

# PROSPECTING AND RE-CUTTING CLAIM BOUNDARY MOHAWK GARNET INC.

SUDBURY MINING DIVISION

2 . 38220

**APRIL 2008** 

**EDWARD JEROME** 

#### INTRODUCTION

During the last two years, Mohawk Garnet Inc. has been actively prospecting, stripping, drilling and blasting their garnet property located in Street Township, north east of Sudbury. Recently, an announcement has been made that an agreement has been signed between Mohawk Garnet Inc. and the Wahnapitei First Nation to develop Canada's first aboriginal only owned garnet mine.

In the past, Emerald Isle Resources performed a significant amount of work on the property including stripping, bulk sampling, geological mapping and have sent samples for microhardness tests on the garnet. Most of the work was performed in the early 1990's.

This report will concentrate on Mohawk's efforts to prospect the property since a number of mining claims have been added to the main claim group in 2006. The claim lines for all mining claims have also been re-established since there is a considerable amount of other interested parties in the area. It is to Mohawk's advantage to ensure that their claim boundaries are very visible.

From April 25, 2006 through to the fall of 2006, the claims were prospecting and any garnets seen were noted and a quick determination of the quality of the garnet was made in the field. When a sample was collected to be further visually evaluated, the location is identified by a "G" number (example G7).

#### LOCATION AND ACCESS

The property is located in the central part of Street Township (main area), approximately 30km east of the City of Greater Sudbury.

Access is via Highway 17 East from Sudbury to Kukagami Lake Road. Heading north from Highway 17 on Kukagami Lake Road, a distance of 6km, an all-weather gravel road branches in a northeasterly direction for about 3.5km to the property.

#### **GEOLOGICAL SETTING**

The Grenville Front Tectonic Zone separates the Proterozoic-age rocks of the Southern Province lying to the northwest from the high metamorphosed lithologies of the Grenville Structural Province lying to the southeast. The claims lie just to the east and southeast of the Grenville Front.

Previous geological mapping on the main zone identified a siliceous to micaceous garnetiferous zone striking east-northeasterly. The main garnet unit dips steeply to the southeast.

#### 2006 PROSPECTING WORK, UTM Zone 17

#### April 25/2006 -sketch 1

Found a spot large enough to park my truck on the south side of railroad track just outside the northwest corner of claim 4260195. UTM Zone 17, 531957E,5162811N.

I proceeded southwest to corner #3 of 4206195 then onto the claim. I looked around the northwest corner of claim. At G1, found garnet outcrop at 532057E, 5162544N. Garnet runs 80 degrees east.

#### April 28/2006—sketch 1

Starting at # 4 corner of 4206195, walked south along the western boundary then made 4 traverses east west on claim. At G2, came across some good quality garnet at 532397E,5162229N. Zone runs 70 degrees East.

At G3, 532308E, 5162173N, garnet runs 70 degrees East.

## April 29/06—sketch 1

Followed northern claim line of 4206195 east to #1 corner. Found no garnet along boundary. Prospected northeast corner of claim to the east of small lake. Nothing of interest. Followed lake shore east, south and then west. Found small pegmatite outcrop on southern boundary of lake. Continued north back to claim boundary.

## April 30/06-sketch 1

Concentrated on the southeast part of claim 4206195 and found:

G4, 532570E, 5162124N low quality garnet

G5, 532750E, 5161858N low to medium quality garnet

G6, 532818E, 5161859N medium quality garnet

G7, 532634, 5162226N low quality garnet

## May 6/06 — sketch 2

Came down the western claim boundary of 4206194. Could not get to the #2 post as the swamp was too high. Backtracked and followed northern edge of swamp to lakeshore. Walked around lakeshore and discovered at G8, 533427E, 5162064N a garnet outcrop. Garnet is medium to good in texture.

#### May 7, 2006—sketch 2

Crossed over onto claim 4206193. Walked around west side of lake. At G9, 533975E, 5162467N, garnet exposed is medium to good quality. A lot of walking around low lying areas. Pretty wet swamps all around.

## May 14/06—sketch 3

Parked truck at northern boundary of claim 4201571. Walked west to #4 claim post. Found nothing. Had lunch at truck. Proceeded to follow old road southwest onto claim to western boundary. Returned by prospecting south side of road. Found garnet at G11, 542455E,5164994N and at G12, 542540E, 5165056N found really good garnets.

## May 18, 2006 — sketch 4

Followed west boundary of claim 4206192 south until I reached the road. Walked south along the west side of road to the western boundary of claim 4206192. Could not go far off the road to the east as a large swamp comes close to the road. Further north along the east side of road good garnets were seen at G13, 535855E, 5162668N and G14, 535777E, 5162785N.

#### May 19, 2007—sketch 5

On Claim 4206193, followed east side of swamp to the east side of a lake. Walked uphill and came across a garnet showing at about 100m south of a small lake. At G15, 534335E, 5162308N the garnet zone is exposed 15-20m wide.

# May 21, 2006 —sketch 5

Walked higher/drier ground on claim 4206193. Garnet exposed at G16, 534702E, 5162745N and is 1m in width.

## May 22/2006 — sketch 6

Prospecting the eastern and southern claim boundary of 4206190. Along the southern boundary, I found 2 areas of garnets. At G19, 537873E, 5163570N, garnet is exposed and at G20, 537307E, 5163573N, a 2m wide garnet showing is visible.

## May 23/06 — sketch 6

Followed the eastern boundary of claim 4206190 south of the swamp and then turned west and followed the edge of the swamp until I came upon a creek too wide to cross. On the western half of the southern boundary, I came to a garnet showing and scraped off the overburden to expose a 2m wide showing at G21, 537130E, 5163600N.

## May 28/06 - sketch 6

I followed the eastern claim boundary of 4206190 south until I reached higher ground. From there, I continued west onto claim 4206190. Two areas of interest were noted. At G22, 537596E, 5163718N, garnet is exposed for 2-3 m. At site G23, 537837E,5163776N, garnet is exposed for 6m.

## May 29/06 — sketch 7

I drove and parked truck alongside the Hagar Road on mining claim 4201572. Walked both sides of the road. Although garnets were seen, they were not on our property and therefore not included in this summary.

### May 30/06 — sketch 8

Traversed the northeastern part of claim 4206176. Found one area of garnet at G23a, 541768E, 5164796N. The garnet is of little interest and a sample was not picked up for further review.

