

Li ppm	Lu ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	
	0.2	0.002	0.03	0.04	0.08	3	0.4	0.02	0.2
	72.5	0.29	0.49	5.18	50.09	110	5.4	12.4	81.94
	3	0.17	0.81	2.08	9.6	5	0.4	2.3	0.34

Sb ppm	Sc ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti ppm
0.04	0.9	0.02	0.08	2	0.2	0.003	0.09	26
0.14	17.4	9.77	1.38	217	0.3	0.884	8.27	3473.01
0.07	1.5	2.11	0.09	23	<0.2	0.406	0.13	<26

Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
0.005	0.002	0.02	10	0.5	0.08	0.009	8	3
0.47	0.314	1.86	148.05	0.78	21.43	1.947	79.62	171
0.01	0.225	0.12	75.22	<0.5	17.62	1.23	<8	10

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0085
Date: 8/18/2011
Method Code: IMP-101

Client ID	Au	Pd	Pt
Units	ppb	ppb	ppb
Detection Limit	6	1.3	0.4
PR Gabbro	<6	6.8	3.3
L35-06-01a	<6	2.0	2.1
L35-05-01	<6	<1.3	<0.4
L34-S06-01	28	1.5	1.5
L34-S09-01	<6	3.0	3.0

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0088
Date: 7/19/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L39-01	<0.1	<0.01
L33-14-01	<0.1	<0.01
L33-07	<0.1	<0.01
L33-11-04	<0.1	0.02
L33-11-01	<0.1	<0.01
L33-11-06	<0.1	<0.01
L32-01-03	<0.1	<0.01
L32-08-01	<0.1	<0.01
L32-08-03	<0.1	<0.01
L32-20-01	<0.1	<0.01
L32-14-01	<0.1	<0.01
L32-16-01	<0.1	<0.01
L32-10-01	<0.1	<0.01
L32-18-01	<0.1	<0.01
L32-13-01	<0.1	<0.01
L32-07-01	<0.1	<0.01
L32-09-02	<0.1	<0.01
L32-08-02	0.2	<0.01
L32-11-01	0.1	0.08
L31-S11-01	0.3	<0.01

CERIFICATE OF QUALITY CONTROL



Date: 7/19/2011
Geoscience Laboratories
933 Ramsey Lake Road, Bldg A4
Sudbury, ON P3E 6B5
Phone: (705) 670-5637
Toll Free: 1-866-436-5227
Fax: (705) 670-3047

Client: Gaudreau
Project #: Batch 2

Geoscience Laboratories Ref # : 11-0088
Method : GFA-PBG

Lab ID	Client ID	QC Name	Analyte	Units	Measured Value	Certified Value	Long Term Average
DUP-11-15730	L33-11-01	DUP	Ag	oz/ton	0.0		
DUP-11-15730	L33-11-01	DUP	Au	oz/ton	0.00		
DUP-11-15731	L32-09-02	DUP	Ag	oz/ton	0.0		
DUP-11-15731	L32-09-02	DUP	Au	oz/ton	0.00		
IHST-11-08372		PJV-2	Ag	oz/ton	0.0		
IHST-11-08372		PJV-2	Au	oz/ton	0.26		

Note

- IHST = InHouse Reference Material
- INTL = International Reference Material
- CORM = Certified Ontario Reference Material
- INST = Instrument Control
- DUP = Laboratory Duplicate
- BLANK = Laboratory Blank

GEO LABS
 GEOSCIENCE LABORATORIES
 CERTIFICATE OF ANALYSIS

GL JOB#: 11-0088
CLIENT: Gaudreau
DATE: 8/10/2011
Method: OverRange IAO-100

Lab ID	Client ID	Cr	Mg	Na	Ni
Detection Limit		ppm	ppm	ppm	ppm
Unit		2	15	300	2
11-0088-0020	L32-21-02	821	73470	-	-
11-0088-0020D	L32-21-02	800	72356	-	-
11-0088-0021	L32-08-02	-	-	40585	-
11-0088-0024	L32-01-01	501	-	-	-
11-0088-0028	L31-S07-01	549	-	-	207

Client: Gaudreau

Geo Labs JOB#: 11-0088

Date: 8/12/2011

Method Code: IMO-100

Client ID	Ba Units ppm	Be ppm	Bi ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
Detect Lim	0.9	0.06	0.009	0.01	0.2	0.1	24	0.006
L32-21-02	1194.1	2.08	0.046	0.13	73.19	50	>600	6.52
L32-01-01	1194.5	1.55	0.053	0.2	59.78	30.5	538	13.71
L31-S07-01	720.7	0.82	0.079	0.11	15.41	39.1	590	5.37

Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Li ppm
2	0.02	0.01	0.005	0.05	0.02	0.09	0.003	0.09	0.2
28	3.63	1.49	2.17	11.49	6.36	2.51	0.61	31.68	54.5
53	4.28	2.34	1.81	15.31	5.48	3.57	0.82	27.59	68.3
33	1.62	0.83	1.04	14.54	2.15	0.63	0.3	5.9	41.4

Lu ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Sc ppm	
0.002	0.03	0.04	0.08		3	0.4	0.02	0.2	0.04	0.9
0.17	0.37	3.29	41.2		208	7.7	9.73	169.69	0.21	29
0.32	0.36	4.73	31.78		72	8.7	7.62	162.55	0.11	29.8
0.11	0.25	1.16	9.96		223	9.1	2.24	73.54	0.26	21.8

Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm
0.02	0.08	2	0.2	0.003	0.09	26	0.005	0.002	0.02
8.37	0.86	401	0.2	0.741	4.15	3997.67	0.76	0.192	1.17
6.54	1.15	414	0.3	0.744	5.05	4001.81	0.86	0.33	1.32
2.39	3.64	580	<0.2	0.287	0.92	2712.7	0.41	0.115	0.24

V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	
	10	0.5	0.08	0.009	8	3
158.94	<0.5		16.48	1.181	90.72	102
202.19	<0.5		21.47	2.089	101.27	132
164.84	<0.5		7.68	0.73	82.47	23

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0088
Date: 8/18/2011
Method Code: IMP-101

Client ID	Au	Pd	Pt
Units	ppb	ppb	ppb
Detection Limit	6	1.3	0.4
L33-11-02.1	9	<1.3	<0.4
L33-09	<6	3.1	3.0
L32-01-03	<6	<1.3	0.4
L32-16-01	<6	3.1	2.7
L32-03-01	<6	6.0	2.6
L32-01-02	6	3.1	3.2
L32-15-01	<6	3.0	2.8
L31-S01-01	<6	3.7	3.3
L31-S09-01	<6	3.0	3.1

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0089
Date: 7/21/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L25-S01-01	<0.1	0.01
L25-S05-02	<0.1	<0.01
L25-S04-03	<0.1	<0.01
L24-06	<0.1	<0.01
L23-04-01	<0.1	<0.01
L23-02-01	<0.1	<0.01
L23-06-01	<0.1	<0.01
L22-S02-01	<0.1	<0.01
L22-S04-01	<0.1	<0.01
L21-01	<0.1	<0.01
L20-02-01	<0.1	<0.01
L19-S01-01	0.7	<0.01
L18-03	<0.1	<0.01
L30-10	<0.1	<0.01
L30-07-02	<0.1	<0.01
L30-07-01	<0.1	<0.01
L30-05	<0.1	<0.01
L30-03	<0.1	<0.01
L30-08	0.7	<0.01
L29-06-01	<0.1	<0.01
L29-10-01	<0.1	<0.01
L29-11-02	<0.1	<0.01
L29-12-01	<0.1	<0.01

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0089
Date: 7/21/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L29-14-01	<0.1	<0.01
L28-S07-01	<0.1	<0.01
L28-S01-01	0.1	<0.01
L28-S11-01	<0.1	<0.01
L28-S10-01	<0.1	<0.01
L28-S06-01	<0.1	<0.01
L27-02	<0.1	<0.01
L26-07-03	<0.1	<0.01
L26-05-01	<0.1	<0.01

CERIFICATE OF QUALITY CONTROL



Date: 7/21/2011
Geoscience Laboratories
933 Ramsey Lake Road, Bldg A4
Sudbury, ON P3E 6B5
Phone: (705) 670-5637
Toll Free: 1-866-436-5227
Fax: (705) 670-3047