## May 31/06 -sketch 4

Walked the eastern boundary of claim 4206192 south to the edge of a small lake, proceeded west on claim until I reached another small lake in the center of the claim. On my way back, at G24, 536535E, 5163105N, a garnet zone 15 m was seen. Appears to be an old skidder road in the area.

## June 1/06 -sketch 4

Followed east claim line of 4206192 south, around the western edge of small lake, then south again along claim line and walked onto 4206191. At G25, a garnet zone 15m was seen at 536695E, 5162958N.

## June 2/06 —sketch 4

Followed the swamp and lake edges south in center of claim 4206192. At location G25a, 536188E, 5162773N, garnets are exposed for widths between 15m to 25m.

#### June 4/06 —sketch 6

At location G26, 537651, 5163713N, a zone of garnet was seen that has a width of 15m. Rusty areas were noted in the area as well. May be worth examining further.

## June 5/06, June 6/06, June 7/06 — sketch 9

3 days were spent at location G27, 537312E, 5163616N on claim 4206190. This area is of high interest. Findings are:

- a) 20m wide muscovite garnet zone containing 3 veins of garnet. In between the veins is waste rock.
- b) Pegmatite dyke 35 m in length runs north of zone. Dyke is 25-30m wide.

## June 12/06 - sketch 10

Parked along side road and walked east to corner claim post 1 of 4212975. Walked a series of east-west traverses in northeast corner of claim. At X, a pegmatite dyke was seen.

# June 13/06 — sketch 11

Parked truck along side road and traversed mining claim 4212249 to eastern boundary of claim. At G28, 528628E, 5156386N, a garnet zone runs south-east at 230 degrees and contains 10-20% garnets. The zone is 30 to 40m wide.

#### June 14/06 -- sketch 12

Traversed the southern boundary of claim 4206189 and identified an area G29, 529042E, 5156652N that has a garnet zone. Zone runs 210 degrees, contains 20-30% garnet and is 20-30m wide.

## June 19/06 —sketch 14

Returned to claim 4206192 and prospected area between 2 small lakes with tight traverses. Garnet zones were seen in the area a couple of weeks ago and I went back to take a closer look. A 10m wide pegmatite was seen and I identified it on the sketch at 536526E, 5163078N. To the north of the dyke is a garnet zone at least 30 m wide and to the south of the dyke, the garnet zone is 15m wide.

## June 22/05 -sketch 11

Concentrated on the south eastern part of claim 4212249 between the east claim line and the road. At G32, 528575E, 5156314N, a garnet sample contained 10-20% garnet in 100 m wide zone. A garnet zone 2m wide contained 40-50% garnets and the zone runs 40 degrees north east. A pegmatite dyke to the south west is 60 m long and 4-5 m wide.

#### June 23/06 —sketch 11

Continuing on claim 4212249, in the north east part of claim between the east claim line and road, at G33, 528560E, 5156473N, a garnet zone runs 40 degrees north and is 15m wide. Garnet content is 40-50%. A pegmatite dyke was seen and runs south-east for 30m.

## June 24/06 -- sketch 12

On claim 4206189, I prospected the area between the western claim line and creek in the north western part of claim. A pegmatite dyke was seen on the southern end of creek. It is 10m long, and 1.5m wide. It runs 20 degrees north.

## June 26/06 - sketch 12

Prospected south western part of claim 4206189 between south claim line and swamp. Did not encounter any outcrop of garnet.

## June 29/06 —sketch 10

Could not spend a full day in field so went back to where the truck could be parked nearby and have a short walk to prospecting site. Traversed 3 lines in east-west direction in north east part of claim 4212975. Found a zone of garnet at 528770E, 5156168N. Zone runs 40 degrees north, and contains 20-40% garnet. Outcrop is 20 m wide and the garnet zone is seen throughout outcrop at 20m in width. At G36, 528899E, 4156111N garnet zone is seen 30m wide. Zone runes 40 degrees north and contains 20-30 % garnet. Zone appears to be going west for 150m.

## June 30/05 -sketch 10

Prospected in fill lines in northeast part of claim 4212975. A pegmatite zone was seen. A garnet zone 3m wide runs 40 degrees north at 528960E, 5156059N.

## July 3/06 --- sketch 15

Made two traverses east west parallel to southern boundary of claim 4212245. Spent considerable amount of time outlining a large zone of garnet. Zone runs 40 degrees north and contains 20-60% garnet. At G37, 528753, 5156247N is the east side of zone. The west side of zone is at 528666E, 5156240N.

#### July 30/06 -sketch 15

Made one traverse east west across mining claim 4212245 and on my way back I followed the height of land. Found garnet outcrop 30m wide at 528743E, 5156390N. Garnet is between 30-60%.

## July 31/06 — sketch 15

Walked the western and northern boundary of claim 4212245. Garnet was seen on a small hill on the northern boundary. The outcrop is 100m wide and garnet zone is 30m wide. Garnet runs 30-50%.

## August 1/06 -- sketch 5

Walked along old road north starting at east side of claim boundary 4206193. On the western side of road at 535089E, 5162854N, found an area of pegmatite dyke. Continued prospecting the height of land and found a garnet showing at G38, 534894E, 5162751N. Zone is 15m wide, run 60 degrees northeast and contains 50-60% garnet.

#### August 2/06 -sketch 4

Followed road east onto claim 4206192. Then followed creek east to swamp area. Found a small height of land that allowed me to cross the creek and followed the south side of creek then made 2 other small traverses east west from road to creek. At 535733E, 5163161N, found a pegmatite dyke 20m wide and striking 280 degrees west.

## August 7/06 —sketch 13

Traversed the north west part of claim 4206180. At X on the sketch, a large zone of garnet was seen. It strikes in a south east direction, and is 100m wide. Garnet runs between 10 to 60% and is present throughout the zone.

August 15/06 — sketch 13

Traversed north west portion of claim 4212976 in a series of 4 lines. At G30, 529162E, 5156577N, garnet was found striking 210 degrees. Garnet runs 20-30% and the zone is approximately 40m wide.

August 17/06 — sketch 13

Concentrated on the south eastern part of claim 4212976. Only outcrop seen was a pegmatite dyke at 529384E, 5156392N. Dyke runs in a easterly direction.

August 18/06 — sketch 13

Ran several north south traverses in south western portion of claim 4212976. At G31, 529190E, 5156340N, garnet is exposed in outcrop. Showing is at least 100 m wide.

#### Conclusion

Several sites have been identified with considerably high garnet content. Some of the better sites have been geologically mapped in 2007 and a report will be filed for the work.

## **Recutting Claim Lines**

All mining claims comprising the garnet property that were recorded prior to June 2006 have had their claim boundary re-cut. The older claims forming the original discovery were done because of age and the claim boundaries were difficult to follow. The newer claim boundaries were re-cut because of claim staking activity in the area by third parties. The boundaries of mining claims 1043377, 1043378 and 1179597 were done in the fall of 2006 and have already been reported and credited for assessment work.

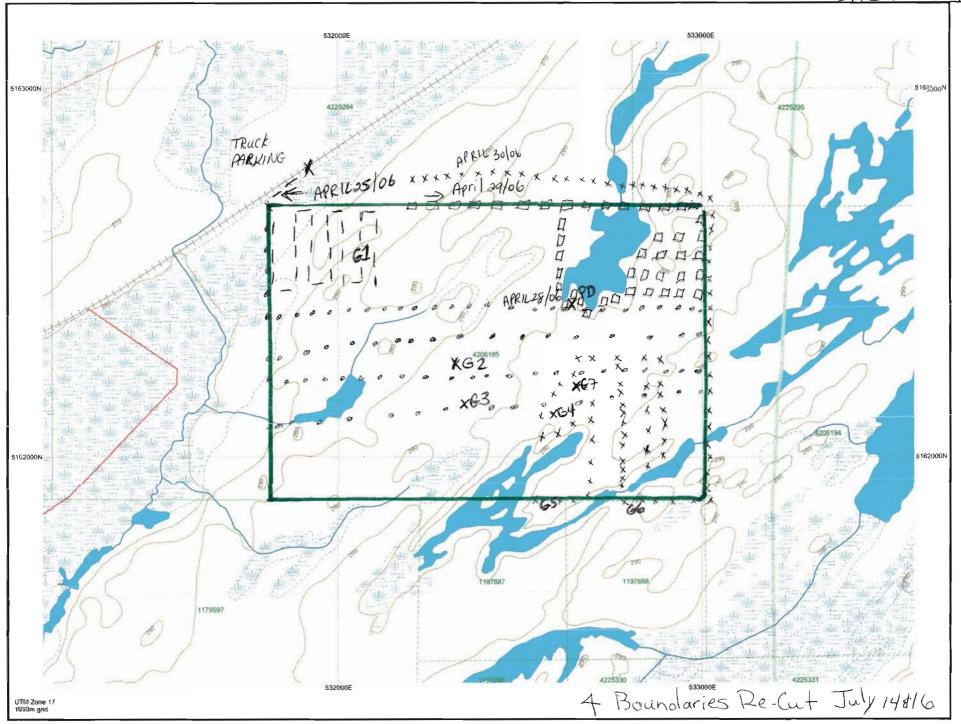
On average, 1.6 km of re-cutting was done per day. The re-cutting took place during the month of July of 2006. The weather was extremely warm at times and as a result, I decided the re-cut the claim lines at this time since it was too hot to do long prospecting traverses and work around heavy equipment.

The following claim lines were re-cut:

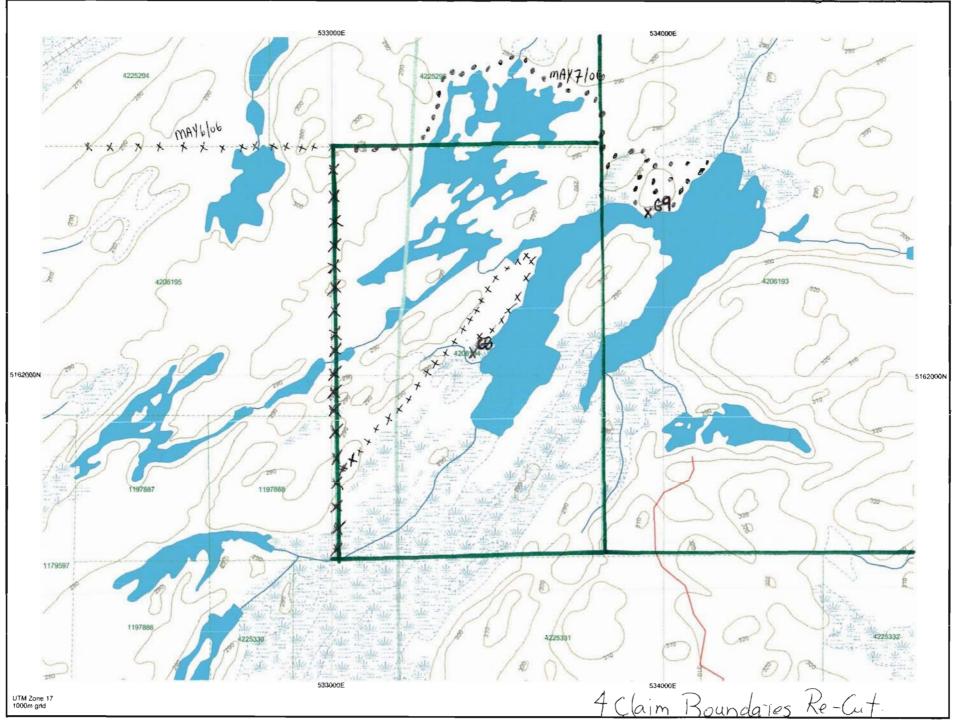
1043372: July 4, 2006 All 4 claim boundaries re-cut