Client: Gaudreau
Project #: batch 3

Geoscience Laboratories Ref # : 11-0089
Method : GFA-PBG

Lab ID	Client ID	QC Name	Analyte	Units	Measured Value	Certified Value	Long Term Average
DUP-11-15735	L23-06-01	DUP	Ag	oz/ton	0.0		
DUP-11-15735	L23-06-01	DUP	Au	oz/ton	0.00		
DUP-11-15736	L29-06-01	DUP	Ag	oz/ton	0.0		
DUP-11-15736	L29-06-01	DUP	Au	oz/ton	0.00		
DUP-11-15745	L28-S07-01	DUP	Ag	oz/ton	0.0		
DUP-11-15745	L28-S07-01	DUP	Au	oz/ton	0.00		
IHST-11-08375		PJV-2	Ag	oz/ton	1.9		
IHST-11-08375		PJV-2	Au	oz/ton	0.26		
IHST-11-08379		PJV-2	Ag	oz/ton	0.0		
IHST-11-08379		PJV-2	Au	oz/ton	0.29		

Note

IHST = InHouse Reference Material
INTL = International Reference Material
CORM = Certified Ontario Reference Material
INST = Instrument Control
DUP = Laboratory Duplicate
BLANK = Laboratory Blank

Client: Gaudreau
Geo Labs JOB#: 11-0089
Date: 7/6/2011
Method Code: GFA-PBH

Client ID Complete
Units

Detect Limit

L25-S01-01 Yes

L25-S04-01 Yes

L25-S04-04 Yes

L25-S04-03 Yes

L24-05-01 Yes

L24-06 Yes

L24-01 Yes

L24-03 Yes

L23-04-01 Yes

L23-02-01 Yes

L23-05-01 Yes

L22-S03-01 Yes

L22-S02-01 Yes

L21-03 Yes

L20-01-01 Yes

L19-S01-01 Yes

L30-10 Yes

L29-13-01 Yes

L29-11-02 Yes

L29-12-01 Yes

L29-14-01 Yes

L26-01-01 Yes

GEO LABS
 GEOSCIENCE LABORATORIES
 CERTIFICATE OF ANALYSIS

GL JOB#: 11-0089
CLIENT: Gaudreau
DATE: 8/10/2011
Method: OverRange IAO-100

Lab ID Unit Detection Limit	Client ID	Cr ppm 2	Cu ppm 1	Fe ppm 45	Mg ppm 15	Mn ppm 1	Na ppm 300
11-0089-0001	L25-S01-01	-	1168	-	-	-	35248
11-0089-0005	L25-S04-03	-	-	-	-	-	31805
11-0089-0011	L23-02-01	520	-	114435	-	-	-
11-0089-0034	L29-14-01	-	-	-	60561	14268	-
11-0089-0036	L28-S08-01	816	-	-	-	-	-
11-0089-0036D	L28-S08-01	836	-	-	-	-	-
11-0089-0037	L28-S01-01	-	-	126818	-	11814	-
11-0089-0038	L28-S11-01	-	-	303155	-	-	-

Client: Gaudreau

Geo Labs JOB#: 11-0089

Date: 8/12/2011

Method Code: IMO-100

Client ID	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detect Lim	0.9	0.06	0.009	0.01	0.2	0.1	24	0.006
L28-S08-01	252.7	1.49	0.216	0.08	165.95	33.3	>600	1.78

Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Li ppm
2	0.02	0.01	0.005	0.05	0.02	0.09	0.003	0.09	0.2
72	5.42	2.25	3.6	16.59	9.96	4.65	0.92	71.8	165.8

Lu ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Sc ppm	
0.002	0.03	0.04	0.08	3	0.4	0.02	0.2	0.04	0.9	
0.23	0.77	3.34	85.09	122	5.6	20.9	25.44	0.5	12.5	

Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm
0.02	0.08	2	0.2	0.003	0.09	26	0.005	0.002	0.02
15.05	1.02	67	0.2	1.109	5.61	3064.47	0.18	0.284	2.57

V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	
10	0.5	0.08	0.009	8	3	
140.26	3.07	25.3	1.613	90.19	190	

GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS



Client: Gaudreau
Geo Labs JOB#: 11-0089
Date: 8/18/2011
Method Code: IMP-101

Client ID	Au	Pd	Pt
Units	ppb	ppb	ppb
Detection Limit	6	1.3	0.4
L25-S01-01	44	6.0	1.1
L25-S04-01	9	5.6	4.2
L25-S04-04	<6	5.2	7.8
L25-S04-03	12	31.7	0.9
L24-05-01	<6	2.9	2.7
L24-06	<6	2.7	2.3
L24-01	<6	6.3	2.8
L24-03	<6	6.2	3.7
L23-04-01	<6	4.7	3.0
L23-02-01	<6	4.6	5.3
L23-05-01	<6	5.7	4.7
L22-S03-01	<6	5.0	4.5
L22-S02-01	<6	5.3	3.3
L21-03	<6	4.8	4.6
L20-01-01	<6	5.2	4.6
L19-S01-01	<6	8.7	17.5
L30-10	<6	5.0	2.9
L29-13-01	<6	8.8	2.9
L29-11-02	<6	6.0	3.1
L29-12-01	<6	5.8	3.5
L29-14-01	<6	<1.3	0.6
L26-01-01	<6	5.0	3.7