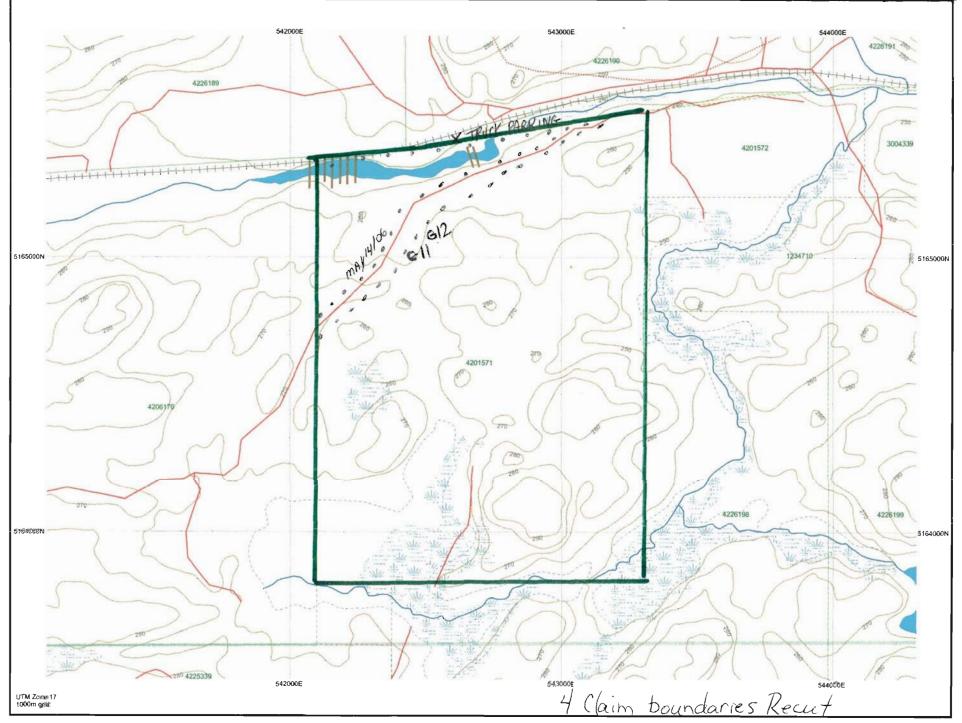
1043373: July 5, 2006 North, South and Western boundaries done

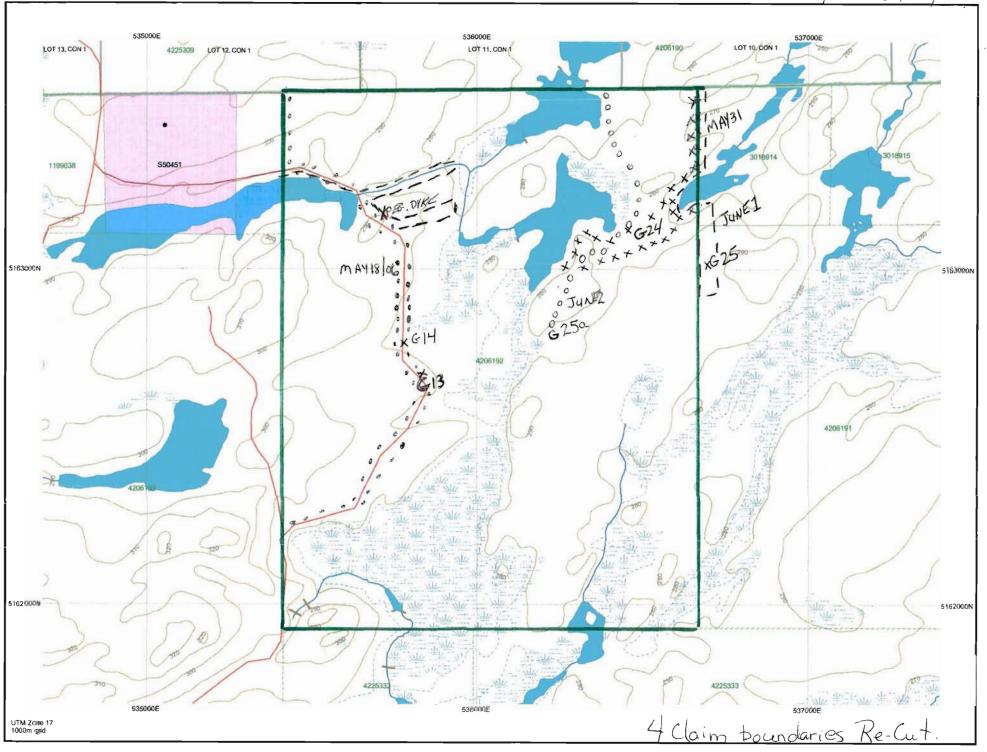
- · 1043374: July 6, 2006 North, West and East boundaries
- · 1043375: July 6, 2006 North and East boundaries
- · 1043376: July 7, 2006 East and South boundaries
- 1043379: July 7, 2006 North and West boundaries
- · 1043380: July 9, 2006 West, North and East boundaries
- 1043381: July 9, 2006 North and East boundaries
- , 1043382: July 10, 2006 North and East boundaries
- 1179595: July 10, 2006 East boundary, July 11, North and West boundaries
- . 1179596: July 12, 2006 East and South boundaries
- 1197886: July 13, 2006 North, South and East boundaries
- 1197887: July 13, 2006 North and East boundaries
- 1197888: July 14, 2006 North, South and East boundaries
- •4201571: July 28, 2006 North, South and part of East boundaries
- ₹4201572: July 27, 2006 North, South and Eastern boundaries
- + 4206176: July 26, 2006 North, South and Eastern boundaries
  - 4206177: July 25, 2006 North, South and Eastern boundaries
  - 4206178: July 24, 2006 North, East and parts of West and Southern boundaries
  - 4206179: July 23, 2006 East, West, South and part of Northern boundaries
- \*4206190: July 21, 2006 North, East, West and part of Southern boundaries
- 4206191: July 20, 2006 North, South, East boundaries
- \*4206192: July 19, 2006 All of North, South, East and part of West boundaries
- 4206193: July 18, 2006 All of North, South, East and part of West boundaries
- 4206194: July 17, 2006 North, South and East boundaries
- <sup>3</sup> 4206195: July 14, 2006 East boundary, July 16, 2006, North and West boundaries