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0090
Date: 7/21/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L17-08-01	<0.1	<0.01
L17-02-01	<0.1	<0.01
L17-05-02	<0.1	<0.01
L17-05-05	<0.1	<0.01
L17-05-04	<0.1	<0.01
L17-05-03	<0.1	<0.01
L16-S03-01-02	<0.1	<0.01
L16-08	0.1	<0.01
L16-01-02	<0.1	<0.01
L16-06	<0.1	<0.01
L15-12	<0.1	<0.01
L15-10	<0.1	<0.01
L15-07	<0.1	<0.01
L15-04-01	<0.1	0.02
L14-04-01	<0.1	<0.01
L13-S04-01	<0.1	<0.01
L11-02-02	<0.1	<0.01
L10-S13-02	<0.1	<0.01
L10-S11-01	<0.1	<0.01
L8-10-01	<0.1	<0.01
L6-02	<0.1	<0.01
L5-03-01	<0.1	<0.01
L04-S08-01	<0.1	<0.01

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0090
Date: 7/21/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
L01-S02-02	<0.1	<0.01
L01-S02-01	<0.1	<0.01
L01-S07-01	<0.1	<0.01

CERIFICATE OF QUALITY CONTROL



Date: 7/21/2011
Geoscience Laboratories
933 Ramsey Lake Road, Bldg A4
Sudbury, ON P3E 6B5
Phone: (705) 670-5637
Toll Free: 1-866-436-5227
Fax: (705) 670-3047

Client: Gaudreau
Project #: Batch 4

Geoscience Laboratories Ref # : 11-0090
Method : GFA-PBG

Lab ID	Client ID	QC Name	Analyte	Units	Measured Value	Certified Value	Long Term Average
DUP-11-15746	L17-05-04	DUP	Ag	oz/ton	0.0		
DUP-11-15746	L17-05-04	DUP	Au	oz/ton	0.00		
DUP-11-15756	L15-10		Ag	oz/ton	0.0		
DUP-11-15756	L15-10		Au	oz/ton	0.00		
DUP-11-15758	L16-06		Ag	oz/ton	0.0		
DUP-11-15758	L16-06		Au	oz/ton	0.00		
IHST-11-08379		PJV-2	Ag	oz/ton	0.0		
IHST-11-08379		PJV-2	Au	oz/ton	0.29		

Note

IHST = InHouse Reference Material
INTL = International Reference Material
CORM = Certified Ontario Reference Material
INST = Instrument Control
DUP = Laboratory Duplicate
BLANK = Laboratory Blank

GEO LABS
 GEOSCIENCE LABORATORIES
 CERTIFICATE OF ANALYSIS

GL JOB#: 11-0090
CLIENT: Gaudreau
DATE: 8/10/2011
Method: OverRange IAO-100

Lab ID Unit	Client ID	Cr ppm	Fe ppm	Mg ppm	Na ppm	Ni ppm
Detection Limit		2	45	15	300	2
11-0090-0005	L17-05-01	640	-	77072	-	291
11-0090-0005D	L17-05-01	630	-	77090	-	291
11-0090-0014	L15-10	-	-	-	45028	-
11-0090-0022	L10-S13-02	672	-	-	-	-
11-0090-0026	L8-10-01	-	94647	-	-	-

Client: Gaudreau

Geo Labs JOB#: 11-0090

Date: 8/12/2011

Method Code: IMO-100

Client ID	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detect Lim	0.9	0.06	0.009	0.01	0.2	0.1	24	0.006
L17-05-01	1378.6	2.67	0.087	0.18	117.26	53.3	>600	19.32

Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Li ppm
2	0.02	0.01	0.005	0.05	0.02	0.09	0.003	0.09	0.2
26	5.71	2.26	3.39	14.92	9.87	4.71	0.94	52	84.5