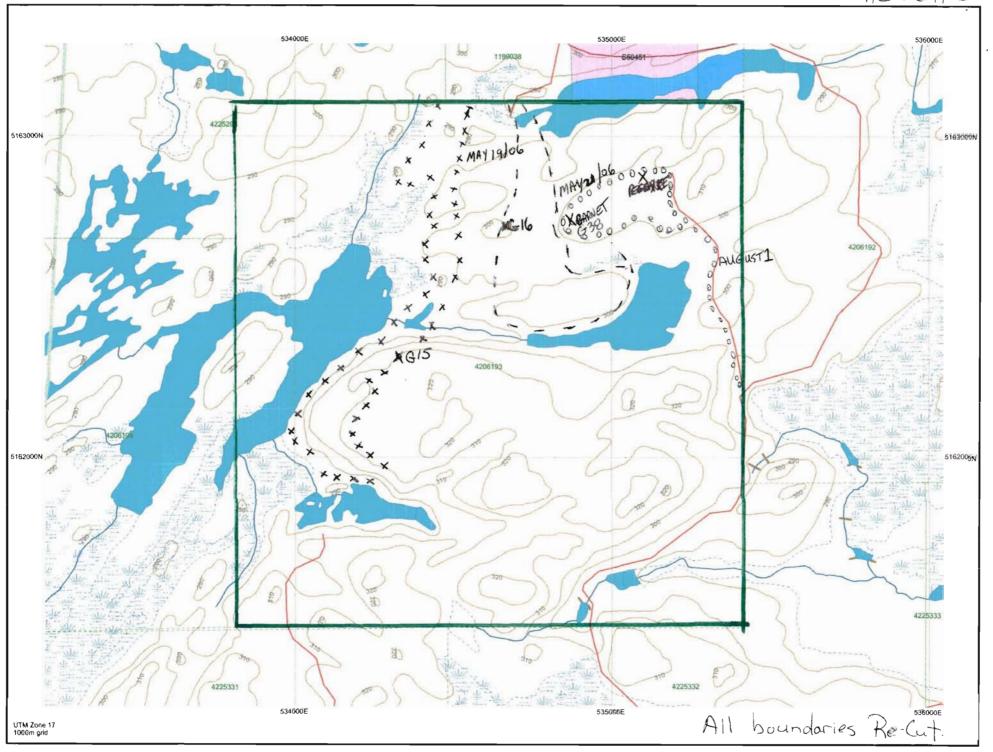


SKETCH 2.