Lu ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Sb ppm	Sc ppm	
0.002	0.03	0.04	0.08	3	0.4	0.02	0.2	0.04	0.9	
0.24	0.24	5.76	65.31	333	7.2	15.4	197.15	0.23	25	

Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti ppm	Tl ppm	Tm ppm	U ppm
0.02	0.08	2	0.2	0.003	0.09	26	0.005	0.002	0.02
13.17	1.58	777	0.3	1.158	7.04	5566.68	1.07	0.294	1.77

V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	
10	0.5	0.08	0.009	8	3	
186.79	0.99	25.71	1.738	120.72	195	

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0090
Date: 8/18/2011
Method Code: IMP-101

Client ID	Au	Pd	Pt
Units	ppb	ppb	ppb
Detection Limit	6	1.3	0.4
L16-06	<6	4.0	4.5
L16-S11-01	<6	7.2	13.1
L15-09	<6	4.4	6.2
L15-02	<6	12.4	7.6
L10-S13-02	<6	<1.3	0.5
L9-08	<6	2.7	5.4
L8-07-01	<6	4.5	4.3

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 7/18/2011
Method Code: GFA-PBG

Client ID	Ag	Au
Units	oz/ton	oz/ton
Detection Limit	0.1	0.01
MD-01	<0.1	<0.01
MD-02	<0.1	<0.01
PJ-01	<0.1	<0.01
PJ-02A	<0.1	<0.01
PJ-02B	<0.1	<0.01
PJ-03-01	<0.1	<0.01
PJ-03-02	<0.1	<0.01
silimite-RL-01	<0.1	<0.01

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 7/22/2011
Method Code: IAO-100

Client ID	Al	Ba	Be	Ca	Co	Cr	Cu	Fe	K	Li	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	120	5	1	15	2	2	1	45	40	1	15	1
silimite-RL-01	74467	532	1	7301	2	64	<1	24980	28096	23	5401	408

**GEO SCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 7/22/2011
Method Code: IAO-100

Client ID	Na	Ni	P	Sc	Sr	Ti	V	Y	Zn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	300	2	15	1	2	3	1	1	5
silimite-RL-01	5698	4	596	11	50	4745	44	17	50

**GEOSCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 8/12/2011
Method Code: IMO-100

Client ID	Ba	Be	Bi	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.9	0.06	0.009	0.01	0.2	0.1	24	0.006	2	0.02	0.01	0.005
silimite-RL-01	550.5	0.82	0.042	0.06	84.06	4.9	68	2.60	<2	3.58	2.02	1.39

**GEO SCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 8/12/2011
Method Code: IMO-100

Client ID	Ga	Gd	Hf	Ho	La	Li	Lu	Mo	Nb	Nd	Ni	Pb
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.02	0.09	0.003	0.09	0.2	0.002	0.03	0.04	0.08	3	0.4
silimite-RL-01	19.41	4.26	5.73	0.69	39.09	27.1	0.32	0.71	7.99	35.13	4	4.0

**GEO SCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**



Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 8/12/2011
Method Code: IMO-100

Client ID	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.02	0.2	0.04	0.9	0.02	0.08	2	0.2	0.003	0.09	26	0.005
silimite-RL-01	9.50	80.28	<0.04	13.2	5.70	1.30	52	0.6	0.597	7.32	4798.28	0.24