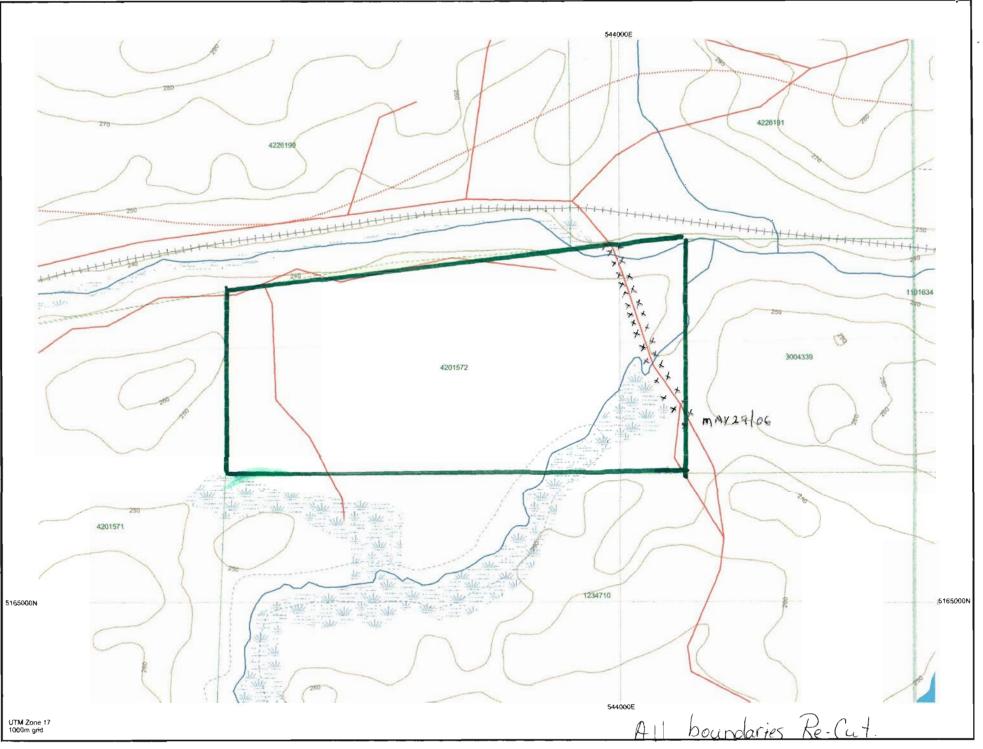


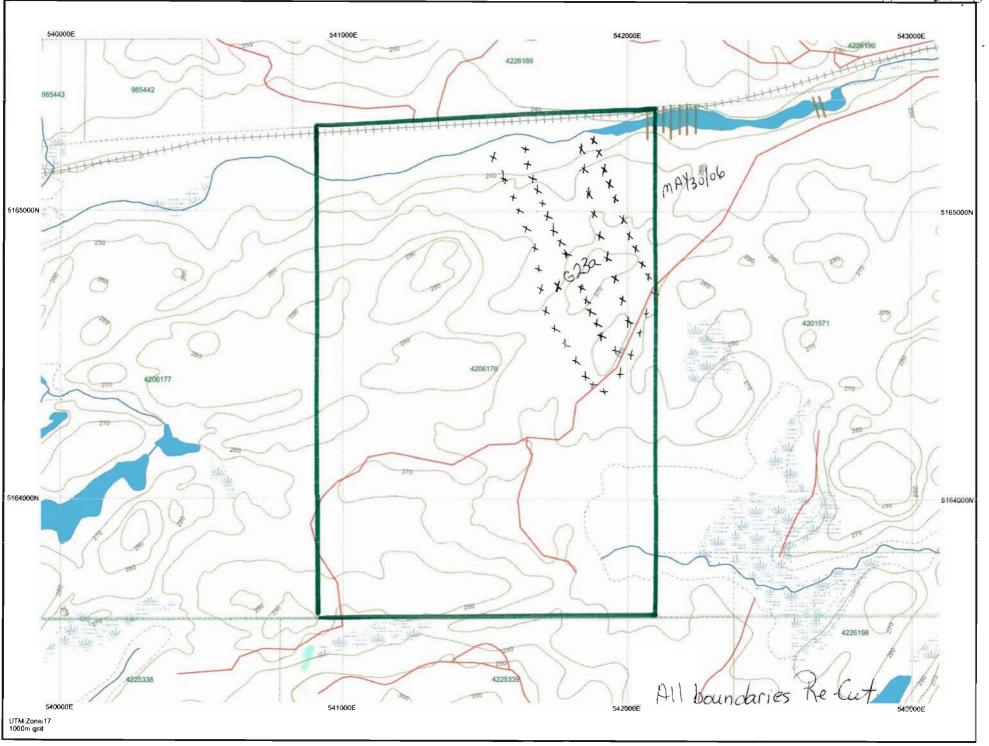


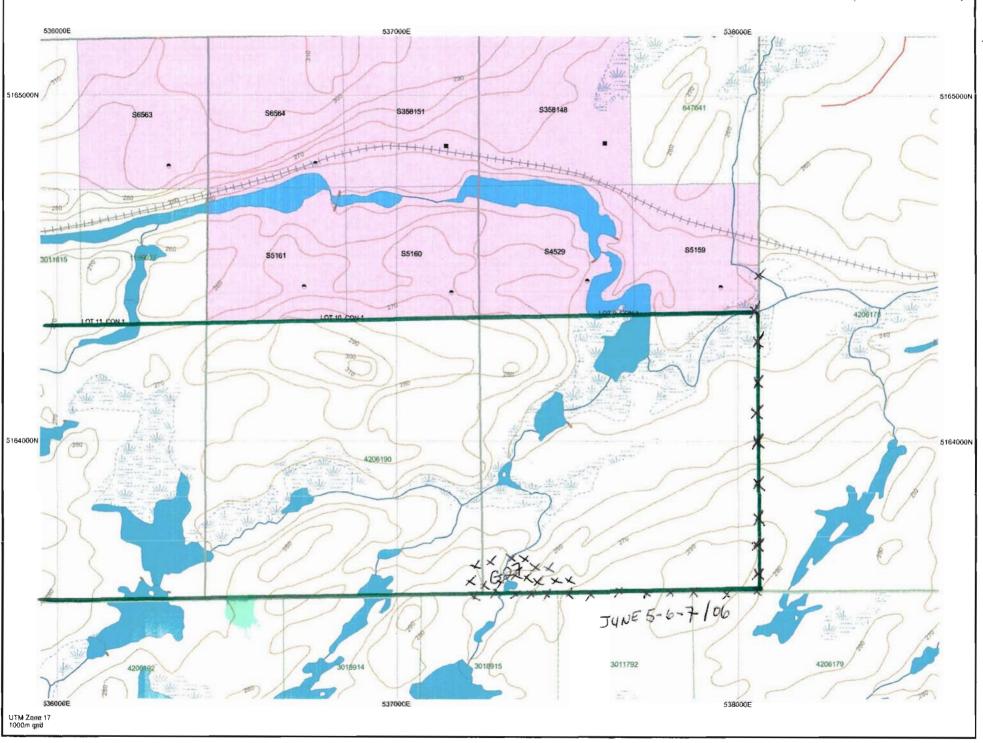




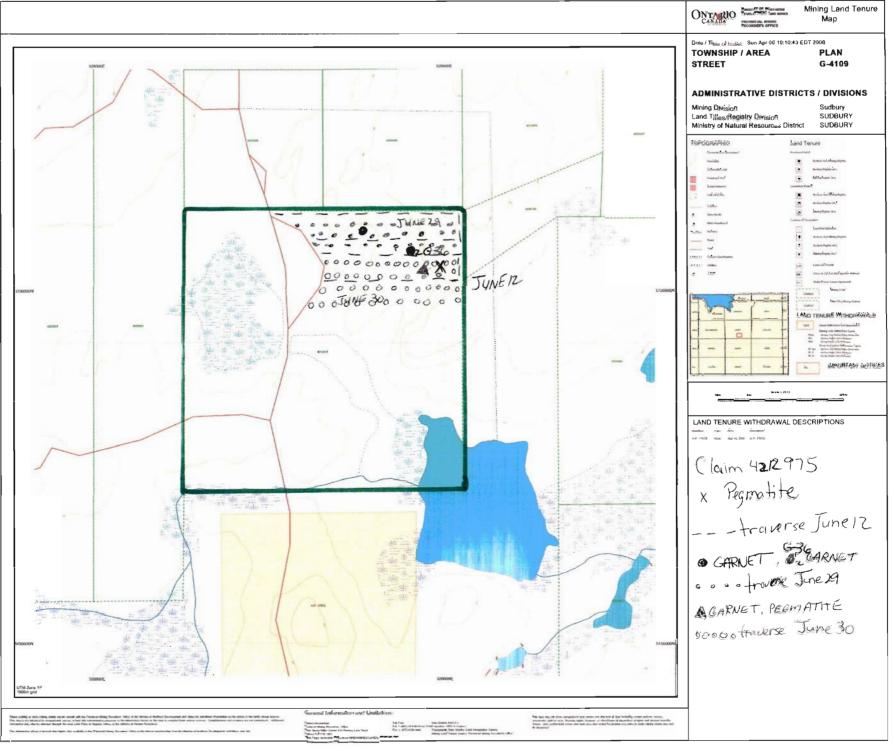
SKETCH 6 536000E 537000E 5165000N 5165000N S358148 S6564 \$6563 \$5159 \$4529 S5160 \$5161 MAY23/00 LOT 11, CON 1 MAY 28/06. 5164000N 5164000N TE 33 0 0 0 TO JUNEY MAY 22/06 3011792 4206179 5370)00E All boundaries Re-Cut UTM Zone 17 1000m grit



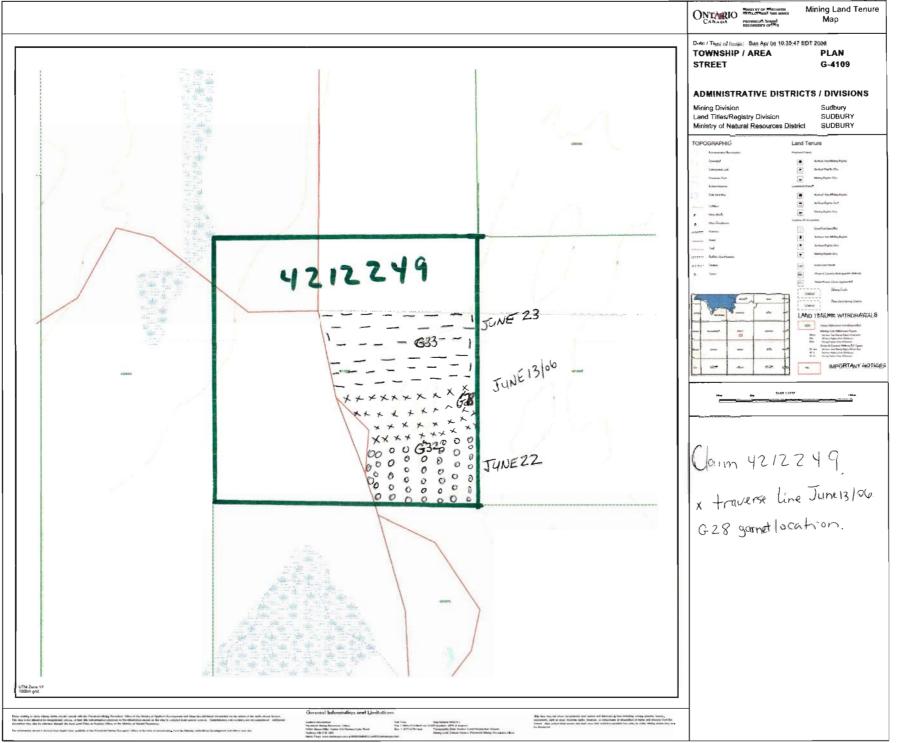


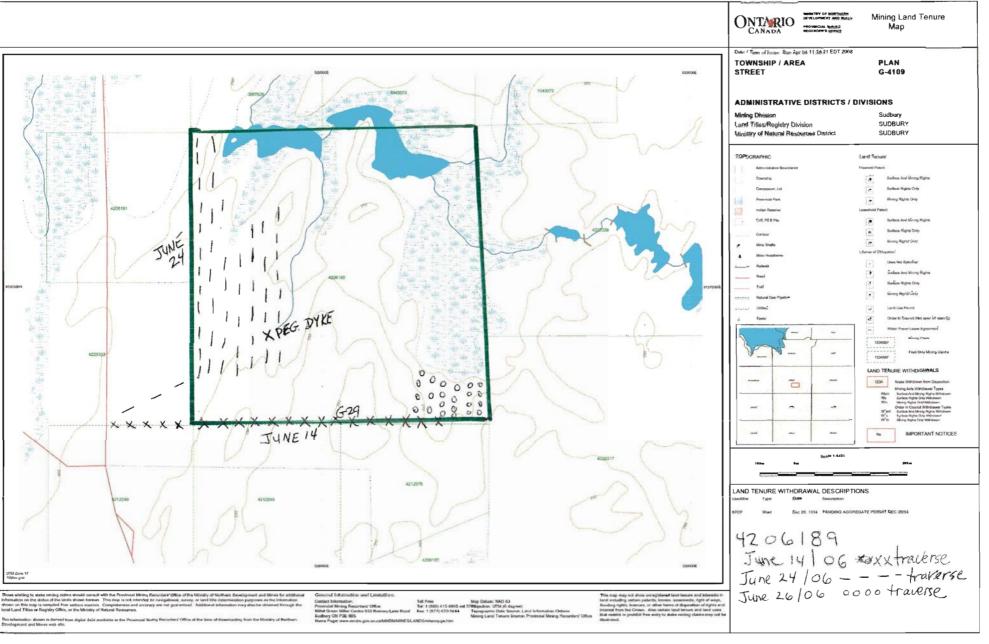


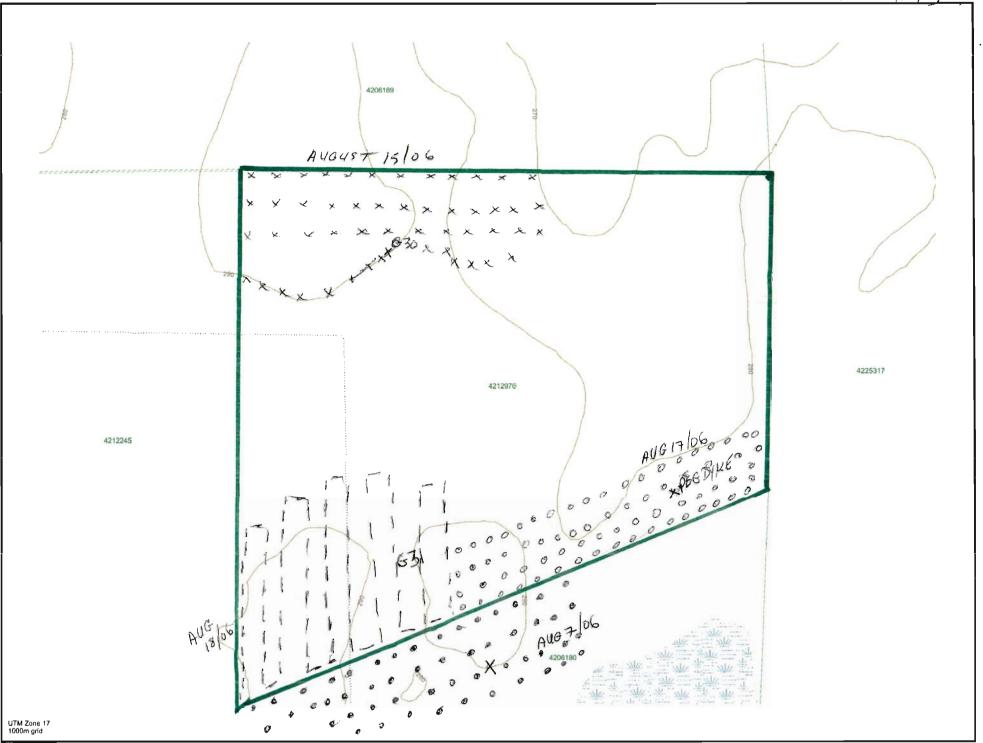
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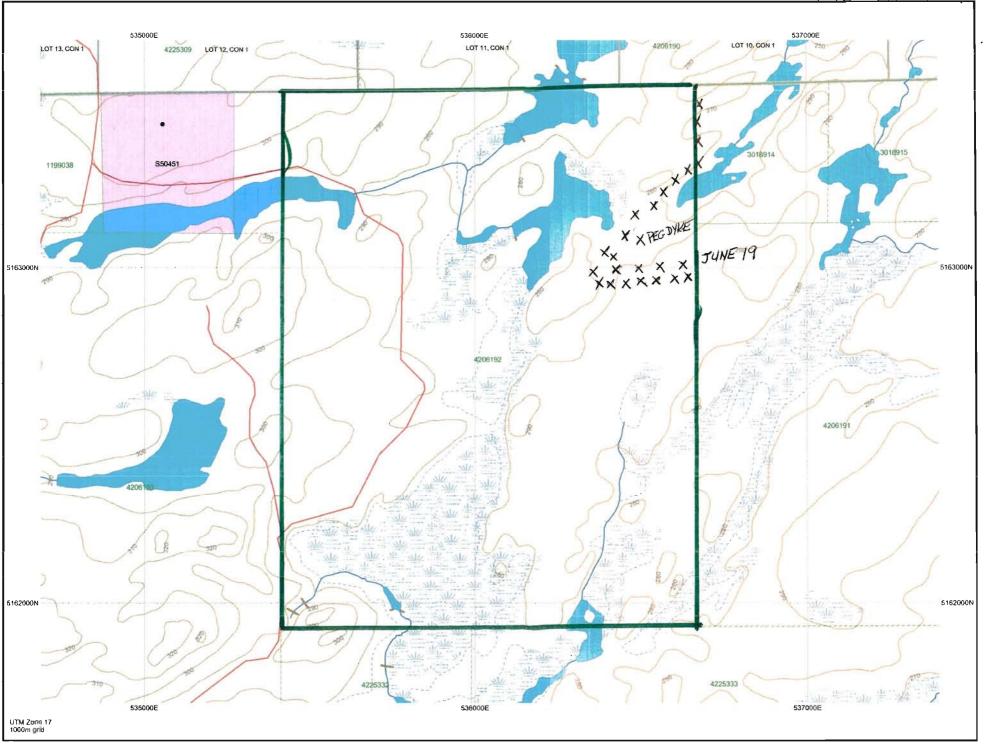