**GEO SCIENCE LABORATORIES
CERTIFICATE OF ANALYSIS**

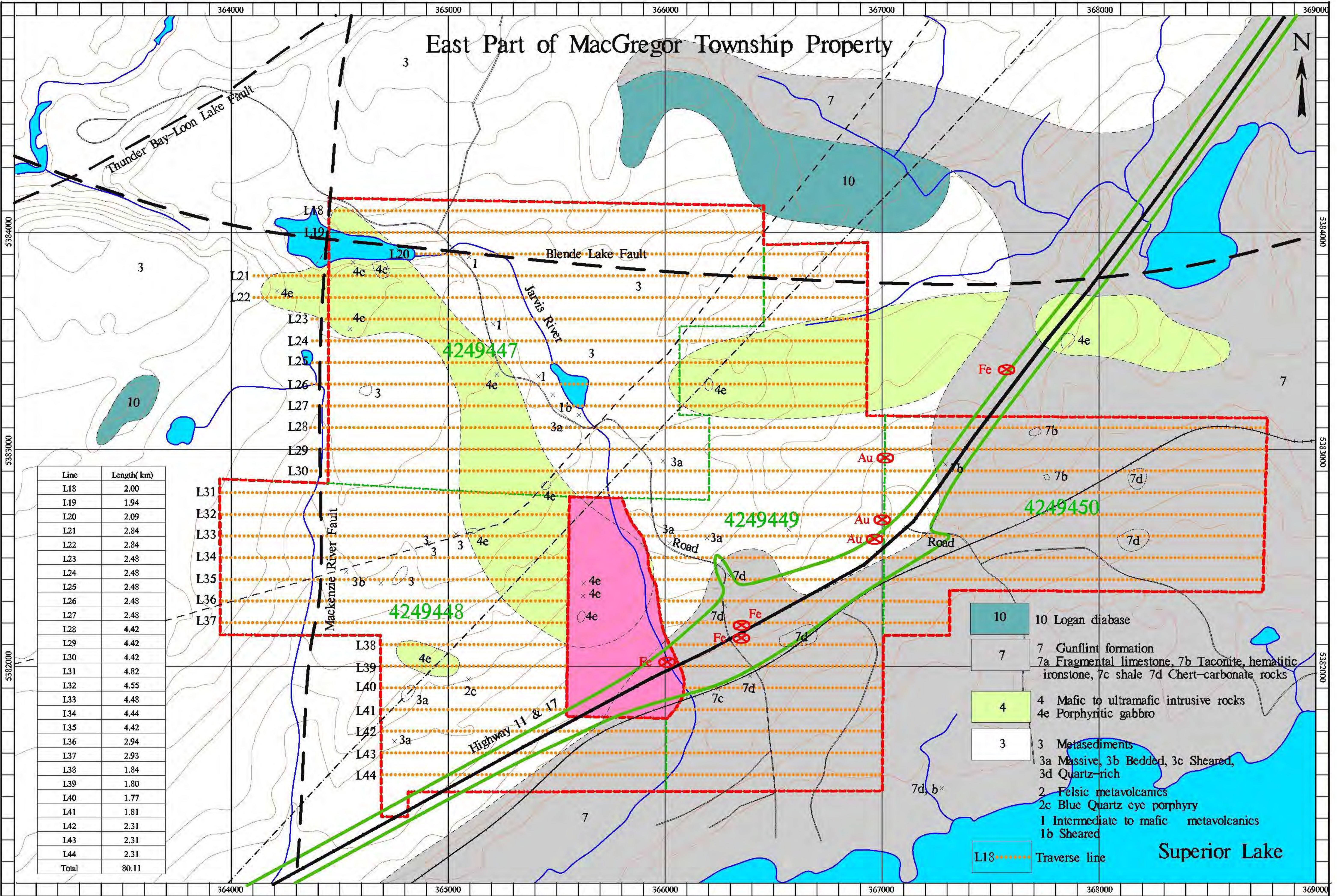


Client: Gaudreau
Geo Labs JOB#: 11-0091
Date: 8/12/2011
Method Code: IMO-100

Client ID	Tm	U	V	W	Y	Yb	Zn	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.002	0.02	10	0.5	0.08	0.009	8	3
silimite-RL-01	0.301	1.53	49.18	0.76	17.27	2.025	53.25	233

Appendix 5 MacGregor East Grid Map

East Part of MacGregor Township Property



Line	Length(km)
L18	2.00
L19	1.94
L20	2.09
L21	2.84
L22	2.84
L23	2.48
L24	2.48
L25	2.48
L26	2.48
L27	2.48
L28	4.42
L29	4.42
L30	4.42
L31	4.82
L32	4.55
L33	4.48
L34	4.44
L35	4.42
L36	2.94
L37	2.93
L38	1.84
L39	1.80
L40	1.77
L41	1.81
L42	2.31
L43	2.31
L44	2.31
Total	80.11

10	10 Logan diabase
7	7 Gunflint formation 7a Fragmental limestone, 7b Taconite, hematitic ironstone, 7c shale 7d Chert-carbonate rocks
4	4 Mafic to ultramafic intrusive rocks 4e Porphyritic gabbro
3	3 Metasediments 3a Massive, 3b Bedded, 3c Sheared, 3d Quartz-rich
2	2 Felsic metavolcanics 2c Blue Quartz eye porphyry
1	1 Intermediate to mafic metavolcanics 1b Sheared
	L18..... Traverse line

Appendix 6 MacGregor West Grid Map