SKETCH 11.









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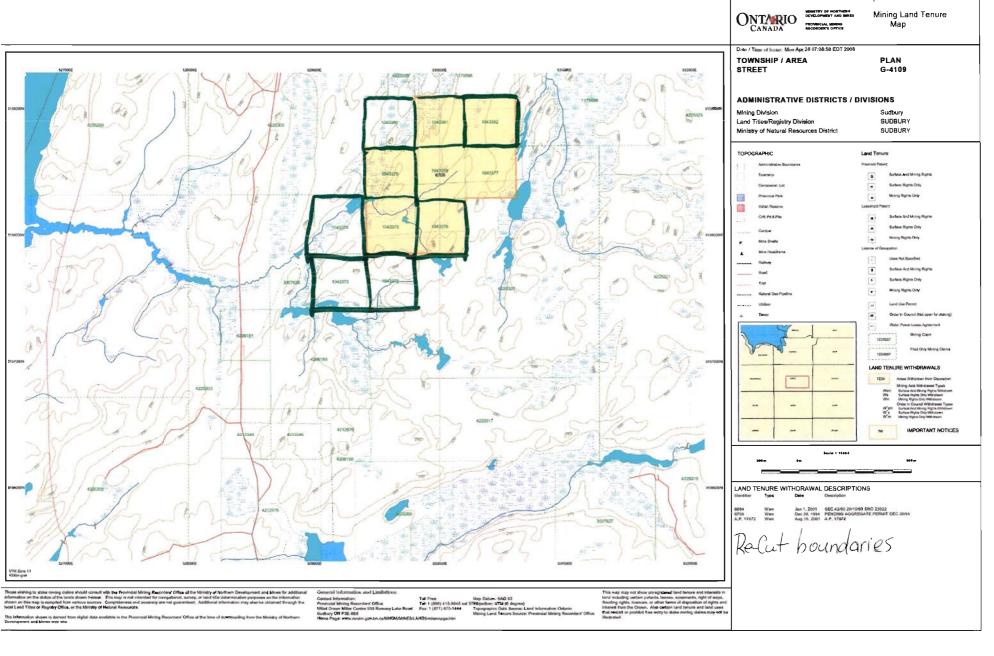
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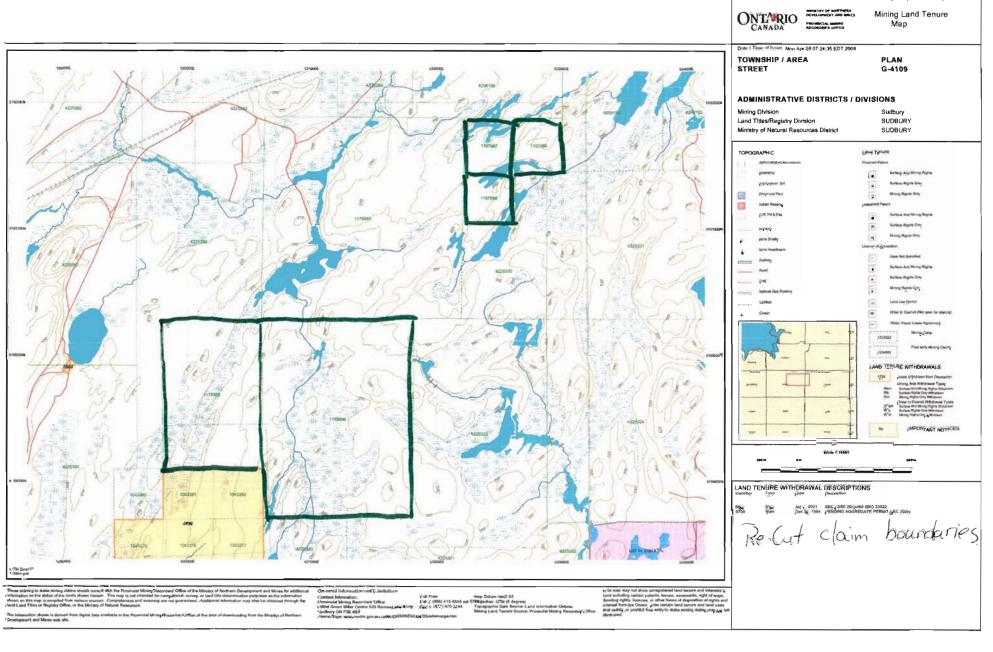
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Sketch 16



5 Ketch 17



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General Information and Limitation

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Contact Information and Landidoxin

Tel: 1605;145-9645 ext 378/bjschor: TEU (6 depre)

Provincial Mining Recorder Office

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